LIEBHERR

LR 1600/2 097949

HSLDB,HSL2DB,HSLDB2,HSL2DB2 ==> Wind 12.8m/s Incline 0.3°

Cuaderno de tablas de cargas

Edición: 24.01.2019

Liebherr-Werk Ehingen GmbH

Postfach 1361

89582 Ehingen/Donau Alemania

Teléfono: +49 (0)7391/502-0 Fax: +49 (0)7391/502-3399 E-mail: info.lwe@liebherr.com www.liebherr.com Texto bàsico: tlt_418100-04-10.pdf

Edición: 24.01.2019



LWE//418100-04-10/es

Prefacio

Fabricante

Liebherr-Werk Ehingen GmbH Apartado 1361 D-89582 Ehingen/Danubio +49 (0) 7391 502–0 +49 (0) 7391 502-3399 info.lwe@liebherr.com www.liebherr.com

Generalidades

Esta grúa se ha concebido con los últimos adelantos de la tecnología y está conforme a los reglamentos técnicos reconocidos relativos a la seguridad. Sin embargo, una utilización incorrecta podría implicar peligros mortales al usuario y/o a terceras personas o podría poner en peligro la grúa y/o otros valores materiales.

Se permite el uso de la grúa solamente:

- Si se encuentra en un estado técnico perfecto
- Para un uso conforme a lo previsto
- Por personal capacitado, que actúe consciente del peligro y de la seguridad
- Si no existen anomalías relevantes para la seguridad
- Si no se realizaron transformaciones en la grúa.

Las anomalías que pudieran afectar a la seguridad, deberán eliminarse inmediatamente.

Está prohibido toda transformación de la grúa excepto si tiene un acuerdo por escrito de la empresa Liebherr-Werk Ehingen GmbH.

Registrador de datos

Esta grúa está dotada con un registrador de datos. Entre otros, se encuentran los siguientes datos:

- Fecha y hora
- Estado de equipo prescrito de la grúa
- Carga real
- Capacidad de carga utilizada porcentual de la grúa
- Alcance (radio de trabajo)
- Ángulo de pluma principal, ángulo de punta
- Largo total de la pluma telescópica, largo de los diferentes tramos telescópicos
- Cada accionamiento del dispositivo de puenteo

Los datos registrados se pueden leer con el software correspondiente.

Indicaciones de seguridad y de aviso

Las indicaciones de seguridad y de aviso conciernen a todas las personas que trabajan con la grúa.

Toda persona implicada en la grúa deberá adoptar un comportamiento determinado con los términos utilizados en la documentación de la grúa de **PELIGRO**, **ADVERTENCIA**, **ATENCIÓN** y **AVISO**.

Seña- les de aviso	Palabra clave	Explicación
\triangle	PELIGRO	Significa una situación peligrosa, que podría tener como consecuencia la muerte o lesiones corporales graves, si no lo evita. ¹⁾
		Significa una situación peligrosa, que podría tener como consecuencia la muerte o lesiones corporales graves, si no lo evita.
		Significa una situación peligrosa, que podría tener como consecuencia la muerte o lesiones corporales ligeras o medianas, si no lo evita. 1)
	AVISO	Significa una situación peligrosa, que podría tener como consecuencia daños materiales, si no lo evita.

¹⁾ La consecuencia puede ser también daños materiales.

Otras indicaciones

La palabra **Nota** utilizada en la documentación de la grúa, da a toda persona que intervenga en la grúa, indicaciones útiles y consejos importantes.

Seña- les	Palabra clave	Explicación
1	Nota	Significa indicaciones útiles y consejos.

Documentación de la grúa

La documentación de la grúa contiene:

- Todos los documentos suministrados en papel o de forma digital
- Todos los programas y aplicaciones suministrados
- Todas las informaciones, actualizaciones y suplementos de la documentación de la grúa puestos a disposición con posterioridad

La documentación de la grúa:

- le coloca a usted en una posición segura para operar la grúa
- Le ayuda a agotar las posibilidades de aplicación de la grúa autorizadas
- Le ofrece indicaciones sobre cómo funcionan importantes componentes y sistemas



Nota

Terminología en la documentación de la grúa

En la documentación de la grúa se usan ciertos términos.

▶ Para evitar malentendidos, se ruega utilizar siempre el mismo término.

Traducciones de la versión Alemana de la documentación de la grúa: Esta documentación de la grúa se ha traducido con el mejor conocimiento y consciencia. Liebherr-Werk Ehingen GmbH no se responsabiliza de los errores de traducción. La versión correcta determinante es solo la documentación de la grúa en idioma alemán. Si en la lectura de esta documentación de la grúa, encuentra fallos o malentendidos, comuníquelo inmediatamente a la empresa Liebherr-Werk Ehingen GmbH.

ADVERTENCIA

¡Peligro de accidentes por el manejo incorrecto de la grúa!

El control incorrecto de la grúa puede causar accidentes.

Muerte, lesiones graves, daños materiales.

- ▶ Solo un personal técnico especializado autorizado y capacitado tiene permitido trabajar en la grúa.
- ▶ La documentación de la grúa pertenece a la grúa y debe estar siempre a disposición en la grúa.
- ➤ Se deberán observar la documentación de la grúa, los reglamentos y las prescripciones vigentes del lugar de aplicación (por ej. prevenciones contra accidentes).

Usar la documentación de la grúa:

- Permite familiarizarse con la grúa
- Evita fallos debidos a un manejo indebido

Seguir la documentación de la grúa:

- Aumenta la fiabilidad en el uso
- Aumenta la vida útil de la grúa
- Minimiza costos de reparación y paradas por averías

Mantenga siempre la documentación de la grúa al alcance, en la cabina del conductor o en la cabina del gruista.



ADVERTENCIA

¡Estado obsoleto de la documentación de la grúa!

Si no se cumplen y adjuntan la información, actualizaciones y complementos de la documentación de la grúa facilitados posteriormente, existe peligro de accidentes.

Muerte, lesiones graves, daños materiales.

- Respetar y añadir todas las informaciones, actualizaciones y suplementos de la documentación de la grúa puestos a disposición con posterioridad.
- ► Asegurarse de que todas las personas implicadas conocen y dominan siempre la última versión de la documentación de la grúa.



ADVERTENCIA

¡Fallar en comprender la documentación de la grúa!

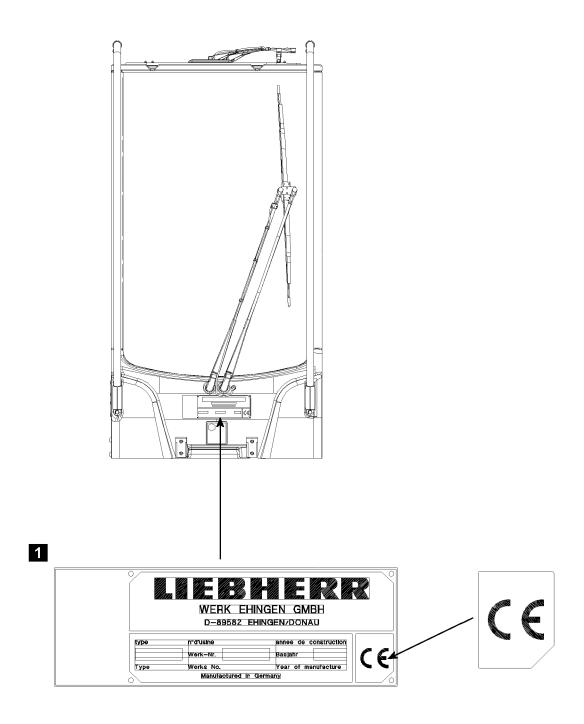
Si hay partes de la documentación de la grúa que no se han comprendido y, sin embargo, se realizan las operaciones en la grúa o con ella, existe peligro de accidentes.

Muerte, lesiones graves, daños materiales.

► Aclarar las preguntas con relación a la documentación de la grúa, antes de emprender el trabajo correspondiente, con el Servicio de Asistencia Técnica de Liebherr.

Este documento no puede ser reproducido, ni en su totalidad ni en parte, distribuido, o utilizado a efectos de competencia. Se reserva todo derecho de autor conforme a las leyes de propiedad.

Todas las prescripciones de prevención de accidentes, manuales de instrucciones para el uso, tablas de cargas, etc., se han editado de acuerdo al uso que se ha previsto para esta grúa.



2



Fig.110001

La marca CE es una identificación según los derechos de la UE:

- Las grúas con marca CE responden a las Directivas europeas vigentes en el momento de la comercialización, en particular la Directiva de máquinas 2006/42/CE y la Norma de productos EN 13000. Placa de características de la grúa con marca CE, véase figura 1.
- Las grúas que se utilicen fuera del ámbito de aplicación correspondiente de la directiva europea de máquinas no necesitan ninguna marca CE. Sobre placa de características de la grúa sin marca CE, véase figura 2.
- Está prohibido poner en servicio las grúas sin marca CE que no cumplen con las directrices europeas aplicables a productos específicos si para el país es obligatoria la marca CE, en especial dentro del mercado interior europeo.
- Está prohibido autorizar el funcionamiento de grúas con un grado de utilización causando el vuelco del 85 % o un dispositivo de derivación que no corresponda a la norma EN 13000 dentro de la Comunidad Europea o en los países en donde se autoriza solo una capacidad de utilización muy baja. Son válidos los respectivos reglamentos nacionales. Dichas grúas no tienen permitida la marca CE.

Declaración de conformidad UE

Inmediatamente después de la portada se incluye con la entrega de la máquina con marca CE, la declaración de conformidad UE de acuerdo a la Directiva 2006/42/CE. La declaración de conformidad UE es válida en la forma e idioma actuales en todos los países de la Unión Europea así como en países que reconozcan las directivas de la Unión Europea. Conserve la Declaración de conformidad UE con cuidado.



Nota

- ▶ Esta Declaración de conformidad UE solo tendrá validez si esta grúa móvil cumple las directivas y normas especificadas en esta Declaración de conformidad UE. Esto es válido especialmente para la programación y función del controlador de cargas de seguridad. La marca CE debe eliminarse si se realizan cambios en la grúa que no sean conformes a las directrices y normas indicadas. Entre ellos se encuentran en particular un grado de utilización causando el vuelco no autorizado en Europa (85 % tablas de cargas) y una ejecución modificada del dispositivo de derivación del controlador de cargas.
- ▶ Si se reimporta posteriormente esta grúa móvil modificada a un país que esté sujeto al ámbito de validez de la Directiva de máquinas CE, el importador será entonces responsable del control y confirmación por escrito de que el estado de la grúa móvil al introducirla en la UE se corresponde con las directivas y normas indicadas en esta declaración de conformidad.
- ▶ La documentación completa de la grúa debe adjuntarse íntegramente y en las lenguas oficiales de la comunidad del Estado miembro en el que se haya comercializado y/o puesto en funcionamiento la máquina.
- Para el control y confirmación se recomienda al importador dirigirse al fabricante de grúas o a una persona autorizada por este.
- Después de la confirmación por escrito del importador al fabricante de grúas móviles, se deberá proporcionar de nuevo a la grúa móvil una marca CE y la declaración de conformidad UE volverá a tener validez de nuevo. Para este grúa se aplican además las directivas y normas válidas durante la primera entrega.



Declaración de conformidad UE

Si se realizan modificaciones en la máquina que no hayan sido autorizadas por escrito por Liebherr-Werk Ehingen GmbH, esta declaración de conformidad UE pierde su validez. Observe también la indicación sobre la validez en el dorso.

Tipo de máquina: Grúa automotriz

Tipo: XXX

N.º de serie: XXX

Año de construcción: XXX

Potencia útil del motor diésel: XXX kW / XXX min⁻¹

 L_{WA} medida¹⁾: XXX dB L_{WA} garantizada¹⁾: XXX dB

Por medio del presente documento declaramos que la máquina mencionada anteriormente cumple en su estado de suministro todas las determinaciones pertinentes de las siguientes directivas UE:

- Directiva 2006/42/CE del Parlamento Europeo relativa a las máquinas
- Directiva 2005/88/CE del Parlamento Europeo por la que se modifica la directiva 2000/14/CE sobre emisiones de sonoras¹⁾
- Directiva 2014/53/UE del Parlamento Europeo relativa a la comercialización de equipos radioeléctricos

Normas armonizadas aplicadas:

EN 13000:2010 + A1:2014 Grúas - Grúas automotrices

Procedimiento de valoración aplicado según el anexo VIII de la directiva 2000/14/CE Nombre del ente mencionado:

TÜV Rheinland LGA Products GmbH, D-90014 Nürnberg, n.º de identificación: 0197

Apoderado para la compilación de los documentos técnicos:

Jefe de departamento de diseño Dr.-Hans-Liebherr-Straße 1 89584 Ehingen/Donau

1) en el servicio de grúa

Ehingen

(Jefe de departamento de diseño)

Liebherr-Werk Ehingen GmbH Dr.-Hans-Liebherr-Straße 1 89584 Ehingen Germany 04.07.2017_es



Fig.147811-es: Reimpresión de la Declaración de conformidad UE perteneciente a la grúa

Uso conforme a lo previsto

El uso de la grúa conforme a lo previsto comprende exclusivamente la elevación y el descenso en posición vertical de cargas no fijas cuyo peso y centro de gravedad se conocen.

Para ello, un gancho o una pasteca autorizado por Liebherr deberá estar con el cable de elevación colocado y deberá accionarse solo en estados de equipo autorizados.

LWE//418100-04-10/es

El desplazamiento de la grúa con o sin cargas enganchadas está autorizado solo si existen tablas de desplazamiento o de cargas respectivamente autorizadas. Los estados de equipo y las medidas de seguridad previstas deberán observarse de acuerdo a la documentación de la grúa.

Cualquier otra utilización o una explotación fuera de esto se considerará como un uso **no** conforme a lo previsto.

Sobre el uso conforme a lo previsto se incluyen igualmente el cumplimiento de las medidas de seguridad, las condiciones, requisitos previos, estados de equipo y procedimientos de trabajo estipulados en la documentación de la grúa (por ejemplo, manual de instrucciones, tabla de cargas, tabla de levantamiento y descenso, planificador de utilización).

El fabricante no se responsabiliza por **ningún** daño que se haya producido por infringir el uso conforme a lo previsto o por hacer un uso no autorizado de la grúa. El propietario, el explotador y el usuario de la grúa son los únicos responsables de los riesgos que puedan resultar de ello.

Uso no conforme a lo previsto

Un uso no conforme a lo previsto es:

- Operar fuera del campo de los estados de equipo autorizados por las tablas de cargas
- Operar fuera del campo del alcance y campos de giro autorizados por las tablas de cargas
- Seleccionar las tablas de cargas que no corresponden al estado de equipo actual
- Mediante código o entrada manual, seleccionar un estado de equipo, que no se corresponda con el estado de equipo real
- Trabajar con dispositivos de seguridad puenteados o desactivados, por ejemplo limitador de cargas puenteado o con limitador de elevación puenteado
- Aumentar el alcance de la carga levantada después de desconectar el LMB, por ejemplo tirando transversalmente la carga
- Uso de la indicación de la presión de estabilización como información para sobrecargar la grúa hasta el límite de inclinación
- Utilización de elementos de equipo no autorizados para la grúa
- El servicio de la grúa en un zona con peligro de explosión
- Uso para eventos deportivos o recreativos, especialmente su uso para el «Salto de elástico» (Bungee jump) y/o «Dinner in the sky»
- Marcha por carreteras en un estado de marcha no autorizado (cargas de ejes, dimensión)
- Desplazamiento de la grúa con equipo en un estado de marcha no autorizado
- Presionar, mover o elevar cargas con la regulación de nivel, vigas correderas de apoyo o cilindros de apoyo
- Presionar, mover o elevar cargas accionando el mecanismo giratorio, el sistema de basculamiento o sistema telescópico
- Arrancar con la grúa materias atascadas
- Utilizar largo tiempo la grúa para trabajos de transbordos
- Soltar repentinamente la presión de la grúa (servicio con cuchara valva o con tolva de material a granel)
- Utilizar la grúa cuando la carga suspendida en la grúa va a cambiar su peso, por ejemplo si se llena en el contenedor que está enganchado en el gancho de carga, excepto:
 - · La función del limitador de cargas se controló antes con una carga conocida
 - · La cabina del gruista está ocupada
 - · La grúa está en capacidad de funcionamiento
 - El tamaño del contenedor se ha seleccionado de tal forma que se descarta que la grúa se sobrecargue con una carga plena conforme a los valores válidos de la tabla de cargas utilizada

La grúa **no** debe ser utilizada para:

- Amarrar una carga atascada cuyo peso y centro de gravedad se desconoce y si se debe liberar solo por ejemplo por corte con soplete
- Transportar personas excepto en la cabina del conductor
- Transportar personas excepto en la cabina de la grúa
- Transportar personas en la cabina del gruista durante la marcha
- Transportar personas con el elemento elevador de carga (eslingas) y encima de la carga
- Transportar personas con las cestas de trabajo, si no lo incluye las legislaciones nacionales de la Autoridad responsable de la prevención en el trabajo



- Transportar cargas y objetos en el chasis inferior de la grúa
- Transportar cargas y objetos en la superestructura
- Transportar cargas y objetos en el carro de contrapeso
- Transportar cargas y objetos en el contrapeso flotante
- Transportar cargas y objetos en los elementos en las celosías de la pluma y/o el brazo de la grúa
- El servicio con dos ganchos sin el equipo adicional
- El servicio de transbordos durante largo tiempo
- El servicio de la grúa sobre cuerpo flotante si las condiciones en el capítulo "Grúa sobre soporte flotante" no se cumplen y no existe una autorización por escrito por parte de Liebherr Werk Ehingen GmbH

Toda persona implicada en la utilización, manejo, montaje y mantenimiento de la grúa deberá leer y aplicar la documentación de la grúa.

Temperatura ambiental

La grúa está diseñada para una temperatura ambiente de -20 °C a +50 °C.

A una temperatura ambiental por debajo de -20 °C , la grúa debe modificarse con el "equipamiento adicional para trabajar a temperaturas bajas".



ADVERTENCIA

¡Trabajar a temperaturas bajas sin el equipamiento adicional correspondiente! Los componentes de la grúa pueden dañarse y fallar. La carga puede desprenderse. Muerte, lesiones graves, daños materiales.

Si la grúa se emplea a una temperatura ambiental por debajo de -20 °C:

- ► Asegurarse de que la grúa está equipada con el "equipamiento adicional para trabajar a temperaturas bajas" correspondiente. Observar y cumplir el capítulo 2.08.
- Utilizar combustibles adecuados para la temperatura ambiente correspondiente. Observar y cumplir el capítulo 7.07.

Dispositivos de seguridad

Se deberá poner especial cuidado a los dispositivos de seguridad integrados en la grúa. Los dispositivos de seguridad deben controlarse siempre si su funcionamiento es correcto. En caso que los dispositivos de seguridad no funcionen o funcionen incorrectamente, no deberá ponerse en funcionamiento la grúa.



Nota

Su divisa deberá ser siempre:

► ¡Prioridad a la seguridad!

La grúa está construida según las prescripciones vigentes para el servicio de la grúa y servicio de traslación y comprobada por la autoridad competente.

Componentes del equipo y piezas de repuestos



ADVERTENCIA

¡Peligro de muerte debido a piezas de equipamiento no originales!

Si se utiliza la grúa con piezas de equipamiento **no** originales, la grúa puede fallar.

Muerte, lesiones graves, daños materiales.

- ▶ ¡Hacer funcionar la grúa solo con piezas de equipamiento originales!
- ▶ ¡Está prohibido poner en servicio la grúa con piezas del equipamiento que no forman parte de la grúa!
- ▶ ¡Si existen dudas sobre el origen de piezas del equipamiento, contactar con el Servicio de Asistencia Técnica de Liebherr!



ADVERTENCIA

¡Se pierden la autorización y la garantía del fabricante!

Si se modifican, manipulan o cambian sin autorización las piezas originales montadas (por ej. desmontaje de piezas, montaje de piezas no originales), entonces pierde validez el permiso de circulación de la grúa así como la garantía del fabricante.

- ▶ No modificar las piezas originales montadas.
- ▶ No desmontar las piezas originales.
- ▶ Utilizar solo repuestos originales de Liebherr.
- ▶ Si existen dudas sobre el origen de piezas de recambio, contactar con el Servicio de Asistencia Técnica de Liebherr.

Para obtener piezas del equipamiento y de recambio, tener a mano e indicar siempre el número de grúa.

Definición de las direcciones para la grúa automotriz

Traslación hacia adelante: significa ir con la cabina del conductor por delante.

Traslación hacia atrás: significa ir con las luces traseras del chasis inferior de la grúa por delante.

Delante, **atrás**, **a la derecha**, **a la izquierda** se refieren, en la **cabina del conductor**, al chasis inferior de la grúa. La cabina del conductor se encuentra siempre delante.

Delante, **atrás**, **a la derecha**, **a la izquierda** se refieren, en la **cabina del gruista**, a la superestructura. Delante significa siempre en dirección de la pluma descendida.

0° de ángulo de giro de la superestructura: La pluma apunta en sentido longitudinal hacia atrás por encima de la parte trasera del vehículo.

180° de ángulo de giro de la superestructura: La pluma apunta en sentido longitudinal hacia adelante por encima de la cabina.

Definición de las direcciones para la grúa sobre orugas

Moverse marcha adelante: moverse hacia adelante en relación con la vista del gruista sentado en la cabina del gruista. Plataforma giratoria en posición de 0° ó 180°.

Moverse marcha atrás: moverse hacia atrás en relación con la vista del gruista sentado en la cabina del gruista. Plataforma giratoria en posición de 0° ó 180°.

Delante, **atrás**, a la derecha, a la izquierda se refieren siempre con el tren de rodaje sobre orugas desde la situación de los dispositivos tensores de la cadena. Los dispositivos tensores de la cadena están en el tren de rodaje sobre orugas siempre delante.

Delante, **atrás**, **a la derecha**, **a la izquierda** se refieren a la dirección de la mirada del gruista que está sentado en la **cabina del gruista**. Delante significa siempre en dirección de la pluma descendida.

Equipos opcionales y funciones

Los equipamientos y las funciones marcadas con * están disponibles opcionalmente y **no** como parte de la grúa estándar (a petición del cliente).

Tabla de conversión

	Unidad de partida	Factor de multiplicación	Unidad de destino
Largo	mm	0,03937	pulgadas
	pulgadas	25,4000	mm
	mm	0,00328	pies
	pies	304,8	mm
	cm	0,39370	pulgadas
	pulgadas	2,5400	cm
	cm	0,0328	pies
	pies	30,48	cm
	m	39,37	pulgadas
	pulgadas	0,0254	m
	m	3,281	pies
	pies	0,3048	m
	km	0,62137	milla
	milla	1,6093	km
Superficie	cm ²	0,155	pulgadas ²
	pulgadas ²	6,4516	cm ²
	m²	10,764	pies²
	pies ²	0,0929	m²
Volumen	cm ³	0,06102	pulgadas ³
	pulgadas ³	16,387	cm ³
	m³	35,3147	pies ³
	pies ³	0,0283	m³
	I	0,001	m³
	m³	1000	I
	I	61,024	pulgadas ³
	pulgadas ³	0,016387	I
	I	0,0353	pies ³
	pies ³	28,32	I
	I	0,264178	galones líquidos (EE. UU.)
	galones líquidos (EE. UU.)	3,7853265	I

	Unidad de partida	Factor de multiplicación	Unidad de destino
Masa (peso)	kg	2,20462	libras
	libras	0,45359	kg
	t	2204.62	libras
	libras	0,0004536	t
	t	1,1023	toneladas cortas (EE. UU.)
	toneladas cortas (EE. UU.)	0,90718	t
	t	0,45359	kip
	kip	2,20462	t
Masa/Longitud	kg/m	0,055998	libras/pulgada
	libras/pulgada	17,857781	kg/m
	kg/m	0,67197	libras/pie
	libras/pie	1,48816	kg/m
Fuerza	N	0,2248	libras de fuerza
	libras de fuerza	4,4483986	N
	kN	224,809	libras de fuerza
	libras de fuerza	0,0044483986	kN
Par de giro	Nm	8,85075	libras de fuerza·pulga- das
	libras de fuerza·pulga- das	0,112984	Nm
	Nm	0,73756	libras de fuerza·pies
	libras de fuerza·pies	1,3559	Nm
Potencia	CV (CV DIN)	0,7355	kW
	kW	1,3596	CV (CV DIN)
Velocidad	m/s	39,37	pulgadas/s
	pulgadas/s	0,0254	m/s
	m/s	3,28084	pies/s
	pies/s	0,3048	m/s
	km/h	0,62137	millas por hora (mi/h)
	millas por hora (mi/h)	1,60935	km/h
	m/s	2,2369	millas por hora (mi/h)
	millas por hora (mi/h)	0,44704	m/s

	Unidad de partida	Factor de multiplicación	Unidad de destino
Presión	kPa (kN/m²)	0,01	bar
	bar	100	kPa (kN/m²)
	bar	14,5038	psi
	psi	0,06895	bar
	kPa (kN/m²)	0,145038	psi
	psi	6,894759	kPa (kN/m²)
	N/cm²	1,450377	psi
	psi	0,6894759	N/cm²
	N/m²	0,000145038	psi
	psi	6894,759	N/m²
	t/m²	204,81	libras/pie ²
	libras/pie²	0,0048828	t/m²
Superficie con relación a	m²/t	0,004882	pies²/libras
la carga	pies²/libra	204,81	m²/t
Temperatura	°C	([°C] · 1.8) + 32	°F
	°F	([°F] - 32) / 1,8	°C

Tabla de conversión

Contenido

40 Cuaderno de tablas de cargas

40.02 Ir	nformaciones básicas	1
1	Informaciones básicas	3
40.05 S	Servicio de grúa	1
1		3
2		
3		3
4		_
40.10 U	Itilización de la grúa	1
1	Utilización de la grúa (colectivo de carga)	3
40.15 C	Controlador de cargas LICCON e interruptores de fin de carrera	1
1		3
40.25 C	Cabrestantes	1
1	Tracción de cable	3
-		
	Colocaciones del cable de elevación	
$\frac{1}{2}$	(-3
$\frac{2}{2}$		
3	Factor de seguridad de cable 5 según la norma ASME B30.5	
40.35 N	lotones de gancho y ganchos de carga	1
1	Peso mínimo requerido de la pasteca	3
$\overline{2}$	·	
3	Procedimiento con el cable flojo	6
- 40 35 1	0 Pastecas para servicio simple	1
40.33.1		
,	de elevación: 1050 m)	
2	Servicio de grúa con 1 cable de elevación F= 180 kN y d= 28 mm (tipo1, longitud del cable de elevación: 1100 m)	6
40.35.3	0 Pastecas para servicio paralelo	1
1		3
2	Servicio de grúa con 2 cables de elevación F= 180 kN y d= 28 mm (tipo1, longitud del cable de elevación: 1100 m)	4
- 40.35.4	0 Distancia entre el gancho y el juego de rodillos en el cabezal de la pluma	1
1		3
- 40 40 B	Ramales mínimos del cable de elevación y peso mínimo de la pasteca	
1		
- 40 45 D	· · · · · · · · · · · · · · · · · · ·	
1	Peterminación de la colocación del cable de elevación y de la pasteca Procedimiento para calcular la colocación del cable de elevación requerida y motón de gancho requerido	3
_	Garrent vedecine	

40 Cuaderno de tablas de cargas

40.02 Informaciones básicas

1 Informaciones básicas

3

LWE//418100-04-10/es

1 Informaciones básicas



Nota

- ▶ Los valores de carga en las tablas de cargas se indican en toneladas (t) o libras (lb).
- ► El alcance es la distancia horizontal del motón de gancho desde el eje de giro del chasis superior, medida en el suelo. Esta indicación es válida bajo carga nominal, es decir, incluyendo la flexión elástica de la pluma.
- ▶ En las cargas señaladas se ha contemplado el peso del cable de elevación en el reenvío según la tabla de cargas. Si se ajusta más alto, se reduce la carga en el peso de los ramales adicionales del cable de elevación. Los pesos en los elementos elevadores y de fijación se restan de la carga indicada.
- ► En el caso de servicio de dos ganchos no se ha contemplado el cable de elevación en la segunda posición de carga. El peso de todos los ramales del cable de elevación en la segunda posición de carga debe restarse de la carga.
- ► En el caso de cifras, las posiciones de los decimales se separan a través de un punto "." . Las posiciones de los decimales están a la derecha del punto ".".



ADVERTENCIA

¡Mal uso de la grúa!

Peligro de vuelco de la grúa, fallo de las estructuras de la grúa.

Muerte, lesiones graves, daños materiales.

- ► Están prohibidos los trabajos fuera del estado permitido del equipo, de las cargas y áreas de giro permitidas según la tabla de cargas.
- ▶ Mover el sistema de la pluma también sin carga solo dentro de las zonas permitidas según la tablas de cargas o tablas de levantamiento y descenso.
- ▶ Mover el sistema de la pluma al encender el "servicio de montaje" solo dentro de las zonas permitidas según las tablas de cargas o tablas de levantamiento y descenso.
- ► Las limitaciones e indicaciones se señalan parcialmente mediante marcas (signos, cifras o letras) en los símbolos de modos de servicio. Éstas se tienen que cumplir.



Nota

En el caso de modos de servicio con carro de contrapeso o contrapeso flotante:

▶ Determinar el peso óptimo de contrapeso Derrick con el planificador de aplicación LICCON.

¡Página vacía!

40.05 Servicio de grúa

1	Generalidades	3
2	Servicio de la grúa "Grúa apoyada"	3
3	Servicio de grúa "Grúa sobre viga de orugas"	3
4	Desplazar la grúa con carga	4

109641-02

LWE//418100-04-10/es

1 Generalidades



ADVERTENCIA

¡Mal uso de la grúa!

Peligro de vuelco de la grúa, fallo de las estructuras de la grúa.

Muerte o lesiones graves, daños materiales graves.

- ▶ No sobrecargar la grúa.
- ► Cumplir el estado del equipamiento de la tabla de cargas correspondiente.
- Cumplir las longitudes de la pluma, radio de la pluma y campos de giro de las tablas de cargas correspondientes.
- Controlar la función de todos los dispositivos de aviso y seguridad.
- ▶ Comprobar los datos de peso de la carga elevada.
- ► Asegurar que la carga no se mueva pendularmente.
- La tracción universal de la carga está prohibida.
- ▶ No usar la grúa para desprenderse de la carga.
- ► Cumplir con la distancia a las fosas, sótanos y taludes, véase el manual de instrucciones de la grúa capítulo 2.04.
- ▶ Asegurarse de que el subsuelo asegura el peso máximo de servicio de la grúa e inclusive el peso de carga.
- ► Cumplir la distancia de seguridad con los cables eléctricos aéreos presentes de tensión, véase el manual de instrucciones de la grúa capítulo 2.04.

2 Servicio de la grúa "Grúa apoyada"



Nota

➤ Solo grúa sobre orugas LR 1750 y LR 1750/2 y grúa sobre orugas con tren de rodaje de base de apoyo reducida (LR 1400/2-W y LR 1600/2-W).



ADVERTENCIA

¡Mal uso de la grúa!

Peligro que la grúa se vuelque.

Muerte o lesiones graves, daños materiales graves.

- Estabilizar la grúa antes de girar el chasis superior de la grúa.
- ▶ Desplegar los largueros de apoyo en la base especificada de apoyo de la tabla de cargas correspondientes y/o extraer.
- ▶ Montar las placas de apoyo y/o las placas de base en los cilindros de apoyo, véase el manual de instrucciones de la grúa en el capítulo 3.10.
- ► Mantener la inclinación máxima autorizada de la grúa, véase cuaderno de tablas de cargas del capítulo 40.65.40.
- ▶ Asegurarse de que la viga de orugas no tenga ningún contacto con el suelo.
- ▶ Asegurarse que la grúa esté nivelada horizontalmente durante el servicio de la grúa.

3 Servicio de grúa "Grúa sobre viga de orugas"



ADVERTENCIA

¡Mal uso de la grúa!

Peligro que la grúa se vuelque.

Muerte o lesiones graves, daños materiales graves.

- ► Asegurarse que el suelo sea plano y sin inclinaciones.
- ▶ Mantener la inclinación máxima autorizada de la grúa, véase cuaderno de tablas de cargas del capítulo 40.65.40.

4 Desplazar la grúa con carga

Véase el capítulo 4.10 del manual de instrucciones de la grúa.

40.10 Utilización de la grúa

1 Utilización de la grúa (colectivo de carga)

3

LWE//418100-04-10/es

1 Utilización de la grúa (colectivo de carga)

Las grúas automotrices y las grúas sobre orugas Liebherr se han construido para el servicio de montaje y pueden efectuar, de acuerdo con la clasificación en la clase A1 según la norma ISO 4301-1, sólo una cantidad limitada de ciclos de trabajo (N=63000) con clasificación en la categoría de colectivo de carga Q1 = ligero (kp=0,125). Si las grúas se utilizan con el servicio de imán, con cuchara almeja o servicio de transbordo (colectivo de carga = "medio" o "superior"), se deben observar diferentes puntos. Véase el capítulo 8.01 "Control periódico de las grúas" en el manual de instrucciones para el uso de la grúa.



Nota

Si la grúa está sometida a un colectivo de carga de promedio alto, por ejemplo, operando en el servicio de imán, con cuchara almeja o servicio de transbordo:

▶ Realizar intervalos de control en intervalos cortos.

AVISO

¡Desgaste prematuro y fisuras en los componentes portantes!

¡Si la grúa se utiliza con el servicio de imán, con cuchara almeja o servicio de transbordo, entonces se tiene que contar con un desgaste antes de tiempo de las piezas del mecanismo de accionamiento y/o con fisuras en las piezas de acero principales!

Reducir la capacidades de carga global en un 50 porciento frente a los datos especificados en la tabla de cargas correspondiente.

AVISO

¡Alto desgaste del cable y daños en el cable!

¡Para mantener el más mínimo desgaste de los cables de elevación con el servicio de imán, con cuchara almeja o servicio de transbordo, se recomienda utilizar un largo de cable especial! Si no se utiliza una largura de cable especial, se pueden enroscar las capas de cable que no se utilizan. ¡En caso de fuertes tracciones de cable, el cable puede tirarse en las capas de cable que no se utilizan y causar daños de cable!

► Con el servicio de imán, cuchara almeja o servicio de transbordo, utilizar un largo de cable especial, en el que en la posición más inferior del motón de gancho se desenrolle por completo a excepción de unas 3-5 vueltas de cable.

¡Página vacía!

40.15 Controlador de cargas LICCON e interruptores de fin de carrera

1 Controlador de cargas LICCON

3

LWE//418100-04-10/es

1 Controlador de cargas LICCON



ADVERTENCIA

¡Error de operación y/o dispositivos de advertencia y de seguridad defectuosos! Peligro de vuelco de la grúa, fallo de las estructuras de la grúa.

Muerte o lesiones graves, altos daños materiales.

- ▶ Asegurarse que los dispositivos de aviso y seguridad funcionen.
- ▶ Comprobar la funcionalidad del controlador de cargas LICCON antes de cada puesta en marcha.
- Ajustar el controlador de cargas LICCON al estado del equipo actual antes de cada puesta en marcha.
- ▶ No utilizar el controlador de cargas LICCON como medio normal para el servicio del dispositivo de desconexión.



Nota

▶ El controlador de cargas LICCON desconecta el movimiento de basculamiento y de elevación de la pluma al sobrepasar el momento de carga admisible del grúa. Es posible descargar efectuando un movimiento opuesto.

Sistemas de seguridad a controlar antes de cada operación de la grúa:

- El controlador de cargas LICCON tiene que ajustarse al estado actual del equipo de la grúa
- El controlador de cargas LICCON tiene que funcionar
- La funcionabilidad de todos los interruptores de fin de carrera tiene que ser comprobada
- El interruptor de fin de carrera con leva/transmisor de giro del cabrestante tienen que estar correctamente ajustados
- La funcionabilidad de todos los equipos de medición (por ej. transmisor de longitud, transmisor del ángulo, transmisor de presión, anemómetro) tiene que ser comprobada

¡Página vacía!

40.25 Cabrestantes 109911-02

40.25 Cabrestantes

1 Tracción de cable 3

109911-02 40.25 Cabrestantes

LWE//418100-04-10/es



Nota

▶ Cada cabrestante está diseñado para una tracción máxima de cable. En la tabla siguiente se describen las tracciones máximas de cable. Estas tracciones de cable no deberán sobrepasarse. Respectivamente se deberá seleccionar de la "tabla Reenvío del cable de elevación" la cantidad mínima de ramales del cable de elevación (reenvío) de acuerdo al peso de la carga por levantarse, véase cuaderno de tablas de cargas en el cap. 40.90.

En el montaje de equipamientos adicionales:

▶ Controlar la guía del cable en los cabrestantes para evitar cables que se quedan flojos.

Tabla	Cable de elevación		Utilización	
Reenvío del cable de elevación	Diámetro de cable	Tracción máxima		
	28 mm	180 kN (18.1 t)	Cabrestante 1	
Tipo1			Cabrestante 2	
			Cabrestante 6	
			Cabrestante 6C	
Tipo2	25 mm 125 kN (12.6 t)		Cabrestante 6	
Tipo3	28 mm 160 kN (16.1 t)		Cabrestante 6	

Válido para las grúas telescópicas:

 Al retraer se tiene que evitar a través del movimiento de la grúa Elevar mecanismo de elevación que la pasteca toque el suelo y, por consiguiente, provoque que el cable quede flojo. La velocidad del movimiento del cable de elevación debe ajustarse con la velocidad del movimiento telescópico. ¡Página vacía!

40.30 Colocaciones del cable de elevación

1	Tabla Reenvío del cable de elevación (EST)	3
2	Reenvío del cable de elevación	2
3	Factor de seguridad de cable 5 según la norma ASME B30.5	

Fig.152630: Tabla Reenvío del cable de elevación, servicio simple

LWE//418100-04-10/es

1 Tabla Reenvío del cable de elevación (EST)

En la tabla Reenvío del cable de elevación (EST) se indica la carga máxima permitida en función del número de ramales de cable de elevación, véase el cuaderno de tablas de cargas, capítulo 40.90.

Las cargas se derivan del tiro por ramal máximo y se calculan según dos normas:

- según la norma EN 13000 con factor de seguridad de cable 4,5
- según la norma ASME B30.5 con factor de seguridad de cable 5

En la tabla Reenvío del cable de elevación (EST) se enumeran las cargas máximas permitidas calculadas según EN 13000. Las cargas máximas permitidas calculadas según ASME B30.5 se enumeran en la sección "Factor de seguridad de cable 5 según la norma ASME B30.5".

Los datos de la *tabla Reenvío del cable de elevación (EST)* se indican a modo de ejemplo y no tienen que coincidir con los datos de la grúa existentes.

- 1 Símbolo Reenvío del cable de elevación
- 2 Símbolo Capacidad de carga
- 3 Tipo de cable de elevación y diámetro de cable
 - este dato aparece solo en caso de varios cables de elevación diferentes
- 4 Número de ramales del cable de elevación
- 5 Capacidad máxima de carga permitida en toneladas (t) o libras (lb)
 - en función del número de ramales de cable de elevación
- 6 Especificaciones de página

1.1 Servicio de grúa en servicio simple

En el caso de servicio de grúa en servicio simple solo se utiliza 1 cabrestante de cable de elevación. El reenvío necesario puede consultarse en la *tabla Reenvío del cable de elevación (EST)*.

Ejemplo para determinar el reenvío:

Capacidad de carga = 280 t

El reenvío necesario con 1 cabrestante de cable de elevación es, según la *Tabla Reenvío del cable de elevación*:

- 18 ramales de cable (287.0 t)

1.2 Servicio de grúa en servicio paralelo

En el caso de servicio de grúa en servicio paralelo se utilizan 2 cabrestante de cable de elevación. El reenvío necesario se determina en 3 pasos.

- **Paso 1:** Dividir la carga por 2, ya que la carga se absorbe en las mismas partes del cabestrante de cable de elevación 1 y 2.
- Paso 2: Determinar el reenvío necesario para 1 cabestrante de cable de elevación.
- Paso 3: Aplicar el reenvío definido en ambos cabestrantes de cable de elevación.

Ejemplo para determinar el reenvío:

Capacidad de carga = 280 t

- Paso 1: 280 t / 2 cabrestantes de cable de elevación = 140 t
- **Paso 2:** El reenvío necesario con 1 cabrestante de cable de elevación es, según la *Tabla Reenvío del cable de elevación*:
- 9 ramales de cable (153.2 t)
- Paso 3: El reenvío necesario con 2 cabrestantes de cable de elevación en el servicio paralelo es con ello de:
- 2 x 9 ramales de cable = 18 ramales de cable (2 x 153.2 t = 306.4 t)

2 Reenvío del cable de elevación

En lo referente al reenvío del cable de elevación, tener en cuenta y cumplir los siguientes puntos:

- Reenviar el cable de elevación en función del tiro por ramal máximo y del peso de la carga de elevación entre el cabezal de la pluma y la pasteca.
- Antes del reenvío, controlar si es necesaria el reenvío mínimo del cable de elevación y un peso mínimo de pasteca, véase capítulo 40.40 del cuaderno de tablas de cargas.
- Al reenviar el cable varias veces se reduce la carga máxima posible debido al frotamiento de poleas y a la flexión del cable.
- Cumplir la norma nacional a la hora de elegir la carga máxima permitida.
- Consultar la carga máxima permitida en función del número de ramales del cable de elevación de la tabla Reenvío del cable de elevación (EST), véase el cuaderno de tablas de cargas, capítulo 40.90.
- El controlador de cargas LICCON tiene que ajustarse al número de ramales de cable de elevación.



Nota

Para aumentar la vida útil del cable, tener en cuenta los siguientes puntos:

- ▶ Se recomienda un reenvío más alto para reducir el tiro por ramal.
- Cuidado del cable, véase el manual de instrucciones de la grúa, capítulo 8.04.



Nota

► El número de ramales de cable de elevación de una columna de carga indicado en las tablas de cargas se refiere a su carga máxima según la norma EN 13000.

3 Factor de seguridad de cable 5 según la norma ASME B30.5

En países donde se aplica la normativa nacional ASME B30.5 está prescrito un factor de seguridad 5 para cables de elevación antitorsión. Por ejemplo, en Canadá, Estados Unidos y Taiwán.

En los países donde se aplica la norma nacional ASME B30.5, deben aplicarse las cargas máximas hasta un reenvío de 13 ramales según las siguientes tablas. A partir de un reenvío de 14 ramales se tienen en cuenta las capacidades de carga máximas según EN 13000.



Nota

- ▶ En la norma EN 13000, al contrario de la ASME B30.5 se tiene en cuenta también el rendimiento de la tracción de cable. Por ello, en los países donde se aplica la norma nacional ASME B30.5 las cargas son menores que en la norma EN 13000 hasta un reenvío determinado. A partir de este reenvío determinado están vigentes las cargas máximas calculadas según la norma EN 13000. Por lo que respecta a la ASME B30.5, a partir de este reenvío determinado no se requieren más restricciones.
- ▶ Si se respetan las prescripciones del capítulo 5.3.2.1.1 (e) de la norma ASME B30.5 (2014), se pueden aplicar igualmente los tiros por ramal según la norma EN 13000.



3.1 Tabla ASME B30.5 para la tabla Reenvío del cable de elevación tipo 1

Reenvío	Capacidad máxima de carga (DIN EN 13000)	Capacidad máxima de carga (ASME B30.5)		
1	18.1 t	16.5 t		
2	35.9 t	33.0 t		
3	53.4 t	49.5 t		
4	70.7 t	66.1 t		
5	87.7 t	82.6 t		
6	104.5 t	99.1 t		
7	121.0 t	115.6 t		
8	137.2 t	132.1 t		
9	153.2 t	148.6 t		
10	169.0 t	165.1 t		
11	184.5 t	181.7 t		
12	199.9 t	198.2 t		
13	214.9 t	214.7 t		

3.2 Tabla ASME B30.5 para la tabla Reenvío del cable de elevación tipo 2

Reenvío	Capacidad máxima de carga (DIN EN 13000)	Capacidad máxima de carga (ASME B30.5)
1	12.6 t	11.5 t
2	24.9 t	22.9 t
3	37.1 t	34.4 t
4	49.1 t	45.9 t
5	60.9 t	57.3 t
6	72.5 t	68.8 t
7	84.0 t	80.3 t
8	95.3 t	91.7 t
9	106.4 t	103.2 t
10	117.4 t	114.7 t
11	128.2 t	126.1 t
12	138.8 t	137.6 t
13	149.3 t	149.1 t

3.3 Tabla ASME B30.5 para la tabla Reenvío del cable de elevación tipo 3

Reenvío	Capacidad máxima de carga (DIN EN 13000)	Capacidad máxima de carga (ASME B30.5)		
1	16.1 t	14.7 t		
2	31.9 t	29.4 t		
3	47.5 t	44.0 t		
4	62.8 t	58.7 t		
5	78.0 t	73.4 t		
6	92.8 t	88.1 t		
7	107.5 t	102.8 t		
8	122.0 t	117.4 t		
9	136.2 t	132.1 t		
10	150.2 t	146.8 t		
11	164.0 t	161.5 t		
12	177.6 t	176.1 t		
13	191.0 t	190.8 t		

40.35 Motones de gancho y ganchos de carga

1	Peso mínimo requerido de la pasteca	3
2	Cálculo del peso mínimo requerido de la pasteca	4
3	Procedimiento con el cable flojo	6

LWE//418100-04-10/es

Fig.195219

1 Peso mínimo requerido de la pasteca



ADVERTENCIA

¡Peligro de que los componentes y la pasteca se caigan!

En el caso de un peso de la pasteca muy bajo, el cable de elevación entre el cabezal de pluma y el cabrestante puede tirar bruscamente hacia arriba la pasteca a partir de una cierta altura de elevación. El cabezal de la pluma y la pasteca pueden dañarse. Las piezas dañadas y el cable de elevación pueden caerse.

¡Si al desenrollar el cabrestante, se forma un cable flojo entre el cabrestante y el cabezal de pluma, la pasteca puede caerse repentinamente!

¡Las personas pueden morir o lesionarse gravemente!

¡Se pueden ocasionar grandes daños materiales!

- Calcular el peso mínimo requerido de la pasteca antes de elevar la carga.
- ▶ Seleccionar el peso de la pasteca dependiendo del cálculo.
- ► Está prohibido que el cable se quede flojo.

Si el peso de la pasteca es muy bajo:

Seleccionar la pasteca más pesada o el peso de la pasteca con peso adicional o aumentar el set de modificación técnica.

AVISO

¡Existe peligro de dañar el cable si el peso de la pasteca es insuficiente!

Si para el modo de servicio no se requiere ningún número de ramal mínimo de cable de elevación que dependa del sistema:

► Colocar la pasteca dependiendo del peso de la carga elevada mínima.

Si se incorporan cargas en grandes alturas:

▶ Si es posible, efectuar una colocación de cable más alta.

Si se efectúa una colocación de cable más alta:

► Aumentar el peso de la pasteca.

Si el peso de la pasteca es muy bajo:

Seleccionar la pasteca más pesada o el peso de la pasteca con peso adicional o aumentar el set de modificación técnica.



Nota

Respetar las siguientes indicaciones:

Para reducir el desgaste del cable de elevación:

➤ Si la longitud del cable presente disponible y el peso máximo permitido de la pasteca lo permiten, efectuar una colocación del cable más alta. Especialmente cuando las cargas se incorporan a gran altura.

Ya que el peso del cable de elevación se ha contemplado en las tablas de cargas en el caso de una colocación del cable mínima y con un radio mínimo sólo hasta la superficie de alzamiento de la grúa:

▶ Al colocar el cable más alto o al descender la pasteca bajo la superficie de alzamiento de la grúa, el peso adicional del cable de elevación tiene que ser sacado de la capacidad máxima de carga.



Nota

Tener en cuenta los pesos de pasteca autorizados para el levantamiento y descenso del sistema de pluma.

Si aumentando el peso propio de la pasteca se sobrepasa el peso de pasteca autorizado para el levantamiento y el descenso del sistema de pluma, el sistema de pluma no se puede subir ni bajar con dicho peso de pasteca.

▶ Observar los pesos de pasteca autorizados para levantar y bajar tal como está indicado en las tablas de levantamiento y descenso.

Si el peso autorizado de la pasteca se sobrepasa para el levantamiento y descenso:

Desmontar los pesos adicionales para el levantamiento y descenso del sistema de pluma.

2 Cálculo del peso mínimo requerido de la pasteca

Fórmula	
G = L x M x n x F	

Fórmula para calcular el peso mínimo requerido de la pasteca

Abreviación	Denominación	Unidad
G	Peso mínimo requerido de la pasteca	kg
L	Longitud total de la pluma	m
M	Peso de cable	kg/m
n	Número de ramal	-
F	Factor	-

Explicación de las variables para calcular el peso mínimo requerido de la pasteca

2.1 Cálculo del peso de cable por el diámetro de cable

Diámetro de cable	Peso de cable M
13 mm	0.85 kg/m
15 mm	1.12 kg/m
17 mm	1.45 kg/m
19 mm	1.81 kg/m
21 mm	2.24 kg/m
23 mm	2.67 kg/m
25 mm	3.09 kg/m
28 mm	3.94 kg/m
30 mm	4.46 kg/m
32 mm	5.09 kg/m
38 mm	7.21 kg/m
40 mm	7.99 kg/m
52 mm	13.50 kg/m

Diámetro de cable y peso de cable



2.2 Cálculo del factor por el número de cable

Número de ramal de cable n	Factor F
1	1.31
2	1.34
3	1.36
4	1.39
5	1.41
6	1.44
7	1.46
8	1.49
9	1.52
10	1.54
11	1.57
12	1.60
13	1.63
14	1.65
15	1.68
16	1.71
17	1.74
18	1.77
19	1.80
20	1.83
21	1.87
22	1.90
23	1.93
24	1.96
25	2.00
26	2.03
27	2.06
28	2.10
29	2.13
30	2.17

Reenvío y factor

2.3 Ejemplo de cálculo para servicio de la grúa con 1 cabrestante de cable de elevación en el servicio simple

Configuración de la grúa:

- Longitud de la pluma principal: 70 mLongitud de la pluma adicional: 28 m
- Diámetro del cable: 28 mm

Reenvío: 12 ramales

Variables para el cálculo:

L = longitud total de la pluma = 98 m

M = peso del cable para un diámetro de 28 mm = 3.94 kg/m

n = Número de ramal de cable = 12

F = Factor para 12 ramales = 1.60

Cálculo:

 $G = L \times M \times N \times F$

G = 98 m x 3.94 kg/m x 12 x 1.60

G = 7414 kg

El peso de pasteca mínimo requerido debe ser de 7414 kg.

Se recomienda aumentar el peso de pasteca mínimo requerido al menos en un 10 por ciento (741 kg) hasta los 8155 kg. De esta forma se mejora el comportamiento de enrollado del cable. Al hacerlo, **no** se puede exceder la carga máxima en la correspondiente configuración de pluma.

2.4 Ejemplo de cálculo para servicio de la grúa con 2 cabrestantes de cable de elevación en servicio paralelo

Configuración de la grúa:

- Longitud de la pluma principal: 70 m
- Longitud de la pluma adicional: 28 m
- Diámetro del cable: 28 mm
- Reenvío: 2 x 8 ramales

Variables para el cálculo:

L = longitud total de la pluma = 98 m

M = peso del cable para un diámetro de 28 mm = 3.94 kg/m

n = Número de ramal = (2×8)

F = Factor para 8 ramales = 1.49

Cálculo:

 $G = L \times M \times (2 \times N) \times F$

G = 98 m x 3.94 kg/m x (2 x 8) x 1.49

G = 9205 kg

El peso de pasteca mínimo requerido debe ser de 9205 kg.

Se recomienda aumentar el peso de pasteca mínimo requerido al menos en un 10 por ciento (921 kg) hasta los 10126 kg. De esta forma se mejora el comportamiento de enrollado del cable. Al hacerlo, **no** se puede exceder la carga máxima en la correspondiente configuración de pluma.

3 Procedimiento con el cable flojo



Nota

¡Si la pasteca ya no puede descender porque el cable se ha aflojado, se debe proceder de la manera siguiente!

3.1 Enrollado del cable de elevación aflojado

► Enrollar cuidadosamente en el cabrestante, el cable de elevación aflojado que está entre el cabezal de pluma y el cabrestante.



Nota

▶ ¡Se debe quedar un poco de comba entre el cabezal de pluma y el cabrestante!

3.2 Descender pluma

AVISO

¡Peligro de colisión!

Al bajar la pluma, la longitud del cable de elevación puede reducirse y tirar de la pasteca contra el cabezal de pluma.

- ▶ Observar la distancia entre la pasteca y el cabezal de pluma.
- ► Bajar la pluma cuidadosamente.

Resultado:

El cable de elevación entre el cabezal de pluma y el cabrestante se ha tensado.

3.3 Descenso de la pasteca

▶ Bajar cuidadosamente la pasteca con el mecanismo de elevación.

¡Página vacía!

3

6

- Servicio de grúa con 1 cable de elevación F= 180 kN y d= 28 mm (tipo1, longitud del cable de elevación: 1050 m)
- 2 Servicio de grúa con 1 cable de elevación F= 180 kN y d= 28 mm (tipo1, longitud del cable de elevación: 1100 m)

LWE//418100-04-10/es

Fig.195219

1 Servicio de grúa con 1 cable de elevación F= 180 kN y d= 28 mm (tipo1, longitud del cable de elevación: 1050 m)



Nota

► La longitud total de pluma puede estar limitada dependiendo del reenvío y del peso de la pasteca. La base de los valores indicados son los datos específicos de la grúa.

Datos específicos de la grúa			
Diámetro de cable	28.0 mm		
Peso de cable	0.00394 t/m		
Partes de la pluma	6 m		
Longitud mínima de la pluma	24 m		
Longitud máxima de la pluma	192 m		
Cantidad de cabrestantes de elevación	1		
Longitud de cable de elevación	1050 m		
Derrick hasta la inversión del cable de elevación	31.0 m		

1.1 Gancho de carga 16 E (0 poleas / 16.0 t capacidad de carga)

Reenvío	Longitud de pluma total máxima posible con el siguiente peso de pasteca:				
	1.1 t sin peso adi- cional				
1	192 m				

1.2 Pasteca 50 E (1 polea / 50.0 t capacidad de carga)

Reenvío	Longitud de pluma total máxima posible con el siguiente peso de pasteca:						
	1.0 t sin peso adi- cional	2.0 t con 2 pesos adi- cionales	3.0 t con 4 pesos adi- cionales				
3	60 m	120 m	186 m				
2	90 m	186 m	192 m				
1	192 m	192 m	192 m				

1.3 Pasteca 125 DM (3 poleas / 121.0 t capacidad de carga)

Reenvío	Longitud de pluma total máxima posible con el siguiente peso de pasteca:						
	1.5 t sin peso adi- cional	2.5 t con 2 pesos adi- cionales	3.5 t con 4 pesos adi- cionales	4.5 t con 6 pesos adi- cionales	5.5 t con 8 pesos adi- cionales		
7	36 m	60 m	84 m	108 m	120 m		
6	42 m	72 m	102 m	132 m	138 m		
5	48 m	84 m	120 m	156 m	162 m		
4	66 m	114 m	156 m	192 m	192 m		
3	90 m	150 m	192 m	192 m	192 m		
2	138 m	192 m	192 m	192 m	192 m		
1	192 m	192 m	192 m	192 m	192 m		

1.4 Pasteca 200 DM (5 poleas / 184.5 t capacidad de carga)

Reenvío	Longitud d	Longitud de pluma total máxima posible con el siguiente peso de pasteca:					
	2.0 t sin peso adi- cional	3.0 t con 2 pesos adi- cionales	4.0 t con 4 pesos adi- cionales	5.0 t con 6 pesos adi- cionales	6.0 t con 8 pesos adi- cionales	7.0 t con 10 pesos adi- cionales	
11	24 m	42 m	54 m	72 m	78 m	78 m	
10	30 m	48 m	60 m	78 m	84 m	84 m	
9	36 m	54 m	72 m	90 m	96 m	96 m	
8	42 m	60 m	84 m	102 m	108 m	108 m	
7	48 m	72 m	96 m	120 m	120 m	120 m	
6	54 m	84 m	114 m	138 m	138 m	138 m	
5	66 m	102 m	138 m	162 m	162 m	162 m	
4	90 m	132 m	180 m	192 m	192 m	192 m	
3	120 m	186 m	192 m	192 m	192 m	192 m	
2	186 m	192 m	192 m	192 m	192 m	192 m	
1	192 m	192 m	192 m	192 m	192 m	192 m	

1.5 Pasteca doble 400 - 200 DMZ (5 poleas / 184.5 t capacidad de carga)

Reenvío	Longitud de pluma total máxima posible con el siguiente peso de pasteca:							
	5.0 t sin peso adi- cional	6.0 t con 2 pesos adi- cionales	7.0 t con 4 pesos adi- cionales					
11	72 m	78 m	78 m					
10	78 m	84 m	84 m					
9	90 m	96 m	96 m					
8	102 m	108 m	108 m					

1.6 Pasteca doble 600 - 300 DMZ (9 poleas / 300.0 t capacidad de carga)

Reenvío	Longitud d	e pluma tota	l máxima posi	ible con el sig	juiente peso d	de pasteca:
	8.5 t sin peso adi- cional					
19	48 m					
18	48 m					
17	54 m					
16	54 m					
15	60 m					
14	60 m					
13	66 m					
12	72 m					
11	78 m					
10	84 m					
9	96 m					
8	108 m					
7	120 m					
6	138 m					
5	162 m					
4	192 m					
3	192 m					
2	192 m					
1	192 m					

2 Servicio de grúa con 1 cable de elevación F= 180 kN y d= 28 mm (tipo1, longitud del cable de elevación: 1100 m)



Nota

► La longitud total de pluma puede estar limitada dependiendo del reenvío y del peso de la pasteca. La base de los valores indicados son los datos específicos de la grúa.

Datos específicos de la grúa							
Diámetro de cable	28.0 mm						
Peso de cable	0.00394 t/m						
Partes de la pluma	6 m						
Longitud mínima de la pluma	24 m						
Longitud máxima de la pluma	192 m						
Cantidad de cabrestantes de elevación	1						
Longitud de cable de elevación	1100 m						
Derrick hasta la inversión del cable de elevación	31.0 m						

2.1 Gancho de carga 16 E (0 poleas / 16.0 t capacidad de carga)

Reenvío	Longitud de pluma total máxima posible con el siguiente peso de pasteca:							
	1.1 t sin peso adi- cional							
1	192 m							

2.2 Pasteca 50 E (1 polea / 50.0 t capacidad de carga)

Reenvío	Longitud de pluma total máxima posible con el siguiente peso de pasteca:					
	1.0 t sin peso adi- cional	2.0 t con 2 pesos adi- cionales	3.0 t con 4 pesos adi- cionales			
3	60 m	120 m	186 m			
2	90 m	186 m	192 m			
1	192 m	192 m	192 m			

2.3 Pasteca 125 DM (3 poleas / 121.0 t capacidad de carga)

Reenvío	Longitud de pluma total máxima posible con el siguiente peso de pasteca:						
	1.5 t sin peso adi- cional	2.5 t con 2 pesos adi- cionales	3.5 t con 4 pesos adi- cionales	4.5 t con 6 pesos adi- cionales	5.5 t con 8 pesos adi- cionales		
7	36 m	60 m	84 m	108 m	126 m		
6	42 m	72 m	102 m	132 m	144 m		
5	48 m	84 m	120 m	156 m	168 m		
4	66 m	114 m	156 m	192 m	192 m		
3	90 m	150 m	192 m	192 m	192 m		
2	138 m	192 m	192 m	192 m	192 m		
1	192 m	192 m	192 m	192 m	192 m		

2.4 Pasteca 200 DM (5 poleas / 184.5 t capacidad de carga)

Reenvío	Longitud d	Longitud de pluma total máxima posible con el siguiente peso de pasteca:						
	2.0 t sin peso adi- cional	3.0 t con 2 pesos adi- cionales	4.0 t con 4 pesos adi- cionales	5.0 t con 6 pesos adi- cionales	6.0 t con 8 pesos adi- cionales	7.0 t con 10 pesos adi- cionales		
11	24 m	42 m	54 m	72 m	84 m	84 m		
10	30 m	48 m	60 m	78 m	90 m	90 m		
9	36 m	54 m	72 m	90 m	102 m	102 m		
8	42 m	60 m	84 m	102 m	108 m	108 m		
7	48 m	72 m	96 m	120 m	126 m	126 m		
6	54 m	84 m	114 m	144 m	144 m	144 m		
5	66 m	102 m	138 m	168 m	168 m	168 m		
4	90 m	132 m	180 m	192 m	192 m	192 m		
3	120 m	186 m	192 m	192 m	192 m	192 m		
2	186 m	192 m	192 m	192 m	192 m	192 m		
1	192 m	192 m	192 m	192 m	192 m	192 m		

2.5 Pasteca doble 400 - 200 DMZ (5 poleas / 184.5 t capacidad de carga)

Reenvío	Longitud de pluma total máxima posible con el siguiente peso de pasteca:							
	5.0 t sin peso adi- cional	6.0 t con 2 pesos adi- cionales	7.0 t con 4 pesos adi- cionales					
11	72 m	84 m	84 m					
10	78 m	90 m	90 m					
9	90 m	102 m	102 m					
8	102 m	108 m	108 m					

Reenvío	Longitud de pluma total máxima posible con el siguiente peso de pasteca:						
	5.0 t sin peso adi- cional	6.0 t con 2 pesos adi- cionales	7.0 t con 4 pesos adi- cionales				
7	120 m	126 m	126 m				
6	144 m	144 m	144 m				
5	168 m	168 m	168 m				
4	192 m	192 m	192 m				
3	192 m	192 m	192 m				
2	192 m	192 m	192 m				
1	192 m	192 m	192 m				

2.6 Pasteca doble 600 - 300 DMZ (9 poleas / 300.0 t capacidad de carga)

Reenvío	Longitud de pluma total máxima posible con el siguiente peso de pasteca:					
	8.5 t sin peso adi- cional					
19	48 m					
18	48 m					
17	54 m					
16	60 m					
15	60 m					
14	66 m					
13	72 m					
12	78 m					
11	84 m					
10	90 m					
9	102 m					
8	108 m					
7	126 m					
6	144 m					
5	168 m					
4	192 m					
3	192 m					
2	192 m					
1	192 m					

LWE//418100-04-10/es

Fig.195219

1 Servicio de grúa con 2 cables de elevación F= 180 kN y d= 28 mm (tipo1, longitud del cable de elevación: 1050 m)



Nota

► La longitud total de pluma puede estar limitada dependiendo del reenvío y del peso de la pasteca. La base de los valores indicados son los datos específicos de la grúa.

Datos específicos de la grúa						
Diámetro de cable	28.0 mm					
Peso de cable	0.00394 t/m					
Partes de la pluma	6 m					
Longitud mínima de la pluma	24 m					
Longitud máxima de la pluma	192 m					
Cantidad de cabrestantes de elevación	2					
Longitud de cable de elevación	1050 m					
Derrick hasta la inversión del cable de elevación	31.0 m					

1.1 Pasteca doble 400 - 200 DMZ (2 x 5 poleas / 369.0 t capacidad de carga)

Reenvío	Longitud de pluma total máxima posible con el siguiente peso de pasteca:							
	6.0 t sin peso adi- cional	7.0 t con 2 pesos adi- cionales	8.0 t con 4 pesos adi- cionales	9.0 t con 6 pesos adi- cionales	10.0 t con 8 pesos adi- cionales	11.0 t con 10 pesos adicionales		
2 x 11	42 m	48 m	54 m	66 m	72 m	78 m		
2 x 10	48 m	54 m	60 m	72 m	78 m	84 m		
2 x 9	54 m	60 m	72 m	78 m	90 m	96 m		
2 x 8	60 m	72 m	84 m	90 m	102 m	108 m		
2 x 7	72 m	84 m	96 m	108 m	120 m	120 m		
2 x 6	84 m	102 m	114 m	132 m	138 m	138 m		

1.2 Pasteca doble 600 - 300 DMZ (2 x 9 poleas / 600.0 t capacidad de carga)

Reenvío	Longitud de pluma total máxima posible con el siguiente peso de pasteca:						
	11.0 t sin peso adipeso adicional cionales 12.0 t con 2 peso adipeso adicional 12.0 t con 2 pesos adipeso adicional 14.0 t con 6 pesos adipesos adicional 15.0 t con 8 pesos adipesos adicional 16.0 t con 8 pesos adicional 16.0 t con 8 pe						
2 x 19	36 m	42 m	48 m	48 m	48 m	54 m ¹⁾	
2 x 18	42 m	42 m	48 m	48 m	48 m	54 m 1)	
2 x 17	42 m	48 m	54 m	54 m	54 m	60 m ¹⁾	

Reenvío	Longitud de pluma total máxima posible con el siguiente peso de pasteca:						
	11.0 t sin peso adi- cional	12.0 t con 2 pesos adi- cionales	13.0 t con 4 pesos adi- cionales	14.0 t con 6 pesos adi- cionales	15.0 t con 8 pesos adi- cionales	16.0 t con 10 pesos adicionales	
2 x 16	48 m	54 m	54 m	54 m	54 m	60 m 1)	
2 x 15	54 m	60 m	60 m	60 m	60 m	66 m 1)	
2 x 14	60 m	60 m	60 m	60 m	60 m	66 m ¹⁾	
2 x 13	66 m	66 m	66 m	66 m	66 m	72 m ¹⁾	
2 x 12	72 m	72 m	72 m	72 m	72 m	72 m	
2 x 11	78 m	78 m	78 m	78 m	78 m	78 m	
2 x 10	84 m	84 m	84 m	84 m	84 m	84 m	
2 x 9	96 m	96 m	96 m	96 m	96 m	96 m	
2 x 8	108 m	108 m	108 m	108 m	108 m	108 m	
2 x 7	120 m	120 m	120 m	120 m	120 m	120 m	
2 x 6	138 m	138 m	138 m	138 m	138 m	138 m	

¹⁾ La pasteca no alcanza el suelo debido a la longitud del cable de elevación.

2 Servicio de grúa con 2 cables de elevación F= 180 kN y d= 28 mm (tipo1, longitud del cable de elevación: 1100 m)



Nota

► La longitud total de pluma puede estar limitada dependiendo del reenvío y del peso de la pasteca. La base de los valores indicados son los datos específicos de la grúa.

Datos específicos de la grúa							
Diámetro de cable	28.0 mm						
Peso de cable	0.00394 t/m						
Partes de la pluma	6 m						
Longitud mínima de la pluma	24 m						
Longitud máxima de la pluma	192 m						
Cantidad de cabrestantes de elevación	2						
Longitud de cable de elevación	1100 m						
Derrick hasta la inversión del cable de elevación	31.0 m						

2.1 Pasteca doble 400 - 200 DMZ (2 x 5 poleas / 369.0 t capacidad de carga)

Reenvío	Longitud de pluma total máxima posible con el siguiente peso de pasteca:							
	6.0 t sin peso adi- cional	7.0 t con 2 pesos adi- cionales	8.0 t con 4 pesos adi- cionales	9.0 t con 6 pesos adi- cionales	10.0 t con 8 pesos adi- cionales	11.0 t con 10 pesos adicionales		
2 x 11	42 m	48 m	54 m	66 m	72 m	78 m		
2 x 10	48 m	54 m	60 m	72 m	78 m	90 m		
2 x 9	54 m	60 m	72 m	78 m	90 m	102 m		
2 x 8	60 m	72 m	84 m	90 m	102 m	114 m		
2 x 7	72 m	84 m	96 m	108 m	120 m	126 m		
2 x 6	84 m	102 m	114 m	132 m	144 m	144 m		

2.2 Pasteca doble 600 - 300 DMZ (2 x 9 poleas / 600.0 t capacidad de carga)

Reenvío	Longitud de pluma total máxima posible con el siguiente peso de pasteca:						
	11.0 t sin peso adi- cional	12.0 t con 2 pesos adi- cionales	13.0 t con 4 pesos adi- cionales	14.0 t con 6 pesos adi- cionales	15.0 t con 8 pesos adi- cionales	16.0 t con 10 pesos adicionales	
2 x 19	36 m	42 m	48 m	48 m	48 m	54 m ¹⁾	
2 x 18	42 m	42 m	48 m	48 m	48 m	54 m	
2 x 17	42 m	48 m	54 m	54 m	54 m	60 m 1)	
2 x 16	48 m	54 m	60 m	60 m	60 m	60 m	
2 x 15	54 m	60 m	60 m	60 m	60 m	66 m 1)	
2 x 14	60 m	60 m	66 m	66 m	66 m	66 m	
2 x 13	66 m	72 m	72 m	72 m	72 m	72 m	
2 x 12	72 m	78 m	78 m	78 m	78 m	78 m	
2 x 11	78 m	84 m	84 m	84 m	84 m	84 m	
2 x 10	90 m	90 m	90 m	90 m	90 m	90 m	
2 x 9	102 m	102 m	102 m	102 m	102 m	102 m	
2 x 8	108 m	108 m	108 m	108 m	108 m	114 m	
2 x 7	126 m	126 m	126 m	126 m	126 m	126 m	
2 x 6	144 m	144 m	144 m	144 m	144 m	144 m	

¹⁾ La pasteca no alcanza el suelo debido a la longitud del cable de elevación.

¡Página vacía!

Distancia entre el gancho y el juego de rodillos en el cabezal de la pluma

5





Fig.115552: Distancia entre el gancho y el juego de rodillos en el cabezal de la pluma

1 Distancia entre el gancho y el juego de rodillos en el cabezal de la pluma

Para determinar la altura del gancho, se deberá sustraer la altura de elevación menos la distancia que existe entre el gancho y el centro del juego de rodillos del cabezal de la pluma.

Las distancias para el motón de gancho utilizado pueden verse en la tabla a continuación.

Motón de gancho	Distancia H					
	Extensión cabezal SW	Cabezal de conexión W	Extensión cabezal F			
Gancho de carga 16 E	4.4 m	4.4 m	5.0 m			
Motón de gancho 50 EM	4.9 m	4.9 m	5.6 m			
Motón de gancho 125 DM	5.1 m	5.1 m	5.7 m			
Motón de gancho 200 DM	5.2 m	5.2 m	5.8 m			
Motón de gancho doble 400 / 200 DMZ	6.2 m	6.2 m	-			
Motón de gancho doble 600 / 300 DMZ	6.7 m	6.7 m	-			

¡Página vacía!

40.40 Ramales mínimos del cable de elevación y peso mínimo de la pasteca

Reenvíos mínimos del cable de elevación y pesos mínimos de la pasteca

•

LWE//418100-04-10/es

1 Reenvíos mínimos del cable de elevación y pesos mínimos de la pasteca



Nota

- ▶ Para un servicio seguro de la grúa se tiene que controlar si los reenvíos mínimos del cable de elevación y el peso mínimo de la pasteca son necesarios.
- ▶ Para determinar los reenvíos mínimos del cable de elevación se deben tener en cuenta cuatro criterios límite.
- ▶ En las siguientes secciones se describen los criterios limitadores.

Se deben tener en cuenta los siguientes criterios:

- Tracción máxima del cable (n_{min [tabla de reenvío]})
- Terrenos estáticos (n_{min [estática]}), (G_{min [estática]})
- Peso de carga seguro del controlador de cargas LICCON (n_{min [neso de la carga]})
- Servicio paralelo (n_{min [servicio paralelo]})

1.1 Criterio limitador: Tracción máxima del cable

No se deben superar las tracciones máximas del cable. Igualmente se debe seleccionar de la "tabla Reenvío del cable de elevación" el reenvío mínimo del cable de elevación en función de la capacidad de carga de elevación, véase el cuaderno de tablas de cargas capítulo 40.90.

1.2 Criterio limitador: Terrenos estáticos



Nota

Valores mínimos que impiden movimientos incontrolables de la pluma hacia atrás en posiciones empinadas.

1.2.1 Reenvío mínimo del cable de elevación servicio SW, SDW, SDWV

TAB 181 00 027-00



ADVERTENCIA

¡No se ha cumplido con el número de reenvíos mínimo del cable de elevación y el peso mínimo de la pasteca!

Peligro de vuelco de la grúa, fallo de las estructuras de la grúa.

Muerte o lesiones graves, altos daños materiales.

► Cumplir con los reenvíos mínimos del cable de elevación y peso mínimo de la pasteca en función del ángulo de la pluma principal, véase la tabla siguiente.



ADVERTENCIA

¡Reenvío mínimo del cable de elevación no cumplido!

Peligro de vuelco de la grúa, fallo de las estructuras de la grúa.

Muerte o lesiones graves, altos daños materiales.

Si la nariz está montada en el plumín de celosía abatible W- 12 m:

► Encajar la nariz al menos 2 veces.



Nota

- ▶ El ángulo de la pluma principal designa la inclinación de ésta con relación a la horizontal.
- ► Los valores indicados en la tabla son también válidos de manera general para el servicio con la nariz.
- ▶ Los reenvíos mínimos del cable de elevación son válidos para el servicio con 1 cabrestante de cable de elevación y para el servicio con 2 cabrestantes de cable de elevación.

Ejemplo para 6 reenvíos mínimos del cable de elevación:

1 cabrestante de cable de elevación: 1 x 6 reenvíos 2 cabrestantes de cable de elevación: 2 x 3 reenvíos

Plu	ma	Reenvío mínimo del cable de ele- vación		
S	W		Ángulo pluma princi- pal > 70°	Ángulo pluma princi- pal < 70°
S- 36 m	W- 12 m 1)	8	3.0 t	-
3- 30 111	W- 18 m ¹⁾	4	2.0 t	-
S- 42 m	W- 12 m 1)	8	3.0 t	-
3- 42 111	W- 18 m ¹⁾	4	2.0 t	-
S- 48 m	W- 12 m 1)	10	4.0 t	-
3- 40 111	W- 18 m ¹⁾	4	4.0 t	-
S- 54 m	W- 12 m 1)	10	7.0 t	4.0 t
S- 54 III	W- 18 m 1)	4	4.0 t	-
	W- 12 m 1)	12	8.0 t	6.0 t
S- 60 m	W- 18 m 1)	4	5.0 t	-
	W- 24 m	4	2.0 t	-
	W- 12 m 1)	14	9.0 t	7.0 t
S- 66 m	W- 18 m 1)	6	6.0 t	-
5- 66 111	W- 24 m	4	3.5 t	-
	W- 30 m	4	3.5 t	-
	W- 12 m 1)	16	11.0 t	9.0 t
S- 72 m	W- 18 m 1)	6	7.0 t	4.0 t
5- 72 111	W- 24 m	4	5.0 t	-
	W- 30 m	4	5.0 t	-
	W- 12 m 1)	14	13.0 t	10.0 t
	W- 18 m 1)	8	8.0 t	5.0 t
S- 78 m	W- 24 m	6	5.0 t	-
	W- 30 m	6	5.0 t	-
	W- 36 m	4	3.0 t	-
	W- 12 m 1)	12	16.0 t	12.0 t
	W- 18 m 1)	10	10.0 t	6.0 t
S- 84 m	W- 24 m	6	7.0 t	4.0 t
	W- 30 m	6	7.0 t	-
	W- 36 m	4	3.0 t	-

1.2.2 Reenvío mínimo del cable de elevación servicio SLF, SL3F

TAB 181 00 047-00



ADVERTENCIA

¡No se ha cumplido con el número de reenvíos mínimo del cable de elevación y el peso mínimo de la pasteca!

Peligro de vuelco de la grúa, fallo de las estructuras de la grúa.

Muerte o lesiones graves, altos daños materiales.

- ► Cumplir con los reenvíos mínimos del cable de elevación y peso mínimo de la pasteca dentro del rango angular de la pluma principal indicado, véase la tabla siguiente.
- ▶ La pasteca puede bajarse solo por debajo del rango angular indicado de la pluma principal.

¹⁾ Los plumines de celosía abatibles son válidas sólo para el servicio SDWV.

Pluma		Reenvío mínimo del cable de ele- vación	Peso mínimo de la pasteca		ar de la pluma cipal
SL	F			de	hasta
	F- 12 m / 11°	7	2.5 t	75°	87°
SL- 54 m	F- 12 m / 11°	6	3.0 t	75°	87°
hasta	F- 12 m / 11°	5	3.5 t	75°	87°
SL3- 108 m	F- 12 m / 11°	4	4.0 t	75°	87°
	F- 12 m / 16°	3	1.5 t	75°	87°

1.2.3 Reenvío mínimo del cable de elevación servicio SL10DFB; SL10DFB2

TAB 181 00 191-00



ADVERTENCIA

¡No se ha cumplido con el número de reenvíos mínimo del cable de elevación y el peso mínimo de la pasteca!

Peligro de vuelco de la grúa, fallo de las estructuras de la grúa.

Muerte o lesiones graves, altos daños materiales.

► Cumplir con los reenvíos mínimos del cable de elevación y peso mínimo de la pasteca, véase la tabla siguiente.

Plu	ma	Reenvío mínimo del cable de elevación	Peso mínimo de la pasteca
SL	F		
SL10- 102 m	F- 12 m / 11°	5	6.0 t
hasta SL10- 153 m	F- 12 m / 16°	4	3.0 t

1.2.4 Reenvío mínimo del cable de elevación servicio SL2DFB; SL4DFB; SL4DFBW; SL4DFB2; SL4DFB2

TAB 181 00 192-01



ADVERTENCIA

¡No se ha cumplido con el número de reenvíos mínimo del cable de elevación y el peso mínimo de la pasteca!

Peligro de vuelco de la grúa, fallo de las estructuras de la grúa.

Muerte o lesiones graves, altos daños materiales.

Cumplir con los reenvíos mínimos del cable de elevación y peso mínimo de la pasteca, véase la tabla siguiente.

Pluma		Reenvío mínimo del cable de elevación	Peso mínimo de la pasteca
SL	F		
	F- 12 m / 11°	5	6.0 t
SL- 72 m	F- 12 m / 16°	4	3.0 t
hasta SL- 138 m	F- 18 m / 13°	4	2.0 t
	F- 18 m / 18°	4	2.0 t

1.2.5 Reenvío mínimo del cable de elevación servicio HSL2DFB; HSL4DFB; HSL2DFBW; HSL4DFBW; HSL2DFB2; HSL4DFB2

TAB 181 00 319-00



ADVERTENCIA

¡No se ha cumplido con el número de reenvíos mínimo del cable de elevación y el peso mínimo de la pasteca!

Peligro de vuelco de la grúa, fallo de las estructuras de la grúa.

Muerte o lesiones graves, altos daños materiales.

Cumplir con los reenvíos mínimos del cable de elevación y peso mínimo de la pasteca, véase la tabla siguiente.

Plu	ma	Reenvío mínimo del cable de elevación	Peso mínimo de la pasteca
HSL	F		
	F- 12 m / 11°	5	6.0 t
HSL- 72 m	F- 12 m / 16°	4	3.0 t
hasta HSL- 138 m	F- 18 m / 13°	4	2.0 t
	F- 18 m / 18°	4	2.0 t

1.2.6 Reenvío mínimo del cable de elevación servicio SL13DFB; SL13DFB2

TAB 181 00 340-00



ADVERTENCIA

¡No se ha cumplido con el número de reenvíos mínimo del cable de elevación y el peso mínimo de la pasteca!

Peligro de vuelco de la grúa, fallo de las estructuras de la grúa.

Muerte o lesiones graves, altos daños materiales.

Cumplir con los reenvíos mínimos del cable de elevación y peso mínimo de la pasteca, véase la tabla siguiente.

Plu	ma	Reenvío mínimo del cable de elevación	Peso mínimo de la pasteca
SL	F		
SL13- 102 m	F- 12 m / 11°	5	6.0 t
hasta SL13- 156 m	F- 12 m / 16°	4	3.0 t

1.2.7 Reenvío mínimo del cable de elevación servicio HSDW; HSDWB; HSDWB2; HSDWVBW; HSDWVB; HSDWVBW

TAB 181 00 343-00



ADVERTENCIA

¡No se ha cumplido con el número de reenvíos mínimo del cable de elevación y el peso mínimo de la pasteca!

Peligro de vuelco de la grúa, fallo de las estructuras de la grúa.

Muerte o lesiones graves, altos daños materiales.

► Cumplir con los reenvíos mínimos del cable de elevación y peso mínimo de la pasteca en función del ángulo de la pluma principal, véase la tabla siguiente.



ADVERTENCIA

¡Reenvío mínimo del cable de elevación no cumplido! Peligro de vuelco de la grúa, fallo de las estructuras de la grúa. Muerte o lesiones graves, altos daños materiales.

Si la nariz está montada en el plumín de celosía abatible W- 12 m:

Encajar la nariz al menos 2 veces.



Nota

- El ángulo de la pluma principal designa la inclinación de ésta con relación a la horizontal.
- ► Los valores indicados en la tabla son también válidos de manera general para el servicio con la nariz.
- ▶ Los reenvíos mínimos del cable de elevación son válidos para el servicio con 1 cabrestante de cable de elevación y para el servicio con 2 cabrestantes de cable de elevación.

Ejemplo para 6 reenvíos mínimos del cable de elevación:

1 cabrestante de cable de elevación: 1 x 6 reenvíos 2 cabrestantes de cable de elevación: 2 x 3 reenvíos

Pluma		Reenvío mínimo del cable de ele- vación	Peso mínimo de la pasteca	
нѕ	W		Ángulo pluma princi- pal > 70°	Ángulo pluma princi- pal < 70°
HS- 36 m	W- 12 m ²⁾	8	3.0 t	-
113-30111	W- 18 m ²⁾	4	2.0 t	-
HS- 42 m	W- 12 m ²⁾	8	3.0 t	-
113- 42 111	W- 18 m ²⁾	4	2.0 t	-
HS- 48 m	W- 12 m ²⁾	10	4.0 t	-
113-40111	W- 18 m ²⁾	4	4.0 t	-
HS- 54 m	W- 12 m ²⁾	10	7.0 t	4.0 t
113- 34 111	W- 18 m ²⁾	4	4.0 t	-
	W- 12 m ²⁾	12	8.0 t	6.0 t
HS- 60 m	W- 18 m ²⁾	4	5.0 t	-
	W- 24 m	4	2.0 t	-
	W- 12 m ²⁾	14	9.0 t	7.0 t
HS- 66 m	W- 18 m ²⁾	6	6.0 t	-
113-00111	W- 24 m	4	3.5 t	-
	W- 30 m	4	3.5 t	-
HS- 72 m	W- 12 m ²⁾	16	11.0 t	9.0 t
	W- 18 m ²⁾	6	7.0 t	4.0 t
113-72111	W- 24 m	4	5.0 t	-
	W- 30 m	4	5.0 t	-

Reenvío mínimo

del cable de elevación

Pluma

Peso mínimo de la pasteca

1.2.8 Reenvío mínimo del cable de elevación modo de servicio SL8F3 TAB 181 00 516-01

²⁾ Los plumines de celosía abatibles son válidas sólo para el servicio HSDWV.



ADVERTENCIA

¡No se ha cumplido con el número de reenvíos mínimo del cable de elevación y el peso mínimo de la pasteca!

Peligro de vuelco de la grúa, fallo de las estructuras de la grúa.

Muerte o lesiones graves, altos daños materiales.

► Cumplir con los reenvíos mínimos del cable de elevación y peso mínimo de la pasteca, véase la tabla siguiente.

Plu	ıma	Reenvío mínimo del cable de elevación	Peso mínimo de la pasteca
SL8	F3		
	F3- 12 m / 10°	8	2.0 t
	F3- 12 m / 10°	7	2.5 t
SL8- 72 m	F3- 12 m / 10°	5	3.0 t
hasta SL8- 105 m	F3- 12 m / 10°	4	3.5 t
	F3- 12 m / 10°	3	4.0 t
	F3- 12 m / 15°	4	1.5 t

1.3 Criterio limitador: Peso de carga seguro del controlador de cargas LICCON



Nota

- ► La exactitud de peso del controlador de cargas LICCON es demasiado baja para una medición precisa en el caso de reenvíos de cable de elevación pequeños y posiciones de pluma empinadas.
- ▶ El número de reenvíos mínimos del cable de elevación indicado en las tablas garantiza que la grúa, especialmente en posiciones de pluma empinadas más de 60° respecto a la horizontal, no se sobrecargará de modo inadvertido.



ADVERTENCIA

¡Reenvío mínimo del cable de elevación no cumplido!

Peligro de vuelco de la grúa, fallo de las estructuras de la grúa.

Muerte o lesiones graves, altos daños materiales.

Cumplir los reenvíos mínimos del cable de elevación en la pluma en la que está elevada la carga conforme a las siguientes tablas.

1.3.1 Reenvío mínimo del cable de elevación en la pluma principal, carga en la pluma principal

Modos de servicio sin Derrick

Modo de servicio	Longitud de la pluma principal	Reenvío mínimo del cable de elevación		
		Servicio simple	Servicio paralelo	
	24 m	10	2 x 10	
	30 m	9	2 x 9	
	36 m	8	2 x 8	
	42 m	7	2 x 7	
	48 m	6	2 x 6	

Modos de servicio con Derrick

Modo de servicio	Longitud de la pluma principal	Reenvío mínimo del cable de elevación	
		Servicio simple	Servicio paralelo
	36 m	13	2 x 14
	42 m	14	2 x 14
	48 m	12	2 x 12
	54 m	10	2 x 10
	60 m	8	2 x 10
	66 m	7	2 x 8
	72 m	6	2 x 8
	78 m	6	2 x 6
SD	84 m	5	2 x 6
HSD	90 m	5	2 x 6
	96 m	4	2 x 6
	102 m	4	-
	108 m	4	-
	114 m	4	-
	120 m	3	-
	126 m	3	-
	132 m	3	-
	138 m	3	-
	144 m	3	-

1.3.2 Reenvío mínimo del cable de elevación en el plumín de celosía abatible (WV), carga en el plumín de celosía abatible (WV)

Modo de servicio	Longitud del plumín de celosía abatible	Reenvío mínimo del cable de elevación	
		Servicio simple	Servicio paralelo
	12 m	5	2 x 6
	18 m	5	2 x 6
	24 m	4	2 x 6
	30 m	4	-
	36 m	3	-
	42 m	3	-
	48 m	3	-
WV	54 m	2	-
	60 m	2	-
	66 m	2	-
	72 m	2	-
	78 m	2	-
	84 m	2	-
	90 m	2	-
	96 m	2	-

1.3.3 Reenvío mínimo del cable de elevación en el plumín de celosía abatible (W), carga en el plumín de celosía abatible (W)

Modo de servicio	Longitud del plumín de celosía abatible	Reenvío mínimo del cable de elevación	
		Servicio simple	Servicio paralelo
	24 m	5	2 x 6
	30 m	5	2 x 6
	36 m	4	2 x 6
	42 m	4	-
	48 m	3	-
	54 m	3	-
W	60 m	3	-
	66 m	3	-
	72 m	3	-
	78 m	2	-
	84 m	2	-
	90 m	2	-
	96 m	2	-

1.4 Criterio limitador: Servicio paralelo



Nota

➤ Con un reenvío mínimo del cable de elevación de 2 x 6 ramales de cable se garantiza que en el servicio paralelo del cabestrante 1 y cabestrante 2 se evitará una inclinación inadmisible de la pasteca. Con ello se garantiza el funcionamiento paralelo del cabestrante 1 y cabestrante 2.



ADVERTENCIA

¡Reenvío mínimo del cable de elevación no cumplido! Peligro de vuelco de la grúa, fallo de las estructuras de la grúa.

Muerte o lesiones graves, altos daños materiales.

► Cumplir con el reenvío mínimo del cable de elevación de 2 x 6 ramales de cable.

¡Página vacía!

40.45 Determinación de la colocación del cable de elevación y de la pasteca

1 Procedimiento para calcular la colocación del cable de elevación requerida y motón de gancho requerido

3

LWE//418100-04-10/es

1 Procedimiento para calcular la colocación del cable de elevación requerida y motón de gancho requerido



Nota

▶ Antes de cada elevación de una carga, se debe calcular el número del cable de elevación y el motón de gancho necesarios para ello. A continuación se muestra el procedimiento cómo se debe calcular el número de ramal del cable de elevación y el motón de gancho para el servicio simple (servicio de grúa con 1 solo cabrestante de cable de elevación) y servicio paralelo (servicio de grúa con 2 cabrestantes de cable de elevación).

1.1 Paso 1: Cálculo para determinar la capacidad de carga

Las capacidades de cargas señaladas en las tablas de cargas incluyen los siguientes pesos:

- Peso de la carga a elevar:
- Peso de los elementos elevadores de carga (eslingas) (motón de gancho y gancho de carga)
- Peso de los elementos de detención



Nota

- Antes de la determinación de la colocación del cable de elevación, la capacidad de carga tiene que ser determinada (Peso de la carga + peso de los elementos elevadores de carga + peso de los elementos de detención).
- ▶ Determinar el peso de la carga.
- ▶ Determinar el peso del motón de gancho necesario para la carga a elevar, véase cuaderno de tablas de cargas capítulo 40.35.
- ▶ Determinar el peso de los elementos de detención.

Resultado:

Peso de la carga.

1.2 Paso 2: Cálculo de la colocación de cable requerida del cable de elevación en función de la tracción máxima permitida (n_{min [tabla de colocación de cable]})



Nota

- Cálculo de la colocación del cable de elevación en función de la tracción máxima de cable en la "tabla de la colocación del cable de elevación" (EST), véase cuaderno de tablas de cargas capítulo 40.90.
- ▶ Determinar la colocación del cable de elevación n_{min [tabla de colocación de cable]} para la capacidad de carga en el servicio de la grúa con 1 cabrestante de cable de elevación en el servicio simple.

Determinar la colocación del cable de elevación $n_{min \, [tabla \, de \, colocación \, de \, cable]}$ para la capacidad de carga en el servicio de la grúa con 2 cabrestantes de cable de elevación en el servicio paralelo.

Resultado:

Colocación del cable necesaria n_{mín [tabla de colocación de cable]}

1.3 Paso 3: Determinación de la colocación de cable mínima del cable de elevación y del peso mínimo del motón de gancho por razones estáticas (n_{min [estático]}), (G_{min [estático]})



Nota

Determinar la colocación del cable de elevación y los pesos del motón de gancho necesarias por razones estáticas, véase cuaderno de tablas de cargas capítulo 40.40.

- ▶ Determinar los ramales mínimos del cable de elevación n_{min [estático]}.
- ▶ Determinar el peso mínimo del motón de gancho G_{min [estático]}.

Resultado:

- Colocación del cable necesaria n_{mín [estática]}.
- Motón de gancho necesario G_{mín [estática]}.

1.4 Paso 4: Determinación de la colocación de cable mínima del cable de elevación para un peso seguro de la carga del controlador de cargas LICCON (n_{min [peso de la carga]})



Nota

- Determinar la colocación del cable necesaria para un peso seguro de la carga del controlador de cargas LICCON, véase cuaderno de tablas de cargas capítulo 40.40.
- Determinar los ramales mínimos del cable de elevación n_{min [peso de la carga]}

Resultado:

- Colocación del cable necesaria n_{mín [pesar la carga]}.
- 1.5 Paso 5: Determinación de la colocación de cable mínima del cable de elevación para el servicio paralelo (n_{min (servicio paralelo)})



Nota

- Determinar la colocación del cable de elevación necesaria para el servicio paralelo, véase cuaderno de tablas de cargas capítulo 40.40.
- Determinar los ramales mínimos del cable de elevación n_{min [servicio paralelo]}

Resultado:

- Colocación del cable necesaria n_{mín [servicio paralelo]}.
- 1.6 Paso 6: Determinación de la colocación de cable mínima del cable de elevación (n) y del peso mínimo del motón de gancho (G), que tiene que ser utilizado para elevar la carga



Nota

- ▶ Después de determinar los ramales mínimos del cable de elevación y los pesos mínimos de los motones de gancho para los criterios límites (n_{min [tablas de colocación]}, n_{min [estático]}, G_{min [estático]}, n_{min [peso de la carga]}, n_{min [servicio paralelo]}) se tiene que determinar la mayor colocación de cable mínima del motón de gancho y el peso mínimo del motón de gancho.
- ▶ Determinar la mayor colocación de cable mínima del cable de elevación n_{min} de los ramales mínimos determinados del cable de elevación (n_{min [tablas de colocación]}, n_{min [sestático]}, n_{min [peso de la carga]}, n_{min [servicio paralelo]}).
- ▶ Determinar el mayor peso mínimo del motón de gancho G_{min} de los pesos mínimos determinados del motón de gancho (G_{min [estático]}).

Resultado:

- Colocación del cable de elevación mínima necesaria n_{min}.
- Peso mínimo necesario de los motones de gancho G_{min}.
- Estos valores se tienen que utilizar para elevar la carga.

40.50 Reducciones de capacidad de carga

1	Reducción de la capacidad portante con la nariz montada	3
2	Reducción de carga con barras de arriostramiento montadas	3
 3	Reducción de carga con juego de poleas adicional	4

LWE//418100-04-10/es

Fig.195219

1 Reducción de la capacidad portante con la nariz montada



Nota

Las cargas señaladas son válidas para el servicio de grúa en la pluma principal o pluma adicional sin nariz montada.

Si en el servicio de grúa con modos de funcionamiento sin nariz esta está montada, se reducen las cargas en los siguientes puntos:

- El peso de la nariz
- El peso del cable de elevación que se encuentra reenviado en la nariz
- El peso de los elementos elevadores de carga (eslingas) utilizados en la nariz
- El peso de los elementos elevadores de carga (eslingas) y de detención en el cabezal de pluma



Nota

Para el servicio de grúa en la nariz con la carga máxima de 36 t no existe ninguna tabla de cargas adjunta. Valen las tablas de cargas de los tipos de servicio de la pluma principal y adicional con las siguientes reducciones:

- ► El peso de la nariz
- ▶ El peso del cable de elevación que se encuentra reenviado en la nariz
- ▶ El peso de los elementos elevadores de carga (eslingas) y de detención utilizados en la nariz
- ▶ El peso de los elementos elevadores de carga (eslingas) utilizados en el cabezal de pluma

2 Reducción de carga con barras de arriostramiento montadas



Nota

- Las cargas indicadas son válidas sin considerar las barras de arriostramiento montadas.
- Si las barras de arriostramiento están montadas, la carga posible se reduce.
- ► La reducción de carga depende del peso y del centro de gravedad de las barras de arriostramiento y del ángulo de pluma.

La reducción de carga se calcula simplemente de la longitud de pluma y el peso métrico de las barras de arriostramiento:

Reducción de carga = 0.5 x longitud de pluma x peso métrico de las barras de arriostramiento

Ejemplo de cálculo para servicio de grúa en la pluma principal con barras de arriostramiento colocadas desde el caballete WA 2:

- Longitud de la pluma: 90 m
- Peso métrico de las barras de arriostramiento: 0.120 t/m
- Reducción de la carga (0.5 x 90 m x 0.120 t/m): aprox. 5.4 t

3 Reducción de carga con juego de poleas adicional



Nota

Existen 2 juegos de rodillos que pueden montarse juntos o individualmente en la extensión de cabezal SW. Para el cálculo de las tablas de carga es decisiva la configuración de la pluma correspondiente, véase la tabla "Configuraciones de la pluma para el cálculo de las tablas de carga".

- ► Si hay montado un juego de poleas adicional diferente al indicado en la configuración de la pluma, se deberá reducir la carga a su propio peso.
- ▶ El cabezal de conexión W puede operar con uno de los dos juegos de rodillos.



ADVERTENCIA

¡Peso no autorizado de la pasteca debido a juego de poleas adicional! Peligro de vuelco de la grúa, fallo de las estructuras de la grúa.

Muerte o lesiones graves, altos daños materiales.

Si durante el levantamiento y descenso del sistema de la pluma hay instalado un juego de poleas adicional al previsto:

▶ Reducir el peso de la pasteca al peso propio del juego de poleas adicional.

Juego de poleas	Peso propio
320 t	1.5 t
300 t	1.4 t

Peso propio de los juegos de poleas

Pluma	Modos de servicio	Cabezal de pluma
S, HS sin pluma auxiliar	S, SD, HSD	Cabezal SW con juegos de poleas de 320 t + 300 t
S, SL con punta auxiliar HS- 3.0 m	SHS, SLHS	Cabezal SW con juego de poleas de 320 t
S, HS con pluma auxiliar	SW, SDW, SDWV, SWF, HSDW, HSDWV	Cabezal de conexión W con juego de poleas de 300 t
SL, SL2, SL9, SL11, SL14, HSL, HSL2	SL, SLF, SLD, SL2D, SL2DF, SL9, SL11D, SL14D, HSLD, HSL2D, HSL2DF	Cabezal SW con juego de poleas de 320 t
SL3, SL4, SL8, SL10, SL13, HSL4	SL3F, SL4DF, SL8F3, SL10DF, SL13DF, HSL4DF	Cabezal de conexión F
W	SW, SDW, SDWV, SWF, HSDW, HSDWV	Cabezal SW con juego de poleas de 320 t
F, F3	SLF, SWF, SL2DF, SL3F, SL4DF, SL8F3, SL10DF, SL13DF, HSL2DF, HSL4DF	Cabezal F

Configuraciones de pluma para el cálculo de las tablas de carga

40.55 Velocidad de giro de la superestructura

Velocidad de giro máxima autorizada con la carga nominal enganchada

3

LWE//418100-04-10/es

1 Velocidad de giro máxima autorizada con la carga nominal enganchada



ADVERTENCIA

¡Rebasamiento de la velocidad de giro máxima autorizada! Peligro de vuelco de la grúa, fallo de las estructuras de la grúa. Muerte o lesiones graves, altos daños materiales.

► Cumplir con la velocidad de giro máxima permitida.

Modo de servicio	Cantidad de mecanis- mos giratorio	Velocidad de giro autorizada	
		LICCON	n.d.r.
	1	5 %	0.05 min ⁻¹
Todos los modos de servicio	2	5 %	0.05 min ⁻¹
33.1.6.0	3	5 %	0.04 min ⁻¹

¡Página vacía!

40.60 Sistema de la pluma

1	1 Breve descripción de los elementos			
2	Combinación de los grupos constructivos para los modos de servicio	4		

LWE//418100-04-10/es

1 Breve descripción de los elementos

1.1 Pluma principal

Señales	Descripción			
S	Pluma principal, versión pesada			
SL	Pluma principal, versión mixta			
SL2	Pluma principal, versión mixta, variante 2			
SL	Pluma principal, versión mixta, variante 3			
SL4	Pluma principal, versión mixta, variante 4			
SL8	Pluma principal, versión mixta, variante 8			
SL9	Pluma principal, versión mixta, variante 9			
SL10	Pluma principal, versión mixta, variante 10			
SL11	Pluma principal, versión mixta, variante 11			
SL13	Pluma principal, versión mixta, variante 13			
SL14	Pluma principal, versión mixta, variante 14			
HS	Pluma principal reforzada, versión pesada			
HSL	Pluma principal reforzada, versión mixta			
HSL2	Pluma principal reforzada, versión mixta, variante 2			
HSL3	Pluma principal reforzada, versión mixta, variante 3			
HSL4	SL4 Pluma principal reforzada, versión mixta, variante 4			

1.2 Pluma adicional

1.2.1 Accesorio fijo

Señales	Descripción	
F	Plumín de celosía fijo	
F3	Plumín de celosía fijo, tensado con cables de anclaje de fibra	
Н	Nariz	



Nota

▶ Para las narices con sistema propio de peso, no existen a parte ninguna tabla de cargas.

1.2.2 Accesorio móvil

Señales	Descripción	
W	Plumín de celosía abatible, versión pesada	
WV	Plumín de celosía, versión pesada, a un ángulo fijo en relación a la pluma principal	



ADVERTENCIA

¡Mal uso de la grúa!

Peligro que la grúa se vuelque.

Muerte o lesiones graves, altos daños materiales.

▶ Bascular solamente la pluma principal y el plumín de celosía abatible sucesivamente.

1.3 Pluma Derrick

Señales	Descripción
D	Pluma Derrick

1.4 Contrapeso Derrick

Señales	Descripción		
В	Contrapeso flotante sin guía		
B2	Contrapeso flotante con guía		
В3	Exclusivamente para el levantamiento/descenso del sistema de pluma con un LTR 1220 como contrapeso Derrick, véase cuaderno de tablas de cargas, capítulo 40.62.20.		
B4	Exclusivamente para el levantamiento/descenso del sistema de pluma con un LTR 1220 como contrapeso Derrick, véase cuaderno de tablas de cargas, capítulo 40.62.20.		
BW	Carro de contrapeso		

2 Combinación de los grupos constructivos para los modos de servicio

Los grupos constructivos del sistema de pluma pueden combinarse de acuerdo a los modos de servicio, véase cuaderno de tablas de cargas capítulo 40.62.



Nota

Este cuaderno de tablas de cargas capítulo contiene tablas de cargar para determinados modos de servicio. Vista global de los modos de servicio correspondientes, véase cuaderno de tablas de cargas capítulo 40.90.

40.62 Modos de servicio

1	Datos de los modos de servicio en las tablas de cargas	3
2	Modos de servicio con la pluma principal	3
3	Modos de servicio con pluma adicional	4
4	Modos de funcionamiento para servicio de la grúa en la pluma principal con pluma adicional montada	7
5	Modos de servicio con varias pastecas	 7

1011588-02

LWE//418100-04-10/es

1 Datos de los modos de servicio en las tablas de cargas

Los modos de servicio se indican en un símbolo de dos partes. ¡Los datos especificados en la tabla son sólo ejemplos y no corresponden del todo con las de su grúa!

Símbolo de modos de servicio

Lado izquierdo del símbolo = Modo de servicio Pluma principal

Datos posibles:

- Pluma principal
- Ángulo de la pluma principal
- Longitud de la pluma principal
- Longitud del caballete SA
- Peso de la pasteca
- Inclinación del suelo
- Limitación/Nota
- Pluma Derrick
- Longitud de la pluma Derrick
- Ángulo de la pluma Derrick
- Radio de la grúa

Lado derecho del símbolo = Modo de servicio Pluma adicional

Datos posibles:

- Pluma adicional
- Ángulo de la pluma adicional
- Longitud de la pluma adicional
- Peso de la pasteca
- Limitación/Nota
- Radio del contrapeso Derrick



Nota

▶ Los valores en la mitad izquierda y mitad derecha del símbolo de los modos de servicio de la tabla de cargas correspondiente, deberán concordar exactamente con los ajustes seleccionados en el Controlador de cargas LICCON.

2 Modos de servicio con la pluma principal

Ejemplos:

Símbolo de modos de servicio		Modo de ser- vicio	Descripción	
			Lado izquierdo	
	s		s	Pluma principal, versión pesada
	48m		48 m	Longitud de la pluma principal

	Símbolo de i servicio	modos de	Modo de ser- vicio	Descripción
1			Lado izquierdo	
	2° SL 90m		2°	Inclinación máxima del suelo autorizada
			SL	Pluma principal, versión mixta
			90 m	Longitud de la pluma principal

Símbolo de modos de servicio		Modo de ser- vicio	Descripción
		Lado izquierdo	
HSD 48m		HSDB	Pluma principal reforzada, versión pesada con pluma Derrick y contrapeso flotante sin guía
7011		48 m	Longitud de la pluma principal

3 Modos de servicio con pluma adicional

3.1 Modos de servicio con pluma adicional con accesorio fijo

Ejemplos:

Símbolo de modos de servicio		Modo de ser- vicio	Descripción	
		Lado izquierdo		
SL4DBW	F 32°	SL4DBW	Pluma principal, versión mixta, variante 4 con pluma Derrick y carro de contrapeso	
78m	18m	78 m	Longitud de la pluma principal	
			Lado derecho	
		F	Plumín de celosía fijo	
		32°	Plumín de celosía fijo montado en un ángulo de 32° en relación a la pluma principal.	
		18 m	Longitud del plumín de celosía fijo	

	Símbolo de l servicio	modos de	Modo de ser- vicio	Descripción
1			Lado izquierdo	
	SL10DB2 1) 147m	F12m 16° yy=20.0m	SL10DB2	Pluma principal, versión mixta, variante 10 con pluma Derrick y contrapeso flotante con guía
	1, 147111	yy 20.0III	1)	Limitación/nota, véase el cuaderno de tablas de cargas, el cap. 40.65.10
			147 m	Longitud de la pluma principal
			Lado derecho	
			F	Plumín de celosía fijo
			12 m	Longitud del plumín de celosía fijo
			16°	Plumín de celosía fijo montado en un ángulo de 16° en relación a la pluma principal.
			yy= 20.0 m	Radio del contrapeso Derrick

3.2 Modos de servicio Pluma adicional con accesorio móvil



ADVERTENCIA

¡Mal uso de la grúa!

Peligro que la grúa se vuelque.

Muerte o lesiones graves, altos daños materiales.

▶ Bascular solamente la pluma principal y el plumín de celosía abatible sucesivamente.

Ejemplos:

Símbolo de modos de servicio		Modo de ser- vicio	Descripción	
1			Lado izquierdo	
	xx° S 36m	W 24m	xx°	La pluma principal está en un ángulo fijo en relación a la horizontal. El ángulo se indica en la respectiva tabla de cargas en la línea xx.
1			S	Pluma principal, versión pesada
			36 m	Longitud de la pluma principal
			Lado derecho	
			W	Plumín de celosía abatible, versión pesada
			24 m	Longitud del plumín de celosía abatible

Símbolo de modos de servicio		Modo de ser- vicio	Descripción
		Lado izquierdo	
SDB	WV xx°	SDB	Pluma principal, versión pesada con pluma Derrick y contrapeso flotante sin guía
84m	12m	84 m	Longitud de la pluma principal
		Lado derecho	
		WV	Plumín de celosía, versión pesada, a un ángulo fijo en relación a la pluma principal
		xx°	El plumín de celosía está en un ángulo fijo en relación a la pluma principal. El ángulo se indica en la respectiva tabla de cargas en la línea xx.
		12 m	Longitud del plumín de celosía

Símbolo de modos de servicio		Modo de ser- vicio	Descripción
		Lado izquierdo	
xx° S 42m	W54m F36m 26°	xx°	La pluma principal está en un ángulo fijo en relación a la horizontal. El ángulo se indica en la respectiva tabla de cargas en la línea xx.
		S	Pluma principal, versión pesada
		42 m	Longitud de la pluma principal
		Lado derecho	
		W	Plumín de celosía abatible, versión pesada
		54 m	Longitud del plumín de celosía abatible
		F	Plumín de celosía fijo
		36 m	Longitud del plumín de celosía fijo
		26°	Punta fija en celosía montada a un ángulo de 26° en relación a la punta en celosía basculable.

4 Modos de funcionamiento para servicio de la grúa en la pluma principal con pluma adicional montada

Para el servicio de grúa en la pluma principal con la pluma adicional montada existen modos de servicio especiales. Para estos modos de servicio se representa entre corchetes el modo de servicio de la pluma principal.



ADVERTENCIA

¡Mal uso de la grúa!

Peligro de vuelco de la grúa, fallo de las estructuras de la grúa.

Muerte o lesiones graves, altos daños materiales.

Si se representa entre corchetes un modo de servicio de la pluma principal:

► Elevar la carga exclusivamente en la pluma principal.

Ejemplos:

Símbolo de modos de servicio		Modo de ser- vicio	Descripción
		Lado izquierdo	
(S)SL2DB 102m	F 31° 12m 5.5t	(S)SL2DB	Pluma principal, versión mixta, variante 2 con pluma Derrick y contrapeso flotante sin guía Contrapeso en la pluma principal.
		102 m	Longitud de la pluma principal
		Lado derecho	
		F	Plumín de celosía fijo
		31°	Plumín de celosía fijo montado en un ángulo de 31° en relación a la pluma principal.
		12 m	Longitud del plumín de celosía fijo
		5.5 t	Peso de la pasteca que debe encontrarse en la pluma adicional.

5 Modos de servicio con varias pastecas

En algunos modos de servicio se indica el peso de la pasteca en el que no está enganchado ninguna carga.



ADVERTENCIA

¡Mal uso de la grúa!

Peligro de vuelco de la grúa, fallo de las estructuras de la grúa.

Muerte o lesiones graves, altos daños materiales.

Si se indica un peso de pasteca en el símbolo de modos de servicio:

Montar la pasteca con el peso especificado en la pluma correspondiente.

Deberá diferenciarse 2 casos:

- Peso de pasteca en la pluma adicional con el servicio de grúa en la pluma adicional
- Peso de pasteca en la pluma adicional con el servicio de grúa en la pluma principal

5.1 Peso de pasteca en la pluma adicional con el servicio de grúa en la pluma adicional

Ejemplos:

		Modo de ser- vicio	Descripción
		Lado izquierdo	
SL2DB	F 13°	SL2DB	Pluma principal, versión mixta, variante 2 con pluma Derrick y contrapeso flotante sin guía.
8.5t102m	24m	8.5 t	Peso de la pasteca que debe encontrarse en la pluma principal.
		102 m	Longitud de la pluma principal
		Lado derecho	
		F	Plumín de celosía fijo
		13°	Plumín de celosía fijo montado en un ángulo de 13° en relación a la pluma principal.
		24 m	Longitud del plumín de celosía fijo

5.2 Peso de pasteca en la pluma adicional con el servicio de grúa en la pluma principal



ADVERTENCIA

¡Mal uso de la grúa!

Peligro de vuelco de la grúa, fallo de las estructuras de la grúa.

Muerte o lesiones graves, altos daños materiales.

Si se representa entre corchetes un modo de servicio de la pluma principal:

► Elevar la carga exclusivamente en la pluma principal.

Ejemplos:

Símbolo de modos de servicio		Modo de ser- vicio	Descripción
		Lado izquierdo	
(S)SL2DB 102m	F 31° 12m 5.5t	(S)SL2DB	Pluma principal, versión mixta, variante 2 con pluma Derrick y contrapeso flotante sin guía Contrapeso en la pluma principal.
		102 m	Longitud de la pluma principal
		Lado derecho	
		F	Plumín de celosía fijo
		31°	Plumín de celosía fijo montado en un ángulo de 31° en relación a la pluma principal.
		12 m	Longitud del plumín de celosía fijo
		5.5 t	Peso de la pasteca que debe encontrarse en la pluma adicional.

40.62.20 Modos de servicio de montaje

1	Montaje y desmontaje del porta orugas con caballete SA	3
2	Levantamiento y descenso del sistema de pluma con LTR 1220	3
3	Levantamiento y descenso con contrapeso reducido	4

LWE//418100-04-10/es

Fig.195219

1 Montaje y desmontaje del porta orugas con caballete SA



ADVERTENCIA

¡Incumplimiento de las instrucciones de montaje!

Vuelco de la grúa, caída y balanceo de los componentes de la grúa.

Muerte, lesiones graves, daños materiales.

- Observar y respetar las instrucciones para el montaje y el desmontaje del porta orugas con caballete SA, véase capítulo 3.01 del manual de instrucciones de la grúa.
- ▶ Antes del montaje y el desmontaje, seleccionar el modo de servicio de montaje correspondiente.

	Símbolo de modos de servicio		Modo de ser- vicio	Descripción
-			Lado izquierdo	
	SA		SA	Modo de servicio de montaje con caballete SA
	10.5m	(SA)	10.5 m	Longitud del caballete SA
'				

Modo de servicio de montaje para el montaje y el desmontaje del porta orugas con caballete SA

2 Levantamiento y descenso del sistema de pluma con LTR 1220

Para el levantamiento y el descenso de sistemas de pluma más largos se necesita un peso de contrapeso Derrick de hasta 350 t. Este peso necesario se puede reducir o compensar completamente utilizando un LTR 1220 como contrapeso Derrick.



ADVERTENCIA

¡Incumplimiento de las instrucciones de montaje!

Peligro de vuelco de la grúa, fallo de las estructuras de la grúa.

Muerte, lesiones graves, daños materiales.

- Observar y respetar las instrucciones de montaje para levantar y descender el sistema de pluma con una LTR 1220 como contrapeso Derrick, véase el manual de instrucciones de la grúa, capítulo 5.34.
- ▶ Antes del levantamiento y el descenso, seleccionar el modo de servicio de montaje correspondiente.

Símbolo de modos de servicio		Modo de ser- vicio	Descripción	
1			Lado izquierdo	
	SLxDB3	SFXX XX°	SLxDB3	Pluma principal, versión mixta con pluma Derrick y una
	XXm	yy=22.0m		LTR 1220 como contrapeso Derrick. El modo de servicio es válido para todas las variantes de la pluma SL.
			XXm	El modo de servicio es válido para todas las longitudes de pluma principal elevables.
			Lado derecho	
			SF	punta fija en celosía en pluma SL
			XX	El modo de servicio es válido para todas las longitudes elevables de punta fija en celosía.
			XX°	Punta fija en celosía montada en un ángulo elevable en relación a la pluma principal.
			yy= 22.0 m	Radio del contrapeso Derrick

Modo de servicio de montaje para levantar y descender el sistema de pluma con una LTR 1220 como contrapeso Derrick

3 Levantamiento y descenso con contrapeso reducido

Existen tablas de levantamiento / descenso con contrapeso reducido para las que no hay tablas de carga. El levantamiento y el descenso deben efectuarse con el modo de montaje correspondiente.



ADVERTENCIA

¡Mal uso de la grúa!

Peligro de vuelco de la grúa, fallo de las estructuras de la grúa.

Muerte, lesiones graves, daños materiales.

- ▶ Antes del levantamiento y el descenso, seleccionar el modo de servicio de montaje correspondiente.
- ▶ Observar y cumplir las tablas de levantamiento y descenso.

		Modo de ser- vicio	Descripción
f		Lado izquierdo	
SL13DB M 3) xxm	F 11° 12m	SL13DB M	Modo de funcionamiento de montaje: pluma principal, versión mixta, variante 13 con pluma Derrick y contrapeso flotante.
		3)	Limitación/nota, véase el cuaderno de tablas de cargas, el cap. 40.65.10
		xxm	El modo de servicio es válido para todas las longitudes de pluma principal elevables.
		Lado derecho	
		F	Plumín de celosía fijo
		11°	Plumín de celosía fijo montado en un ángulo de 11° en relación a la pluma principal.
		12 m	Longitud del plumín de celosía fijo

Modo de servicio de montaje para levantar y descender con contrapeso reducido

¡Página vacía!

40.65 Descripción de la tabla de cargas

1	Descripción de la tabla de cargas	3
2	Explicación de los símbolos	4

Fig.149249: Ejemplo de una tabla de cargas



ADVERTENCIA

¡Mal uso de la grúa!

Peligro de vuelco de la grúa, fallo de las estructuras de la grúa.

Muerte, lesiones graves, daños materiales.

- ▶ Ajustar exactamente el controlador de cargas LICCON con los datos de la tabla de cargas correspondientes.
- ► Están prohibidos los trabajos fuera del estado permitido del equipo, de las cargas y áreas de giro permitidas según la tabla de cargas.
- Mover el sistema de la pluma en el servicio de montaje solo dentro de las zonas permitidas.

¡Las especificaciones de la tabla de cargas son a modo de ejemplo y no tienen por qué coincidir con las de su grúa!

- 1 Estándar
- 2 Símbolo de longitud de pluma principal
 - Longitud de la pluma principal 2.1 en metros (m) o pies (ft)
- 3 Unidades de medida
 - Unidades de longitud en metros (m) o pies (ft)
 - Unidades de peso en toneladas (t) o libras (lb)
- 4 Tipo de cable de elevación y diámetro de cable
 - Indica qué "tabla Reenvío del cable de elevación" se debe aplicar
 - · Nota: Solo en determinados modelos de grúa
- 5 Código abreviado
 - · Describe de forma abreviada el modo de servicio / estado de equipo ajustado
- 6 Símbolo de modos de servicio
 - Especificación de los modos de servicio, véase cuaderno de tablas de cargas capítulo 40.62
- 7 Número de tablas
 - Se muestra arriba en la tabla o bien en la última línea de la tabla
- 8 Número de organización
 - · Para administración interna de la tabla de cargas de LIEBHERR
- **9** Valores de cargas
 - Valores de capacidad de carga en toneladas (t) o libras (lb)
- 10 Tipo de grúa/Número de grúa
- 11 Símbolo de radio de pluma
 - Radio de pluma 11.1 en metros (m) o pies (ft)
- 12 Reenvío del cable de elevación
 - En esta línea se indica el número de ramales de cable de elevación
- 13 Ángulo de pluma principal / ángulo de pluma adicional
 - En esta línea se indica el ángulo de pluma correspondiente en grados (°)
- 14 Radio del contrapeso Derrick
 - En esta línea se indican los radios del contrapeso Derrick en metros (m) o pies (ft)
- 15 Contrapeso Derrick
 - En esta línea se indican los contrapesos Derrick en toneladas (t) o libras (lbs)
- 16 Velocidad del viento
 - En esta línea se indica la velocidad de viento máxima permitida en metros por segundo (m/s) o pies por segundo (ft/s)
- 17 Línea de símbolos de las teclas de función
- 18 Indicación de página de todas las tablas de cargas
 - Número de páginas actual y número de páginas total de todas las tablas de cargas
- 19 Indicación de página de la tabla de cargas actual
 - Número de páginas actual y número de páginas total de la tabla de cargas actual

2 Explicación de los símbolos

Radio de trabajo

El radio de pluma (radio de trabajo) es la distancia horizontal medida en el suelo entre la pasteca y el eje giratorio de la superestructura en metros (m) o pies (ft).



Símbolo para los modos de servicio Pluma principal



Símbolo para los modos de servicio Pluma principal con pluma Derrick



Símbolo para los modos de servicio Pluma principal con pluma Derrick y contrapeso Derrick



Símbolo para los modos de servicio Pluma adicional con accesorio fijo



Símbolo para los modos de servicio Pluma adicional con accesorio fijo y pluma Derrick



Símbolo para los modos de servicio Pluma adicional con accesorio fijo, pluma Derrick y contrapeso Derrick



Símbolo para los modos de servicio Pluma adicional con accesorio móvil



Símbolo para los modos de servicio Pluma adicional con accesorio móvil y pluma Derrick



Símbolo para los modos de servicio Pluma adicional con accesorio móvil, pluma Derrick y contrapeso Derrick

Longitud de la pluma principal



En la fila por debajo de este símbolo están introducidas las diferentes longitudes de la pluma principal en metros (m) o pies (ft).

Reenvío del cable de elevación

* n *

En la línea correspondiente se indica el número de ramales de cable de elevación. Con el número indicado de ramales de cable de elevación se alcanza la carga máxima de la columna de tabla correspondiente.

Si un valor de carga es mayor al valor indicado en la columna de la tabla con el reenvío máximo posible, entonces aparece indicado en el número de reenvío la marca "!". Si se muestra la marca "!", es necesario un dispositivo especial para elevar la carga correspondiente.

Ángulo de pluma principal / ángulo de pluma adicional

XX

En la línea correspondiente se indica el ángulo de la pluma principal o el ángulo de la pluma adicional en grados (°). El ángulo tiene que estar ajustado para poder llegar a los valores de carga de la tabla correspondiente. El símbolo se muestra solo en los modos de servicio con pluma adicional.

Los ángulos correspondientes se indican en la fila xx de las tablas de cargas debajo de los valores de carga.

Radio del contrapeso Derrick

уу

En la línea correspondiente se indica el radio del contrapeso Derrick en metros (m) o pies (ft). El radio del contrapeso Derrick indicado debe estar ajustado para poder llegar a los valores de carga de la tabla correspondiente. El símbolo aparece solo en los modos de servicio con contrapeso Derrick.

El radio del contrapeso Derrick es la distancia horizontal del contrapeso Derrick desde el eje de giro de la superestructura.

Los radios correspondientes se indican en la fila xx de las tablas de carga debajo de los valores de carga.

Contrapeso Derrick

ZZ

En la línea correspondiente se indica la dimensión del contrapeso Derrick en toneladas (t) o libras (lbs). El contrapeso Derrick indicado debe estar elevado para poder llegar a los valores de carga de la tabla correspondiente. El símbolo aparece solo en los modos de servicio con contrapeso Derrick.

Los pesos correspondientes se indican en la fila zz de las tablas de carga debajo de los valores de carga.

Velocidad de viento autorizado



En la línea correspondiente se indica la velocidad de viento máxima permitida en metros por segundo (m/s) o pies por segundo (ft/s). La velocidad de viento máxima autorizada depende del modo de servicio y del estado de equipo. Si la velocidad del viento sobrepasa el valor indicado, se tiene que ajustar el servicio de la grúa y depositar el equipo de la grúa.

Nota:

La velocidad de viento máxima permitida se refiere a la velocidad de ráfagas de 3 segundos en la máxima altura de elevación.

Contrapeso



En este símbolo se indica la magnitud del peso del contrapeso en toneladas (t) o libras (lbs). El contrapeso indicado tiene que encontrarse en la plataforma giratoria, para poder llegar a los valores de carga de la tabla correspondiente.

Combinaciones de lastre



En este símbolo se indican diferentes combinaciones de contrapeso. En la siguiente tabla se puede ver la composición de las combinaciones de lastre. Para obtener los valores de la tabla de cargas correspondientes, los contrapesos indicados y el contrapeso central de la respectiva combinación de lastre deben estar montados en la posición respectiva.

Grúa sobre viga de orugas y contrapeso central



En este símbolo se indica la magnitud del contrapeso central en el tren de rodaje sobre orugas en toneladas (t) o libras (lbs). El contrapeso central indicado debe encontrarse en el tren de rodaje sobre orugas para que se puedan alcanzar los valores de carga de la tabla correspondiente.

Tren de rodaje sobre orugas para el servicio de grúa "Grúa sobre viga de orugas"

Grúa estabilizada



Este símbolo indica el tipo y el tamaño de la base de apoyo. El tamaño de la base de apoyo (longitud x anchura) está indicado en metros (m) o pies (ft).

La grúa debe estar apoyada sobre los cuatro estabilizadores. Los largueros de apoyo tienen que estar girados hacia afuera y extendidos a la medida indicada.

Base de apoyo para el servicio de grúa "Grúa estabilizada".

Contrapeso Derrick y radio del contrapeso Derrick



En este símbolo se indica el contrapeso Derrick y el radio del contrapeso Derrick. El símbolo aparece con los modos de servicio con contrapeso Derrick en vez del símbolo de campo de giro. El campo de giro autorizado del chasis superior es con este modo de servicio de 360°.

zz = Contrapeso Derrick en toneladas (t) o libras (lbs)

yy = Radio del contrapeso Derrick en metros (m) o pies (ft)

Los valores correspondientes se indican en las tablas de carga debajo de los valores de carga.

Área de giro



En este símbolo se ha especificado el área de giro de la superestructura de la grúa para la tabla de cargas correspondiente. Pueden ser diferentes áreas de giro posibles. Si pueden ser diferentes áreas de giro posibles, entonces éstas se verán reflejadas en la tabla siguiente.

Área de giro	Descripción
360°	Giro ilimitado posible

¡Página vacía!

40.65.10 Limitaciones e indicaciones

Limitaciones e indicaciones en las tablas de cargas

3

LWE//418100-04-10/es

1 Limitaciones e indicaciones en las tablas de cargas



ADVERTENCIA

¡Incumplimiento de las limitaciones e indicaciones en las tablas de cargas! Peligro de vuelco de la grúa, fallo de las estructuras de la grúa.

Muerte o lesiones graves, altos daños materiales.

► Cumplir las limitaciones e indicaciones.



Nota

▶ Parcialmente se indican las limitaciones e indicaciones en determinados modos de servicio. Las limitaciones e avisos se señalan con un indicador (signos, cifras o letras) en los símbolos de modos de servicio. Los indicadores correspondientes se explican a continuación.

1.1 Indicador: 1)



Nota

Si el cable de elevación para la elevación está colocado para la carga máxima:

▶ La pasteca no puede descender hacia el suelo.

I	Indicador 1)		Descripción
	SL10DB2	F12m 16°	En caso de reenvío del cable de elevación para la carga máxima, la pasteca no alcanza el suelo.
	1) 147m	yy=20.0m	

1.2 Indicador: 2)



ADVERTENCIA

¡Levantamiento / descenso defectuoso del sistema de la pluma!

Peligro de vuelco de la grúa, fallo de las estructuras de la grúa.

Muerte, lesiones graves, daños materiales.

▶ Realizar el levantamiento / descenso del sistema de pluma tal como se describe en el manual de servicio con las tablas de levantamiento y descenso.

Indicador 2)		Descripción
SL13DB 2) 153m	F 16° 12m	El levantamiento / descenso del sistema de pluma debe realizarse con el contrapeso Derrick "B2".

1.3 Indicador: 3)



ADVERTENCIA

¡Mal uso de la grúa!

Peligro de vuelco de la grúa, fallo de las estructuras de la grúa.

Muerte, lesiones graves, daños materiales.

- ▶ Utilizar los modos de funcionamiento con identificador 3) únicamente para el levantamiento/ descenso del sistema de pluma.
- ▶ Observar y cumplir las tablas de levantamiento y descenso.

Antes de colocar el lastre del contrapeso al lastre nominal de la tabla de cargas:

Ajustar el sistema de pluma a la posición de servicio correspondiente más inclinada.

Antes de retirar el lastre del contrapeso al contrapeso necesario de la tabla de descenso:

▶ Ajustar el sistema de pluma a la posición de servicio correspondiente más inclinada.

Indicador 3)		Descripción
SL13DB M 3) xxm	F 11°	Este modo de funcionamiento de montaje se usa únicamente para el levantamiento/descenso del sistema de pluma con contrapeso reducido.

1.4 Indicador: 4)

- no activo

1.5 Indicador: 5)



ADVERTENCIA

¡Inclinación transversal permitida superada!

Peligro de vuelco de la grúa, fallo de las estructuras de la grúa.

Muerte, lesiones graves, daños materiales.

► Tener en cuenta y respetar la inclinación transversal máxima permitida al desplazarse en estado equipado. Véase el manual de instrucciones por separado "Desplazamiento en estado de equipo montado".

	Descripción
-	En estos modos de servicio se debe tener en cuenta la inclinación transversal reducida al desplazarse en estado equipado.

40.65.40 Inclinación de la grúa

1 Inclinación máxima autorizada de la grúa

3

LWE//418100-04-10/es

1 Inclinación máxima autorizada de la grúa

Las inclinaciones señaladas en el cuaderno de tablas de cargas valen para el servicio de la grúa con la tabla de cargas seleccionada.



ADVERTENCIA

¡Rebasamiento de la inclinación máxima autorizada! Vuelco de la grúa, fallo de las estructuras de la grúa. Muerte o lesiones graves, altos daños materiales.

Mantener la inclinación máxima autorizada de la grúa.

Modo de servicio	Inclinación máxima autorizada de la grúa
Sobre orugas	0.3°
Sobre estabilizadores	0.0°

¡Página vacía!

40.70 Influencia del viento en la operación de la grúa

1	Definición	2
2	Influencia del viento en el controlador de cargas LICCON	3
3	Velocidad de viento autorizado y cálculo de la superficie de ataque del viento de la carga	4

1 Definición

En la tabla siguiente figuran los términos, símbolos y unidades más importantes con relación a las influencias del viento durante el servicio de grúa.



Nota

- ► Familiarícese con los términos. Para determinar y calcular la velocidad del viento autorizada, se debe conocer la magnitud de las influencias.
- ▶ Diríjase a Liebherr-Werk Ehingen GmbH si necesita más información sobre la influencia del viento en el servicio de grúa.

Señales	Unidad	Denominación	Definición
A _P	[m²]	Superficie de proyección	Superficie determinante para el cálculo de la superficie de embestida del viento, vertical en relación al flujo de entrada.
C _W		Coeficiente de resistencia al viento	Valor para el arrastre de un cuerpo en resistencia al viento.
A _w	[m²]	Superficie de embestida del viento	Superficie de embestida del viento = Superficie de proyección x coeficiente de resistencia del viento
			$A_{w} = A_{P} \times C_{w}$
m _T	[t]	Carga	Valor individual tomado de la tabla de cargas.
m _H	[t]	Carga de elevación	Peso por elevar (Masa) (incluye elementos de detención, pasteca y eventualmente parte del cable de elevación no considerado todavía en el cálculo). La carga de elevación podrá alcanzar como máximo aquel valor indicado como máximo en la tabla de cargas.
m _N	[t]	Carga útil	Peso (Masa) del componente por elevar (sin elementos de detención ni pasteca).
v(z)	[m/s]	Velocidad de ráfagas de viento de 3 segundos	Valor promedio resentido en un espacio de 3 segundos a una altura z sobre el nivel del suelo.
V _{max}	[m/s]	Velocidad del viento máxima autorizada	Velocidad de ráfagas de viento máxima autorizada de 3 segundos a una altura de elevación máxima.
V _{max_TAB}	[m/s]	Velocidad de viento máximo autorizado (tabla de cargas)	Velocidad de ráfagas de viento máxima autorizada de 3 segundos a una altura de elevación máxima de acuerdo con la tabla de cargas para los valores de carga.
р	[N/m²]	Presión dinámica	Carga de presión sometido en un cuerpo debido al flujo de entrada del viento.
			Presión dinámica = Densidad /2 x (velocidad ráfaga de viento de 3 segundos) ²
			$p = \rho/2 \times (v(z))^2$
			(ρ = Densidad del aire = 1.25 kg/m³)
F _w	[n]	Cargas sometidas a viento	Influencia de fuerza ejercida en un cuerpo debido al flujo de entrada del viento.
			$F_w = A_w \times p$

Símbolos de fórmulas



2 Influencia del viento en el controlador de cargas LIC-CON

Especialmente en los modos de servicio con sistemas largos de pluma y con la pluma en posición vertical, el sistema de la grúa puede estar sometido a carga o descarga adicional por la influencia del viento. Por consecuencia el valor de la carga visualizada está alterada. El controlador de cargas LIC-CON se puede eventualmente desconectar mucho antes o mucho después.

2.1 Viento por la parte posterior

Si el viento viene por la parte posterior, el sistema de pluma estará sometido a carga adicional. La indicación del valor de carga será demasiada alta. La desconexión del controlador de cargas LICCON ya se produce con una carga de elevación la cual es inferior a la carga máxima.

2.2 Viento por la parte de delante

Si el viento viene por la parte de delante, el sistema de la pluma se descarga. La indicación del valor de carga será demasiada baja. La desconexión del controlador de cargas LICCON se produce con una carga de elevación solo cuando ésta es mayor que la carga máxima.



PELIGRO

¡Peligro de vuelco y peligro de sobrecarga de los componentes portadores de carga! Los vientos por la parte delantera no reducen la carga ejercida en el gancho, cable de elevación, poleas de cable ni cabrestante de elevación. ¡En caso de vientos por la parte delantera, se podría sobrecargar dicho grupo constructivo al elevar la carga hasta llegar a la desconexión del Controlador de cargas LICCON!

Si baja el viento por la parte delantera y si antes se había cargado hasta haberse desconectado el Controlador de cargas LICCON, toda la grúa podrá sobrecargarse.

▶ El gruista debe conocer el peso de la carga de elevación y no debe sobrepasar la carga máxima.

2.3 Viento por la parte lateral

Si el viento viene por la parte lateral, el sistema de pluma estará sometido a carga lateralmente. El indicador de carga es casi el mismo que con el servicio de grúa sin influencia del viento.



PELIGRO

¡Peligro de vuelco y peligro de sobrecarga de los componentes portadores de carga! ¡Si con el servicio de grúa, la velocidad de viento es mayor que aquella máxima autorizada, entonces la grúa se sobrecargará involuntariamente con el viento lateral!

- ▶ El gruista debe conocer el peso de la carga de elevación y no debe sobrepasar la carga máxima.
- ▶ Determinar antes del servicio de grúa la velocidad de viento máximo autorizado y si fuera necesario efectuar el cálculo de la superficie de ataque del viento de la carga.

3 Velocidad de viento autorizado y cálculo de la superficie de ataque del viento de la carga



PELIGRO

¡Velocidad del viento demasiado alta!

Peligro de vuelco y peligro de sobrecarga de los componentes portadores de carga.

Muerte, lesiones graves, daños materiales.

- ▶ El gruista debe informarse antes de iniciar el trabajo a través del Instituto de Meteorología sobre el pronóstico de velocidad del viento. Si se han pronosticado velocidades del viento inadmisibles, está prohibido levantar la carga de elevación.
- ► La velocidad de ráfagas de viento de 3 segundos v(z) en la posición más elevada de la grúa no debe sobrepasar en ningún momento la velocidad de viento máximo autorizado (v_{max}) ni la velocidad de viento máximo autorizado según tabla de cargas (v_{max TAB}).



Nota

- ▶ La velocidad de viento máximo autorizado (v_{max}) y la velocidad de viento máximo autorizado indicada según la tabla de cargas (v_{max_TAB}) se refieren siempre a la velocidad de ráfagas de 3 segundos se producen en la altura el punto más alto de la grúa.
- ▶ Los servicios de información del tiempo atmosférico dan frecuentemente además de la velocidad de las ráfagas de 3 segundos también la velocidad del viento (v_m) en un periodo de tiempo de 10 minutos (la llamada media de 10 minutos). La velocidad de viento se relaciona normalmente al promedio de la velocidad de viento tal como lo es la escala de viento a la escala Beaufort, es decir una velocidad medida en un espacio de tiempo de 10 minutos a una altura de 10 m sobre el nivel del suelo o sobre el nivel del mar.
- ▶ La velocidad de ráfagas de viento de 3 segundos determinante para el cálculo a la altura del punto más elevado de la grúa es muy superior al promedio de velocidad de viento medida en un espacio de 10 minutos a una altura de 10 m sobre el nivel del suelo.

El servicio de grúa de manera general está autorizado hasta llegar a la velocidad de viento máxima autorizada (v_{max TAB}) indicada en la respectiva tabla de cargas para el largo de pluma actual.

Para ello, los requisitos previos son los siguientes:

la superficie de embestida del viento (A_w) de la carga de elevación no es superior a 1.2 m²/t



PELIGRO

¡Velocidad del viento demasiado alta!

Peligro de vuelco y peligro de sobrecarga de los componentes portadores de carga.

- La velocidad de viento máximo autorizado según la tabla de cargas (v_{max, TAB}) no deberá sobrepasarse, incluso si las superficies de embestida del viento (A_w) de la carga de elevación es inferior a 1.2 m²/t.
- ► Si la superficie de embestida del viento (A_w) de la carga de elevación es superior a 1.2 m²/t , la velocidad de viento máximo autorizado (v_{max}) para el estado de carga debe calcularse nuevamente.

3.1 Coeficiente de resistencia al viento (c_w)

Para determinar la velocidad del viento máximo autorizado (v_{max}) es necesario el coeficiente de la resistencia del viento (c_w). El coeficiente de resistencia al viento (c_w) depende de la forma física de la carga de elevación.



Nota

► El coeficiente de la resistencia del viento (c_w) puede consultarse al fabricante de la carga a levantar

En la siguiente tabla se especifican las formas típicas con los coeficientes de resistencia al viento correspondientes (c_w).

Forma	Coeficiente de resistencia al viento c _w	Ejemplos
	1.1 hasta 2.0	Placa, tablón, tablestacado
	0.3 hasta 0.4	Bola, recipiente esférico
	0.6 hasta 1.0	Tubo, silo, depósito de reactor
	0.8 hasta 1.2	Semiesfera
	0.2 hasta 0.3	Semiesfera
	0.05 hasta 0.1	Pala de rotor, rotor completo
	aprox. 1.6	Pala de rotor, rotor completo

Formas con coeficientes de resistencia al viento correspondientes (cw)

3.2 Cálculo de la velocidad del viento máxima autorizada (v_{max})



ADVERTENCIA

¡Velocidad del viento demasiado alta!

Peligro de vuelco de la grúa, fallo de la estructura de la grúa.

Muerte, lesiones graves, daños materiales.

▶ No exceder nunca la velocidad del viento máxima autorizada según tabla de cargas (v_{max_TAB}).

Con los métodos siguientes se puede calcular la velocidad del viento máxima autorizada (v_{max}):

Calcular velocidad de viento máxima autorizada

Determinar velocidad de viento máxima autorizada con diagramas de escala de viento

Si la velocidad del viento máxima autorizada calculada (v_{max}) **es mayor** que la velocidad del viento máxima autorizada según la tabla de cargas ($v_{max TAB}$):

 Servicio de grúa permitido hasta la velocidad del viento máxima autorizada según la tabla de cargas (v_{max_TAB}).

Si la velocidad del viento máxima autorizada calculada (v_{max}) **es menor** que la velocidad del viento máxima autorizada según la tabla de cargas ($v_{max TAB}$):

Servicio de grúa permitido hasta la velocidad del viento máxima autorizada calculada (v_{max}).

3.3 Calcular velocidad de viento máxima autorizada

$$V_{\text{max}} = V_{\text{max_TAB}} \times \sqrt{\frac{1.2 \frac{m^2}{t} \times m_{\text{H}}}{A_{\text{W}}}}$$

Fig.111606: Fórmula para calcular la velocidad de viento máxima autorizada

Para el cálculo se requieren los siguientes datos:

- Velocidad de viento máximo autorizado según tabla de cargas (v_{max TAB})
- Carga de elevación(m_н)
- Superficie de proyección de la carga de elevación (A_P)
- Coeficiente de resistencia al viento (c_w)

Descripción del procedimiento:

- 1. Cálculo de la superficie de embestida del viento $(A_w = A_p \times c_w)$
- 2. Control de si la superficie de embestida del viento (A_w) sobrepasa el valor límite de 1.2 m²/t
- 3. Cálculo de la velocidad de viento máxima autorizada (v_{max})

3.3.1 Ejemplo para calcular la velocidad de viento máxima autorizada

Datos para calcular el estado de carga:

$$v_{max_TAB} = 9.0 \text{ m/s}$$

 $m_H = 50.0 \text{ t}$
 $A_P = 70.0 \text{ m}^2$
 $c_W = 1.4$

Paso 1: Cálculo de la superficie de embestida del viento

$$A_{W} = A_{P} \times c_{W}$$

 $A_{W} = 70.0 \text{ m}^{2} \times 1.4$
 $A_{W} = 98.0 \text{ m}^{2}$

Resultado: La superficie de embestida del viento (A_w) es de: **98.0 m**²

Paso 2: Control de si la superficie de embestida del viento (A_w) sobrepasa el valor límite de 1.2 m²/t

La superficie de embestida del viento por tonelada de carga de elevación es de: $98.0 \text{ m}^2 / 50 \text{ t} = 1.96 \text{ m}^2/\text{t}$

Resultado: La superficie de embestida del viento por tonelada de carga de elevación sobrepasa el valor límite de 1.2 m²/t.

¡La velocidad de viento máxima autorizada debe ser calculada de nuevo!

$$\begin{aligned} & \boldsymbol{V}_{\text{max}} = \boldsymbol{V}_{\text{max_TAB}} \times \sqrt{\frac{1.2 \frac{m^2}{t} \times m_{\text{H}}}{A_{\text{W}}}} \\ & \boldsymbol{V}_{\text{max}} = 9 \% \times \sqrt{\frac{1.2 \frac{m^2}{t} \times 50t}{98 m^2}} \\ & \underline{\boldsymbol{V}_{\text{max}}} = 7.04 \% \end{aligned}$$

Fig.111607: Ejemplo para calcular la velocidad de viento máxima autorizada

Resultado: La velocidad de viento máximo autorizado es de: 7.04 m/s

3.4 Determinar velocidad de viento máxima autorizada con diagramas de escala de viento

Dependiendo de la velocidad de viento máxima autorizada de acuerdo con la tabla de cargas (v_{max_TAB}), la velocidad de viento máxima autorizada (v_{max}) puede medirse para el estado de carga con los siguientes diagramas de escalas de viento.

Presentación del diagrama de escalas de viento:

- Diagrama 7.0 m/s: Diagrama de escala de viento para tablas de cargas con una velocidad de viento máximo autorizado (v_{max TAB}) de 7.0 m/s
- Diagrama 8.6 m/s: Diagrama de escala de viento para tablas de cargas con una velocidad de viento máximo autorizado (v_{max TAB}) de 8.6 m/s
- **Diagrama 9.0 m/s** : Diagrama de escala de viento para tablas de cargas con una velocidad de viento máximo autorizado ($v_{\text{max TAB}}$) de 9.0 m/s
- **Diagrama 9.9 m/s** : Diagrama de escala de viento para tablas de cargas con una velocidad de viento máximo autorizado ($v_{max\ TAB}$) de 9.9 m/s
- Diagrama 10.0 m/s : Diagrama de escala de viento para tablas de cargas con una velocidad de viento máximo autorizado (v_{max TAB}) de 10.0 m/s
- Diagrama 11.1 m/s: Diagrama de escala de viento para tablas de cargas con una velocidad de viento máximo autorizado (v_{max TAB}) de 11.1 m/s
- Diagrama 11.2 m/s : Diagrama de escala de viento para tablas de cargas con una velocidad de viento máximo autorizado (v_{max_TAB}) de 11.2 m/s
- Diagrama 12.8 m/s: Diagrama de escala de viento para tablas de cargas con una velocidad de viento máximo autorizado (v_{max TAB}) de 12.8 m/s
- Diagrama 13.4 m/s: Diagrama de escala de viento para tablas de cargas con una velocidad de viento máximo autorizado (v_{max_TAB}) de 13.4 m/s
- Diagrama 14.3 m/s : Diagrama de escala de viento para tablas de cargas con una velocidad de viento máximo autorizado (v_{max_TAB}) de 14.3 m/s
- Diagrama 15.6 m/s: Diagrama de escala de viento para tablas de cargas con una velocidad de viento máximo autorizado (v_{max TAB}) de 15.6 m/s



ADVERTENCIA

¡Velocidad del viento demasiado alta!

Peligro de vuelco de la grúa, fallo de la estructura de la grúa.

Muerte, lesiones graves, daños materiales.

► La velocidad de viento máximo autorizado según tabla de cargas (v_{max_TAB}) debe coincidir con la velocidad de viento máximo autorizado del diagrama de la escala de viento.

Para medir se requieren los siguientes datos:

- Velocidad de viento máximo autorizado según tabla de cargas (v_{max TAB})
- Carga de elevación(m_н)

- Superficie de proyección de la carga de elevación (A_P)
- Coeficiente de resistencia al viento (c_w)

Descripción del procedimiento:

- 1. Cálculo de la superficie de embestida del viento $(A_w = A_P \times c_w)$
- 2. Control de si la superficie de embestida del viento (A_w) sobrepasa el valor límite de 1.2 m²/t.
- 3. Determinación de la velocidad de viento máxima autorizada (v_{max}) con el diagrama de escala de viento

3.4.1 Ejemplo para medir la velocidad de viento máxima autorizada

Datos para calcular el estado de carga:

```
v_{max\_TAB} = 9.0 \text{ m/s}

m_H = 50.0 \text{ t}

A_P = 70.0 \text{ m}^2

c_W = 1.4
```

Paso 1: Cálculo de la superficie de embestida del viento

```
A_{W} = A_{P} \times C_{W}

A_{W} = 70.0 \text{ m}^{2} \times 1.4

A_{W} = 98.0 \text{ m}^{2}
```

Resultado: La superficie de embestida del viento (A_w) es de: 98.0 m²

Paso 2: Control de si la superficie de embestida del viento (A_w) sobrepasa el valor límite de 1.2 m²/t

La superficie de embestida del viento por tonelada de carga de elevación es de: $98.0 \text{ m}^2 / 50 \text{ t} = 1.96 \text{ m}^2/\text{t}$

Resultado: La superficie de embestida del viento por tonelada de carga de elevación sobrepasa el valor límite de 1.2 m²/t.

¡La velocidad de viento máxima autorizada debe ser determinada de nuevo!

Paso 3: Determinación de la velocidad de viento máxima autorizada ($v_{\text{\tiny max}}$) con el diagrama de escala de viento

Medida de la velocidad de viento máximo autorizado (v_{max}) tomada del respectivo diagrama de escala de viento para las tablas de cargas con una velocidad de viento máximo autorizado $(v_{max TAB})$ de 9 m/s

Diagrama 9.0 m/s

Resultado: La velocidad de viento máximo autorizado es de: 7.04 m/s

3.4.2 Diagrama de escala de viento

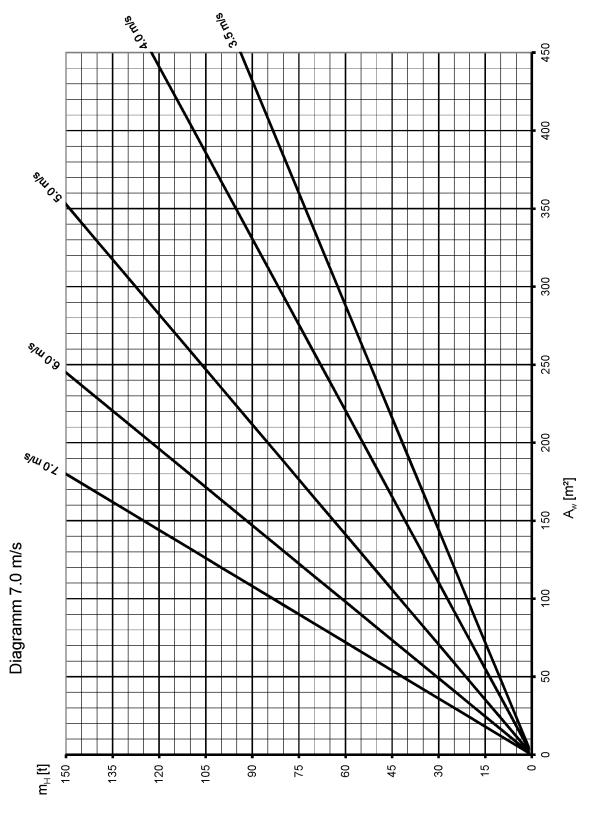


Fig.149229: Diagrama de escala de viento 7.0 m/s para tablas de cargas con una velocidad del viento máxima autorizada (v_{\max_TAB}) de 7.0 m/s

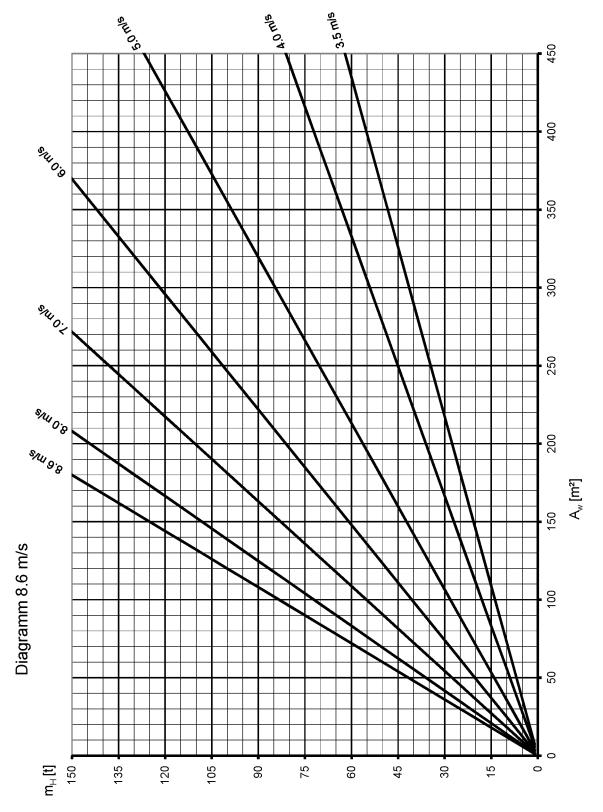


Fig.149230: Diagrama de escala de viento 8.6 m/s para tablas de cargas con una velocidad de viento máximo autorizado (v_{\max_TAB}) de 8.6 m/s

Fig.149231: Diagrama de escala de viento 9.0 m/s para tablas de cargas con una velocidad de viento máximo autorizado (v_{max_TAB}) de 9.0 m/s

Fig.149232: Diagrama de escala de viento 9.9 m/s para tablas de cargas con una velocidad de viento máximo autorizado (v_{\max_TAB}) de 9.9 m/s

Fig.152631: Diagrama de escala de viento 10.0 m/s para tablas de cargas con una velocidad de viento máximo autorizado ($v_{\rm max_TAB}$) de 10.0 m/s

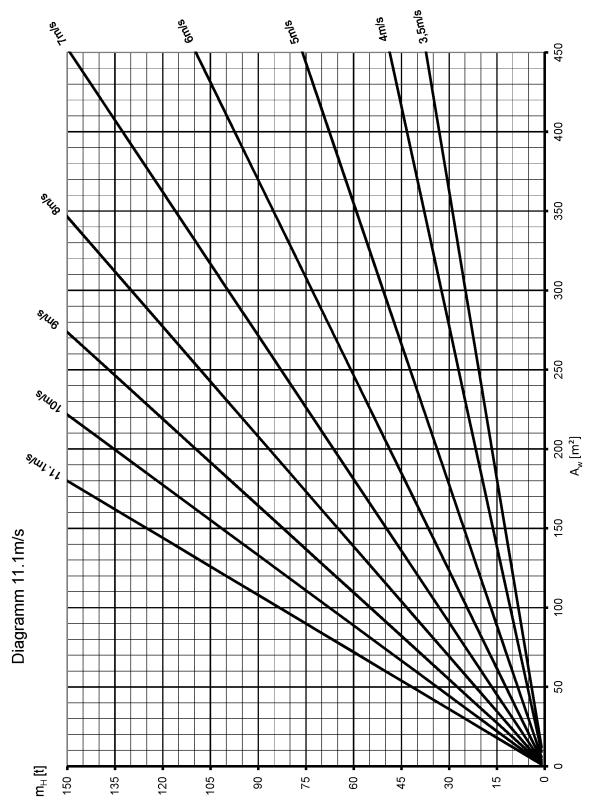


Fig.149233: Diagrama de escala de viento 11.1 m/s para tablas de cargas con una velocidad de viento máximo autorizado ($v_{\rm max_TAB}$) de 11.1 m/s

3,5mls

Fig.149234: Diagrama de escala de viento 11.2 m/s para tablas de cargas con una velocidad de viento máximo autorizado ($v_{\rm max_TAB}$) de 11.2 m/s

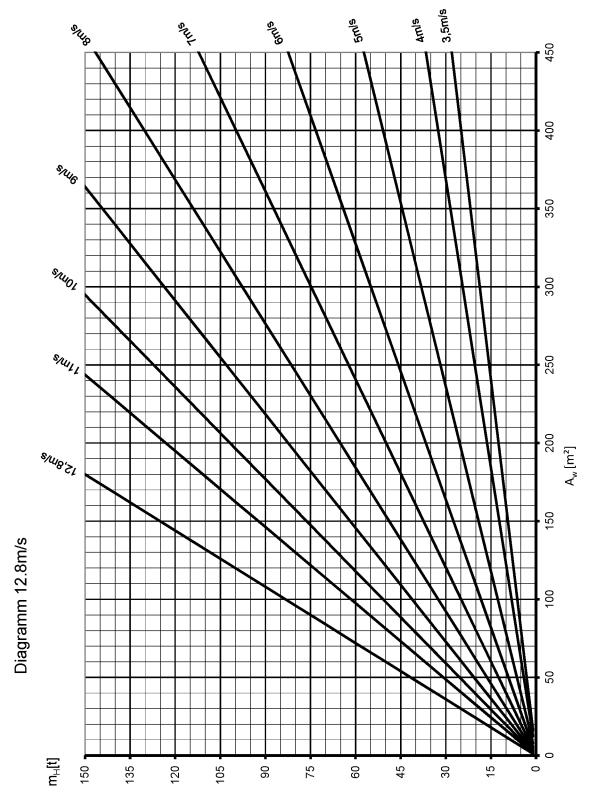


Fig.149235: Diagrama de escala de viento 12.8 m/s para tablas de cargas con una velocidad de viento máximo autorizado ($v_{\rm max_TAB}$) de 12.8 m/s

4m/s

Fig.149236: Diagrama de escala de viento 13.4 m/s para tablas de cargas con una velocidad de viento máximo autorizado ($v_{\rm max_TAB}$) de 13.4 m/s

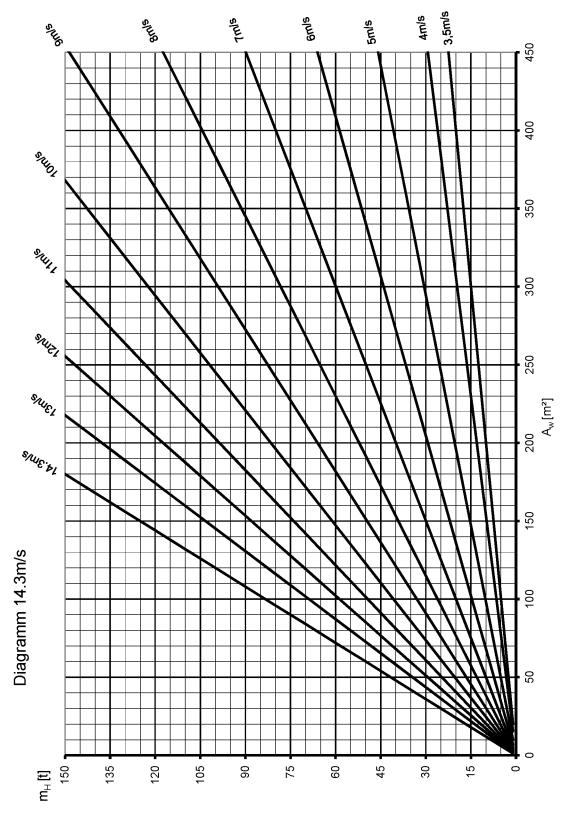


Fig.149237: Diagrama de escala de viento 14.3 m/s para tablas de cargas con una velocidad de viento máximo autorizado ($v_{\rm max_TAB}$) de 14.3 m/s

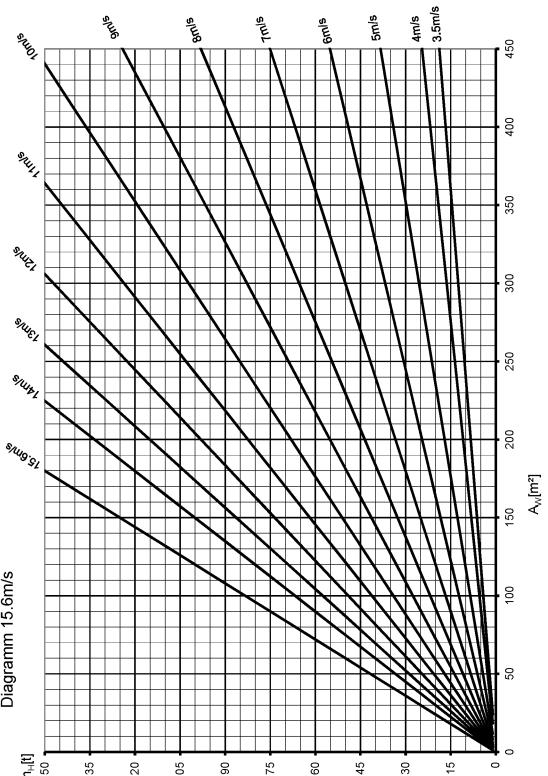


Fig.149238: Diagrama de escala de viento 15.6 m/s para tablas de cargas con una velocidad de viento máximo autorizado ($v_{\rm max_TAB}$) de 15.6 m/s

¡Página vacía!

40.90 Tabla de cargas 109539-00

40.90 Tabla de cargas

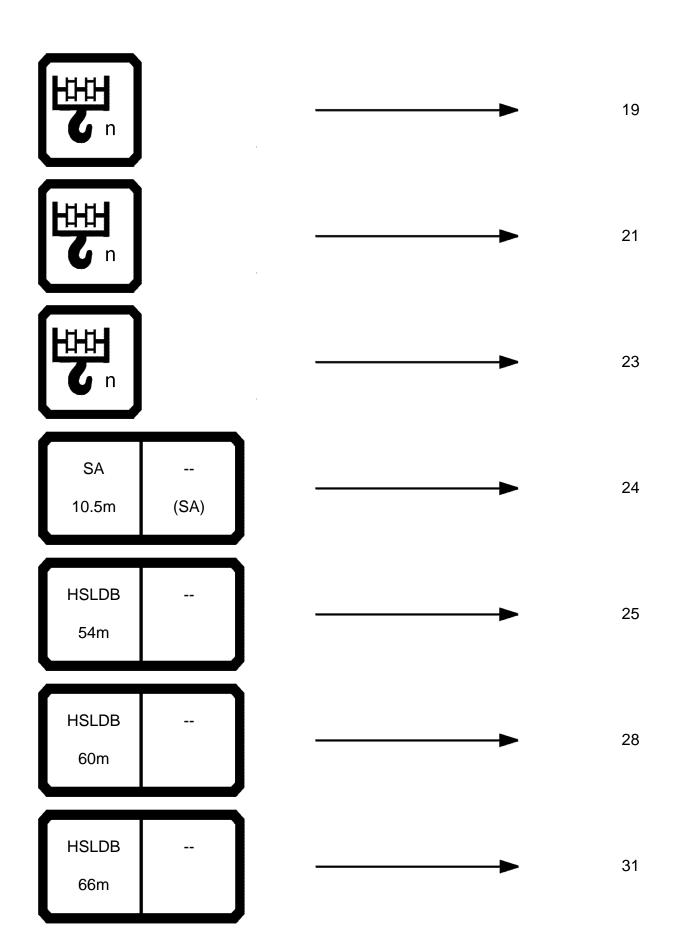
1 Tabla de cargas 3

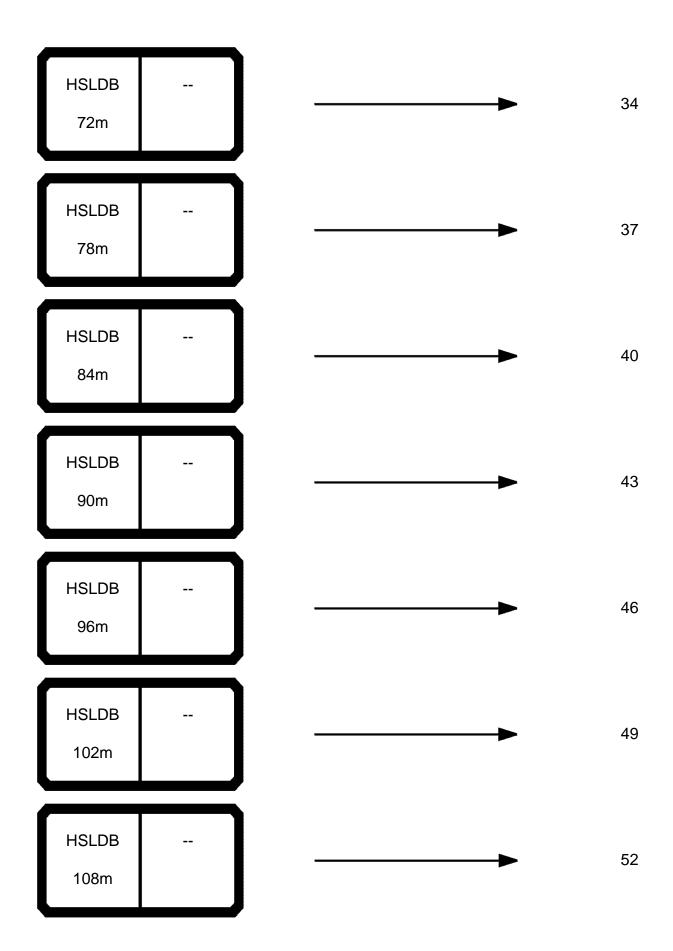
109539-00

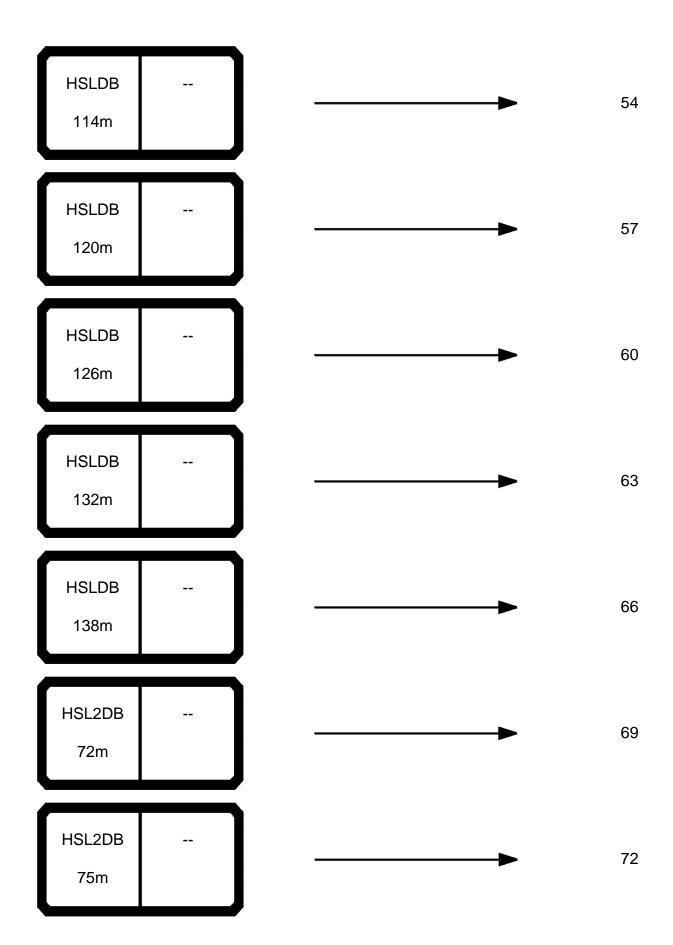
LWE//418100-04-10/es

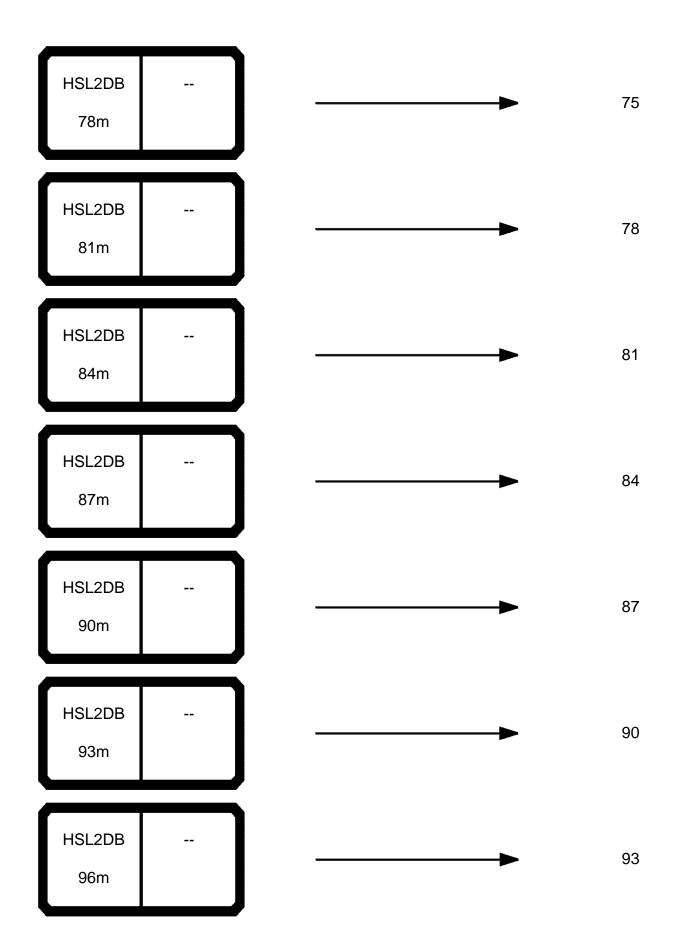
LWE//418100-04-10/es

¡Página vacía!









HSL2DB 99m	 _		96
HSL2DB 102m	 _	-	99
HSL2DB 105m	 _	-	102
HSL2DB 108m	 _	-	105
HSL2DB 111m	 _	—	108
HSL2DB 114m	 _		111
HSL2DB 117m	 _		114

HSL2DB 120m			117
HSL2DB 123m			120
HSL2DB 126m		-	123
HSL2DB 129m			126
HSL2DB 132m		-	129
HSL2DB 135m		-	132
HSL2DB 138m			135

HSLDB2	
54m	yy=15.0m
HSLDB2	
54m	yy=17.5m
HSLDB2	
54m	yy=20.0m
HSLDB2	
60m	yy=15.0m
HSLDB2	
60m	yy=17.5m
HSLDB2	
60m	yy=20.0m
HSLDB2	
66m	yy=15.0m

HSLDB2 66m	 yy=17.5m	-	-
HSLDB2 66m	 yy=20.0m		•
HSLDB2 72m	 yy=15.0m		•
HSLDB2 72m	 yy=17.5m		•
HSLDB2 72m	 yy=20.0m		•
HSLDB2 78m	 yy=15.0m		•
HSLDB2 78m	 yy=17.5m		-

HSLDB2	
78m	yy=20.0m
HSLDB2	
84m	yy=15.0m
HSLDB2	
84m	yy=17.5m
HSLDB2	
84m	yy=20.0m
HSLDB2	
90m	yy=15.0m
HSLDB2	
90m	yy=17.5m
HSLDB2	
90m	yy=20.0m

HSLDB2	
96m	yy=15.0m
HSLDB2	
96m	yy=17.5m
HSLDB2	
96m	yy=20.0m
HSLDB2	
102m	yy=15.0m
HSLDB2	
102m	yy=17.5m
HSLDB2	
102m	yy=20.0m
HSLDB2	
108m	yy=15.0m

HSLDB2	
108m	yy=17.5m
HSLDB2	
108m	yy=20.0m
HSLDB2	
114m	yy=15.0m
HSLDB2	
114m	yy=17.5m
HSLDB2	
114m	yy=20.0m
HSLDB2	
120m	yy=15.0m
HSLDB2	
120m	yy=17.5m

HSLDB2 120m
HSLDB2 126m
HSLDB2 126m
HSLDB2 126m
HSLDB2 132m
HSLDB2 132m
HSLDB2 132m

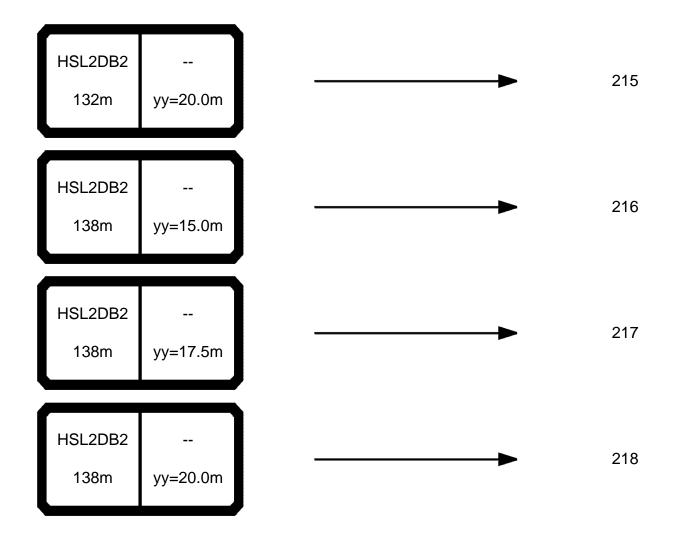
HSLDB2	
138m	yy=15.0m
HSLDB2	
138m	yy=17.5m
HSLDB2	
138m	yy=20.0m
HSL2DB2	
72m	yy=15.0m
HSL2DB2	
72m	yy=17.5m
HSL2DB2	
72m	yy=20.0m
HSL2DB2	
78m	yy=15.0m

HSL2DB2	
78m	yy=17.5m
HSL2DB2	
78m	yy=20.0m
HSL2DB2	
84m	yy=15.0m
HSL2DB2	
84m	yy=17.5m
HSL2DB2	
84m	yy=20.0m
HSL2DB2	
90m	yy=15.0m
HSL2DB2	
90m	yy=17.5m

HSL2DB2	
90m	yy=20.0m
HSL2DB2	
96m	yy=15.0m
HSL2DB2	
96m	yy=17.5m
HSL2DB2	
96m	yy=20.0m
HSL2DB2	
102m	yy=15.0m
HSL2DB2	
102m	yy=17.5m
HSL2DB2	
102m	yy=20.0m

HSL2DB2	
108m	yy=15.0m
HSL2DB2	
108m	yy=17.5m
HSL2DB2	
108m	yy=20.0m
HSL2DB2	
114m	yy=15.0m
HSL2DB2	
114m	yy=17.5m
HSL2DB2	
114m	yy=20.0m
HSL2DB2	
120m	yy=15.0m

HSL2DB2	
120m	yy=17.5m
HSL2DB2	
120m	yy=20.0m
HSL2DB2	
126m	yy=15.0m
HSL2DB2	
126m	yy=17.5m
HSL2DB2	
126m	yy=20.0m
HSL2DB2	
132m	yy=15.0m
HSL2DB2	
132m	yy=17.5m



typ1: D=28.0 mm





	t
1x	18.1
2x	35.9
3x	53.4
4x	70.7
5x	87.7
6x	104.5
7x	121.0
8x	137.2
9x	153.2
10x	169.0
11x	184.5
12x	199.9
13x	214.9
14x	229.8
15x	244.4
16x	258.8
17x	273.0
18x	287.0
19x	300.8
20x	314.3
21x	327.7
22x	340.8
23x	353.8
24x	366.6
25x	379.1
26x	391.5
27x	403.7
28x	415.7
29x	427.6
30x	439.2
31x	450.7
32x	462.0
33x	473.2
34x	484.2
35x	495.0
36x	505.6
37x	516.1
38x	526.4
39x	536.6
40x	546.6

typ1: D=28.0 mm





-	τ
41x	556.5
42x	566.2
43x	575.8
44x	585.2
45x	594.5
46x	603.7
47x	612.7
48x	621.6
49x	630.3
50x	639.0

typ2: D=25.0 mm





	t
1x	12.6
2x	24.9
3x	37.1
4x	49.1
5x	60.9
6x	72.5
7x	84.0
8x	95.3
9x	106.4
10x	117.4
11x	128.2
12x	138.8
13x	149.3
14x	159.6
15x	169.7
16x	179.7
17x	189.6
18x	199.3
19x	208.9
20x	218.3
21x	227.5
22x	236.7
23x	245.7
24x	254.6
25x	263.3
26x	271.9
27x	280.4
28x	288.7
29x	296.9
30x	305.0
31x	313.0
32x	320.9
33x	328.6
34x	336.2
35x	343.7
36x	351.1
37x	358.4
38x	365.6
39x	372.6
40x	379.6

typ2: D=25.0 mm





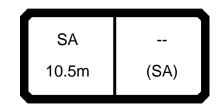
	ι
41x	386.5
42x	393.2
43x	399.9
44x	406.4
45x	412.9
46x	419.2
47x	425.5
48x	431.7
49x	437.7
50x	443.7

typ3: D=28.0 mm





1x	16.1
2x	31.9
3x	47.5
4x	62.8
5x	78.0
6x	92.8
7x	107.5
8x	122.0
9x	136.2
10x	150.2
11x	164.0
12x	177.6
13x	191.0
14x	204.2
15x	217.2
16x	230.1
17x	242.7
18x	255.1
19x	267.3
20x	279.4
21x	291.3
22x	303.0
23x	314.5
24x	325.8
25x	337.0
26x	348.0
27x	358.9



LR 160			9	ty	p1: D=	=28.0 ı	mm				***	083		22.30
	M	m	> < t								B181 0101			
m	10.5													
3.0	47.0													
3.5 4.0	47.0 47.0													
4.5	47.0													
5.0	45.0													
5.5 6.0	42.0 37.5													
6.5	33.0													
7.0	28.0													
7.5 8.0	25.9 23.7													
8.5	21.5													
9.0 9.5	19.0													
10.0	17.8 16.3													
10.5	15.0													
11.0	13.5													
* n *	0													
_														
							Ţ							
o -40														
m/s	14.3													
					1	A	\cap	0					$\overline{}$	
		SA				0	[]			7				
		10.5m	1	(SA)		t	IJ≡¯	·▔▀█▋	3	60°				
	_/\					ι		ι	3	00			<u> </u>	



LIN	1000	0/2 (J91 9 4	9	ιy	ρ I. D-	=28.0	111111					362		22.30
N.			m	ı > < t		CO	DE :	>133	37<				B18	1 16	600
Ĭ Į	y m	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
	9.0	305.0	307.0	307.0	307.0	307.0	307.0	307.0	307.0	305.0	306.0	306.0	306.0	306.0	306.0
	10.0	277.0	307.0	307.0	307.0	307.0	307.0	307.0	307.0	283.0	307.0	307.0	307.0	307.0	307.0
	11.0	248.0	303.0	306.0	306.0	306.0	306.0	306.0	306.0	254.0	304.0	308.0	308.0	308.0	308.0
	12.0	224.0	275.0	301.0	310.0	310.0	310.0	310.0	310.0	229.0	292.0	310.0	310.0	310.0	310.0
	14.0	187.0	230.0	274.0	308.0	310.0	310.0	310.0	310.0	192.0	246.0	301.0	309.0	309.0	309.0
	16.0	160.0	197.0	235.0	273.0	289.0	302.0	313.0	315.0	163.0	211.0	259.0	289.0	308.0	317.0
	18.0	138.0	172.0	205.0	239.0	267.0	290.0	309.0	312.0	142.0	184.0	226.0	267.0	299.0	314.0
	20.0	121.0	151.0	182.0	212.0	241.0	263.0	281.0	289.0	124.0	162.0	201.0	239.0	271.0	289.0
	22.0 24.0	107.0	135.0	162.0	190.0	214.0	235.0	253.0	266.0	110.0	145.0	179.0	214.0	242.0	264.0
	26.0	94.0 83.0	121.0 109.0	146.0 133.0	171.0 156.0	191.0 175.0	210.0 194.0	229.0 211.0	244.0 226.0	97.0 86.0	130.0 116.0	162.0 146.0	191.0 175.0	217.0 200.0	241.0 222.0
	28.0	74.0	97.0	120.0	143.0	160.0	177.0	194.0	208.0	76.0	104.0	132.0	159.0	182.0	203.0
	30.0	66.0	88.0	109.0	130.0	145.0	161.0	177.0	191.0	68.0	94.0	120.0	145.0	166.0	186.0
	32.0	60.0	80.0	100.0	119.0	135.0	150.0	165.0	179.0	61.0	86.0	109.0	133.0	155.0	174.0
-	34.0	54.0	73.0	91.0	109.0	126.0	140.0	154.0	167.0	56.0	78.0	100.0	122.0	144.0	162.0
	36.0	49.0	67.0	84.0	101.0	116.0	129.0	142.0	155.0	50.0	72.0	93.0	113.0	133.0	150.0
	38.0	44.5	62.0	78.0	94.0	108.0	121.0	133.0	145.0	46.0	66.0	86.0	105.0	124.0	140.0
	40.0	41.0	57.0	72.0	87.0	102.0	113.0	125.0	137.0	42.0	61.0	80.0	98.0	116.0	132.0
	44.0	34.0	48.5	63.0	76.0	89.0	99.0	110.0	121.0	35.5	53.0	70.0	86.0	102.0	116.0
	48.0	28.5	42.0	55.0	67.0	79.0	89.0	99.0	108.0	29.5	45.5	61.0	76.0	91.0	104.0
	52.0	24.7	37.0	48.5	60.0	70.0	80.0	89.0	97.0	25.6	40.5	54.0	68.0	82.0	94.0
* r	า *	20	20	20	20	20	20	20	21	20	20	20	20	20	21
уу		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
ZZ		0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
0-4															
	m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
			HSLDI 54m	3			150 t		65 t	₩ Y	zz t				
_								_				_			



LR 160				• • • •	P	=28.0						362		22.30
		m	ı > < t		CO	DE :	>133	37<				B18	1 16	600
m m m	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
9.0	306.0	306.0	305.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0
10.0	307.0	307.0	287.0	307.0	307.0	307.0	307.0	307.0	307.0	307.0	294.0	307.0	307.0	307.0
11.0	1	308.0	258.0	306.0	309.0	309.0	309.0	309.0	309.0	309.0	263.0	307.0	308.0	308.0
12.0		310.0	233.0	296.0	310.0	310.0	310.0	310.0	310.0	310.0	238.0	302.0	310.0	310.0
14.0		309.0	195.0	257.0	307.0	310.0	310.0	310.0	310.0	310.0	199.0	273.0	308.0	312.0
16.0		317.0	166.0	220.0	275.0	299.0	315.0	316.0	316.0	316.0	170.0	234.0	287.0	314.0
18.0 20.0		314.0	144.0	192.0	241.0	284.0	312.0	313.0	313.0	313.0	148.0	205.0	262.0	309.0
22.0		295.0 293.0	126.0 112.0	170.0 152.0	213.0 191.0	256.0 228.0	285.0 258.0	295.0 276.0	304.0 294.0	314.0 311.0	130.0 115.0	181.0 162.0	232.0 208.0	279.0 250.0
24.0	1	279.0	98.0	135.0	172.0	204.0	234.0	258.0	280.0	302.0	101.0	143.0	186.0	224.0
26.0		258.0	87.0	121.0	154.0	187.0	215.0	239.0	260.0	280.0	89.0	128.0	167.0	205.0
28.0		238.0	78.0	108.0	139.0	170.0	197.0	219.0	239.0	258.0	80.0	115.0	151.0	186.0
30.0		219.0	69.0	98.0	127.0	155.0	179.0	201.0	221.0	238.0	71.0	104.0	137.0	170.0
32.0	191.0	206.0	63.0	90.0	116.0	142.0	168.0	189.0	207.0	224.0	64.0	95.0	125.0	156.0
34.0	179.0	193.0	57.0	82.0	106.0	131.0	155.0	176.0	194.0	210.0	58.0	87.0	116.0	144.0
36.0		180.0	51.0	75.0	98.0	121.0	144.0	164.0	180.0	196.0	53.0	80.0	107.0	133.0
38.0		169.0	46.5	70.0	91.0	113.0	134.0	153.0	169.0	185.0	48.0	74.0	99.0	124.0
40.0		160.0	43.0	64.0	85.0	105.0	126.0	145.0	161.0	175.0	44.0	69.0	92.0	116.0
44.0		142.0	36.5	56.0	74.0	92.0	111.0	128.0	143.0	156.0	37.5	60.0	81.0	102.0
48.0		129.0	30.0	48.5	65.0	82.0	99.0	115.0	129.0	141.0	31.5	52.0	72.0	91.0
52.0	105.0	117.0	26.2	42.5	58.0	73.0	89.0	103.0	117.0	127.0	27.1	46.0	64.0	81.0
* n * 	21	21	20	20	20	20	21	21	21	21	20	20	20	20
zz —	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0
0-40 m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
		HSLDI 54m	3			150 t		65 t	▼	zz t				



*** 362 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1337< B181 1600 m > < t54.0 54.0 54.0 54.0 m 9.0 306.0 306.0 306.0 306.0 10.0 307.0 307.0 307.0 307.0 11.0 308.0 308.0 308.0 308.0 12.0 310.0 310.0 310.0 310.0 14.0 312.0 312.0 312.0 312.0 16.0 316.0 316.0 316.0 316.0 18.0 314.0 314.0 314.0 314.0 20.0 295.0 307.0 318.0 320.0 22.0 275.0 297.0 318.0 320.0 24.0 256.0 283.0 310.0 318.0 288.0 26.0 301.0 237.0 263.0 28.0 218.0 242.0 266.0 284.0 30.0 200.0 222.0 245.0 267.0 32.0 186.0 209.0 230.0 251.0 34.0 172.0 196.0 216.0 235.0 36.0 160.0 182.0 201.0 220.0 38.0 149.0 171.0 190.0 207.0 40.0 139.0 162.0 180.0 197.0 44.0 123.0 144.0 160.0 176.0 48.0 110.0 129.0 145.0 151.0 52.0 99.0 117.0 124.0 124.0 * n * 21 21 21 21 18.0 18.0 18.0 18.0 уу 200.0 250.0 300.0 350.0 ΖZ 0-40 m/s 12.8 12.8 12.8 12.8 **HSLDB** 54m



LR 160		09794	.9	ty	p1: D=	=28.0	mm				***	362		22.30
	MM	m) > < t		CO	DE :	>133	38<				B18	1 17	700
₽ m	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
10.0	263.0	306.0	306.0	306.0	306.0	306.0	306.0	306.0	270.0	303.0	303.0	303.0	303.0	303.0
11.0 12.0	237.0 215.0	290.0 263.0	305.0 300.0	305.0 304.0	305.0 304.0	305.0 304.0	305.0 304.0	305.0 304.0	242.0 220.0	304.0 281.0	304.0 302.0	304.0 306.0	304.0 306.0	304.0 306.0
14.0	180.0	222.0	264.0	298.0	310.0	310.0	310.0	310.0	184.0	237.0	290.0	308.0	308.0	308.0
16.0	154.0	190.0	227.0	264.0	294.0	300.0	300.0	300.0	157.0	204.0	250.0	292.0	300.0	300.0
18.0	133.0	166.0	199.0	231.0	263.0	280.0	292.0	305.0	137.0	178.0	219.0	260.0	285.0	302.0
20.0 22.0	117.0 103.0	146.0 130.0	176.0 157.0	205.0 184.0	235.0 211.0	259.0 235.0	276.0 253.0	293.0 268.0	120.0 106.0	157.0 140.0	194.0 174.0	232.0 208.0	267.0 242.0	290.0 265.0
24.0	92.0	117.0	142.0	166.0	191.0	211.0	229.0	244.0	95.0	126.0	157.0	188.0	218.0	241.0
26.0	82.0	106.0	128.0	151.0	172.0	190.0	207.0	221.0	84.0	114.0	143.0	172.0	195.0	218.0
28.0	73.0	96.0	117.0	138.0	159.0	176.0	192.0	206.0	75.0	103.0	131.0	157.0	181.0	202.0
30.0	65.0	87.0	107.0	127.0	146.0	162.0	177.0	191.0	67.0	93.0	119.0	144.0	166.0	187.0
32.0 34.0	58.0	79.0	99.0	118.0	133.0	148.0	162.0	176.0	60.0	85.0	108.0	132.0	152.0	171.0
36.0	52.0 47.5	72.0 66.0	90.0 83.0	108.0	123.0 115.0	137.0 128.0	151.0 142.0	164.0 154.0	54.0 49.0	77.0 71.0	99.0 92.0	121.0 112.0	141.0 132.0	159.0 149.0
38.0	43.0	60.0	77.0	93.0	107.0	120.0	132.0	144.0	44.5	65.0	85.0	104.0	123.0	139.0
40.0	39.5	55.0	71.0	86.0	99.0	111.0	123.0	134.0	40.5	60.0	79.0	97.0	114.0	129.0
44.0	32.0	47.0	61.0	75.0	88.0	98.0	109.0	120.0	33.5	51.0	68.0	85.0	101.0	115.0
48.0 52.0	27.1	40.5	54.0	66.0	77.0	87.0	97.0	106.0	28.0	44.0	60.0	75.0	90.0	102.0
56.0	23.1 19.8	34.5 29.9	46.5 41.5	59.0 52.0	69.0 62.0	78.0 70.0	87.0 78.0	96.0 86.0	24.0	38.5 33.0	53.0 47.0	67.0 60.0	80.0 72.0	92.0 83.0
60.0	16.4	26.6	37.5	47.0	56.0	63.0	71.0	79.0	18.1	29.4	42.5	54.0	66.0	76.0
* n * yy	17	20	20	20	20	20	20	20	17	20	20	20	20	20
	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
0-40 m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
		HSLDI 60m	В			150 t		65 t	y	zz t				



LR 16	00/2	09794	.9	ty	p1: D=	=28.0	mm				***	362		22.30
		m	ı > < t		CO	DE :	>133	38<				B18	1 17	700
	m 60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
10.	l l	303.0	274.0	303.0	303.0	303.0	303.0	303.0	303.0	303.0	280.0	303.0	304.0	304.0
11.	l l	304.0 306.0	246.0 223.0	305.0 293.0	305.0 305.0	305.0 306.0	305.0 306.0	305.0 306.0	305.0 306.0	305.0 306.0	252.0 229.0	304.0 300.0	304.0 306.0	304.0 306.0
14.		308.0	187.0	293.0	302.0	309.0	309.0	309.0	309.0	309.0	192.0	263.0	309.0	309.0
16.		300.0	160.0	213.0	266.0	296.0	305.0	305.0	305.0	305.0	164.0	227.0	289.0	303.0
18.	l l	316.0	139.0	186.0	233.0	274.0	298.0	314.0	314.0	314.0	142.0	198.0	254.0	292.0
20.		309.0	122.0	164.0	207.0	249.0	284.0	305.0	307.0	307.0	125.0	175.0	226.0	275.0
22.	I	291.0	108.0	147.0	185.0	224.0	259.0	281.0	290.0	299.0	111.0	157.0	203.0	248.0
24.		272.0	97.0	132.0	168.0	203.0	234.0	257.0	272.0	288.0	99.0	141.0	183.0	225.0
26. 28.		254.0 237.0	86.0 76.0	120.0 108.0	152.0 138.0	183.0 169.0	211.0 195.0	234.0 218.0	255.0 238.0	275.0 257.0	88.0 78.0	127.0 114.0	166.0 150.0	202.0 185.0
30.		220.0	68.0	97.0	126.0	154.0	180.0	202.0	221.0	239.0	70.0	103.0	136.0	169.0
32.		203.0	61.0	89.0	115.0	141.0	165.0	186.0	204.0	221.0	63.0	94.0	125.0	155.0
34.		191.0	55.0	81.0	105.0	130.0	153.0	174.0	191.0	207.0	57.0	86.0	115.0	143.0
36.		180.0	50.0	74.0	97.0	120.0	143.0	163.0	180.0	195.0	51.0	79.0	106.0	132.0
38.		169.0	45.0	68.0	90.0	112.0	133.0	152.0	169.0	184.0	46.5	73.0	98.0	123.0
40.		158.0	41.5	63.0	84.0	104.0	124.0	142.0	158.0	172.0	42.5	68.0	91.0	115.0
44.		142.0 127.0	34.0 28.7	54.0 46.5	73.0 64.0	91.0 81.0	109.0 97.0	127.0 113.0	142.0 127.0	155.0 140.0	36.0 29.7	58.0 50.0	80.0 70.0	101.0 89.0
52.		115.0	24.6	41.0	57.0	72.0	87.0	102.0	115.0	127.0	25.7 25.5	44.0	62.0	80.0
56.		104.0	21.2	36.0	51.0	65.0	79.0	92.0	104.0	115.0	22.1	39.0	56.0	72.0
60.		92.0	18.6	31.5	45.5	59.0	72.0	83.0	91.0	98.0	19.4	34.5	51.0	66.0
* n *	21	21	18	20	20	20	20	20	20	20	18	20	20	20
уу	13.0	13.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	18.0	18.0	18.0	18.0
	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0
	/s 12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
		60m				150 t		t	■ V	zz t y m				



*** 362 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1338< B181 1700 m > < tm 60.0 60.0 60.0 60.0 10.0 304.0 304.0 304.0 304.0 11.0 304.0 304.0 304.0 304.0 12.0 306.0 306.0 306.0 306.0 14.0 309.0 309.0 309.0 309.0 16.0 312.0 312.0 312.0 312.0 18.0 315.0 315.0 315.0 315.0 20.0 306.0 309.0 309.0 309.0 292.0 303.0 22.0 281.0 315.0 24.0 256.0 275.0 294.0 313.0 26.0 232.0 258.0 283.0 307.0 28.0 241.0 264.0 216.0 287.0 30.0 200.0 223.0 246.0 267.0 32.0 183.0 206.0 227.0 248.0 34.0 171.0 193.0 213.0 233.0 36.0 159.0 182.0 201.0 220.0 38.0 148.0 171.0 189.0 207.0 40.0 138.0 159.0 177.0 194.0 44.0 122.0 143.0 160.0 175.0 48.0 109.0 128.0 143.0 158.0 52.0 98.0 115.0 131.0 140.0 56.0 88.0 122.0 105.0 119.0 60.0 79.0 0.88 90.0 90.0 * n * 21 21 21 21 18.0 18.0 18.0 18.0 уу 200.0 250.0 300.0 350.0 ΖZ 0-10 m/s 12.8 12.8 12.8 12.8 **HSLDB** 60m



LR 160	0/2 (09794	9	ty	p1: D=	=28.0	mm				***	362	- 2	22.30
		m	ı > < t		CO	DE :	>133	39<				B18	1 18	300
m m	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
10.0 11.0		278.0	302.0 303.0	302.0 303.0	302.0 303.0	302.0 303.0	302.0 303.0	302.0 303.0	232.0	299.0 297.0	300.0 301.0	300.0 301.0	300.0 301.0	300.0 301.0
12.0	1 1	253.0	300.0	304.0	304.0	304.0	304.0	304.0	211.0	270.0	303.0	303.0	303.0	303.0
14.0	1	213.0	254.0	289.0	301.0	304.0	304.0	304.0	177.0	229.0	280.0	300.0	304.0	304.0
16.0	148.0	184.0	219.0	255.0	291.0	307.0	307.0	307.0	152.0	197.0	242.0	287.0	306.0	306.0
18.0		160.0	192.0	224.0	256.0	280.0	288.0	288.0	132.0	172.0	213.0	253.0	283.0	292.0
20.0	1	142.0	170.0	199.0	228.0	254.0	269.0	281.0	116.0	152.0	189.0	225.0	260.0	279.0
22.0		126.0	152.0	179.0	205.0	231.0	249.0	264.0	103.0	136.0	169.0	202.0	236.0	261.0
26.0	1	113.0 102.0	137.0 125.0	162.0 147.0	186.0 169.0	210.0 191.0	229.0 208.0	243.0 222.0	92.0 82.0	122.0 111.0	153.0 139.0	183.0 167.0	214.0 195.0	240.0 218.0
28.0		93.0	114.0	135.0	154.0	171.0	188.0	202.0	74.0	101.0	127.0	153.0	176.0	198.0
30.0	1	85.0	104.0	124.0	143.0	159.0	176.0	189.0	66.0	92.0	117.0	141.0	164.0	185.0
32.0	57.0	78.0	96.0	114.0	133.0	148.0	163.0	176.0	59.0	84.0	107.0	131.0	152.0	171.0
34.0		71.0	89.0	106.0	122.0	136.0	150.0	163.0	53.0	76.0	99.0	121.0	140.0	158.0
36.0	1	64.0	82.0	98.0	112.0	125.0	138.0	151.0	47.5	70.0	91.0	111.0	129.0	146.0
38.0 40.0	_	59.0	76.0	92.0	106.0	118.0	131.0	143.0	43.0	64.0	84.0	103.0	122.0	138.0
44.0		54.0 45.5	70.0 60.0	85.0 74.0	99.0 85.0	111.0 96.0	123.0 107.0	134.0 117.0	39.5 32.0	59.0 50.0	78.0 67.0	96.0 84.0	114.0 99.0	130.0 113.0
48.0		39.0	52.0	65.0	76.0	86.0	96.0	106.0	26.9	43.0	59.0	74.0	89.0	102.0
52.0		33.0	45.5	58.0	67.0	76.0	85.0	94.0	22.8	37.5	51.0	66.0	79.0	91.0
56.0		28.6	40.0	51.0	60.0	69.0	77.0	85.0	19.4	32.0	45.5	59.0	71.0	82.0
60.0		25.1	35.5	45.5	54.0	62.0	69.0	77.0	15.7	27.9	40.5	53.0	64.0	74.0
64.0	12.9	22.3	31.0	41.0	48.5	56.0	63.0	70.0	13.6	24.8	36.5	48.0	58.0	67.0
* n *	14	18	20	20	20	20	20	20	15	19	20	20	20	20
уу —	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
zz _	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
0-40 m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
		HSLDI 66m	3			150 t		65 t	y y	zz t				



LR 160	0/2 (09794	9	ιy	p1: D=	-Z0.U I	ШШ					362		22.30
		m	> < t	-	CO	DE :	>133	39<		-		B18	1 18	300
₽ m	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
10.0	300.0	300.0		299.0	299.0	299.0	299.0	299.0	299.0	299.0		298.0	298.0	298.0
11.0	301.0	301.0	236.0	301.0	301.0	301.0	301.0	301.0	301.0	301.0	241.0	300.0	300.0	300.0
12.0	303.0	303.0	214.0	282.0	303.0	303.0	303.0	303.0	303.0	303.0	219.0	300.0	301.0	301.0
14.0	304.0	304.0	180.0	239.0	291.0	303.0	303.0	303.0	303.0	303.0	185.0	254.0	299.0	303.0
16.0	306.0	306.0	154.0	206.0	257.0	306.0	306.0	306.0	306.0	306.0	158.0	219.0	280.0	305.0
18.0 20.0	301.0 297.0	309.0 312.0	134.0 118.0	180.0 159.0	226.0 201.0	272.0 242.0	290.0 274.0	301.0 296.0	309.0 312.0	309.0 312.0	138.0 121.0	192.0 170.0	247.0 219.0	286.0 267.0
22.0	281.0	299.0	105.0	142.0	180.0	218.0	255.0	280.0	299.0	300.0	107.0	152.0	197.0	242.0
24.0	259.0	276.0	93.0	128.0	163.0	198.0	233.0	258.0	277.0	284.0	96.0	137.0	178.0	220.0
26.0	238.0	254.0	84.0	116.0	148.0	181.0	211.0	236.0	255.0	268.0	86.0	124.0	163.0	201.0
28.0	216.0	232.0	75.0	106.0	136.0	166.0	191.0	214.0	234.0	252.0	77.0	113.0	149.0	183.0
30.0	203.0	218.0	67.0	97.0	125.0	153.0	178.0	200.0	219.0	237.0	69.0	103.0	136.0	168.0
32.0	189.0	204.0	60.0	88.0	114.0	140.0	165.0	186.0	205.0	221.0	62.0	94.0	124.0	154.0
34.0	176.0	190.0	54.0	80.0	105.0	129.0	152.0	172.0	190.0	206.0	56.0	86.0	114.0	142.0
36.0	163.0	177.0	48.5	73.0	97.0	119.0	141.0	160.0	177.0	192.0	50.0	79.0	105.0	132.0
38.0	154.0	167.0	44.0	67.0	89.0	111.0	132.0	151.0	168.0	183.0	45.5	72.0	97.0	122.0
40.0	145.0	158.0	40.5	62.0	83.0	103.0	124.0	142.0	158.0	173.0	41.5	67.0	90.0	114.0
44.0 48.0	127.0 114.0	140.0	33.0	53.0	72.0	90.0	108.0	124.0	140.0	153.0	34.0	57.0	79.0	100.0
52.0	102.0	127.0 114.0	27.6 23.4	45.0 39.5	63.0 56.0	80.0 71.0	96.0 86.0	112.0 100.0	127.0 114.0	139.0 126.0	28.5 24.3	49.0 43.0	69.0 62.0	89.0 79.0
56.0	93.0	103.0	19.9	34.0	49.0	64.0	78.0	91.0	103.0	115.0	20.8	38.0	55.0	71.0
60.0	84.0	94.0	16.2	29.7	44.0	58.0	71.0	82.0	94.0	105.0	17.0	33.0	49.0	64.0
64.0	77.0	86.0	14.0	26.5	40.0	52.0	64.0	75.0	86.0	97.0	14.7	29.1	44.5	59.0
* n *	20	20	15 15.0	20	20	20	20	20	20	20	15	19	20	20
yy	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0
_														
m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
		HSLDE 66m	3			150 t		65 t	y y	zz t				



*** 362 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1339< B181 1800 m > < tm 66.0 66.0 66.0 66.0 298.0 10.0 298.0 298.0 298.0 11.0 300.0 300.0 300.0 300.0 12.0 301.0 301.0 301.0 301.0 14.0 303.0 303.0 303.0 303.0 16.0 305.0 305.0 305.0 305.0 18.0 300.0 308.0 308.0 308.0 20.0 294.0 311.0 311.0 311.0 22.0 278.0 298.0 302.0 302.0 24.0 256.0 278.0 288.0 299.0 26.0 234.0 257.0 274.0 291.0 28.0 259.0 212.0 236.0 282.0 30.0 198.0 222.0 244.0 265.0 32.0 184.0 207.0 228.0 248.0 34.0 170.0 192.0 212.0 231.0 36.0 157.0 178.0 198.0 216.0 38.0 147.0 169.0 188.0 205.0 40.0 137.0 160.0 178.0 194.0 44.0 121.0 141.0 157.0 173.0 48.0 108.0 127.0 143.0 157.0 52.0 97.0 114.0 129.0 143.0 56.0 128.0 87.0 104.0 118.0 60.0 80.0 95.0 108.0 114.0 64.0 73.0 87.0 95.0 95.0 * n * 20 20 20 20 18.0 18.0 18.0 18.0 уу 200.0 250.0 300.0 350.0 ΖZ 0-10 m/s 12.8 12.8 12.8 12.8 **HSLDB** 66m

72m



*** 362 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1340< B181 1900 m > < t72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 m 72.0 11.0 217.0 266.0 293.0 293.0 293.0 293.0 293.0 293.0 222.0 285.0 291.0 291.0 291.0 291.0 12.0 197.0 243.0 288.0 294.0 294.0 294.0 294.0 294.0 202.0 260.0 292.0 292.0 292.0 292.0 14.0 166.0 206.0 245.0 285.0 290.0 290.0 290.0 290.0 171.0 221.0 270.0 289.0 294.0 294.0 296.0 16.0 143.0 177.0 212.0 247.0 279.0 293.0 297.0 297.0 146.0 190.0 234.0 278.0 296.0 18.0 217.0 249.0 280.0 289.0 289.0 127.0 167.0 206.0 246.0 285.0 289.0 124.0 155.0 186.0 20.0 109.0 137.0 165.0 194.0 222.0 250.0 266.0 273.0 112.0 148.0 183.0 219.0 255.0 272.0 22.0 96.0 122.0 148.0 174.0 200.0 225.0 244.0 257.0 99.0 132.0 164.0 197.0 229.0 254.0 236.0 24.0 86.0 110.0 133.0 157.0 181.0 205.0 225.0 239.0 88.0 118.0 148.0 178.0 208.0 26.0 79.0 77.0 99.0 121.0 143.0 165.0 187.0 207.0 221.0 107.0 135.0 163.0 191.0 217.0 203.0 28.0 151.0 69.0 90.0 110.0 131.0 172.0 189.0 72.0 97.0 123.0 149.0 175.0 199.0 30.0 62.0 82.0 101.0 120.0 139.0 156.0 171.0 185.0 64.0 89.0 113.0 137.0 160.0 180.0 32.0 56.0 75.0 93.0 111.0 129.0 145.0 160.0 174.0 58.0 82.0 104.0 127.0 150.0 169.0 34.0 50.0 69.0 86.0 103.0 120.0 135.0 149.0 163.0 52.0 75.0 96.0 118.0 139.0 158.0 36.0 45.0 63.0 79.0 95.0 112.0 125.0 138.0 151.0 46.5 68.0 89.0 110.0 129.0 146.0 38.0 128.0 140.0 42.0 119.0 135.0 40.5 58.0 74.0 89.0 103.0 115.0 62.0 83.0 102.0 40.0 37.0 53.0 68.0 83.0 97.0 108.0 120.0 132.0 38.5 57.0 77.0 95.0 112.0 127.0 44.0 29.6 44.0 59.0 73.0 85.0 96.0 107.0 117.0 31.0 48.5 66.0 83.0 99.0 113.0 48.0 24.7 38.0 51.0 64.0 74.0 83.0 93.0 103.0 25.7 41.5 57.0 73.0 86.0 99.0 52.0 20.6 31.5 44.0 56.0 66.0 75.0 84.0 93.0 21.5 36.0 50.0 65.0 78.0 90.0 56.0 16.4 27.3 38.5 49.5 58.0 67.0 75.0 84.0 18.1 30.0 44.0 58.0 70.0 80.0 60.0 62.0 13.7 23.7 33.5 44.0 52.0 60.0 68.0 76.0 14.4 26.4 39.0 51.0 72.0 64.0 47.0 54.0 62.0 12.0 23.2 34.0 46.0 56.0 66.0 11.3 20.6 29.3 39.5 69.0 68.0 9.4 42.0 49.0 63.0 10.1 20.5 30.5 42.0 51.0 60.0 18.1 26.3 35.0 56.0 72.0 7.4 15.3 23.8 31.5 39.0 45.0 51.0 58.0 8.1 18.3 27.7 38.5 46.5 55.0 * n * 14 17 19 19 19 19 19 19 14 18 19 19 19 19 10.0 13.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 13.0 13.0 13.0 13.0 13.0 уу 150.0 200.0 250.0 300.0 350.0 100.0 150.0 200.0 250.0 ΖZ 0.0 50.0 100.0 0.0 50.0 **0-40 ∭** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 **HSLDB** 150

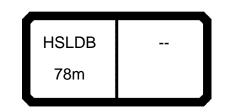
72m



*** 362 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1340< B181 1900 m > < t72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 m 72.0 11.0 291.0 291.0 226.0 290.0 291.0 291.0 291.0 291.0 291.0 291.0 231.0 291.0 291.0 291.0 12.0 292.0 292.0 206.0 271.0 292.0 292.0 292.0 292.0 292.0 292.0 211.0 289.0 291.0 291.0 14.0 294.0 294.0 174.0 230.0 285.0 292.0 292.0 292.0 292.0 292.0 178.0 245.0 288.0 293.0 16.0 296.0 296.0 149.0 199.0 249.0 291.0 296.0 296.0 296.0 296.0 153.0 212.0 272.0 295.0 18.0 289.0 289.0 219.0 288.0 290.0 290.0 290.0 133.0 239.0 286.0 130.0 175.0 264.0 186.0 20.0 282.0 293.0 114.0 155.0 195.0 236.0 268.0 281.0 293.0 298.0 117.0 165.0 213.0 261.0 22.0 272.0 291.0 101.0 138.0 175.0 212.0 249.0 271.0 291.0 301.0 104.0 148.0 192.0 236.0 24.0 255.0 273.0 90.0 124.0 159.0 193.0 227.0 254.0 274.0 285.0 93.0 133.0 174.0 214.0 26.0 236.0 254.0 81.0 113.0 144.0 176.0 208.0 234.0 254.0 267.0 83.0 121.0 158.0 196.0 250.0 28.0 103.0 191.0 235.0 75.0 145.0 217.0 234.0 73.0 132.0 162.0 215.0 110.0 180.0 30.0 199.0 214.0 66.0 94.0 121.0 149.0 174.0 196.0 215.0 232.0 67.0 101.0 134.0 166.0 32.0 187.0 201.0 59.0 86.0 112.0 138.0 163.0 184.0 202.0 219.0 60.0 93.0 123.0 154.0 34.0 175.0 189.0 53.0 79.0 104.0 128.0 152.0 172.0 190.0 206.0 55.0 84.0 113.0 141.0 36.0 160.0 177.0 163.0 177.0 47.5 72.0 96.0 119.0 141.0 192.0 49.0 77.0 104.0 131.0 38.0 151.0 130.0 148.0 165.0 179.0 44.0 121.0 164.0 43.0 66.0 88.0 110.0 71.0 96.0 40.0 142.0 155.0 39.0 60.0 82.0 102.0 122.0 139.0 156.0 170.0 40.5 65.0 90.0 113.0 44.0 127.0 140.0 31.5 51.0 71.0 89.0 108.0 124.0 140.0 153.0 33.0 56.0 78.0 99.0 48.0 111.0 124.0 26.4 44.0 62.0 79.0 94.0 109.0 124.0 136.0 27.3 48.0 68.0 88.0 52.0 101.0 113.0 22.1 38.0 54.0 70.0 85.0 99.0 113.0 125.0 23.0 41.5 60.0 78.0 56.0 91.0 102.0 18.6 32.5 47.5 63.0 77.0 89.0 102.0 114.0 19.4 36.5 54.0 70.0 60.0 15.6 47.5 82.0 92.0 14.9 28.2 42.5 56.0 69.0 81.0 92.0 104.0 31.0 63.0 64.0 63.0 85.0 95.0 13.2 27.5 42.5 57.0 75.0 85.0 12.5 24.9 38.0 51.0 74.0 68.0 69.0 10.5 22.1 33.5 46.0 57.0 67.0 77.0 0.88 11.2 24.5 38.5 52.0 78.0 72.0 63.0 67.0 8.6 19.9 30.5 42.0 52.0 60.0 65.0 70.0 9.3 22.2 34.5 48.0 * n * 19 19 14 19 19 19 19 19 19 20 15 19 19 19 13.0 13.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 18.0 18.0 18.0 18.0 уу 200.0 250.0 300.0 350.0 150.0 ΖZ 300.0 350.0 0.0 50.0 100.0 150.0 0.0 50.0 100.0 **0-40 ∭** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 **HSLDB** 150



LR 160	0/2 (09794	9	ty	p1: D	=28.0	mm		 	***	362		22.30
			ı > < t			DE :		40<			B18	1 19	900
m m	72.0	72.0	72.0	72.0									
11.0	291.0	291.0	291.0	291.0									
12.0	291.0	291.0	291.0	291.0									
14.0 16.0	293.0 295.0	293.0 295.0	293.0 295.0	293.0 295.0									
18.0	290.0	290.0	290.0	290.0									
20.0	280.0	295.0	299.0	299.0									
22.0	269.0	295.0	301.0	301.0									
24.0	252.0	278.0	287.0	291.0									
26.0 28.0	232.0 213.0	258.0 237.0	271.0 255.0	281.0 270.0									
30.0	194.0	217.0	239.0	259.0									
32.0	182.0	204.0	225.0	245.0									
34.0	170.0	192.0	211.0	230.0									
36.0	157.0	179.0	198.0	216.0									
38.0	145.0	167.0	184.0	202.0									
40.0 44.0	137.0 120.0	157.0 141.0	175.0 157.0	192.0 173.0									
48.0	107.0	124.0	140.0	154.0									
52.0	96.0	113.0	128.0	142.0									
56.0	86.0	102.0	117.0	129.0									
60.0	78.0	93.0	107.0	117.0									
64.0	71.0	85.0	98.0	106.0									
68.0 72.0	66.0 56.0	78.0 63.0	88.0 65.0	92.0 65.0									
72.0	30.0	03.0	03.0	03.0									
* n *	19	19	20	20									
уу —	18.0	18.0	18.0	18.0							-		
zz —	200.0	250.0	300.0	350.0									
_													
o -40													
■ m/s	12.8	12.8	12.8	12.8									
													<u> </u>
		HSLDI 72m	3			150 t		65 t	zz t				



A		09194		- 7	<u> </u>	-20.0						302		22.30
		m	> < t		CO	DE :	>134	11<		Т		B18	1 1/	400
■ m	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
12.0	190.0	234.0	272.0	272.0	272.0	272.0	272.0	272.0	195.0	251.0	270.0	270.0	270.0	270.0
14.0	161.0	199.0	238.0	274.0	274.0	274.0	274.0	274.0	165.0	214.0	262.0	272.0	272.0	272.0
16.0 18.0	139.0 121.0	173.0 151.0	207.0 182.0	241.0 212.0	263.0 243.0	272.0 271.0	275.0 277.0	275.0 277.0	142.0 124.0	185.0 163.0	228.0 201.0	263.0 240.0	274.0 276.0	274.0 276.0
20.0	106.0	134.0	162.0	189.0	217.0	245.0	260.0	263.0	109.0	144.0	179.0	214.0	249.0	261.0
22.0	94.0	120.0	145.0	170.0	195.0	221.0	241.0	249.0	97.0	129.0	161.0	193.0	225.0	246.0
24.0	84.0	107.0	131.0	154.0	177.0	201.0	221.0	234.0	87.0	116.0	146.0	175.0	205.0	231.0
26.0	75.0	97.0	119.0	140.0	162.0	184.0	205.0	219.0	78.0	105.0	133.0	160.0	187.0	215.0
28.0	68.0	88.0	108.0	129.0	149.0	169.0	189.0	203.0	70.0	96.0	121.0	147.0	172.0	198.0
30.0	62.0	80.0	99.0	118.0	137.0	156.0	174.0	188.0	64.0	87.0	111.0	135.0	159.0	183.0
32.0	1	74.0	91.0	109.0	127.0	144.0	158.0	173.0	57.0	80.0	103.0	125.0	148.0	167.0
34.0		68.0	84.0	101.0	118.0	134.0	148.0	162.0	51.0	74.0	95.0	116.0	137.0	156.0
36.0		62.0	78.0	94.0	110.0	125.0	138.0	152.0	46.5	68.0	88.0	108.0	128.0	147.0
38.0	40.5	57.0	72.0	88.0	103.0	117.0	129.0	142.0	42.0	62.0	82.0	101.0	120.0	137.0
40.0 44.0	37.0 29.6	52.0 44.0	67.0 59.0	82.0 72.0	96.0 84.0	108.0 95.0	120.0 106.0	132.0 117.0	38.0 31.0	57.0 48.5	76.0 66.0	95.0 83.0	112.0 98.0	127.0 112.0
44.0	29.6	38.0	59.0	63.0	75.0	95.0 85.0	94.0	104.0	31.0 25.7	48.5	66.0 57.0	73.0	98.0 87.0	100.0
52.0		31.5	44.0	56.0	65.0	74.0	83.0	92.0	21.5	36.0	50.0	65.0	77.0	88.0
56.0		27.2	38.5	49.5	59.0	67.0	75.0	84.0	18.0	30.0	44.0	57.0	70.0	81.0
60.0	13.6	23.6	33.0	43.5	52.0	60.0	68.0	76.0	14.3	26.3	39.0	51.0	63.0	73.0
64.0	11.2	20.5	29.2	39.5	46.5	54.0	61.0	68.0	11.9	23.0	34.0	46.0	56.0	65.0
68.0	9.2	17.0	26.0	34.5	42.5	49.0	56.0	63.0	9.9	20.3	30.0	41.5	51.0	60.0
72.0	7.3	14.9	23.3	31.0	38.0	44.5	51.0	57.0	8.0	17.0	27.2	38.0	46.0	54.0
76.0	5.5	13.1	21.1	28.3	34.0	40.5	46.5	52.0	6.2	15.1	24.7	34.0	42.5	50.0
* n *	12	15	17	18	18	18	18	18	12	16	17	17	18	18
уу _	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
0-40 m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
		HSLDI 78m	3			150 t		65 t	y	zz t				



LR 160	U/2	00101	<u> </u>	ty	p 1. D-	=28.0						362		22.30
		m	1 > < t		CO	DE :	>134	11<				B18	1 1 <i>A</i>	400
m m	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
12.0	270.0	270.0	199.0	262.0	270.0	270.0	270.0	270.0	270.0	270.0	204.0	269.0	269.0	269.0
14.0	272.0	272.0	168.0	224.0	272.0	272.0	272.0	272.0	272.0	272.0	173.0	238.0	270.0	270.0
16.0	274.0	274.0	145.0	194.0	243.0	270.0	273.0	273.0	273.0	273.0	149.0	207.0	261.0	272.0
18.0	276.0	276.0	126.0	170.0	214.0	258.0	274.0	274.0	274.0	274.0	130.0	182.0	234.0	274.0
20.0	267.0	267.0	111.0	151.0	191.0	231.0	260.0	267.0	267.0	267.0	114.0	162.0	209.0	256.0
22.0	258.0	269.0	99.0	135.0	172.0	208.0	243.0	258.0	271.0	278.0	102.0	145.0	188.0	231.0
24.0	249.0	266.0	88.0	122.0	156.0	189.0	223.0	249.0	268.0	278.0	91.0	131.0	171.0	210.0
26.0	233.0	249.0	79.0	111.0	142.0	173.0	204.0	232.0	251.0	262.0	82.0	119.0	156.0	193.0
28.0	217.0	233.0	72.0	101.0	130.0	159.0	188.0	216.0	234.0	247.0	74.0	108.0	143.0	177.0
30.0 32.0	200.0 184.0	216.0	65.0	92.0	119.0 110.0	147.0	174.0	199.0 182.0	217.0	231.0	67.0	99.0	131.0	164.0
34.0	173.0	199.0 187.0	59.0 53.0	85.0 78.0	102.0	136.0 126.0	161.0 150.0	171.0	200.0 188.0	216.0 204.0	60.0	91.0 84.0	122.0 113.0	152.0
36.0	162.0	177.0	47.5	72.0	95.0	118.0	141.0	160.0	177.0	192.0	55.0 49.0	77.0	105.0	142.0 131.0
38.0	152.0	166.0	43.0	66.0	88.0	110.0	131.0	150.0	166.0	181.0	44.0	71.0	97.0	122.0
40.0	142.0	155.0	39.0	60.0	82.0	103.0	122.0	139.0	156.0	170.0	40.5	65.0	90.0	113.0
44.0	126.0	139.0	31.5	51.0	71.0	90.0	108.0	123.0	139.0	152.0	33.0	56.0	78.0	99.0
48.0	113.0	125.0	26.3	44.0	62.0	79.0	96.0	110.0	125.0	138.0	27.3	47.5	68.0	88.0
52.0	100.0	111.0	22.1	38.0	54.0	70.0	84.0	98.0	111.0	123.0	23.0	41.5	60.0	78.0
56.0	91.0	102.0	18.6	32.5	47.5	63.0	77.0	89.0	102.0	114.0	19.4	36.5	54.0	70.0
60.0	83.0	93.0	14.8	28.1	42.0	56.0	69.0	81.0	93.0	104.0	15.5	31.0	47.5	63.0
64.0	75.0	84.0	12.4	24.8	38.0	50.0	62.0	73.0	84.0	95.0	13.0	27.3	42.5	57.0
68.0	69.0	78.0	10.3	21.9	33.5	45.5	57.0	67.0	78.0	88.0	10.9	24.3	38.5	52.0
72.0	63.0	71.0	8.5	19.4	29.8	41.5	52.0	61.0	71.0	81.0	9.2	21.7	34.0	47.5
76.0	58.0	66.0	6.6	16.5	27.2	38.5	47.5	57.0	66.0	74.0	7.3	19.5	31.0	44.0
* n *	18	18	12	17	17	17	18	18	18	18	13	17	17	18
уу —	13.0	13.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	18.0	18.0	18.0	18.0
zz	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0
0-40 m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
		HSLDI 78m	В			150 t		65 t	y y	zz t				



*** 362 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1341< B181 1A00 m > < tm 78.0 78.0 78.0 78.0 12.0 269.0 269.0 269.0 269.0 14.0 270.0 270.0 270.0 270.0 16.0 272.0 272.0 272.0 272.0 18.0 274.0 274.0 274.0 274.0 20.0 265.0 273.0 275.0 275.0 22.0 256.0 273.0 276.0 276.0 24.0 246.0 272.0 277.0 277.0 26.0 229.0 254.0 263.0 267.0 28.0 212.0 237.0 249.0 257.0 30.0 196.0 220.0 236.0 247.0 32.0 202.0 180.0 222.0 238.0 34.0 168.0 190.0 210.0 226.0 36.0 158.0 179.0 198.0 214.0 38.0 147.0 168.0 186.0 202.0 40.0 137.0 158.0 175.0 191.0 44.0 120.0 141.0 157.0 172.0 48.0 107.0 126.0 142.0 156.0 52.0 96.0 112.0 127.0 140.0 56.0 86.0 103.0 117.0 130.0 60.0 78.0 93.0 107.0 119.0 64.0 85.0 72.0 98.0 108.0 68.0 66.0 78.0 91.0 96.0 72.0 60.0 72.0 83.0 84.0 76.0 56.0 65.0 69.0 69.0 * n * 18 18 18 18 18.0 18.0 18.0 18.0 уу 200.0 250.0 300.0 350.0 ΖZ 0-10 m/s 12.8 12.8 12.8 12.8 **HSLDB** 78m



	100	U/ Z	09794	<u> </u>	ty	p1: υ=	-20.0	111111					362		22.30
N.			m	> < t		CO	DE :	>134	12<				B18	1 1E	300
F	m	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
	12.0	183.0	225.0	259.0	259.0	259.0	259.0	259.0	259.0	188.0	242.0	258.0	258.0	258.0	258.0
	14.0	155.0	192.0	230.0	262.0	262.0	262.0	262.0	262.0	159.0	207.0	254.0	259.0	259.0	259.0
	16.0	134.0	167.0	200.0	233.0	254.0	259.0	259.0	259.0	137.0	179.0	221.0	253.0	258.0	258.0
	18.0	116.0	146.0	176.0	206.0	236.0	254.0	264.0	264.0	120.0	158.0	195.0	233.0	258.0	261.0
	20.0	102.0	130.0	157.0	184.0	211.0	238.0	260.0	260.0	106.0	140.0	174.0	208.0	242.0	257.0
	22.0	91.0	116.0	141.0	165.0	190.0	215.0	240.0	243.0	94.0	125.0	156.0	188.0	219.0	242.0
	24.0	81.0	104.0	127.0	150.0	173.0	196.0	219.0	228.0	84.0	113.0	142.0	170.0	199.0	226.0
	26.0	73.0	94.0	115.0	137.0	158.0	179.0	200.0	213.0	75.0	102.0	129.0	156.0	183.0	209.0
	28.0	65.0	85.0	105.0	125.0	145.0	165.0	185.0	199.0	68.0	93.0	118.0	143.0	168.0	193.0
	30.0	59.0	78.0	96.0	115.0	134.0	152.0	171.0	186.0	61.0	85.0	108.0	132.0	155.0	179.0
	32.0 34.0	53.0	71.0	89.0	106.0	124.0	141.0	159.0	172.0	55.0	78.0	100.0	122.0	144.0	166.0
	36.0	48.5	65.0	82.0	98.0	115.0	131.0	145.0	158.0	50.0	71.0	92.0	113.0 105.0	134.0	153.0
	38.0	43.5 39.5	60.0 55.0	75.0 70.0	91.0 85.0	107.0 100.0	123.0 115.0	135.0 127.0	148.0 139.0	45.0 40.5	66.0 60.0	85.0 79.0	98.0	125.0 117.0	143.0 135.0
	40.0	35.5	51.0	65.0	79.0	93.0	108.0	119.0	131.0	37.0	56.0	74.0	92.0	110.0	126.0
	44.0	28.4	43.0	56.0	69.0	82.0	93.0	103.0	113.0	29.5	47.0	64.0	81.0	96.0	110.0
	48.0	23.5	36.5	49.0	61.0	73.0	83.0	92.0	102.0	24.5	40.0	56.0	72.0	86.0	99.0
	52.0	19.4	30.0	42.5	54.0	65.0	74.0	82.0	92.0	20.3	34.0	48.5	63.0	76.0	88.0
	56.0	15.2	25.9	37.0	48.0	56.0	65.0	73.0	81.0	15.9	28.9	42.5	56.0	67.0	78.0
	60.0	12.4	22.3	32.0	42.5	51.0	59.0	66.0	74.0	13.1	25.0	37.5	49.5	61.0	71.0
	64.0	10.0	19.2	27.8	38.0	45.5	53.0	60.0	67.0	10.6	21.7	32.5	44.5	55.0	64.0
	68.0	7.9	15.6	24.6	33.0	40.0	47.0	54.0	60.0	8.5	18.8	28.7	40.0	49.0	58.0
	72.0	5.8	13.4	21.8	29.5	36.5	43.0	49.5	56.0	6.5	15.6	25.7	36.5	45.0	53.0
	76.0		11.5	19.4	26.6	32.5	39.0	44.5	51.0		13.5	23.0	32.0	41.0	48.0
	80.0		9.8	16.4	23.9	29.1	35.0	41.0	46.5		11.8	20.8	29.1	37.0	44.0
	84.0		8.1	14.9	22.1	26.9	32.0	38.5	43.5		10.2	18.9	26.9	34.0	41.5
* 1	n *	11	14	17	17	17	17	17	17	12	15	16	17	17	17
уу		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
ZZ		0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
	_														
	_														
- 1															
0-4	D														
	m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
											4			$\overline{}$	
			HSLDE	3 					65	N.					
							150	III≡ 7		▮▮▮					
			84m						`, " ≡		zz t				
		/\				JL	t	/	t	У:	ý m			<u> </u>	



LK 10	00/2	09134	.9	ιy	p1: υ=	-20.0	111111					362		22.30
		m	1 > < t		CO	DE :	>134	12<				B18	1 1E	300
	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
12.	258.0	258.0	191.0	253.0	257.0	257.0	257.0	257.0	257.0	257.0	196.0	256.0	256.0	256.0
14.	259.0	259.0	162.0	216.0	259.0	259.0	259.0	259.0	259.0	259.0	166.0	230.0	256.0	256.0
16.	258.0	258.0	140.0	188.0	235.0	255.0	259.0	259.0	259.0	259.0	144.0	200.0	250.0	258.0
18.		261.0	122.0	165.0	208.0	250.0	261.0	261.0	261.0	261.0	125.0	176.0	227.0	259.0
20.	1	259.0	108.0	147.0	186.0	225.0	257.0	258.0	258.0	258.0	111.0	157.0	203.0	249.0
22.		249.0	96.0	131.0	167.0	203.0	239.0	248.0	255.0	262.0	98.0	141.0	183.0	225.0
24.		250.0	85.0	118.0	151.0	184.0	217.0	237.0	251.0	263.0	88.0	127.0	166.0	205.0
26.		243.0	77.0	107.0	138.0	169.0	199.0	226.0	245.0	260.0	79.0	115.0	152.0	188.0
28.		228.0	69.0	98.0	126.0	155.0	183.0	212.0	230.0	245.0	71.0	105.0	139.0	173.0
30.		214.0	62.0	89.0	116.0	143.0	170.0	197.0	215.0	230.0	64.0	96.0	128.0	160.0
32.		199.0	57.0	82.0	107.0	132.0	158.0	182.0	200.0	215.0	59.0	88.0	118.0	148.0
34. 36.		184.0	51.0	75.0	99.0	123.0 115.0	147.0	167.0	185.0	200.0	53.0	82.0	110.0	138.0
38.	1	173.0 164.0	46.0 41.5	69.0 64.0	92.0 86.0	107.0	137.0 129.0	157.0 148.0	174.0 165.0	189.0 179.0	47.5 43.0	75.0 69.0	102.0 95.0	129.0 121.0
40.		155.0	38.0	59.0	80.0	107.0	129.0	139.0	155.0	169.0	39.0	64.0	89.0	113.0
44.	1	137.0	30.5	50.0	69.0	89.0	105.0	120.0	136.0	150.0	31.5	55.0	77.0	98.0
48.		124.0	25.1	42.5	60.0	78.0	94.0	109.0	123.0	136.0	26.1	46.5	67.0	87.0
52.	_	111.0	20.9	37.0	53.0	69.0	84.0	97.0	111.0	123.0	21.8	40.0	59.0	77.0
56.		99.0	16.5	31.0	46.0	61.0	74.0	87.0	99.0	111.0	18.2	34.5	52.0	69.0
60.		91.0	13.6	26.8	41.0	55.0	68.0	79.0	91.0	102.0	14.3	29.6	46.0	62.0
64.		83.0	11.1	23.4	36.5	49.0	61.0	72.0	83.0	94.0	11.8	26.0	41.0	56.0
68.		75.0	9.0	20.4	31.5	44.0	55.0	65.0	75.0	85.0	9.6	22.8	37.0	51.0
72.		70.0	6.9	17.0	28.2	40.0	50.0	60.0	70.0	78.0	7.6	20.1	32.5	46.0
76.	1	64.0		14.9	25.5	36.5	45.5	55.0	64.0	71.0	5.6	16.9	29.1	42.0
80.	52.0	59.0		13.1	23.1	32.5	42.0	50.0	59.0	62.0		15.0	26.6	38.5
84.	44.5	47.5		11.6	21.2	30.0	39.0	42.5	46.0	46.0		13.6	24.5	34.5
* n *	17	17	12	16	17	17	17	17	17	17	12	16	16	17
- "	17	17	12	10	17	17	17	- 17	17	17	12	10	10	- 17
уу –	13.0	13.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	18.0	18.0	18.0	18.0
ZZ –	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0
	000.0	555.5	0.0	00.0			200.0	200.0	000.0	000.0	0.0	00.0		
_														
0-40														
0 m/s	s 12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
W 111/3	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
														$\overline{}$
ſ	1				7	<u> </u>	1	65	Res.	AD]	ſ]
		HSLDI	8 			$\overline{}$	11_7	65						
		84m				150	IJ≣⁴			W				
		J-7111				t		t _	▼ y	ym zzt				
							_				_			



Mathematics	B00
12.0 256.0 256.0 256.0 256.0 256.0 14.0 256.0 25	
14.0 256.0 256.0 256.0 256.0 258.0 258.0 258.0 259.0	
14.0 256.0 256.0 256.0 256.0 258.0 258.0 258.0 259.0	
18.0 259.0 259.0 259.0 259.0 259.0 260.0 220.0 256.0 256.0 261.0 261.0 261.0 262.0	
20.0 256.0 256.0 256.0 261.0 261.0 261.0 261.0 261.0 262.0	
22.0 246.0 256.0 261.0 262.0 262.0 262.0 262.0 262.0 262.0 262.0 262.0 262.0 262.0 262.0 262.0 262.0 262.0 262.0 262.0 262.0 262.0 262.0 260.0	
24.0 236.0 253.0 262.0 262.0 26.0 224.0 248.0 259.0 260.0 28.0 207.0 233.0 246.0 250.0 30.0 192.0 218.0 233.0 240.0 32.0 178.0 202.0 219.0 230.0 34.0 165.0 187.0 206.0 221.0 36.0 155.0 176.0 195.0 210.0 38.0 146.0 166.0 185.0 200.0 40.0 136.0 157.0 174.0 190.0 44.0 119.0 137.0 154.0 169.0 48.0 106.0 124.0 140.0 154.0 56.0 85.0 100.0 115.0 127.0 60.0 77.0 92.0 106.0 116.0 64.0 70.0 84.0 97.0 105.0 68.0 64.0 76.0 88.0 94.0 72.0 59.0 70.0 78.0 83.0 76.0 54.0 64.0 6	
26.0 224.0 248.0 259.0 260.0 28.0 207.0 233.0 246.0 250.0 30.0 192.0 218.0 233.0 240.0 32.0 178.0 202.0 219.0 230.0 34.0 165.0 187.0 206.0 221.0 36.0 155.0 176.0 195.0 210.0 38.0 146.0 166.0 185.0 200.0 40.0 136.0 157.0 174.0 190.0 44.0 119.0 137.0 154.0 169.0 48.0 106.0 124.0 140.0 154.0 52.0 95.0 112.0 127.0 140.0 56.0 85.0 100.0 115.0 127.0 60.0 77.0 32.0 106.0 116.0 64.0 76.0 88.0 94.0 72.0 59.0 70.0 78.0 83.0 76.0 54.0 64.0 69.0 73.0 80.0 41.0 41.5 41.5 <	
28.0 207.0 233.0 246.0 250.0 30.0 192.0 218.0 233.0 240.0 32.0 178.0 202.0 219.0 230.0 34.0 165.0 187.0 206.0 221.0 36.0 155.0 176.0 195.0 210.0 38.0 146.0 166.0 185.0 200.0 40.0 136.0 157.0 174.0 190.0 44.0 119.0 137.0 154.0 169.0 48.0 106.0 124.0 140.0 154.0 52.0 95.0 112.0 127.0 140.0 56.0 85.0 100.0 115.0 127.0 60.0 77.0 92.0 106.0 116.0 64.0 76.0 88.0 94.0 72.0 59.0 70.0 78.0 83.0 76.0 54.0 64.0 69.0 73.0 80.0 49.0 57.0 59.0 60.0 84.0 39.0 41.0 41.5 <th></th>	
30.0 192.0 218.0 233.0 240.0 32.0 178.0 202.0 219.0 230.0 34.0 165.0 187.0 206.0 221.0 36.0 155.0 176.0 195.0 210.0 38.0 146.0 166.0 185.0 200.0 40.0 136.0 157.0 174.0 199.0 44.0 119.0 137.0 154.0 169.0 48.0 106.0 124.0 140.0 154.0 52.0 95.0 112.0 127.0 140.0 56.0 85.0 100.0 115.0 127.0 60.0 77.0 92.0 106.0 116.0 64.0 70.0 84.0 97.0 105.0 68.0 64.0 76.0 88.0 94.0 72.0 59.0 70.0 78.0 83.0 76.0 54.0 64.0 69.0 73.0 80.0 49.0 57.0 59.0 60.0 84.0 39.0 41.0 41.5 41.5	_
32.0 178.0 202.0 219.0 230.0 34.0 165.0 187.0 206.0 221.0 36.0 155.0 176.0 195.0 210.0 38.0 146.0 166.0 185.0 200.0 44.0 119.0 137.0 154.0 169.0 44.0 119.0 137.0 154.0 154.0 52.0 95.0 112.0 127.0 140.0 56.0 85.0 100.0 115.0 127.0 60.0 77.0 92.0 106.0 116.0 64.0 76.0 88.0 94.0 76.0 88.0 94.0 76.0 59.0 70.0 78.0 83.0 76.0 54.0 64.0 69.0 73.0 88.0 49.0 57.0 59.0 60.0 84.0 39.0 41.0 41.5 41.5	_
34.0 165.0 187.0 206.0 221.0 36.0 155.0 176.0 195.0 210.0 38.0 146.0 166.0 185.0 200.0 40.0 136.0 157.0 174.0 190.0 44.0 119.0 137.0 154.0 169.0 48.0 106.0 124.0 140.0 154.0 52.0 95.0 112.0 127.0 140.0 56.0 85.0 100.0 115.0 127.0 60.0 77.0 92.0 106.0 116.0 64.0 70.0 84.0 97.0 105.0 68.0 64.0 76.0 88.0 94.0 72.0 59.0 70.0 78.0 83.0 76.0 54.0 64.0 69.0 73.0 80.0 49.0 57.0 59.0 60.0 84.0 39.0 41.0 41.5	
36.0 155.0 176.0 195.0 210.0 38.0 146.0 166.0 185.0 200.0 40.0 136.0 157.0 174.0 190.0 44.0 119.0 137.0 154.0 169.0 48.0 106.0 124.0 140.0 154.0 52.0 95.0 112.0 127.0 140.0 56.0 85.0 100.0 115.0 127.0 60.0 77.0 92.0 106.0 116.0 64.0 70.0 84.0 97.0 105.0 68.0 64.0 76.0 88.0 94.0 72.0 59.0 70.0 78.0 83.0 76.0 54.0 64.0 69.0 73.0 80.0 49.0 57.0 59.0 60.0 84.0 39.0 41.0 41.5 41.5	- 1
38.0 146.0 166.0 185.0 200.0 40.0 136.0 157.0 174.0 190.0 44.0 119.0 137.0 154.0 169.0 48.0 106.0 124.0 140.0 154.0 52.0 95.0 112.0 127.0 140.0 56.0 85.0 100.0 115.0 127.0 60.0 77.0 92.0 106.0 116.0 64.0 70.0 84.0 97.0 105.0 68.0 64.0 76.0 88.0 94.0 72.0 59.0 70.0 78.0 83.0 76.0 54.0 64.0 69.0 73.0 80.0 49.0 57.0 59.0 60.0 84.0 39.0 41.0 41.5 41.5	
40.0 136.0 157.0 174.0 190.0 44.0 119.0 137.0 154.0 169.0 48.0 106.0 124.0 140.0 154.0 52.0 95.0 112.0 127.0 140.0 56.0 85.0 100.0 115.0 127.0 60.0 77.0 92.0 106.0 116.0 64.0 70.0 84.0 97.0 105.0 68.0 64.0 76.0 88.0 94.0 72.0 59.0 70.0 78.0 83.0 76.0 54.0 64.0 69.0 73.0 80.0 49.0 57.0 59.0 60.0 84.0 39.0 41.0 41.5 41.5	
44.0 119.0 137.0 154.0 169.0 48.0 106.0 124.0 140.0 154.0 52.0 95.0 112.0 127.0 140.0 56.0 85.0 100.0 115.0 127.0 60.0 77.0 92.0 106.0 116.0 64.0 70.0 84.0 97.0 105.0 68.0 64.0 76.0 88.0 94.0 72.0 59.0 70.0 78.0 83.0 76.0 54.0 64.0 69.0 73.0 80.0 49.0 57.0 59.0 60.0 84.0 39.0 41.0 41.5 41.5	
48.0 106.0 124.0 140.0 154.0 52.0 95.0 112.0 127.0 140.0 56.0 85.0 100.0 115.0 127.0 60.0 77.0 92.0 106.0 116.0 64.0 70.0 84.0 97.0 105.0 68.0 64.0 76.0 88.0 94.0 72.0 59.0 70.0 78.0 83.0 76.0 54.0 64.0 69.0 73.0 80.0 49.0 57.0 59.0 60.0 84.0 39.0 41.0 41.5 41.5	
52.0 95.0 112.0 127.0 140.0 56.0 85.0 100.0 115.0 127.0 60.0 77.0 92.0 106.0 116.0 64.0 70.0 84.0 97.0 105.0 68.0 64.0 76.0 88.0 94.0 72.0 59.0 70.0 78.0 83.0 76.0 54.0 64.0 69.0 73.0 80.0 49.0 57.0 59.0 60.0 84.0 39.0 41.0 41.5 41.5	
56.0 85.0 100.0 115.0 127.0 60.0 77.0 92.0 106.0 116.0 64.0 70.0 84.0 97.0 105.0 68.0 64.0 76.0 88.0 94.0 72.0 59.0 70.0 78.0 83.0 76.0 54.0 64.0 69.0 73.0 80.0 49.0 57.0 59.0 60.0 84.0 39.0 41.0 41.5 41.5	
60.0 77.0 92.0 106.0 116.0 64.0 70.0 84.0 97.0 105.0 68.0 64.0 76.0 88.0 94.0 72.0 59.0 70.0 78.0 83.0 76.0 54.0 64.0 69.0 73.0 80.0 49.0 57.0 59.0 60.0 84.0 39.0 41.0 41.5 41.5	
68.0 64.0 76.0 88.0 94.0 72.0 59.0 70.0 78.0 83.0 76.0 54.0 64.0 69.0 73.0 80.0 49.0 57.0 59.0 60.0 84.0 39.0 41.0 41.5 41.5	
72.0 59.0 70.0 78.0 83.0 76.0 54.0 64.0 69.0 73.0 80.0 49.0 57.0 59.0 60.0 84.0 39.0 41.0 41.5 41.5	
76.0 54.0 64.0 69.0 73.0 80.0 49.0 57.0 59.0 60.0 84.0 39.0 41.0 41.5 41.5	
80.0 49.0 57.0 59.0 60.0 84.0 39.0 41.0 41.5 41.5	
84.0 39.0 41.0 41.5 41.5	
n 17 17 17 17	
n 17 17 17 17	
n 17 17 17	
n 17 17 17 17	
n 17 17 17 17 17 17 17 17 17 17 17 17 17	
yy 18.0 18.0 18.0 18.0 18.0	\bot
ZZ 200.0 250.0 300.0 350.0	
	+
	_
0-40	
⋓ m/s 12.8 12.8 12.8 12.8	
HSLDB II 65	
84m	
t t yy m zz t	



	400	<i>),</i>	J9794		t y	p 1. D-	=28.0	111111					362		22.30
N A			m	> < t		CO	DE :	>134	13<				B18	1 1C	000
FA	m	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
1	4.0	149.0	186.0	222.0	242.0	242.0	242.0	242.0	242.0	154.0	200.0	241.0	241.0	241.0	241.0
1	6.0	129.0	161.0	194.0	226.0	242.0	242.0	242.0	242.0	133.0	174.0	214.0	240.0	241.0	241.0
1	8.0	113.0	142.0	171.0	200.0	229.0	238.0	242.0	242.0	116.0	153.0	190.0	226.0	239.0	242.0
	20.0	99.0	126.0	152.0	179.0	205.0	232.0	241.0	241.0	102.0	136.0	169.0	203.0	236.0	242.0
1	22.0	88.0	112.0	137.0	161.0	185.0	210.0	230.0	231.0	91.0	121.0	152.0	183.0	214.0	233.0
	24.0	78.0	101.0	123.0	146.0	169.0	191.0	213.0	219.0	81.0	109.0	138.0	166.0	195.0	220.0
	26.0	70.0	91.0	112.0	133.0	154.0	175.0	196.0	207.0	73.0	99.0	125.0	152.0	178.0	205.0
	28.0	63.0	83.0	102.0	122.0	141.0	161.0	181.0	195.0	65.0	90.0	115.0	140.0	164.0	189.0
	0.0	57.0	75.0	94.0	112.0	130.0	149.0	167.0	183.0	59.0	82.0	105.0	129.0	152.0	175.0
	2.0	51.0	69.0	86.0	103.0	121.0	138.0	155.0	171.0	53.0	75.0	97.0	119.0	141.0	163.0
1	4.0 6.0	46.5	63.0	79.0	96.0	112.0	128.0	145.0	159.0	48.5	69.0	90.0	110.0	131.0	152.0
	8.0	42.0	58.0	73.0	89.0	104.0 97.0	120.0 112.0	134.0	147.0	44.0	64.0	83.0	103.0	122.0	141.0
	0.0	38.5 34.0	53.0 49.0	68.0 63.0	83.0 77.0	91.0	105.0	124.0 117.0	137.0 129.0	39.5 36.0	59.0 54.0	77.0 72.0	96.0 90.0	115.0 107.0	132.0 125.0
	4.0	27.5	49.0	54.0	67.0	80.0	93.0	103.0	114.0	28.6	46.0	63.0	79.0	95.0	110.0
	8.0	22.6	35.0	47.0	59.0	71.0	81.0	90.0	100.0	23.6	39.0	55.0	79.0	83.0	96.0
	2.0	18.5	29.2	41.0	52.0	63.0	73.0	81.0	90.0	19.4	33.0	47.5	62.0	75.0	87.0
1	6.0	14.3	25.0	36.0	46.0	56.0	65.0	73.0	81.0	15.1	27.9	41.5	55.0	67.0	78.0
	0.0	11.5	21.3	30.5	41.0	49.0	57.0	64.0	72.0	12.2	24.1	36.5	48.5	59.0	69.0
	4.0	9.1	18.2	26.8	36.5	44.0	52.0	59.0	66.0	9.7	20.7	31.5	43.5	54.0	63.0
6	8.0	6.7	14.7	23.6	32.0	39.0	46.5	53.0	60.0	7.6	17.0	27.7	39.0	48.5	57.0
7	2.0		12.4	20.7	28.2	34.5	41.5	47.5	54.0		14.6	24.6	34.5	43.0	51.0
7	6.0		10.4	18.2	25.4	31.0	37.5	43.5	49.5		12.5	21.9	30.5	39.0	47.0
	80.0		8.4	15.2	22.7	28.1	33.5	40.0	45.5		10.6	19.5	27.8	35.5	43.5
	34.0		6.7	13.4	19.9	25.2	30.0	36.5	41.5		8.8	16.6	25.1	31.5	39.5
8	88.0		5.1	11.9	17.0	23.0	27.7	32.5	38.5		7.1	14.9	22.9	29.0	36.5
* n *	*	9	12	14	15	15	15	15	15	10	13	15	15	15	15
															
уу	\dashv	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
zz	7	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
0-40	m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
			HSLDE 90m	3			150 t		65 t	y y	zz t				



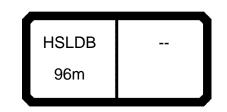
LR 16	00/2	09794	.9	ty	p1: D=	=28.0	mm				***	362		22.30
		m) > < t		CO	DE :	>134	13<				B18	1 10	000
	m 90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
14.	1	241.0	156.0	209.0	240.0	240.0	240.0	240.0	240.0	240.0	161.0	223.0	238.0	238.0
16.	I	241.0	135.0	182.0	228.0	239.0	240.0	240.0	240.0	240.0	139.0	194.0	237.0	238.0
18. 20.	I	242.0 242.0	118.0 104.0	160.0 142.0	202.0 181.0	234.0 219.0	241.0 242.0	241.0 242.0	241.0 242.0	241.0 242.0	121.0 107.0	171.0 152.0	221.0 198.0	239.0 240.0
22.		236.0	92.0	128.0	163.0	198.0	231.0	235.0	235.0	235.0	95.0	137.0	178.0	220.0
24.		231.0	83.0	115.0	147.0	180.0	212.0	226.0	233.0	233.0	85.0	124.0	162.0	200.0
26.	0 219.0	224.0	74.0	104.0	134.0	165.0	195.0	217.0	228.0	228.0	76.0	112.0	148.0	184.0
28.		215.0	67.0	95.0	123.0	151.0	180.0	206.0	220.0	220.0	69.0	102.0	136.0	169.0
30.		204.0	60.0	87.0	113.0	140.0	166.0	193.0	208.0	211.0	62.0	94.0	125.0	156.0
32. 34.		193.0	55.0	80.0	104.0	129.0	154.0	179.0	196.0	202.0	57.0	86.0	116.0	145.0
36.		182.0 171.0	49.5 45.0	73.0 67.0	97.0 90.0	120.0 112.0	144.0 134.0	167.0 155.0	184.0 171.0	194.0 185.0	51.0 46.5	79.0 73.0	107.0 100.0	135.0 126.0
38.		161.0	40.5	62.0	83.0	105.0	126.0	145.0	162.0	176.0	42.0	68.0	93.0	118.0
40.	1	153.0	37.0	58.0	78.0	98.0	118.0	137.0	153.0	167.0	38.0	63.0	87.0	111.0
44.	1	136.0	29.3	49.0	68.0	87.0	105.0	121.0	136.0	150.0	30.5	54.0	76.0	98.0
48.	_	121.0	24.2	41.5	59.0	77.0	92.0	106.0	121.0	134.0	25.2	45.5	66.0	86.0
52.		110.0	20.0	36.0	52.0	68.0	83.0	96.0	110.0	122.0	20.9	39.0	58.0	77.0
56. 60.	_	99.0	15.6	29.9	45.0	60.0	74.0	87.0	99.0	111.0	16.4	33.0	51.0	68.0
64.		89.0 82.0	12.7 10.2	25.9 22.4	40.0 34.5	54.0 48.0	66.0 60.0	77.0 71.0	89.0 82.0	100.0 93.0	13.4 10.9	28.6 25.0	44.5 40.0	61.0 55.0
68.		75.0	8.0	19.4	30.5	43.0	54.0	64.0	75.0	85.0	8.7	21.8	36.0	49.5
72.		68.0	0.0	16.0	27.2	39.0	48.5	58.0	68.0	77.0	6.6	19.1	31.0	44.5
76.	0 55.0	63.0		13.8	24.3	34.5	44.5	54.0	63.0	70.0		15.8	28.0	41.0
80.		58.0		11.9	21.8	31.0	41.0	49.0	58.0	63.0		13.8	25.3	37.5
84.	.	53.0		10.2	19.6	28.4	37.0	45.0	52.0	55.0		12.1	22.9	33.5
88.	0 42.0	47.0		8.4	16.9	26.2	33.5	40.5	44.5	45.0		10.4	20.9	30.5
* n *	15	15	10	13	15	15	15	15	15	15	10	14	15	15
уу -	13.0	13.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	18.0	18.0	18.0	18.0
zz	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0
0-10	70 12 9	12.0	42.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	42.0	12.0	12.0
W m/	s 12.8	12.8 HSLDI	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
	_	90m		·		150 t		t	▼ y:	zz t				



*** 362 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1343< B181 1C00 m > < tm 90.0 90.0 90.0 90.0 14.0 238.0 238.0 238.0 238.0 16.0 238.0 238.0 238.0 238.0 18.0 239.0 239.0 239.0 239.0 20.0 240.0 240.0 240.0 240.0 22.0 233.0 237.0 237.0 237.0 24.0 224.0 234.0 234.0 234.0 26.0 216.0 230.0 230.0 230.0 28.0 203.0 223.0 224.0 224.0 30.0 188.0 211.0 216.0 216.0 32.0 175.0 198.0 207.0 215.0 34.0 163.0 186.0 198.0 209.0 36.0 152.0 173.0 190.0 204.0 38.0 142.0 163.0 181.0 196.0 40.0 135.0 155.0 172.0 187.0 44.0 119.0 138.0 154.0 169.0 48.0 104.0 122.0 137.0 151.0 52.0 94.0 111.0 126.0 139.0 56.0 85.0 100.0 114.0 126.0 60.0 76.0 89.0 103.0 114.0 64.0 69.0 82.0 96.0 103.0 68.0 75.0 63.0 88.0 92.0 72.0 57.0 68.0 80.0 81.0 76.0 52.0 63.0 71.0 71.0 80.0 48.0 58.0 61.0 62.0 84.0 44.0 52.0 52.0 52.0 88.0 39.5 <u>41.</u>5 41.5 41.5 * n * 15 15 15 15 18.0 18.0 18.0 18.0 уу 200.0 250.0 300.0 350.0 ΖZ 0-10 m/s 12.8 12.8 12.8 12.8 **HSLDB** 90m



LR 160	0/2 (03137	3	ιy	p1: υ=	-20.0	111111					362		22.30
	MM	m	ı > < t		CO	DE :	>134	14<				B18	1 10	000
₽ m	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
14.0	143.0	178.0	213.0	225.0	225.0	225.0	225.0	225.0	147.0	191.0	223.0	223.0	223.0	223.0
16.0	123.0	155.0	186.0	218.0	226.0	226.0	226.0	226.0	127.0	167.0	207.0	224.0	224.0	224.0
18.0	107.0	136.0	164.0	193.0	218.0	221.0	221.0	221.0	111.0	147.0	183.0	216.0	221.0	221.0
20.0	94.0	120.0	146.0	172.0	199.0	215.0	215.0	215.0	97.0	130.0	163.0	196.0	219.0	219.0
22.0	83.0	107.0	131.0	155.0	179.0	203.0	206.0	206.0	86.0	116.0	147.0	177.0	207.0	215.0
24.0	74.0	96.0	118.0	141.0	163.0	185.0	195.0	198.0	77.0	105.0	133.0	161.0	189.0	205.0
26.0	66.0	87.0	107.0	128.0	149.0	169.0	185.0	190.0	69.0	95.0	121.0	147.0	173.0	195.0
28.0	59.0	79.0	98.0	117.0	137.0	156.0	175.0	182.0	61.0	86.0	110.0	135.0	159.0	183.0
30.0	53.0	71.0	90.0	108.0	126.0	144.0	162.0	173.0	55.0	78.0	101.0	124.0	147.0	170.0
32.0	48.0	65.0	82.0	99.0	116.0	133.0	150.0	163.0	50.0	71.0	93.0	115.0	136.0	158.0
34.0	43.0	59.0	75.0	92.0	108.0	124.0	140.0	153.0	45.0	65.0	86.0	106.0	127.0	147.0
36.0 38.0	39.0 35.0	54.0	70.0	85.0	100.0	116.0 108.0	131.0	143.0	40.5	60.0	79.0	99.0	118.0 110.0	137.0
40.0	35.0	49.5 45.5	64.0 59.0	79.0 73.0	93.0 87.0	108.0	122.0 113.0	133.0 124.0	36.5 33.0	55.0 51.0	74.0 68.0	92.0 86.0	103.0	129.0 120.0
44.0	25.4	38.0	51.0	64.0	76.0	89.0	101.0	111.0	26.5	43.0	59.0	75.0	91.0	107.0
48.0	20.4	32.0	44.0	56.0	67.0	79.0	88.0	98.0	21.5	36.5	51.0	66.0	81.0	94.0
52.0	15.6	27.0	38.0	49.0	60.0	69.0	78.0	87.0	16.5	30.5	45.0	59.0	72.0	83.0
56.0	12.3	22.5	32.5	43.0	53.0	62.0	70.0	79.0	13.2	25.9	39.0	52.0	64.0	75.0
60.0	9.1	18.7	28.2	38.0	47.0	55.0	63.0	70.0	10.1	22.0	33.5	46.0	57.0	67.0
64.0		15.3	24.3	33.5	41.0	48.5	56.0	63.0	7.2	18.6	29.2	41.0	50.0	60.0
68.0		12.3	20.9	29.4	37.0	43.5	51.0	57.0		15.0	25.6	37.0	45.5	55.0
72.0		9.7	17.8	25.9	32.5	39.0	46.0	52.0		12.6	22.5	32.0	41.0	49.5
76.0		7.4	15.1	22.8	28.4	34.5	41.0	46.5		10.2	19.8	28.5	36.0	44.5
80.0		5.4	12.7	20.1	25.6	31.0	37.0	42.5		8.1	16.5	25.7	32.5	40.5
84.0			10.7	17.4	23.0	28.2	33.5	39.0		6.2	14.5	23.0	29.5	36.5
88.0			8.8	14.7	20.4	25.3	30.0	35.0			12.8	20.4	26.5	33.0
92.0			7.3	12.8	17.4	23.0	27.4	32.0			11.1	17.5	24.2	30.0
96.0			6.3	11.6	15.8	21.4	25.5	28.2			9.5	15.7	22.5	25.8
* n *	9	11	13	14	14	14	14	14	9	12	14	14	14	14
уу	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
ZZ	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
_														
0-40 m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
		HSLDI 96m	3			150 t		65 t	₩ Y	zz t				



LR 160	U/Z \	03137	3	ιy	p 1. D-	=28.0						362		22.30
		m	> < t		CO	DE :	>134	14<				B18	1 1	000
m m m	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
14.0	223.0	223.0	149.0	200.0	222.0	222.0	222.0	222.0	222.0	222.0	154.0	214.0	220.0	220.0
16.0	224.0	224.0	129.0	175.0	220.0	222.0	222.0	222.0	222.0	222.0	133.0	187.0	221.0	221.0
18.0	221.0	221.0	113.0	154.0	195.0	219.0	221.0	221.0	221.0	221.0	116.0	165.0	214.0	221.0
20.0	219.0	219.0	99.0	137.0	174.0	212.0	220.0	220.0	220.0	220.0	102.0	147.0	191.0	220.0
22.0	215.0	215.0	88.0	122.0	157.0	191.0	217.0	217.0	217.0	217.0	91.0	132.0	172.0	213.0
24.0	207.0	207.0	78.0	110.0	142.0	174.0	205.0	210.0	210.0	210.0	81.0	119.0	157.0	194.0
26.0	199.0	199.0	70.0	100.0	130.0	159.0	189.0	203.0	203.0	203.0	72.0	108.0	143.0	178.0
28.0	191.0	191.0	63.0	91.0	119.0	146.0	174.0	196.0	196.0	196.0	65.0	98.0	131.0	164.0
30.0	182.0	184.0	57.0	83.0	109.0	135.0	161.0	186.0	187.0	187.0	59.0	90.0	121.0	151.0
32.0	172.0	177.0	51.0	76.0	100.0	125.0	150.0	174.0	180.0	184.0	53.0	82.0	111.0	140.0
34.0 36.0	163.0	170.0	46.0	69.0	93.0	116.0	139.0	163.0	172.0	179.0	48.0	76.0	103.0	131.0
38.0	153.0 144.0	163.0	41.5	64.0	86.0 80.0	108.0 101.0	130.0	152.0	165.0	174.0	43.5	70.0	96.0	122.0
40.0	135.0	156.0 149.0	37.5 34.0	59.0 54.0	74.0	94.0	122.0 114.0	142.0 132.0	157.0 150.0	169.0 163.0	39.5 35.5	64.0 59.0	89.0 83.0	114.0 107.0
44.0	121.0	134.0	27.3	46.0	64.0	83.0	101.0	118.0	134.0	147.0	28.4	51.0	73.0	94.0
48.0	107.0	119.0	22.2	39.5	56.0	73.0	90.0	104.0	119.0	132.0	23.2	43.0	64.0	84.0
52.0	95.0	106.0	18.0	33.0	49.0	65.0	79.0	93.0	106.0	119.0	18.9	37.0	56.0	74.0
56.0	86.0	97.0	13.7	27.9	43.0	58.0	72.0	84.0	96.0	109.0	14.5	31.0	48.5	66.0
60.0	77.0	87.0	10.8	23.9	37.5	51.0	64.0	76.0	87.0	98.0	11.5	26.6	42.5	59.0
64.0	69.0	78.0	7.8	20.4	32.5	45.5	57.0	68.0	78.0	89.0	8.8	23.0	38.0	52.0
68.0	64.0	72.0		16.6	28.4	41.0	52.0	62.0	72.0	81.0		19.8	33.0	47.0
72.0	58.0	66.0		14.1	25.1	37.0	46.5	56.0	66.0	73.0		16.2	29.0	42.5
76.0	52.0	60.0		11.9	22.3	32.5	42.0	50.0	60.0	66.0		13.9	25.9	38.5
80.0	48.0	55.0		9.9	19.7	29.0	38.0	46.5	55.0	59.0		11.8	23.2	34.5
84.0	44.0	51.0		7.9	16.6	26.3	34.5	43.0	50.0	52.0		10.0	20.8	31.0
88.0	40.5	46.5		6.1	14.7	23.6	30.5	39.0	46.0	46.0		8.1	18.7	28.3
92.0	37.0	40.0			13.1	21.3	28.1	35.5	39.0	39.0		6.3	16.0	25.8
96.0	28.4	29.2			11.5	19.8	23.9	26.5	27.3	27.3			14.6	19.8
* n *	14	14	9	13	14	14	14	14	14	14	10	13	14	14
_														
уу	13.0	13.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	18.0	18.0	18.0	18.0
ZZ	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0
0-40 m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
		HSLDE 96m	3			150 t		65 t	y y	zz t				



LR 160	0/2 (09794	9	ty	p1: D=	=28.0 ı	mm				***	362		22.30
	MM	m	ı > < t		CO	DE >	>134	14<				B18 ⁻	1 1[000
m m m	96.0	96.0	96.0											
14.0	220.0	220.0	220.0											
16.0	221.0	221.0	221.0											
18.0	221.0	221.0	221.0											
20.0	220.0	220.0	220.0											
22.0	218.0	218.0	218.0											
24.0	211.0	212.0	212.0											
26.0	204.0	205.0	205.0											
28.0	197.0	198.0	198.0											
30.0	182.0	191.0	193.0											
32.0	170.0	183.0	188.0											
34.0	158.0	175.0	183.0											
36.0 38.0	148.0	167.0	178.0											
40.0	139.0	159.0	174.0											
44.0	131.0 116.0	151.0 135.0	167.0 152.0											
48.0	103.0	120.0	136.0											
52.0	91.0	107.0	122.0											
56.0	82.0	97.0	112.0											
60.0	74.0	88.0	101.0											
64.0	66.0	79.0	91.0											
68.0	60.0	73.0	82.0											
72.0	55.0	66.0	73.0											
76.0	49.5	60.0	64.0											
80.0	45.5	55.0	57.0											
84.0	42.0	49.0	50.0											
88.0	38.0	43.5	43.5											
92.0	34.0	35.0	35.0											
96.0	22.5	22.5	22.5											
* n *	14	14	14											
	40.0	40.0	40.0											
уу	18.0 200.0	18.0 250.0	18.0 300.0											
zz	200.0	250.0	300.0											
_														
_														
0-40														
` M `	120	12.8	12.0											
U m/s	12.8	1∠.ŏ	12.8											-
														<u> </u>
					זר		חו	C.F.	fab.	AD.				
		HSLDI	3 			\frown	[]	65	Ay I		11			
		96m				150	II≣⁴	- -	▮⊜∜					
		3011)				t		t -	■	⊣ v zz t vy m				
					_	_ `	/	•	, <u> </u>	,				



LR 160	0/2 (09/949 typ1: D=28.0 mm										362		22.30
		m	> < t		CO	DE :	>134	45<				B18	1 1E	- 00
₽ m	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0
14.0	139.0	174.0	195.0	195.0	195.0	195.0	195.0	195.0	143.0	187.0	198.0	198.0	198.0	198.0
16.0	120.0	151.0	182.0	187.0	187.0	187.0	187.0	187.0	124.0	163.0	192.0	192.0	192.0	192.0
18.0 20.0	105.0 93.0	133.0 118.0	161.0 144.0	180.0 169.0	180.0 172.0	180.0 172.0	180.0 172.0	180.0 172.0	109.0 96.0	144.0 128.0	179.0 160.0	186.0 179.0	186.0 179.0	186.0 179.0
22.0	82.0	106.0	129.0	153.0	163.0	163.0	163.0	163.0	85.0	115.0	144.0	172.0	172.0	172.0
24.0	73.0	95.0	117.0	139.0	155.0	155.0	155.0	155.0	76.0	103.0	131.0	158.0	164.0	164.0
26.0	65.0	86.0	106.0	126.0	147.0	147.0	147.0	147.0	68.0	94.0	119.0	145.0	157.0	157.0
28.0 30.0	59.0 53.0	78.0 71.0	97.0 89.0	116.0 106.0	135.0 124.0	140.0 132.0	140.0 132.0	140.0 132.0	61.0 55.0	85.0 77.0	109.0	133.0 123.0	150.0 144.0	150.0 144.0
32.0	47.5	64.0	81.0	98.0	115.0	126.0	127.0	127.0	49.5	71.0	92.0	113.0	135.0	138.0
34.0	43.0	59.0	75.0	91.0	107.0	120.0	123.0	123.0	44.5	65.0	85.0	105.0	125.0	133.0
36.0	38.5	54.0	69.0	84.0	99.0	113.0	119.0	124.0	40.5	60.0	79.0	98.0	117.0	128.0
38.0	35.0	49.5	64.0	78.0	93.0	107.0	115.0	122.0	36.5	55.0	73.0	91.0	110.0	123.0
40.0 44.0	31.5	45.5	59.0 51.0	73.0 63.0	87.0 76.0	100.0	110.0	120.0	33.0	50.0 43.0	68.0	85.0	103.0 91.0	117.0
48.0	25.5 20.5	38.0 32.0	44.0	55.0	67.0	89.0 79.0	100.0 89.0	110.0 99.0	26.8 21.7	36.5	59.0 51.0	75.0 66.0	81.0	106.0 95.0
52.0	15.9	27.0	38.0	48.5	59.0	69.0	78.0	87.0	16.8	31.0	44.5	58.0	72.0	83.0
56.0	12.5	22.6	32.5	43.0	53.0	62.0	70.0	78.0	13.4	26.2	39.0	52.0	64.0	75.0
60.0	9.2	18.7	28.2	37.5	47.0	55.0	63.0	71.0	10.2	22.2	34.0	46.0	58.0	68.0
64.0 68.0		15.3	24.3	33.0	42.0	49.0	56.0	64.0	7.3	18.6	29.4	41.0	51.0	61.0
72.0		12.4 9.7	20.8 17.7	29.3 25.8	37.0 33.5	43.0 39.0	50.0 45.5	57.0 52.0		15.2 12.7	25.8 22.7	37.0 32.0	45.5 41.0	54.0 50.0
76.0		7.4	15.0	22.5	29.5	35.0	41.0	47.5		10.2	19.8	28.7	36.5	45.0
80.0		5.3	12.6	19.0	25.7	31.0	36.5	43.0		8.0	16.6	25.7	32.5	40.5
84.0			10.4	16.6	22.6	27.8	33.0	39.0		6.0	14.5	22.6	29.3	37.0
88.0 92.0			8.5	14.6	19.9	25.3	30.5	35.5			12.7	19.9	26.7	33.5
96.0			6.8 5.3	12.7 11.0	17.2 15.0	22.9 20.7	27.4 24.9	32.0 28.7			10.8 9.2	17.2 15.1	24.1 21.9	30.0 27.0
100.0			5.5	9.6	13.5	18.3	21.5	23.8			7.6	13.6	18.8	22.1
* n *	9	11	12	12	12	12	12	12	9	12	12	12	12	12
_														
уу	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
ZZ	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
0-f0 m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
		HSLDI 102m				150 t		65 t		zz t				



LR 160	U/Z (03137	3	ty	ρ i. D-	=28.0	111111					362		22.30
		m	> < t		CO	DE :	>134	15<				B18	1 1E	00
m m	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0
14.0	198.0	198.0	146.0	196.0	197.0	197.0	197.0	197.0	197.0	150.0	196.0	196.0	196.0	196.0
16.0	192.0	192.0	127.0	171.0	193.0	193.0	193.0	193.0	193.0	130.0	183.0	193.0	193.0	193.0
18.0	186.0	186.0	111.0	151.0	188.0	188.0	188.0	188.0	188.0	114.0	162.0	190.0	190.0	190.0
20.0	179.0	179.0	98.0	135.0	171.0	182.0	182.0	182.0	182.0	101.0	144.0	185.0	185.0	185.0
22.0	172.0	172.0	87.0	121.0	155.0	175.0	175.0	175.0	175.0	90.0	130.0	170.0	179.0	179.0
24.0	164.0	164.0	77.0	109.0	140.0	167.0	167.0	167.0	167.0	80.0	117.0	154.0	172.0	172.0
26.0	157.0	157.0	69.0	99.0	128.0	157.0	161.0	161.0	161.0	72.0	106.0	141.0	165.0	165.0
28.0	150.0	150.0	62.0	90.0	117.0	145.0	154.0	154.0	154.0	65.0	97.0	130.0	159.0	159.0
30.0	144.0	144.0	56.0	82.0	108.0	134.0	147.0	147.0	147.0	58.0	89.0	119.0	150.0	152.0
32.0	138.0	138.0	51.0	75.0	99.0	124.0	141.0	143.0	143.0	53.0	82.0	110.0	139.0	147.0
34.0	136.0	136.0	46.0	69.0	92.0	115.0	134.0	139.0	140.0	48.0	75.0	102.0	130.0	142.0
36.0	133.0	133.0	41.5	63.0	85.0	107.0	128.0	136.0	137.0	43.5	69.0	95.0	121.0	137.0
38.0 40.0	130.0	130.0	37.5	58.0	79.0	100.0	121.0	132.0	134.0	39.5	64.0	89.0	113.0	132.0
44.0	127.0 118.0	127.0	34.0 27.6	54.0	74.0 64.0	94.0 82.0	113.0	128.0	130.0	35.5 28.7	59.0	83.0	106.0 94.0	127.0
44.0	118.0	118.0 108.0	22.5	46.0 39.5	56.0	73.0	101.0 90.0	118.0 105.0	121.0 110.0	28.7	51.0 43.5	72.0 64.0	94.0 84.0	115.0 103.0
52.0														
56.0	94.0 85.0	97.0 89.0	18.1 14.0	33.0 28.1	49.5 43.0	65.0 58.0	79.0 71.0	93.0 84.0	99.0 91.0	19.2 14.8	37.5 31.0	56.0 48.5	74.0 66.0	91.0 82.0
60.0	78.0	82.0	10.9	24.1	38.0	51.0	64.0	76.0	83.0	11.8	26.9	43.0	59.0	75.0
64.0	70.0	75.0	8.0	20.6	32.5	45.5	57.0	68.0	76.0	8.9	23.2	38.0	53.0	67.0
68.0	63.0	68.0	0.0	16.7	28.6	41.0	51.0	61.0	69.0	0.9	20.0	33.0	47.0	60.0
72.0	58.0	62.0		14.2	25.3	37.0	46.5	56.0	62.0		16.3	29.1	42.5	55.0
76.0	53.0	55.0		12.0	22.4	32.5	42.0	51.0	55.0		14.0	26.0	38.5	50.0
80.0	47.5	49.0		9.7	19.8	29.0	37.5	46.5	48.5		11.9	23.2	34.5	45.0
84.0	42.5	43.5		7.7	16.6	26.2	34.0	41.5	43.0		10.1	20.8	31.0	40.5
88.0	38.0	38.5		5.9	14.6	23.7	31.0	37.0	37.5		8.2	18.5	28.3	35.5
92.0	33.5	33.5		0.0	12.9	21.3	28.1	32.5	32.5		6.3	15.8	25.8	31.0
96.0	28.5	28.5			11.3	18.6	25.1	27.4	27.4		0.0	14.1	23.1	25.5
100.0	22.1	22.1			9.6	15.3	20.4	20.7	20.7			12.3	18.3	18.3
* n *	12	12	9	12	12	12	12	12	12	9	12	12	12	12
уу	13.0	13.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	18.0	18.0	18.0	18.0	18.0
ZZ	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0	300.0	0.0	50.0	100.0	150.0	200.0
_														
0-40 m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
		HSLDI 102m				150 t		65 t	y	zz t				



LR 160	0/2 (09794	9	ty	o1: D=	=28.0 r	mm				***	362		22.30
	MM	m	> < t			DE >		15<				B18	1 1E	E00
m m	102.0													
14.0	196.0													
16.0	193.0													
18.0	190.0													
20.0	185.0													
22.0 24.0	179.0 172.0													
26.0	165.0													
28.0	159.0													
30.0	152.0													
32.0 34.0	148.0													
36.0	144.0 141.0													
38.0	137.0													
40.0	133.0													
44.0	124.0													
48.0 52.0	112.0													
56.0	101.0 92.0													
60.0	84.0													
64.0	77.0													
68.0	69.0													
72.0 76.0	62.0													
80.0	55.0 47.5													
84.0	42.0													
88.0	36.5													
92.0	31.0													
96.0 100.0	25.5													
100.0	18.3													
* n *	12													
	12													
уу	18.0													
zz	250.0													
0-40														
m/s	12.8													
4 111/3	12.0													
					1							$\overline{}$	$\overline{}$	$\overline{}$
		HSLDE	3				11 _	65	E					
						150	∐≣ [∓]							
		102m				t		t =	← ∨	y m				
					/	•	/ -	•		,	<u>' </u>		<u> </u>	



LR 160	0/2 (2 09/949 typ1: D=28.0 mm									***	362		22.30
		m	> < t		CO	DE :	>134	46<				B18	1 1F	- 00
₽ m	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0
16.0	117.0	147.0	149.0	149.0	149.0	149.0	121.0	156.0	156.0	156.0	156.0	123.0	159.0	159.0
18.0	102.0	130.0	140.0	140.0	140.0	140.0	106.0	140.0	150.0	150.0	150.0	108.0	147.0	152.0
20.0 22.0	90.0 80.0	115.0 103.0	133.0 125.0	133.0 125.0	133.0 125.0	133.0 125.0	93.0 83.0	125.0 112.0	142.0 135.0	142.0 135.0	142.0 135.0	95.0 85.0	131.0 118.0	145.0 138.0
24.0	71.0	93.0	114.0	116.0	116.0	116.0	74.0	101.0	127.0	127.0	127.0	76.0	106.0	131.0
26.0	64.0	84.0	104.0	110.0	110.0	110.0	66.0	91.0	117.0	119.0	119.0	68.0	97.0	125.0
28.0	57.0	76.0	95.0	103.0	103.0	103.0	59.0	83.0	107.0	112.0	112.0	61.0	88.0	115.0
30.0 32.0	51.0 46.0	69.0 63.0	87.0 80.0	97.0 91.0	97.0 91.0	97.0 91.0	53.0 48.0	76.0 69.0	98.0 90.0	105.0 98.0	105.0 98.0	55.0 49.5	80.0 73.0	106.0 97.0
34.0	41.5	57.0	73.0	87.0	88.0	88.0	43.5	63.0	83.0	95.0	96.0	44.5	67.0	90.0
36.0	37.5	53.0	68.0	83.0	86.0	87.0	39.5	58.0	77.0	91.0	94.0	40.5	62.0	84.0
38.0	34.0	48.0	62.0	77.0	84.0	86.0	35.5	53.0	72.0	88.0	92.0	36.5	57.0	78.0
40.0	30.5	44.0	58.0	71.0	82.0	84.0	32.0	49.0	66.0	84.0	90.0	33.0	53.0	72.0
44.0 48.0	24.5 19.6	37.0 31.0	49.5 42.5	62.0 54.0	75.0 66.0	81.0 73.0	25.9 20.8	41.5 35.5	58.0 50.0	73.0 65.0	86.0 77.0	26.9 21.7	45.0 38.5	63.0 55.0
52.0	15.3	26.0	42.5 37.0	54.0 47.5	58.0	66.0	16.3	30.0	43.5	57.0	69.0	16.9	32.5	48.0
56.0	11.6	21.6	31.5	41.5	52.0	58.0	12.7	25.4	38.0	51.0	60.0	13.4	27.6	42.5
60.0	8.4	17.8	27.2	36.5	46.0	53.0	9.4	21.3	33.0	45.0	55.0	10.1	23.6	37.0
64.0		14.5	23.3	32.0	41.0	48.0	6.5	17.7	28.9	40.0	50.0	7.2	19.9	32.0
68.0 72.0		11.5	19.9	28.2	36.0	43.0		14.6	25.2	35.5	45.0		16.2	28.0
76.0		8.8 6.5	16.8 14.0	24.7 21.6	31.5 28.3	38.0 34.5		11.8 9.2	21.8 18.8	31.5 28.1	40.0 36.0		13.7 11.1	24.7 21.8
80.0		0.5	11.6	18.8	25.2	31.0		7.0	16.0	25.1	32.0		8.8	19.2
84.0			9.4	16.1	22.2	27.3		5.0	13.7	22.2	27.8		6.7	16.0
88.0			7.4	13.7	19.4	23.6			11.5	19.3	23.7			14.0
92.0 96.0			5.6	11.9	17.0	19.7			9.6	16.6	19.4			12.2
100.0				10.1 8.5	14.7 12.0	15.8 12.0			7.8 6.3	14.0 11.1	15.2			10.4 8.7
104.0				7.1	8.3	8.3			0.3	7.1	11.1 7.1			6.1
														-
* n *	7	9	9	9	9	9	7	10	10	10	10	8	10	10
	100	10.0	10.0	10.0	40.0	10.0	40.0	10.0	40.0	10.0	40.0	45.0	45.0	45.0
yy zz	10.0	10.0 50.0	10.0	10.0 150.0	10.0 200.0	10.0 250.0	13.0	13.0 50.0	13.0 100.0	13.0 150.0	13.0	15.0 0.0	15.0 50.0	15.0 100.0
0-40 m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
		HSLDI 108m				150 t		65 t		zz t				



*** 362 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1346< B181 1F00 m > < t108.0 108.0 108.0 108.0 108.0 108.0 m 16.0 159.0 159.0 127.0 160.0 160.0 160.0 18.0 152.0 152.0 111.0 156.0 156.0 156.0 20.0 145.0 145.0 98.0 141.0 149.0 149.0 138.0 127.0 22.0 138.0 87.0 142.0 142.0 24.0 131.0 131.0 78.0 115.0 135.0 135.0 26.0 125.0 125.0 70.0 104.0 129.0 129.0 28.0 118.0 118.0 63.0 95.0 123.0 123.0 30.0 112.0 112.0 57.0 87.0 117.0 117.0 32.0 51.0 108.0 111.0 106.0 106.0 0.08 34.0 102.0 103.0 46.5 100.0 108.0 73.0 36.0 99.0 100.0 42.0 68.0 93.0 105.0 38.0 87.0 95.0 98.0 38.0 63.0 101.0 40.0 92.0 34.5 58.0 81.0 98.0 95.0 44.0 81.0 89.0 28.3 49.5 71.0 92.0 48.0 72.0 80.0 23.0 42.5 62.0 82.0 52.0 64.0 71.0 18.4 36.5 55.0 73.0 56.0 57.0 62.0 14.3 30.5 48.0 64.0 60.0 51.0 56.0 11.1 26.4 42.5 58.0 64.0 45.0 51.0 8.1 22.7 37.5 52.0 68.0 40.5 45.5 19.5 32.5 46.0 72.0 36.5 40.5 15.8 28.6 40.5 76.0 31.5 36.5 25.4 36.0 13.5 80.0 28.4 11.3 22.6 31.5 32.0 84.0 25.6 27.6 9.2 20.1 26.9 88.0 7.2 17.0 21.9 23.2 22.4 92.0 18.0 18.8 5.4 15.0 17.8 96.0 14.1 14.4 12.2 13.3 100.0 10.2 10.2 8.9 8.9 104.0 6.3 6.3 * n * 10 10 8 10 10 10 15.0 15.0 18.0 18.0 18.0 18.0 уу 150.0 200.0 0.0 50.0 100.0 150.0 ΖZ 0-10 **⋓** m/s 12.8 12.8 12.8 12.8 12.8 12.8 **HSLDB** 108m



LR 160	0/2 (J9794	.9	ty	p1: D=	=28.0	mm				***	362		22.30
	MM	m	ı > < t		CO	DE :	>134	47<				B18	1 20	000
m m	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0
16.0	111.0	141.0	152.0	152.0	152.0	152.0	152.0	152.0	115.0	152.0	159.0	159.0	159.0	159.0
18.0 20.0	97.0 86.0	124.0 110.0	146.0 135.0	146.0 137.0	146.0 137.0	146.0 137.0	146.0 137.0	146.0 137.0	101.0 89.0	135.0 120.0	156.0 151.0	156.0 154.0	156.0 154.0	156.0 154.0
22.0	76.0	98.0	121.0	134.0	134.0	134.0	134.0	134.0	78.0	107.0	136.0	153.0	153.0	153.0
24.0	67.0	88.0	110.0	131.0	131.0	131.0	131.0	131.0	70.0	96.0	123.0	150.0	152.0	152.0
26.0	60.0	80.0	99.0	119.0	127.0	128.0	128.0	128.0	62.0	87.0	112.0	137.0	149.0	150.0
28.0	53.0	72.0	90.0	109.0	122.0	126.0	128.0	128.0	56.0	79.0	102.0	126.0	143.0	149.0
30.0 32.0	48.0 42.5	65.0 59.0	83.0 76.0	100.0 92.0	117.0 109.0	125.0 124.0	128.0 128.0	128.0 128.0	49.5 44.5	72.0 65.0	94.0 86.0	116.0 107.0	138.0 128.0	147.0 145.0
34.0	38.0	54.0	69.0	85.0	101.0	116.0	128.0	128.0	40.0	60.0	79.0	99.0	119.0	138.0
36.0	34.0	49.0	64.0	79.0	93.0	108.0	123.0	124.0	36.0	54.0	73.0	92.0	111.0	129.0
38.0	30.5	44.5	59.0	73.0	87.0	101.0	115.0	119.0	32.0	50.0	68.0	86.0	103.0	121.0
40.0	27.1	40.5	54.0	68.0	81.0	95.0	108.0	114.0	28.6	45.5	63.0	80.0	97.0	114.0
44.0 48.0	21.2 16.3	33.5 27.8	46.0 39.0	58.0 51.0	71.0 62.0	83.0 74.0	96.0 85.0	104.0 94.0	22.6 17.6	38.0 32.0	54.0 46.5	70.0 61.0	85.0 75.0	101.0 90.0
52.0	12.1	22.7	33.5	44.0	55.0	65.0	76.0	94.0 85.0	13.2	26.7	40.0	54.0	67.0	80.0
56.0	8.4	18.4	28.3	38.5	48.0	58.0	67.0	75.0	9.5	22.1	34.5	47.0	60.0	72.0
60.0		14.6	23.9	33.5	42.5	51.0	59.0	66.0		18.0	29.8	41.5	53.0	63.0
64.0		11.3	20.0	28.8	37.5	46.0	53.0	60.0		14.5	25.6	36.5	48.0	57.0
68.0 72.0		8.3	16.6	24.9	33.5	40.5	48.0	54.0		11.4	21.9	32.5	43.0	52.0
72.0 76.0		5.7	13.6 10.8	21.5 18.4	29.2 25.2	35.5 31.5	42.5 37.5	48.5 43.5		8.6 6.1	18.5 15.6	28.5 25.1	37.5 33.0	46.0 41.0
80.0			8.4	15.6	22.2	28.2	34.0	39.5		0.1	12.9	22.0	29.9	37.5
84.0			6.2	13.0	19.1	25.2	30.5	35.5			10.5	19.2	26.7	33.5
88.0				10.8	16.1	22.1	26.9	31.5			8.3	16.2	23.5	29.7
92.0				8.7	13.6	19.3	23.7	28.4			6.4	13.7	20.7	26.4
96.0 100.0				6.9 5.2	11.9 10.2	17.0 14.6	21.2 18.6	26.0 23.6				12.0 10.2	18.3 15.9	23.7 21.0
104.0				5.2	8.5	12.2	16.0	19.5				8.5	13.5	18.3
108.0					7.1	10.7	13.3	15.1				7.1	11.8	15.1
112.0					5.6	7.4	9.1	10.9				5.9	8.7	10.9
* n *	7	9	9	9	9	9	9	9	7	9	10	10	10	10
	4.5.5	46.5	10.0	46.5	46.5	46.5	10.5	46.5	16.5	46.5	16.5	46.5	46.5	46.5
уу zz	0.0	10.0 50.0	10.0	150.0	10.0 200.0	10.0 250.0	10.0 300.0	10.0 350.0	0.0	13.0 50.0	13.0	13.0 150.0	13.0 200.0	13.0 250.0
0-40 m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
		HSLDI 114m				150 t		65 t	y y	zz t				



LR 160	0/2 \	03137	3	ty	рт: D=	-20.0						362		22.30
		m	> < t		CO	DE :	>134	47<				B18	1 20	000
m m	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0
16.0	159.0	159.0	117.0	160.0	162.0	162.0	162.0	162.0	162.0	162.0	121.0	161.0	161.0	161.0
18.0	156.0	156.0	103.0	141.0	162.0	162.0	162.0	162.0	162.0	162.0	106.0	152.0	160.0	160.0
20.0	154.0	154.0	91.0	126.0	159.0	161.0	161.0	161.0	161.0	161.0	93.0	135.0	159.0	159.0
22.0	153.0	153.0	80.0	113.0	146.0	160.0	160.0	160.0	160.0	160.0	83.0	122.0	157.0	157.0
24.0	152.0	152.0	71.0	102.0	132.0	159.0	159.0	159.0	159.0	159.0	74.0	110.0	146.0	155.0
26.0	150.0	150.0	64.0	92.0	120.0	149.0	156.0	157.0	157.0	157.0	66.0	100.0	133.0	152.0
28.0	150.0	150.0	57.0	84.0	110.0	137.0	152.0	155.0	155.0	155.0	59.0	91.0	122.0	147.0
30.0	150.0	150.0	51.0	76.0	101.0	126.0	147.0	153.0	153.0	153.0	53.0	83.0	112.0	142.0
32.0	149.0	149.0	46.0	69.0	93.0	117.0	141.0	151.0	151.0	151.0	47.5	76.0	104.0	132.0
34.0 36.0	147.0	148.0	41.0	64.0	86.0	108.0	131.0	148.0	148.0	148.0	43.0	69.0	96.0	123.0
	141.0	143.0	37.0	58.0	80.0	101.0	122.0	141.0	143.0	143.0	38.5	64.0	89.0	114.0
38.0 40.0	134.0	139.0	33.0	53.0	74.0	94.0	114.0	134.0	139.0	143.0	34.5	59.0	83.0	107.0
44.0	128.0 114.0	134.0 125.0	29.6 23.5	49.0 41.5	68.0 59.0	88.0 77.0	107.0 95.0	127.0 113.0	134.0 125.0	140.0 134.0	31.0 24.9	54.0 46.0	77.0 67.0	100.0 88.0
48.0	103.0	125.0	18.4	35.0	59.0	68.0	95.0 84.0	101.0	125.0	125.0	19.6	39.0	59.0	78.0
52.0	93.0	104.0	14.0	29.3	44.5	60.0	75.0	91.0	104.0	125.0	15.1	39.0	59.0 51.0	78.0 70.0
56.0	82.0	93.0	10.2	24.5	39.0	53.0	67.0	81.0	93.0	104.0	11.3	28.2	45.0	62.0
60.0	73.0	83.0	6.9	20.3	34.0	47.0	60.0	72.0	83.0	94.0	7.9	23.8	39.5	56.0
64.0	67.0	76.0	0.5	16.7	29.3	42.0	54.0	65.0	76.0	87.0	1.5	19.9	34.5	49.5
68.0	60.0	69.0		13.4	25.4	37.5	49.0	59.0	69.0	79.0		16.3	29.8	44.0
72.0	54.0	63.0		10.5	21.9	33.0	43.5	53.0	62.0	72.0		13.4	26.3	39.5
76.0	49.0	57.0		7.9	18.7	28.8	38.5	47.5	57.0	66.0		10.7	23.2	35.5
80.0	44.5	52.0		5.6	15.9	25.6	35.0	43.5	52.0	61.0		8.3	20.4	31.0
84.0	40.5	48.0		0.0	13.4	22.4	31.5	39.0	48.0	56.0		6.0	17.0	28.0
88.0	36.5	43.5			11.1	19.2	27.7	35.0	43.5	50.0		0.0	14.8	25.3
92.0	33.0	39.5			9.0	16.5	24.5	31.5	39.5	44.0			12.9	22.2
96.0	30.0	34.5			7.1	14.7	21.9	29.0	35.0	38.0			11.0	19.7
100.0	26.7	29.3			5.5	12.8	19.3	26.4	29.8	32.5			9.2	17.3
104.0	22.0	24.4				11.0	16.7	22.1	24.9	27.7			7.5	14.8
108.0	17.5	19.9				9.5	14.9	17.6	20.3	23.1			5.9	13.1
112.0	13.2	15.5				8.1	10.7	13.3	15.9	18.6				
* n *	10	10	7	10	10	10	10	10	10	10	7	10	10	10
	13.0	13.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	18.0	18.0	18.0	18.0
yy zz	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0
	300.0	200.0	3.3	23.0	. 55.5	. 55.5			200.0	200.0	3.0	23.0	. 55.6	
_														
0-40 m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
		HSLDI 114m				150 t		65 t		zz t				



*** 362 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1347< B181 2000 m > < t114.0 114.0 114.0 114.0 m 16.0 161.0 161.0 161.0 161.0 18.0 160.0 160.0 160.0 160.0 20.0 159.0 159.0 159.0 159.0 157.0 157.0 22.0 157.0 157.0 24.0 155.0 155.0 155.0 155.0 26.0 153.0 153.0 153.0 153.0 28.0 151.0 151.0 151.0 151.0 30.0 149.0 149.0 149.0 149.0 32.0 147.0 147.0 147.0 147.0 34.0 144.0 144.0 144.0 144.0 36.0 140.0 140.0 137.0 140.0 38.0 137.0 139.0 139.0 131.0 40.0 123.0 133.0 137.0 137.0 44.0 109.0 125.0 132.0 132.0 48.0 98.0 116.0 124.0 126.0 52.0 88.0 105.0 115.0 119.0 56.0 79.0 94.0 106.0 113.0 60.0 70.0 84.0 97.0 106.0 64.0 64.0 77.0 90.0 99.0 68.0 58.0 70.0 82.0 92.0 72.0 52.0 63.0 74.0 85.0 76.0 46.5 68.0 79.0 57.0 80.0 42.5 53.0 63.0 71.0 84.0 38.0 48.5 58.0 63.0 88.0 34.0 44.0 52.0 56.0 92.0 40.0 30.5 45.5 49.5 96.0 36.0 40.0 43.5 28.2 100.0 25.6 31.0 34.5 38.0 104.0 22.6 25.9 29.3 32.5 108.0 18.1 21.3 24.6 27.9 112.0 * n * 10 10 10 10 18.0 18.0 18.0 18.0 уу 200.0 250.0 300.0 350.0 ΖZ 0-10 **⋓** m/s 12.8 12.8 12.8 12.8 **HSLDB** 114m



LR 160	0/2 (/2 097949 typ1: D=28.0 mm									***	362		22.30
	MM	m) > < t		CO	DE :	>134	48<				B18	1 21	100
m m m	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
16.0	108.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0	112.0	134.0	134.0	134.0	134.0	134.0
18.0	95.0	118.0	118.0 114.0	118.0	118.0	118.0 114.0	118.0	118.0	98.0	131.0 117.0	133.0 132.0	133.0	133.0 132.0	133.0 132.0
20.0 22.0	83.0 74.0	108.0 96.0	114.0	114.0 114.0	114.0 114.0	114.0	114.0 114.0	114.0 114.0	86.0 76.0	105.0	130.0	132.0 131.0	131.0	131.0
24.0	66.0	86.0	107.0	113.0	113.0	113.0	113.0	113.0	68.0	94.0	121.0	131.0	131.0	131.0
26.0	58.0	78.0	97.0	112.0	112.0	112.0	112.0	112.0	61.0	85.0	110.0	130.0	130.0	130.0
28.0	52.0	70.0	89.0	107.0	110.0	110.0	110.0	110.0	54.0	77.0	100.0	123.0	128.0	129.0
30.0	46.5	64.0	81.0	98.0	108.0	111.0	111.0	111.0	48.5	70.0	92.0	114.0	125.0	129.0
32.0 34.0	41.5 37.0	58.0 52.0	74.0 68.0	90.0 83.0	105.0 99.0	111.0 111.0	111.0 111.0	111.0 111.0	43.5 39.0	64.0 58.0	84.0 78.0	105.0 97.0	123.0 117.0	128.0 128.0
36.0	33.0	47.5	62.0	77.0	92.0	106.0	110.0	110.0	34.5	53.0	72.0	90.0	109.0	125.0
38.0	29.4	43.5	57.0	71.0	85.0	99.0	105.0	107.0	31.0	48.5	66.0	84.0	102.0	119.0
40.0	26.2	39.5	53.0	66.0	80.0	93.0	101.0	104.0	27.6	44.5	61.0	78.0	95.0	112.0
44.0	20.4	32.5	45.0	57.0	69.0	82.0	92.0	98.0	21.7	37.0	53.0	68.0	84.0	99.0
48.0 52.0	15.5	26.9	38.0	49.5	61.0	72.0	83.0	92.0	16.7	31.0	45.5	60.0	74.0	88.0
56.0	11.3 7.7	21.9 17.6	32.5 27.4	43.0 37.5	54.0 47.0	64.0 57.0	75.0 67.0	83.0 75.0	12.5 8.8	25.8 21.2	39.0 33.5	52.0 46.0	66.0 59.0	79.0 71.0
60.0	7.7	13.8	23.1	32.5	41.5	51.0	59.0	66.0	0.0	17.2	28.9	40.5	52.0	63.0
64.0		10.5	19.2	28.0	36.5	44.5	52.0	59.0		13.7	24.7	36.0	47.0	56.0
68.0		7.5	15.8	24.1	32.5	40.0	47.0	54.0		10.6	21.0	31.5	42.0	51.0
72.0			12.8	20.6	28.4	35.5	42.0	48.5		7.8	17.7	27.6	37.0	46.0
76.0 80.0			10.0	17.5	25.0	30.5	36.5	43.5		5.3	14.7	24.2	32.0	41.0
84.0			7.6 5.3	14.7 12.1	21.6 18.9	26.8 23.8	32.5 29.6	39.0 35.5			12.0 9.6	21.0 18.2	28.3 25.2	37.0 33.5
88.0			0.0	9.8	16.2	20.8	26.6	32.0			7.4	15.7	22.2	29.9
92.0				7.8	13.5	17.8	23.6	28.3			5.4	13.3	19.1	26.4
96.0				5.9	11.1	15.1	20.7	25.0				11.1	16.4	23.2
100.0 104.0					9.5	13.4	18.4	21.3				9.3	14.6	20.7
104.0					7.9 6.3	11.7 8.8	14.8 10.6	16.7 12.4				7.6 6.0	12.8 10.1	16.8 12.5
112.0					0.3	0.0	6.6	8.4				0.0	6.2	8.4
116.0														
* n *	7	7	7	7	7	7	7	7	7	8	8	8	8	8
		-	-	-	-	-			-			-		
уу	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
ZZ	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
_														
_														
0-40 m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
		HSLDI 120m				150 t		65 t	y y	zz t				



LR 160	0/2 \	09794	. 9	ιy	ρ i. υ=	=28.0	ШП				***	362		22.30	
		m> <t code="">1348<</t>									B181 2100				
■ m	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	
16.0	134.0	134.0	114.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	117.0	138.0	138.0	138.0	
18.0	133.0	133.0	100.0	138.0	139.0	139.0	139.0	139.0	139.0	139.0	103.0	137.0	137.0	137.0	
20.0	132.0	132.0	88.0	123.0	138.0	138.0	138.0	138.0	138.0	138.0	91.0	132.0	135.0	135.0	
22.0 24.0	131.0 131.0	131.0 131.0	78.0 69.0	110.0 99.0	136.0 129.0	136.0 135.0	136.0 135.0	136.0 135.0	136.0 135.0	136.0 135.0	81.0 72.0	119.0 107.0	134.0 132.0	134.0 132.0	
26.0	130.0	130.0	62.0	90.0	118.0	134.0	134.0	134.0	134.0	134.0	64.0	97.0	130.0	130.0	
28.0	129.0	129.0	55.0	82.0	108.0	129.0	132.0	132.0	132.0	132.0	58.0	89.0	120.0	128.0	
30.0	129.0	129.0	49.5	74.0	99.0	124.0	130.0	130.0	130.0	130.0	52.0	81.0	110.0	126.0	
32.0	128.0	128.0	44.5	68.0	91.0	115.0	128.0	128.0	128.0	128.0	46.5	74.0	102.0	124.0	
34.0	128.0	128.0	40.0	62.0	84.0	107.0	126.0	126.0	126.0	126.0	41.5	68.0	94.0	121.0	
36.0	125.0	125.0	36.0	57.0	78.0	99.0	120.0	123.0	123.0	123.0	37.5	62.0	87.0	112.0	
38.0	121.0	121.0	32.0	52.0	72.0	92.0	113.0	119.0	121.0	121.0	33.5	57.0	81.0	105.0	
40.0 44.0	117.0	121.0	28.6	48.0	67.0	86.0	106.0	115.0	118.0	118.0	30.0	53.0	76.0	98.0	
44.0	109.0 101.0	116.0 111.0	22.6 17.6	40.5 34.0	58.0 50.0	76.0 67.0	93.0 83.0	107.0 99.0	113.0 108.0	113.0 108.0	24.0 18.8	45.0 38.0	66.0 57.0	87.0 77.0	
52.0	91.0	102.0	17.6	28.4	43.5	59.0	74.0	99.0 89.0	108.0	108.0	14.4	38.0	50.0	68.0	
56.0	82.0	92.0	9.5	23.7	38.0	52.0	66.0	80.0	91.0	97.0	10.5	27.4	44.0	61.0	
60.0	73.0	83.0	6.2	19.5	33.0	46.0	60.0	71.0	82.0	91.0	7.2	23.0	39.0	55.0	
64.0	66.0	75.0		15.9	28.4	41.0	54.0	64.0	74.0	85.0		19.1	34.0	49.0	
68.0	60.0	69.0		12.6	24.5	36.5	48.5	58.0	68.0	78.0		15.7	29.4	43.5	
72.0	54.0	62.0		9.7	21.0	32.5	43.0	53.0	62.0	72.0		12.6	25.8	39.0	
76.0	48.5	56.0		7.1	17.9	28.6	38.0	47.0	56.0	65.0		9.9	22.6	34.5	
80.0	43.5	51.0			15.1	25.0	33.5	42.5	51.0	59.0		7.4	19.6	30.5	
84.0 88.0	40.0	47.0			12.5	22.1	30.5	38.5	47.0	54.0		5.2	16.5	27.5	
92.0	36.0 32.5	43.0 37.0			10.2 8.1	19.2 16.3	27.3 24.2	35.0 31.0	42.5 37.5	47.0 41.0			14.3 12.1	24.7 22.0	
96.0	28.9	31.5			6.2	13.8	21.3	27.9	32.0	35.0			10.0	19.3	
100.0	23.9	26.5			0.2	12.1	18.9	24.0	27.0	29.9			8.1	17.0	
104.0	19.2	21.7				10.4	16.5	19.4	22.2	25.0			6.4	14.7	
108.0	14.9	17.2				8.7	12.2	15.0	17.7	20.4				12.1	
112.0	10.7	13.0				5.6	8.2	10.8	13.4	16.1				8.1	
116.0	6.8	9.0						6.9	9.4	11.9					
* n *	8	8	7	9	9	9	9	9	9	9	7	9	9	9	
														-	
уу	13.0	13.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	18.0	18.0	18.0	18.0	
zz	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	
0-40 m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	
		HSLDI 120m				150 t		65 t	y y	zz t					



LR 1600/2 -- 097949 typ1: D=28.0 mm *** 362 22.30 CODE >1348< B181 2100 m > < t120.0 120.0 120.0 120.0 m 16.0 138.0 138.0 138.0 138.0 18.0 137.0 137.0 137.0 137.0 20.0 135.0 135.0 135.0 135.0 134.0 22.0 134.0 134.0 134.0 24.0 132.0 132.0 132.0 132.0 26.0 130.0 130.0 130.0 130.0 28.0 128.0 128.0 128.0 128.0 30.0 126.0 126.0 126.0 126.0 32.0 124.0 124.0 124.0 124.0 34.0 122.0 122.0 122.0 122.0 36.0 119.0 120.0 120.0 120.0 38.0 115.0 117.0 117.0 117.0 40.0 112.0 115.0 115.0 115.0 44.0 104.0 110.0 110.0 110.0 48.0 96.0 105.0 105.0 105.0 52.0 86.0 98.0 101.0 102.0 56.0 78.0 90.0 97.0 98.0 60.0 70.0 82.0 93.0 95.0 64.0 63.0 75.0 88.0 91.0 68.0 57.0 69.0 81.0 86.0 72.0 51.0 63.0 74.0 81.0 76.0 46.0 57.0 68.0 76.0 80.0 41.0 52.0 62.0 68.0 84.0 37.5 47.5 56.0 60.0 88.0 34.0 44.0 49.0 53.0 92.0 30.5 39.0 42.5 46.5 96.0 37.0 26.9 33.5 40.5 100.0 24.3 28.1 31.5 35.0 104.0 19.8 23.2 26.6 30.0 108.0 18.7 15.4 22.0 25.2 112.0 11.2 14.4 17.6 20.7 116.0 7.3 10.3 13.4 16.4 * n * 9 9 9 9 18.0 18.0 18.0 18.0 уу 200.0 250.0 300.0 350.0 ΖZ 0-10 **⋓** m/s 12.8 12.8 12.8 12.8 **HSLDB** 120m



LR 160	0/2 (J9794	.9	ty	p1: D=	=28.0	mm				***	362		22.30	
	MM	m	ı > < t	CODE >1349<						B181 2200					
□ m	126.0	126.0	126.0	126.0	126.0	126.0	126.0	126.0	126.0	126.0	126.0	126.0	126.0	126.0	
16.0 18.0	92.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	95.0	115.0	115.0	115.0	115.0	115.0	
20.0	81.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	84.0	114.0	114.0	114.0	114.0	114.0	
22.0 24.0	72.0 63.0	94.0 84.0	94.0 94.0	94.0 94.0	94.0 94.0	94.0	94.0	94.0 94.0	74.0 66.0	102.0 92.0	113.0 113.0	113.0 113.0	113.0 113.0	113.0 113.0	
26.0	56.0	76.0	94.0	94.0	94.0	94.0	94.0	94.0	59.0	83.0	107.0	112.0	112.0	112.0	
28.0	50.0	68.0	86.0	93.0	94.0	94.0	94.0	94.0	52.0	75.0	98.0	111.0	111.0	111.0	
30.0	45.0	62.0	79.0	91.0	94.0	94.0	94.0	94.0	47.0	68.0	90.0	107.0	110.0	110.0	
32.0 34.0	40.0 35.5	56.0 51.0	72.0 66.0	88.0 81.0	94.0 94.0	94.0 94.0	94.0 94.0	94.0 94.0	42.0 37.5	62.0 57.0	82.0 76.0	103.0 95.0	109.0 108.0	109.0 108.0	
36.0	31.5	46.0	61.0	75.0	90.0	94.0	94.0	94.0	33.5	52.0	70.0	88.0	107.0	107.0	
38.0	28.2	42.0	56.0	70.0	84.0	93.0	94.0	94.0	29.7	47.0	65.0	82.0	100.0	103.0	
40.0	24.9	38.0	51.0	65.0	78.0	89.0	91.0	91.0	26.4	43.0	60.0	77.0	93.0	100.0	
44.0	19.3	31.5	43.5	56.0	68.0	80.0	85.0	90.0	20.6	36.0	51.0	67.0	82.0	93.0	
48.0	14.5	25.7	37.0	48.0	59.0	71.0	80.0	87.0	15.7	29.9	44.0	58.0	72.0	86.0	
52.0 56.0	10.3 6.8	20.8	31.5 26.3	41.5 36.0	52.0 46.0	63.0 56.0	73.0 65.0	82.0 74.0	11.5 7.8	24.7 20.2	38.0 32.5	51.0 45.0	64.0 57.0	78.0 70.0	
60.0	0.0	12.8	22.0	31.0	40.5	49.5	58.0	66.0	7.0	16.2	27.8	39.5	51.0	63.0	
64.0		9.5	18.2	26.9	35.5	44.0	51.0	58.0		12.7	23.7	34.5	45.5	55.0	
68.0		6.6	14.8	23.0	31.0	39.5	45.5	53.0		9.7	20.0	30.5	40.5	50.0	
72.0			11.8	19.6	27.4	35.0	41.0	47.5		6.9	16.7	26.6	36.5	45.0	
76.0 80.0			9.1	16.5	23.9	31.0	36.5	42.5			13.8	23.1	32.5	40.0	
84.0			6.7	13.7 11.2	20.8 18.0	26.5 23.2	32.0 28.2	37.5 34.0			11.1 8.7	20.1 17.3	28.1 24.7	35.5 31.5	
88.0				8.9	15.4	20.5	25.2	31.0			6.5	14.7	22.0	28.8	
92.0				6.8	13.1	17.8	22.3	27.9			0.0	12.4	19.2	25.9	
96.0					10.9	15.1	19.3	22.9				10.3	16.4	23.0	
100.0					8.7	12.5	16.1	18.0				8.4	13.8	18.1	
104.0 108.0					7.2	9.7	11.6	13.5				6.6	11.1	13.5	
112.0						5.6	7.5	9.3 5.3					7.0	9.3 5.3	
116.0								0.0						0.0	
120.0															
* n *	6	6	6	6	6	6	6	6	6	7	7	7	7	7	
уу	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0	
zz	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0	
0-40 m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	
HSLDB 150 t t															



LR 160		03137	· •	ιy	p1: D=	-20.0	111111					362	•	22.30
		m	> < t		CO	DE :	>134	19<				B18	1 22	200
m m	126.0	126.0	126.0	126.0	126.0	126.0	126.0	126.0	126.0	126.0	126.0	126.0	126.0	126.0
16.0				120.0	120.0	120.0	120.0	120.0	120.0	120.0		118.0	118.0	118.0
18.0	115.0	115.0	97.0	119.0	119.0	119.0	119.0	119.0	119.0	119.0	100.0	117.0	117.0	117.0
20.0	114.0	114.0	85.0	118.0	118.0	118.0	118.0	118.0	118.0	118.0	88.0	115.0	115.0	115.0
22.0 24.0	113.0 113.0	113.0	76.0 67.0	107.0	116.0	116.0 115.0	116.0	116.0	116.0	116.0	78.0	114.0	114.0 112.0	114.0 112.0
26.0	112.0	113.0 112.0	60.0	97.0 88.0	115.0 113.0	113.0	115.0 113.0	115.0 113.0	115.0 113.0	115.0 113.0	70.0 62.0	105.0 95.0	110.0	110.0
28.0	111.0	111.0	54.0	80.0	106.0	111.0	111.0	111.0	111.0	111.0	56.0	86.0	108.0	108.0
30.0	110.0	110.0	48.0	72.0	97.0	109.0	109.0	109.0	109.0	109.0	50.0	79.0	105.0	106.0
32.0	109.0	109.0	43.0	66.0	89.0	108.0	108.0	108.0	108.0	108.0	45.0	72.0	100.0	105.0
34.0	108.0	108.0	38.5	60.0	82.0	104.0	106.0	106.0	106.0	106.0	40.0	66.0	92.0	103.0
36.0	107.0	107.0	34.5	55.0	76.0	97.0	104.0	104.0	104.0	104.0	36.0	61.0	86.0	101.0
38.0	104.0	104.0	30.5	51.0	71.0	90.0	101.0	102.0	102.0	102.0	32.5	56.0	79.0	98.0
40.0	102.0	102.0	27.4	46.5	65.0	84.0	97.0	99.0	99.0	99.0	28.8	51.0	74.0	94.0
44.0	97.0	97.0	21.5	39.0	56.0	74.0	90.0	95.0	95.0	95.0	22.8	43.5	64.0	85.0
48.0 52.0	93.0	93.0	16.5	32.5	49.0	65.0	81.0	90.0	90.0	90.0	17.7	37.0	56.0	75.0
52.0 56.0	87.0 79.0	88.0 83.0	12.2 8.5	27.3 22.6	42.5 36.5	57.0 51.0	72.0 65.0	85.0 77.0	85.0 81.0	85.0 83.0	13.4 9.6	31.0 26.3	49.0	67.0 60.0
60.0	79.0 72.0	78.0	6.5	18.5	31.5	45.0	58.0	70.0	77.0	79.0	9.6	20.3	37.5	53.0
64.0	64.0	73.0		14.9	27.4	40.0	52.0	63.0	72.0	76.0		18.1	33.0	47.5
68.0	59.0	67.0		11.7	23.5	35.5	47.0	57.0	67.0	72.0		14.7	28.7	42.5
72.0	54.0	62.0		8.8	20.0	31.0	42.0	52.0	62.0	67.0		11.7	25.0	38.5
76.0	48.5	56.0		6.2	16.9	27.6	37.5	47.0	56.0	63.0		9.0	21.6	33.5
80.0	43.5	51.0			14.1	24.3	33.0	42.0	50.0	58.0		6.6	18.6	29.9
84.0	39.5	46.0			11.6	21.3	29.2	38.0	45.5	50.0			15.9	26.5
88.0	36.0	40.0			9.3	18.6	26.5	34.5	40.5	43.5			13.4	23.6
92.0	31.0	34.0			7.2	16.1	23.9	31.0	34.5	37.5			11.1	20.7
96.0 100.0	25.6	28.3			5.2	13.7	21.2	25.7	28.8	32.0			9.1	17.8
104.0	20.6 16.0	23.2 18.4				11.2 9.7	17.8 13.3	20.7 16.1	23.7 18.9	26.6 21.8			7.2 5.4	15.1 13.2
108.0	11.7	14.0				6.3	9.1	11.8	14.5	17.2			5.4	9.0
112.0	7.6	9.9				0.0	5.1	7.7	10.4	13.0				5.0
116.0		6.0							6.4	9.0				
120.0										5.1				
* n *	7	7	6	7	7	7	7	7	7	7	6	7	7	7
уу —	13.0	13.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	18.0	18.0	18.0	18.0
ZZ	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0
_														
_														
0-40 m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
		HSLDI 126m				150 t		65 t		zz t				



*** 362 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1349< B181 2200 m > < t126.0 126.0 126.0 126.0 m 16.0 118.0 118.0 118.0 118.0 18.0 117.0 117.0 117.0 117.0 20.0 115.0 115.0 115.0 115.0 114.0 114.0 22.0 114.0 114.0 24.0 112.0 112.0 112.0 112.0 26.0 110.0 110.0 110.0 110.0 28.0 108.0 108.0 108.0 108.0 30.0 106.0 106.0 106.0 106.0 105.0 32.0 105.0 105.0 105.0 34.0 103.0 103.0 103.0 103.0 36.0 101.0 101.0 101.0 101.0 38.0 98.0 98.0 98.0 98.0 40.0 96.0 96.0 96.0 96.0 44.0 92.0 92.0 92.0 92.0 48.0 87.0 87.0 87.0 87.0 52.0 82.0 83.0 83.0 83.0 56.0 75.0 80.0 80.0 80.0 60.0 68.0 76.0 77.0 77.0 64.0 61.0 73.0 74.0 74.0 68.0 56.0 68.0 71.0 72.0 72.0 51.0 62.0 67.0 70.0 76.0 46.0 57.0 64.0 68.0 80.0 41.0 51.0 60.0 64.0 84.0 37.0 46.5 52.0 57.0 88.0 41.5 33.5 45.5 49.5 92.0 30.5 35.5 39.5 43.0 96.0 33.5 26.3 29.9 37.5 100.0 21.2 24.8 28.3 32.0 104.0 16.6 20.0 23.4 26.8 108.0 12.2 15.5 18.8 22.0 112.0 8.2 11.3 14.5 17.6 116.0 7.4 10.4 13.4 120.0 6.5 9.5 * n * 7 7 7 7 18.0 18.0 18.0 18.0 уу 200.0 250.0 300.0 350.0 ΖZ 0-10 **⋓** m/s 12.8 12.8 12.8 12.8 **HSLDB** 126m



	A	<u>М</u> М	09794		, ty				50 4				302 D10		22.30
M			III	ı > < t				>135)U<				DIO	1 23	טטכ
車位	7 m	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0
	18.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	92.0	96.0 95.0	96.0	96.0 95.0	96.0	96.0
	20.0	78.0 69.0	81.0 80.0	81.0 80.0	81.0 80.0	81.0 80.0	81.0 80.0	81.0 80.0	81.0 80.0	81.0 72.0	95.0	95.0 95.0	95.0	95.0 95.0	95.0 95.0
	24.0	61.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	64.0	89.0	94.0	94.0	94.0	94.0
	26.0	55.0	74.0	80.0	80.0	80.0	80.0	80.0	80.0	57.0	81.0	94.0	94.0	94.0	94.0
	28.0	48.5	66.0	80.0	80.0	80.0	80.0	80.0	80.0	51.0	73.0	94.0	94.0	94.0	94.0
	30.0	43.0	60.0	77.0	80.0	80.0	80.0	80.0	80.0	45.0	66.0	88.0	93.0	93.0	93.0
	32.0 34.0	38.5 34.0	54.0 49.5	70.0 64.0	79.0 78.0	80.0 80.0	80.0	80.0 80.0	80.0 80.0	40.5 36.0	60.0 55.0	80.0 74.0	91.0 90.0	91.0	91.0 90.0
	36.0	30.5	44.5	59.0	73.0	80.0	80.0	80.0	80.0	32.0	50.0	68.0	86.0	89.0	89.0
	38.0	26.9	40.5	54.0	68.0	80.0	80.0	80.0	80.0	28.4	45.5	63.0	80.0	87.0	87.0
	40.0	23.7	37.0	50.0	63.0	76.0	80.0	80.0	80.0	25.1	41.5	58.0	75.0	84.0	85.0
	44.0	18.1	30.0	42.0	54.0	66.0	74.0	77.0	80.0	19.4	34.5	50.0	65.0	78.0	81.0
	48.0	13.3	24.5	35.5	47.0	58.0	68.0	74.0	78.0	14.6	28.6	42.5	57.0	71.0	77.0
	52.0 56.0	9.3 5.7	19.6 15.4	30.0 25.1	40.5 35.0	51.0 44.5	61.0 54.0	70.0 64.0	76.0 71.0	10.4 6.8	23.5 19.0	36.5 31.5	49.5 43.5	63.0 56.0	73.0 67.0
	60.0	5.7	11.7	20.9	30.0	39.0	48.0	57.0	64.0	0.0	15.1	26.6	38.0	49.5	61.0
	64.0		8.5	17.1	25.7	34.5	43.0	51.0	57.0		11.7	22.5	33.5	44.5	55.0
	68.0		5.6	13.7	21.9	30.0	38.0	44.0	51.0		8.6	18.9	29.2	39.5	48.5
	72.0			10.7	18.5	26.2	34.0	40.0	46.0		5.8	15.6	25.4	35.0	44.0
	76.0			8.0	15.4	22.7	30.0	36.0	41.5			12.7	22.0	31.5	39.5
	80.0 84.0			5.6	12.6	19.6	26.5	31.5	37.0			10.0	18.9	27.7	35.0
	88.0				10.1 7.8	16.1 13.7	22.6 19.6	27.5 24.2	32.5 29.4			7.6 5.4	16.1 13.5	24.1 21.0	30.5 27.2
	92.0				5.7	11.8	17.2	21.6	24.7			5.4	11.2	18.5	24.3
	96.0				0.7	9.7	14.7	17.4	19.4				9.1	16.0	19.5
1	0.00					7.7	10.6	12.6	14.5				7.1	12.1	14.6
	04.0						6.3	8.1	10.0				5.2	7.6	10.1
1	108.0 12.0								5.8						5.9
	16.0														
	20.0														
* n	1 *	5	5	5	5	5	5	5	5	6	6	6	6	6	6
		40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
уу zz	-	10.0	10.0 50.0	10.0	10.0 150.0	10.0 200.0	10.0 250.0	10.0 300.0	10.0 350.0	13.0	13.0 50.0	13.0 100.0	13.0 150.0	13.0	13.0 250.0
	-	0.0	30.0	100.0	130.0	200.0	230.0	300.0	330.0	0.0	30.0	100.0	130.0	200.0	250.0
	_														
															<u> </u>
0-40)														-
	m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
		1	HSLDI	,		7	<u> </u>	חו	65	1))
							150	∐ ₌7							
			132m				100				zz t				
		_/\					ι		ι	У	y m	<u></u>		<u> </u>	



\wedge	1 A A	09194		-,		-20.0						502		22.30
N A		m	> < t		CO	DE :	>135	50<				B18	1 23	300
m m	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0
18.0	96.0	96.0	94.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	97.0	99.0	99.0	99.0
20.0	95.0	95.0	83.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	85.0	98.0	98.0	98.0
22.0 24.0	95.0 94.0	95.0 94.0	73.0 65.0	99.0 94.0	99.0 97.0	99.0 97.0	99.0 97.0	99.0 97.0	99.0 97.0	99.0 97.0	76.0 67.0	96.0 95.0	96.0 95.0	96.0 95.0
26.0	94.0	94.0	58.0	85.0	95.0	95.0	95.0	95.0	95.0	95.0	60.0	93.0	93.0	93.0
28.0	94.0	94.0	52.0	77.0	94.0	94.0	94.0	94.0	94.0	94.0	54.0	84.0	91.0	91.0
30.0	93.0	93.0	46.5	71.0	91.0	92.0	92.0	92.0	92.0	92.0	48.0	77.0	89.0	89.0
32.0	91.0	91.0	41.5	64.0	87.0	90.0	90.0	90.0	90.0	90.0	43.0	70.0	88.0	88.0
34.0	90.0	90.0	37.0	59.0	80.0	89.0	89.0	89.0	89.0	89.0	38.5	64.0	86.0	86.0
36.0	89.0	89.0	33.0	54.0	74.0	87.0	87.0	87.0	87.0	87.0	34.5	59.0	84.0	84.0
38.0	87.0	87.0	29.4	49.0	69.0	86.0	86.0	86.0	86.0	86.0	31.0	54.0	78.0	82.0
40.0	85.0	85.0	26.1	45.0	64.0	82.0	83.0	83.0	83.0	83.0	27.5	50.0	72.0	80.0
44.0 48.0	81.0 77.0	81.0 77.0	20.3 15.4	37.5 31.5	55.0 47.5	72.0 64.0	79.0 75.0	79.0 75.0	79.0 75.0	79.0 75.0	21.6 16.6	42.0 35.5	63.0 55.0	76.0 72.0
52.0	77.0	77.0	11.1	26.1	41.0	56.0	75.0	75.0	75.0	75.0	12.3	30.0	47.5	65.0
56.0	69.0	69.0	7.5	21.4	35.5	49.5	63.0	67.0	68.0	68.0	8.5	25.1	41.5	58.0
60.0	65.0	67.0	7.5	17.4	30.5	43.5	57.0	63.0	66.0	66.0	0.0	20.8	36.5	52.0
64.0	61.0	64.0		13.8	26.2	38.5	51.0	60.0	63.0	63.0		17.0	31.5	46.5
68.0	57.0	61.0		10.6	22.3	34.0	45.5	56.0	60.0	60.0		13.6	27.5	41.5
72.0	52.0	57.0		7.7	18.9	30.0	41.0	51.0	56.0	58.0		10.6	23.8	37.0
76.0	47.5	53.0		5.2	15.8	26.4	37.0	46.0	52.0	56.0		7.9	20.5	33.0
80.0	42.5	49.0			13.0	23.1	32.5	41.5	48.5	54.0		5.5	17.4	29.1
84.0	38.0	43.0			10.4	19.4	28.5	36.5	43.5	47.0			14.7	26.0
88.0 92.0	33.5	36.5			8.1 6.0	16.7 14.7	25.2	33.0 27.7	37.0	40.0			12.2	22.8
96.0	27.5 22.1	30.5 24.8			6.0	12.6	22.4 19.2	22.3	31.0 25.3	34.0 28.4			9.9 7.8	20.2 17.6
100.0	17.2	19.7				10.5	14.3	17.3	20.2	23.2			5.9	14.3
104.0	12.5	15.0				7.0	9.8	12.7	15.5	18.3			0.0	9.7
108.0	8.2	10.6					5.6	8.3	11.1	13.8				5.5
112.0		6.5							6.9	9.6				
116.0										5.6				
120.0														
* n *	6	6	6	6	6	6	6	6	6	6	6	6	6	6
уу	13.0	13.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	18.0	18.0	18.0	18.0
zz	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0
_														
0-40 m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
		HSLDE 132m				150 t		65 t	y	y m zz t				



*** 362 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1350< B181 2300 m > < t132.0 132.0 132.0 132.0 m 18.0 99.0 99.0 99.0 99.0 20.0 98.0 98.0 98.0 98.0 22.0 96.0 96.0 96.0 96.0 24.0 95.0 95.0 95.0 95.0 26.0 93.0 93.0 93.0 93.0 28.0 91.0 91.0 91.0 91.0 30.0 89.0 89.0 89.0 89.0 32.0 88.0 0.88 88.0 88.0 34.0 86.0 86.0 86.0 86.0 36.0 84.0 84.0 84.0 84.0 38.0 82.0 82.0 82.0 82.0 40.0 80.0 80.0 0.08 80.0 44.0 77.0 77.0 77.0 77.0 48.0 73.0 73.0 73.0 73.0 52.0 69.0 69.0 69.0 69.0 56.0 65.0 66.0 66.0 66.0 60.0 62.0 64.0 64.0 64.0 64.0 58.0 61.0 61.0 61.0 68.0 54.0 59.0 59.0 59.0 72.0 49.5 55.0 57.0 57.0 76.0 45.0 52.0 55.0 55.0 80.0 40.0 48.5 54.0 54.0 84.0 35.5 45.0 49.0 52.0 88.0 32.0 38.0 42.0 46.0 92.0 28.2 32.0 36.0 39.5 96.0 22.8 26.5 30.0 34.0 100.0 17.8 21.3 24.8 28.4 104.0 13.1 16.5 19.9 23.3 108.0 15.3 8.8 12.1 18.6 112.0 7.9 11.0 14.2 116.0 7.0 10.0 120.0 6.2 * n * 6 6 6 6 18.0 18.0 18.0 18.0 уу 200.0 250.0 300.0 350.0 ΖZ 0-10 **⋓** m/s 12.8 12.8 12.8 12.8 **HSLDB** 132m



LR 160	00/2 09/949 typ1: D=28.0 mm										***	362		22.30
		m	ı > < t		CO	DE :	>135	51<				B18	1 24	100
m m	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0
18.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	83.0	83.0	83.0	83.0	83.0	83.0
20.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	79.0	83.0	83.0	83.0	83.0	83.0
22.0 24.0	67.0 60.0	67.0 67.0	70.0 62.0	82.0 82.0	82.0 82.0	82.0 82.0	82.0 82.0	82.0 82.0						
26.0	53.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	55.0	79.0	81.0	81.0	81.0	81.0
28.0	47.5	65.0	66.0	66.0	66.0	66.0	66.0	66.0	49.5	71.0	81.0	81.0	81.0	81.0
30.0	42.0	59.0	66.0	66.0	66.0	66.0	66.0	66.0	44.0	65.0	80.0	80.0	80.0	80.0
32.0	37.5	53.0	66.0	66.0	66.0	66.0	66.0	66.0	39.0	59.0	78.0	78.0	78.0	78.0
34.0	33.5	48.0	63.0	66.0	66.0	66.0	66.0	66.0	35.0	54.0	73.0	77.0	77.0	77.0
36.0 38.0	29.5	43.5	58.0	66.0	66.0	66.0	66.0	66.0	31.0	49.0	67.0	75.0	75.0	75.0
40.0	26.0 22.9	39.5 36.0	53.0 49.0	66.0 62.0	66.0 66.0	66.0 66.0	66.0 66.0	66.0 66.0	27.6 24.4	44.5 40.5	62.0 57.0	74.0 72.0	74.0 72.0	74.0 72.0
44.0	17.4	29.3	41.5	53.0	65.0	66.0	66.0	66.0	18.7	34.0	49.0	64.0	68.0	68.0
48.0	12.7	23.8	35.0	46.0	57.0	64.0	66.0	66.0	13.9	27.9	42.0	56.0	65.0	65.0
52.0	8.7	19.0	29.3	39.5	50.0	60.0	64.0	64.0	9.8	22.8	36.0	49.0	61.0	61.0
56.0		14.8	24.5	34.0	44.0	53.0	60.0	60.0	6.2	18.4	30.5	43.0	55.0	58.0
60.0		11.2	20.3	29.3	38.5	47.5	55.0	57.0		14.5	26.0	37.5	49.0	54.0
64.0 68.0		8.0	16.5	25.1	33.5	42.0	50.0	53.0 49.0		11.1 8.1	21.9	32.5	43.5	50.0
72.0		5.1	13.2 10.2	21.3 17.9	29.4 25.6	37.5 32.5	44.5 39.5	49.0 45.5		5.4	18.3 15.1	28.5 24.8	38.5 34.5	47.0 43.0
76.0			7.5	14.8	22.2	28.9	36.0	41.5		0.4	12.1	21.4	30.5	39.0
80.0			5.1	12.1	19.1	25.3	32.0	37.0			9.5	18.3	27.1	35.0
84.0				9.6	16.3	21.6	28.2	33.0			7.1	15.5	24.0	31.0
88.0				7.3	13.5	18.0	24.3	27.3				13.0	21.0	27.3
92.0 96.0				5.2	11.4	15.6	19.5	21.6				10.7	18.3	21.8
100.0					9.2 5.7	12.3 7.7	14.4 9.6	16.4 11.6				8.6 6.6	13.9 9.1	16.5 11.7
104.0					3.7	7.7	5.2	7.1				0.0	9.1	7.2
108.0							0.2	7						
112.0														
116.0														
* n *	4	4	4	4	4	4	4	4	5	5	5	5	5	5
уу —	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
ZZ	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
_														
o -∦o														
■ m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
					1	_	1		^	A				
		HSLD	3		∠		11 -	65	W.					
		138m				150	Ⅱ달		y ⊜					
		130111				t		t _	√ y	ym zzt				
			- 1				_							



LR 160<u>0</u>/2 -- 097949 typ1: D=28.0 mm *** 362 22.30

LR 160	U/ Z \	03134	9	ty				362		22.30				
		m	ı > < t		CO	DE :	>135	51<				B18	1 24	100
m m	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0
18.0	83.0	83.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	85.0	85.0	85.0	85.0
20.0	83.0	83.0	81.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	83.0	84.0	84.0	84.0
22.0	82.0	82.0	72.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	74.0	82.0	82.0	82.0
24.0 26.0	82.0	82.0	64.0 57.0	83.0	83.0	83.0	83.0	83.0 81.0	83.0	83.0	66.0	81.0	81.0 79.0	81.0 79.0
28.0	81.0 81.0	81.0 81.0	51.0	81.0 76.0	81.0 80.0	81.0 80.0	81.0 80.0	80.0	81.0 80.0	81.0 80.0	59.0 53.0	79.0 78.0	78.0	78.0
30.0	80.0	80.0	45.0	69.0	78.0	78.0	78.0	78.0	78.0	78.0	47.0	75.0	76.0	76.0
32.0	78.0	78.0	40.5	63.0	77.0	77.0	77.0	77.0	77.0	77.0	42.0	69.0	74.0	74.0
34.0	77.0	77.0	36.0	58.0	75.0	75.0	75.0	75.0	75.0	75.0	37.5	63.0	73.0	73.0
36.0	75.0	75.0	32.0	53.0	73.0	73.0	73.0	73.0	73.0	73.0	33.5	58.0	71.0	71.0
38.0	74.0	74.0	28.6	48.0	68.0	72.0	72.0	72.0	72.0	72.0	30.0	53.0	69.0	69.0
40.0	72.0	72.0	25.3	44.0	63.0	70.0	70.0	70.0	70.0	70.0	26.8	49.0	68.0	68.0
44.0	68.0	68.0	19.6	37.0	54.0	66.0	66.0	66.0	66.0	66.0	20.9	41.5	62.0	64.0
48.0	65.0	65.0	14.8	30.5	46.5	61.0	63.0	63.0	63.0	63.0	16.0	35.0	54.0	61.0
52.0	61.0	61.0	10.6	25.4	40.0	55.0	60.0	60.0	60.0	60.0	11.7	29.3	47.0	58.0
56.0 60.0	58.0	58.0	6.9	20.8	34.5	48.5	56.0	56.0	56.0	56.0	8.0	24.4	41.0	54.0
64.0	55.0 53.0	55.0 53.0		16.8 13.2	29.8 25.6	43.0 38.0	52.0 48.5	54.0 52.0	54.0 52.0	54.0 52.0		20.2 16.4	35.5 31.0	50.0 45.5
68.0	51.0	51.0		10.1	21.7	33.5	44.5	49.5	49.5	49.5		13.1	26.9	40.5
72.0	48.0	48.0		7.3	18.3	29.4	40.5	47.0	47.0	47.0		10.1	23.2	36.5
76.0	44.5	46.0		7.0	15.2	25.8	36.5	43.0	45.5	45.5		7.4	19.9	32.5
80.0	40.5	44.0			12.5	22.5	32.5	39.5	43.5	44.0		5.0	16.9	28.8
84.0	36.5	39.5			9.9	19.5	29.1	36.0	40.5	42.5			14.2	25.6
88.0	30.5	33.0			7.6	16.6	25.2	30.5	34.0	37.0			11.7	22.6
92.0	24.5	27.3			5.5	14.3	21.5	24.7	27.9	31.0			9.4	19.9
96.0	19.2	21.8				12.1	16.2	19.3	22.4	25.4			7.4	16.2
100.0	14.2	16.8				8.5	11.4	14.4	17.3	20.2			5.4	11.3
104.0	9.6	12.1					6.9	9.8	12.6	15.4				6.9
108.0 112.0	5.4	7.7						5.5	8.2	10.9 6.8				
116.0														
* n *	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	13.0	13.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	18.0	18.0	18.0	18.0
yy zz	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0
	000.0	000.0	0.0	00.0	100.0	100.0	200.0	200.0	000.0	000.0	0.0	00.0	100.0	100.0
_														
_														
m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
		HSLDI 138m				150 t		65 t	y y	zz t				

2 (3)



LR 160	0/2 (09794	.9	ty	p1: D=	=28.0	mm			***	362		22.30
	MM	m	n > < t		CO	DE :	>13	51<			B18	31 24	400
m m	138.0	138.0	138.0	138.0									
18.0	85.0	85.0	85.0	85.0									
20.0	84.0	84.0	84.0	84.0									
22.0	82.0	82.0	82.0	82.0									
24.0 26.0	81.0 79.0	81.0 79.0	81.0 79.0	81.0 79.0									
28.0	78.0	78.0	78.0	78.0									
30.0	76.0	76.0	76.0	76.0									
32.0	74.0	74.0	74.0	74.0									
34.0	73.0	73.0	73.0	73.0									
36.0	71.0	71.0	71.0	71.0									
38.0	69.0	69.0	69.0	69.0									
40.0 44.0	68.0	68.0 64.0	68.0	68.0 64.0									
44.0	64.0 61.0	61.0	64.0 61.0	61.0									
52.0	58.0	58.0	58.0	58.0									
56.0	55.0	55.0	55.0	55.0									
60.0	52.0	52.0	52.0	52.0									
64.0	50.0	50.0	50.0	50.0									
68.0	48.0	48.0	48.0	48.0									
72.0	46.0	46.0	46.0	46.0									
76.0 80.0	42.0	44.5	45.0	45.0									
84.0	38.5 34.5	43.0 41.5	43.5 42.0	43.5 42.0									
88.0	31.0	35.0	39.0	40.5									
92.0	25.2	29.1	33.0	37.0									
96.0	19.9	23.5	27.2	31.0									
100.0	14.9	18.4	21.9	25.5									
104.0 108.0	10.3	13.7	17.0	20.4									
112.0	6.0	9.2 5.1	12.5 8.3	15.8 11.4									
116.0		5.1	0.5	7.3									
* n *	5	5	5	5									
	40.0	40.0	40.0	10.0									
yy zz	18.0 200.0	18.0 250.0	18.0 300.0	18.0 350.0									
	200.0	230.0	300.0	330.0									
_													
0-40													
m/s	12.8	12.8	12.8	12.8									
		HSLDI 138m				150 t		65 t	zz t				

10.0

0.0

12.8

уу

ΖZ

0-40 m/s

10.0

50.0

12.8

10.0

100.0

12.8

10.0

150.0

12.8

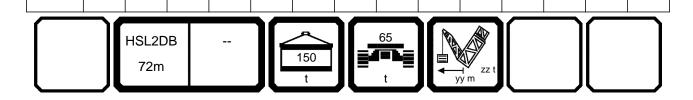
10.0

200.0

12.8



*** 678 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.32 CODE >1352< B181 2500 m > < t72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 m 72.0 11.0 217.0 266.0 293.0 293.0 293.0 293.0 293.0 293.0 222.0 285.0 292.0 292.0 292.0 292.0 12.0 197.0 243.0 288.0 294.0 294.0 294.0 294.0 294.0 202.0 260.0 294.0 294.0 294.0 294.0 14.0 166.0 206.0 245.0 285.0 290.0 290.0 290.0 290.0 171.0 221.0 270.0 290.0 294.0 294.0 16.0 143.0 177.0 212.0 247.0 280.0 294.0 297.0 297.0 146.0 190.0 234.0 278.0 297.0 297.0 18.0 249.0 280.0 289.0 290.0 127.0 167.0 206.0 246.0 285.0 289.0 124.0 155.0 186.0 217.0 20.0 109.0 137.0 165.0 194.0 222.0 250.0 266.0 273.0 112.0 148.0 183.0 219.0 255.0 272.0 22.0 96.0 122.0 148.0 174.0 200.0 225.0 244.0 257.0 99.0 132.0 164.0 197.0 229.0 255.0 24.0 86.0 110.0 133.0 157.0 181.0 205.0 225.0 239.0 88.0 118.0 148.0 178.0 208.0 237.0 26.0 79.0 77.0 99.0 121.0 143.0 165.0 187.0 207.0 222.0 107.0 135.0 163.0 191.0 218.0 28.0 151.0 189.0 204.0 69.0 90.0 110.0 131.0 172.0 72.0 97.0 123.0 149.0 175.0 199.0 30.0 62.0 82.0 101.0 120.0 139.0 156.0 172.0 186.0 64.0 89.0 113.0 137.0 160.0 181.0 32.0 56.0 75.0 93.0 111.0 129.0 146.0 160.0 174.0 58.0 82.0 104.0 127.0 150.0 169.0 34.0 50.0 69.0 86.0 103.0 120.0 136.0 150.0 163.0 52.0 75.0 96.0 118.0 139.0 158.0 36.0 139.0 152.0 45.0 63.0 79.0 95.0 112.0 126.0 46.5 68.0 89.0 110.0 130.0 146.0 38.0 128.0 140.0 42.0 119.0 135.0 40.5 58.0 74.0 89.0 103.0 116.0 62.0 83.0 102.0 40.0 37.0 53.0 68.0 83.0 97.0 109.0 120.0 132.0 38.5 57.0 77.0 95.0 112.0 127.0 44.0 29.6 44.0 59.0 73.0 85.0 96.0 107.0 117.0 31.0 48.5 66.0 83.0 99.0 113.0 48.0 24.7 38.0 51.0 64.0 74.0 84.0 93.0 103.0 25.7 41.5 57.0 73.0 86.0 99.0 52.0 20.6 31.5 44.0 56.0 66.0 75.0 84.0 93.0 21.5 36.0 50.0 65.0 78.0 90.0 56.0 16.4 27.3 38.5 49.5 59.0 67.0 76.0 84.0 18.1 30.0 44.0 58.0 70.0 81.0 60.0 13.7 23.7 33.5 44.0 52.0 60.0 68.0 76.0 14.4 26.4 39.0 51.0 62.0 73.0 64.0 47.0 54.0 62.0 12.0 23.2 34.0 46.0 57.0 66.0 11.3 20.6 29.3 39.5 69.0 68.0 9.4 42.0 49.0 63.0 10.1 20.5 30.5 42.0 51.0 60.0 18.1 26.3 35.0 56.0 72.0 7.4 15.3 23.8 31.5 38.5 45.0 52.0 58.0 8.1 18.3 27.7 38.5 47.0 55.0 * n * 14 17 19 19 19 19 19 19 14 18 19 19 19 19



12.8

10.0

300.0

10.0

350.0

12.8

13.0

0.0

12.8

13.0

50.0

13.0

100.0

12.8

13.0

150.0

12.8

13.0

200.0

12.8

13.0

250.0

12.8

10.0

250.0

12.8

12.8



*** 678 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.32 CODE >1352< B181 2500 m > < t72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 m 72.0 11.0 292.0 292.0 226.0 290.0 291.0 291.0 291.0 291.0 291.0 291.0 231.0 291.0 291.0 291.0 12.0 294.0 294.0 206.0 271.0 292.0 292.0 292.0 292.0 292.0 292.0 211.0 289.0 292.0 292.0 14.0 294.0 294.0 174.0 230.0 285.0 293.0 293.0 293.0 293.0 293.0 178.0 245.0 288.0 293.0 296.0 16.0 297.0 297.0 149.0 199.0 249.0 292.0 296.0 296.0 296.0 296.0 153.0 212.0 272.0 18.0 289.0 219.0 288.0 291.0 291.0 291.0 133.0 239.0 287.0 289.0 130.0 175.0 264.0 186.0 20.0 282.0 293.0 114.0 155.0 195.0 236.0 269.0 281.0 294.0 300.0 117.0 165.0 213.0 261.0 22.0 273.0 291.0 101.0 138.0 175.0 212.0 249.0 271.0 292.0 302.0 104.0 148.0 192.0 236.0 24.0 255.0 273.0 90.0 124.0 159.0 193.0 227.0 254.0 275.0 286.0 93.0 133.0 174.0 214.0 26.0 236.0 254.0 81.0 113.0 144.0 176.0 208.0 235.0 255.0 268.0 83.0 121.0 158.0 196.0 250.0 28.0 103.0 191.0 235.0 75.0 145.0 217.0 234.0 73.0 132.0 162.0 216.0 110.0 180.0 30.0 199.0 214.0 66.0 94.0 121.0 149.0 174.0 197.0 215.0 232.0 67.0 101.0 134.0 166.0 32.0 186.0 202.0 59.0 86.0 112.0 138.0 163.0 184.0 202.0 219.0 60.0 93.0 123.0 154.0 34.0 175.0 189.0 53.0 79.0 104.0 128.0 152.0 172.0 190.0 206.0 55.0 84.0 113.0 141.0 36.0 160.0 177.0 163.0 177.0 47.5 72.0 96.0 119.0 141.0 193.0 49.0 77.0 104.0 131.0 38.0 151.0 130.0 148.0 165.0 180.0 44.0 121.0 165.0 43.0 66.0 88.0 110.0 71.0 96.0 40.0 142.0 156.0 39.0 60.0 82.0 102.0 122.0 140.0 156.0 170.0 40.5 65.0 90.0 113.0 44.0 127.0 140.0 31.5 51.0 71.0 89.0 108.0 124.0 140.0 153.0 33.0 56.0 78.0 99.0 48.0 112.0 124.0 26.4 44.0 62.0 79.0 95.0 109.0 124.0 136.0 27.3 48.0 68.0 88.0 52.0 101.0 113.0 22.1 38.0 54.0 70.0 85.0 99.0 113.0 125.0 23.0 41.5 60.0 78.0 56.0 91.0 102.0 18.6 32.5 47.5 63.0 77.0 89.0 102.0 114.0 19.4 36.5 54.0 70.0 60.0 15.6 47.5 83.0 93.0 14.9 28.2 42.5 56.0 69.0 81.0 92.0 104.0 31.0 63.0 64.0 63.0 85.0 95.0 13.2 27.5 42.5 57.0 75.0 85.0 12.5 24.9 38.0 51.0 74.0 68.0 69.0 10.5 22.1 33.5 46.0 57.0 67.0 77.0 88.0 11.2 24.5 38.5 52.0 78.0 72.0 63.0 67.0 8.6 19.9 30.5 42.0 53.0 60.0 65.0 70.0 9.3 22.2 34.5 48.0 * n * 19 19 14 19 19 19 19 19 19 20 15 19 19 19 13.0 13.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 18.0 18.0 18.0 18.0 уу 200.0 250.0 300.0 350.0 150.0 ΖZ 300.0 350.0 0.0 50.0 100.0 150.0 0.0 50.0 100.0 **0-40 ∭** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB 150 72m



*** 678 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.32 CODE >1352< B181 2500 m > < t72.0 72.0 72.0 72.0 m 11.0 291.0 291.0 291.0 291.0 12.0 292.0 292.0 292.0 292.0 14.0 293.0 293.0 293.0 293.0 16.0 296.0 296.0 296.0 296.0 18.0 291.0 291.0 291.0 291.0 280.0 20.0 296.0 299.0 299.0 22.0 270.0 296.0 301.0 301.0 24.0 279.0 287.0 252.0 292.0 26.0 233.0 271.0 281.0 258.0 28.0 214.0 238.0 255.0 271.0 30.0 239.0 194.0 217.0 260.0 32.0 182.0 204.0 225.0 245.0 34.0 170.0 192.0 212.0 231.0 36.0 157.0 179.0 198.0 217.0 38.0 146.0 166.0 185.0 202.0 40.0 137.0 157.0 175.0 192.0 44.0 120.0 141.0 158.0 173.0 48.0 107.0 125.0 140.0 155.0 52.0 96.0 113.0 129.0 142.0 56.0 86.0 103.0 117.0 130.0 60.0 107.0 78.0 93.0 118.0 64.0 71.0 85.0 98.0 106.0 68.0 66.0 78.0 89.0 93.0 72.0 56.0 63.0 66.0 66.0 * n * 19 19 20 20 18.0 18.0 18.0 18.0 уу 200.0 250.0 300.0 350.0 ΖZ 0-10 m/s 12.8 12.8 12.8 12.8 HSL2DB 72m



*** 678 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.32 CODE >8066< B181 5B00 m > < t75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 75.0 m 11.0 260.0 288.0 288.0 288.0 288.0 288.0 288.0 278.0 287.0 287.0 287.0 287.0 12.0 193.0 238.0 282.0 289.0 289.0 289.0 289.0 289.0 198.0 255.0 288.0 288.0 288.0 288.0 14.0 163.0 202.0 241.0 279.0 288.0 288.0 288.0 288.0 167.0 216.0 265.0 286.0 288.0 288.0 16.0 140.0 174.0 208.0 243.0 274.0 285.0 292.0 292.0 143.0 187.0 230.0 273.0 290.0 290.0 18.0 214.0 245.0 275.0 290.0 290.0 125.0 203.0 242.0 280.0 289.0 121.0 152.0 183.0 164.0 20.0 106.0 134.0 162.0 190.0 218.0 246.0 267.0 271.0 110.0 145.0 180.0 215.0 251.0 271.0 22.0 94.0 120.0 145.0 171.0 196.0 222.0 243.0 254.0 97.0 129.0 162.0 194.0 226.0 252.0 131.0 234.0 24.0 84.0 107.0 155.0 178.0 202.0 222.0 236.0 86.0 116.0 146.0 176.0 205.0 26.0 75.0 97.0 119.0 141.0 162.0 184.0 206.0 220.0 78.0 105.0 133.0 160.0 188.0 215.0 70.0 28.0 149.0 189.0 95.0 147.0 68.0 88.0 108.0 129.0 169.0 203.0 121.0 173.0 198.0 30.0 61.0 80.0 99.0 118.0 137.0 156.0 172.0 186.0 63.0 87.0 111.0 135.0 159.0 181.0 32.0 55.0 73.0 91.0 109.0 127.0 143.0 158.0 172.0 57.0 0.08 102.0 125.0 148.0 167.0 34.0 49.0 67.0 84.0 101.0 118.0 134.0 148.0 161.0 51.0 73.0 95.0 116.0 137.0 156.0 36.0 45.5 88.0 44.0 62.0 78.0 94.0 110.0 125.0 138.0 151.0 67.0 108.0 128.0 146.0 38.0 102.0 128.0 140.0 41.0 81.0 101.0 119.0 135.0 40.0 57.0 72.0 87.0 115.0 61.0 40.0 36.0 52.0 67.0 81.0 95.0 106.0 118.0 129.0 37.5 56.0 76.0 94.0 110.0 125.0 44.0 28.8 43.5 58.0 71.0 84.0 95.0 105.0 116.0 29.9 47.5 65.0 82.0 98.0 112.0 48.0 23.8 37.0 49.5 63.0 73.0 83.0 93.0 103.0 24.8 40.5 56.0 72.0 86.0 99.0 52.0 19.8 30.5 43.0 55.0 65.0 74.0 83.0 92.0 20.7 34.5 49.0 64.0 76.0 88.0 56.0 15.5 26.3 37.5 48.5 58.0 66.0 75.0 83.0 16.3 29.3 43.0 57.0 69.0 80.0 60.0 61.0 12.8 22.7 32.5 43.0 51.0 59.0 66.0 74.0 13.5 25.5 38.0 50.0 71.0 64.0 19.7 46.0 60.0 68.0 45.0 55.0 65.0 10.4 28.4 38.5 53.0 11.1 22.2 33.0 68.0 16.2 25.2 41.0 48.0 62.0 9.1 40.5 50.0 59.0 8.3 34.0 55.0 19.5 29.4 72.0 6.3 14.2 22.6 30.5 37.0 43.5 50.0 56.0 7.0 16.3 26.5 37.0 45.0 54.0 76.0 12.7 20.6 27.7 34.0 40.0 46.5 52.0 5.4 14.7 24.3 33.5 42.0 50.0 * n * 12 17 19 19 19 19 19 19 12 18 19 19 19 19 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 13.0 13.0 13.0 13.0 13.0 13.0 уу 150.0 200.0 250.0 300.0 350.0 100.0 150.0 200.0 250.0 ΖZ 0.0 50.0 100.0 0.0 50.0 **0-40 ∭** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB 150 75m



*** 678 LR 1600/2 -- 097949 22.32 typ1: D=28.0 mm

A	1 A A A	J91 34			ρ i. D-							070		22.32
NA A		m	> < t		CO	DE :	>806	>66				B18	1 5E	300
■ m	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
11.0 12.0	287.0 288.0	287.0 288.0	201.0	286.0 266.0	286.0 287.0	286.0 287.0	286.0 287.0	286.0 287.0	286.0 287.0	286.0 287.0	206.0	285.0 283.0	285.0 286.0	285.0 286.0
14.0	288.0	288.0	170.0	226.0	282.0	287.0	287.0	287.0	287.0	287.0	174.0	241.0	284.0	288.0
16.0	290.0	290.0	146.0	195.0	245.0	283.0	290.0	290.0	290.0	290.0	150.0	208.0	267.0	290.0
18.0	289.0	289.0	127.0	171.0	216.0	260.0	289.0	289.0	289.0	289.0	130.0	183.0	236.0	288.0
20.0	278.0	278.0	112.0	152.0	192.0	232.0	268.0	277.0	286.0	294.0	115.0	162.0	210.0	258.0
22.0	266.0	281.0	99.0	136.0	172.0	209.0	246.0	265.0	282.0	296.0	102.0	145.0	189.0	232.0
24.0	252.0	270.0	88.0	122.0	156.0	190.0	224.0	250.0	271.0	288.0	91.0	131.0	171.0	211.0
26.0	234.0	251.0	79.0	110.0	142.0	173.0	205.0	233.0	253.0	270.0	81.0	119.0	156.0	193.0
28.0	217.0	233.0	71.0	101.0	130.0	159.0	188.0	215.0	234.0	251.0	73.0	108.0	143.0	177.0
30.0	199.0	214.0	64.0	92.0	119.0	147.0	174.0	197.0	216.0	232.0	66.0	99.0	131.0	164.0
32.0	184.0	199.0	58.0	84.0	110.0	136.0	160.0	182.0	200.0	217.0	59.0	91.0	121.0	152.0
34.0 36.0	173.0	188.0	52.0	77.0	102.0	126.0	150.0	171.0	188.0	204.0	54.0	83.0	112.0	141.0
38.0	162.0	176.0	46.5	71.0	94.0	117.0	140.0	159.0	177.0	192.0	48.0	76.0	104.0	130.0
40.0	151.0 140.0	165.0 154.0	42.0 38.0	65.0 59.0	88.0 81.0	109.0 102.0	130.0 120.0	148.0 137.0	165.0 154.0	180.0 168.0	43.5 39.5	70.0 64.0	96.0 89.0	121.0 112.0
44.0	126.0	139.0	30.5	50.0	70.0	89.0	107.0	123.0	139.0	152.0	32.0	55.0	77.0	98.0
48.0	111.0	124.0	25.5	43.0	61.0	78.0	95.0	109.0	124.0	136.0	26.5	46.5	67.0	87.0
52.0	100.0	111.0	21.3	37.0	53.0	69.0	84.0	98.0	111.0	123.0	22.1	40.5	59.0	77.0
56.0	90.0	101.0	16.8	31.5	46.5	62.0	76.0	89.0	101.0	113.0	18.5	34.5	52.0	69.0
60.0	81.0	91.0	14.0	27.3	41.5	55.0	68.0	79.0	91.0	102.0	14.7	30.0	46.5	62.0
64.0	74.0	84.0	11.6	23.9	37.0	49.5	62.0	73.0	84.0	94.0	12.3	26.5	41.5	57.0
68.0	68.0	77.0	9.5	21.1	32.5	45.0	56.0	66.0	76.0	87.0	10.2	23.5	37.5	51.0
72.0	62.0	70.0	7.4	18.7	29.1	41.0	51.0	61.0	70.0	80.0	8.1	20.9	33.5	47.0
76.0	55.0	56.0	5.8	16.1	26.8	38.0	47.5	52.0	54.0	55.0	6.5	19.0	30.5	43.5
* n *	19	19	13	18	18	18	19	19	19	19	13	18	18	19
уу	13.0	13.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	18.0	18.0	18.0	18.0
zz	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0
_														
m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
		HSL2D 75m	В			150 t		65 t	y y	zz t				



*** 678 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.32 CODE >8066< B181 5B00 m > < t75.0 75.0 75.0 75.0 m 11.0 285.0 285.0 285.0 285.0 12.0 286.0 286.0 286.0 286.0 14.0 288.0 288.0 288.0 288.0 16.0 290.0 290.0 290.0 290.0 18.0 288.0 288.0 288.0 288.0 20.0 276.0 288.0 293.0 293.0 22.0 264.0 285.0 295.0 295.0 24.0 288.0 249.0 275.0 290.0 26.0 230.0 271.0 278.0 256.0 28.0 212.0 237.0 255.0 267.0 30.0 238.0 195.0 218.0 255.0 32.0 179.0 202.0 223.0 243.0 34.0 168.0 190.0 210.0 229.0 36.0 157.0 179.0 198.0 216.0 38.0 146.0 167.0 185.0 202.0 40.0 135.0 155.0 173.0 189.0 44.0 119.0 140.0 156.0 172.0 48.0 106.0 125.0 140.0 155.0 52.0 95.0 112.0 127.0 140.0 56.0 85.0 102.0 116.0 129.0 60.0 77.0 92.0 105.0 117.0 64.0 71.0 84.0 97.0 105.0 68.0 65.0 77.0 89.0 93.0 72.0 59.0 71.0 78.0 78.0 76.0 46.5 49.0 49.5 49.5 * n * 19 19 19 19 18.0 18.0 18.0 18.0 уу 200.0 250.0 300.0 350.0 ΖZ 0-10 m/s 12.8 12.8 12.8 12.8 HSL2DB 75m



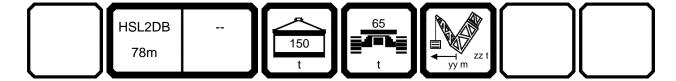
*** 678 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.32 CODE >1354< B181 2600 m > < t78.0 78.0 78.0 78.0 78.0 78.0 78.0 78.0 78.0 78.0 78.0 78.0 78.0 78.0 m 12.0 189.0 233.0 277.0 284.0 284.0 284.0 284.0 284.0 194.0 249.0 283.0 283.0 283.0 283.0 14.0 159.0 198.0 236.0 275.0 285.0 285.0 285.0 285.0 164.0 212.0 261.0 284.0 284.0 284.0 16.0 137.0 171.0 205.0 239.0 269.0 279.0 286.0 286.0 141.0 184.0 226.0 269.0 282.0 286.0 18.0 119.0 149.0 180.0 210.0 241.0 271.0 287.0 288.0 122.0 161.0 199.0 238.0 276.0 288.0 20.0 187.0 215.0 243.0 267.0 271.0 107.0 142.0 177.0 212.0 247.0 270.0 104.0 132.0 160.0 22.0 92.0 143.0 168.0 194.0 219.0 243.0 252.0 95.0 127.0 159.0 191.0 223.0 250.0 118.0 24.0 82.0 106.0 129.0 152.0 176.0 199.0 220.0 233.0 85.0 114.0 144.0 173.0 203.0 231.0 26.0 117.0 74.0 95.0 139.0 160.0 182.0 203.0 217.0 76.0 103.0 131.0 158.0 185.0 213.0 28.0 66.0 86.0 106.0 127.0 147.0 167.0 187.0 202.0 68.0 94.0 119.0 145.0 170.0 196.0 30.0 86.0 109.0 60.0 79.0 97.0 116.0 135.0 154.0 172.0 186.0 62.0 133.0 157.0 181.0 32.0 54.0 72.0 89.0 107.0 125.0 142.0 157.0 171.0 56.0 78.0 101.0 123.0 146.0 165.0 34.0 48.0 66.0 82.0 99.0 116.0 133.0 146.0 160.0 50.0 72.0 93.0 114.0 135.0 155.0 36.0 43.0 60.0 76.0 92.0 108.0 124.0 137.0 150.0 44.5 66.0 86.0 106.0 126.0 145.0 38.0 140.0 40.5 39.0 55.0 70.0 86.0 101.0 115.0 128.0 61.0 80.0 99.0 118.0 135.0 40.0 107.0 118.0 130.0 74.0 93.0 110.0 125.0 34.5 51.0 65.0 80.0 94.0 36.5 56.0 44.0 28.1 42.5 57.0 70.0 83.0 94.0 104.0 115.0 29.2 46.5 64.0 81.0 97.0 111.0 48.0 23.2 36.5 49.0 61.0 73.0 83.0 93.0 102.0 24.2 40.0 56.0 72.0 86.0 98.0 52.0 19.1 29.9 42.5 54.0 63.0 72.0 81.0 90.0 20.0 33.5 48.0 63.0 75.0 87.0 56.0 14.9 25.7 37.0 47.5 57.0 65.0 74.0 82.0 15.7 28.6 42.5 56.0 68.0 79.0 60.0 12.1 22.1 31.5 42.0 51.0 58.0 66.0 74.0 12.9 24.8 37.5 49.5 61.0 71.0 64.0 44.0 54.0 9.8 19.0 27.7 37.5 44.5 52.0 59.0 67.0 10.5 21.5 32.5 64.0 68.0 7.6 47.5 54.0 18.7 28.6 40.0 49.0 58.0 15.5 24.5 33.0 40.5 61.0 8.4 72.0 5.5 13.4 21.8 36.0 42.5 49.0 55.0 6.2 15.6 25.7 36.0 44.0 53.0 29.3 76.0 11.7 19.5 26.1 32.5 38.5 44.5 51.0 13.7 23.2 32.5 40.5 48.5 * n * 12 15 18 18 18 18 18 19 12 16 18 18 18 19 10.0 10.0 13.0 10.0 10.0 10.0 10.0 10.0 10.0 13.0 13.0 13.0 13.0 13.0 уу 150.0 200.0 250.0 300.0 350.0 100.0 150.0 200.0 250.0 ΖZ 0.0 50.0 100.0 0.0 50.0 **0-40 ∭** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB

150

78m



*** 678 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.32 CODE >1354< B181 2600 m > < t78.0 78.0 78.0 78.0 78.0 78.0 78.0 78.0 78.0 78.0 78.0 78.0 78.0 78.0 m 12.0 283.0 283.0 197.0 261.0 282.0 282.0 282.0 282.0 282.0 282.0 202.0 277.0 281.0 281.0 14.0 284.0 284.0 167.0 222.0 277.0 283.0 283.0 283.0 283.0 283.0 171.0 236.0 283.0 283.0 16.0 286.0 286.0 143.0 192.0 241.0 276.0 285.0 285.0 285.0 285.0 147.0 205.0 263.0 284.0 18.0 288.0 288.0 125.0 168.0 212.0 256.0 287.0 287.0 287.0 287.0 128.0 180.0 232.0 284.0 20.0 275.0 189.0 229.0 268.0 274.0 274.0 113.0 160.0 207.0 254.0 275.0 110.0 149.0 274.0 22.0 262.0 97.0 133.0 170.0 206.0 243.0 261.0 274.0 288.0 100.0 143.0 186.0 229.0 274.0 24.0 249.0 266.0 86.0 120.0 154.0 187.0 221.0 248.0 268.0 287.0 89.0 129.0 169.0 208.0 26.0 232.0 249.0 78.0 109.0 140.0 171.0 202.0 231.0 250.0 269.0 80.0 117.0 154.0 191.0 175.0 28.0 72.0 216.0 232.0 70.0 99.0 128.0 157.0 186.0 214.0 233.0 251.0 106.0 141.0 30.0 200.0 130.0 214.0 63.0 90.0 117.0 145.0 172.0 197.0 216.0 233.0 65.0 97.0 162.0 32.0 183.0 197.0 57.0 83.0 108.0 134.0 159.0 181.0 198.0 215.0 59.0 89.0 120.0 150.0 34.0 172.0 186.0 51.0 76.0 100.0 124.0 149.0 169.0 187.0 203.0 53.0 82.0 111.0 140.0 36.0 161.0 175.0 45.5 70.0 93.0 116.0 139.0 159.0 176.0 191.0 47.0 76.0 103.0 130.0 38.0 130.0 148.0 165.0 180.0 151.0 164.0 41.5 64.0 86.0 108.0 42.5 69.0 95.0 120.0 37.5 40.0 154.0 101.0 120.0 138.0 154.0 168.0 39.0 64.0 112.0 140.0 59.0 81.0 88.0 44.0 124.0 137.0 30.0 49.5 69.0 88.0 106.0 122.0 137.0 151.0 31.0 54.0 77.0 98.0 48.0 111.0 123.0 24.8 42.5 60.0 78.0 94.0 109.0 123.0 136.0 25.8 46.0 67.0 86.0 52.0 98.0 110.0 20.6 36.5 52.0 69.0 83.0 96.0 109.0 122.0 21.5 40.0 59.0 77.0 56.0 90.0 100.0 16.2 30.5 46.0 61.0 75.0 0.88 100.0 112.0 17.0 34.0 52.0 69.0 60.0 81.0 91.0 13.4 26.6 40.5 55.0 67.0 79.0 91.0 102.0 14.1 29.4 45.5 62.0 64.0 25.8 73.0 82.0 10.9 23.2 36.5 49.0 61.0 71.0 82.0 93.0 11.6 41.0 56.0 68.0 67.0 44.0 76.0 86.0 37.0 50.0 76.0 8.9 20.3 31.5 55.0 65.0 9.5 22.7 72.0 17.0 28.3 40.0 50.0 59.0 79.0 7.3 20.1 32.5 46.0 61.0 69.0 6.6 69.0 76.0 56.0 64.0 15.1 25.7 36.5 45.5 55.0 64.0 72.0 5.5 18.0 29.4 42.5 * n * 19 19 12 17 18 18 18 18 18 19 13 18 18 18 15.0 13.0 13.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 18.0 18.0 18.0 18.0 уу 200.0 250.0 300.0 350.0 50.0 100.0 150.0 ΖZ 300.0 350.0 0.0 50.0 100.0 150.0 0.0 **0-40 ∭** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8





*** 678 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.32 CODE >1354< B181 2600 m > < tm 78.0 78.0 78.0 78.0 12.0 281.0 281.0 281.0 281.0 14.0 283.0 283.0 283.0 283.0 16.0 284.0 284.0 284.0 284.0 18.0 286.0 286.0 286.0 286.0 20.0 273.0 281.0 281.0 281.0 22.0 260.0 277.0 289.0 289.0 24.0 246.0 271.0 289.0 290.0 26.0 228.0 254.0 272.0 277.0 265.0 28.0 210.0 236.0 255.0 30.0 194.0 218.0 238.0 252.0 201.0 32.0 178.0 221.0 240.0 34.0 166.0 189.0 208.0 227.0 36.0 156.0 178.0 197.0 215.0 38.0 145.0 167.0 185.0 202.0 40.0 135.0 156.0 173.0 190.0 44.0 119.0 139.0 155.0 171.0 48.0 105.0 124.0 140.0 155.0 52.0 94.0 110.0 125.0 139.0 56.0 85.0 101.0 115.0 128.0 60.0 77.0 92.0 105.0 117.0 64.0 70.0 83.0 96.0 106.0 68.0 64.0 76.0 89.0 95.0 72.0 58.0 70.0 81.0 83.0 76.0 54.0 64.0 64.0 64.0 * n * 18 18 19 19 18.0 18.0 18.0 18.0 уу 200.0 250.0 300.0 350.0 ΖZ 0-10 m/s 12.8 12.8 12.8 12.8 HSL2DB 78m



CODE >8067<												6/8		22.32
N A		m	ı > < t		CO	DE :	>806	57<				B18	1 5C	000
¶ M m	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
12.0	184.0	228.0	271.0	278.0	278.0	278.0	278.0	278.0	189.0	244.0	277.0	277.0	277.0	277.0
14.0	156.0	194.0	231.0	269.0	280.0	280.0	280.0	280.0	160.0	208.0	256.0	279.0	279.0	279.0
16.0	134.0	167.0	201.0	234.0	267.0	273.0	273.0	273.0	137.0	180.0	222.0	265.0	275.0	280.0
18.0	116.0	146.0	176.0	207.0	237.0	264.0	276.0	282.0	120.0	158.0	196.0	234.0	270.0	281.0
20.0	102.0	129.0	157.0	184.0	211.0	239.0	263.0	271.0	105.0	140.0	174.0	209.0	243.0	271.0
22.0 24.0	90.0	115.0 103.0	140.0 126.0	165.0 149.0	190.0 173.0	215.0 196.0	240.0 219.0	251.0 231.0	93.0 83.0	124.0 112.0	156.0 141.0	188.0 170.0	219.0 199.0	250.0 229.0
26.0	72.0	93.0	114.0	136.0	157.0	179.0	200.0	214.0	74.0	101.0	128.0	155.0	182.0	209.0
28.0	64.0	84.0	104.0	124.0	144.0	164.0	184.0	200.0	66.0	92.0	117.0	142.0	168.0	193.0
30.0	58.0	76.0	95.0	114.0	133.0	152.0	170.0	185.0	60.0	83.0	107.0	131.0	155.0	178.0
32.0	52.0	70.0	87.0	105.0	123.0	140.0	157.0	171.0	54.0	76.0	99.0	121.0	143.0	166.0
34.0	47.0	64.0	80.0	97.0	114.0	130.0	144.0	157.0	48.5	70.0	91.0	112.0	133.0	152.0
36.0	42.0	58.0	74.0	90.0	106.0	122.0	135.0	148.0	43.5	64.0	84.0	104.0	124.0	143.0
38.0	38.0	54.0	69.0	84.0	99.0	114.0	126.0	139.0	39.5	59.0	78.0	97.0	116.0	134.0
40.0	33.5	49.0	64.0	78.0	92.0	106.0	118.0	129.0	35.5	54.0	73.0	91.0	109.0	125.0
44.0	27.1	41.5	55.0	68.0	81.0	91.0	102.0	113.0	28.2	45.5	63.0	80.0	95.0	108.0
48.0	22.2	34.5	47.5	60.0	72.0	81.0	91.0	101.0	23.1	39.0	55.0	70.0	84.0	97.0
52.0	18.1	28.9	41.0	52.0	63.0	72.0	81.0	90.0	19.0	32.5	47.0	62.0	74.0	86.0
56.0	13.9	24.6	36.0	46.5	55.0	64.0	72.0	80.0	14.7	27.6	41.0	55.0	66.0	77.0
60.0	11.1	21.0	30.5	41.0	49.5	57.0	65.0	73.0	11.9	23.7	36.5	48.0	59.0	70.0
64.0	8.8	17.0	26.6	36.0	43.5	51.0	58.0	65.0	9.5	20.5	31.0	43.0	53.0	62.0
68.0	6.5	14.5	23.4	31.5	39.0	46.0	53.0	59.0	7.2	16.8	27.5	39.0	47.5	57.0
72.0		12.3	20.6	28.1	34.5	41.5	47.5	54.0	5.0	14.5	24.5	34.5	43.0	52.0
76.0 80.0		10.4	18.3	24.6	31.0	37.0	43.0	49.5		12.5	22.0	31.0	39.0	47.0
80.0		8.5	15.6	21.9	28.0	34.0	39.5	45.5		10.7	19.9	28.0	35.5	43.0
* n *	11	14	17	18	18	18	18	18	12	15	18	18	18	18
уу	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
zz _	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
_														
0-40 m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
		HSL2D 81m	В			150 t		65 t	▼ yy	zz t				

1 (3)



	000)/ <u>_</u> (09794	3	ιy	ρ i. D-	=28.0	111111					6/8		22.32
	9		m	> < t	ı	CO	DE :	>806	67<	-			B18	1 5C	000
FA	m	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
12	2.0	277.0	277.0	193.0	255.0	276.0	276.0	276.0	276.0	276.0	276.0	197.0	272.0	275.0	275.0
14	4.0	279.0	279.0	163.0	217.0	272.0	277.0	277.0	277.0	277.0	277.0	167.0	232.0	277.0	277.0
10	6.0	280.0	280.0	140.0	188.0	237.0	270.0	279.0	279.0	279.0	279.0	144.0	201.0	258.0	277.0
18	8.0	281.0	281.0	122.0	165.0	209.0	252.0	281.0	281.0	281.0	281.0	125.0	177.0	228.0	277.0
20	0.0	273.0	273.0	107.0	146.0	186.0	225.0	265.0	272.0	272.0	272.0	110.0	157.0	203.0	250.0
22	2.0	259.0	268.0	95.0	131.0	167.0	203.0	239.0	258.0	268.0	279.0	97.0	140.0	183.0	226.0
	4.0	244.0	259.0	84.0	118.0	151.0	184.0	217.0	243.0	260.0	277.0	87.0	126.0	166.0	205.0
	6.0	229.0	246.0	75.0	106.0	137.0	168.0	199.0	228.0	247.0	265.0	78.0	114.0	151.0	188.0
	8.0	214.0	230.0	68.0	97.0	125.0	154.0	183.0	212.0	231.0	248.0	70.0	104.0	138.0	172.0
	0.0	199.0	214.0	61.0	88.0	115.0	142.0	169.0	196.0	215.0	232.0	63.0	95.0	127.0	159.0
	2.0	183.0	198.0	55.0	81.0	106.0	132.0	157.0	180.0	198.0	215.0	57.0	87.0	117.0	148.0
	4.0	169.0	183.0	50.0	74.0	98.0	122.0	146.0	166.0	184.0	200.0	51.0	80.0	109.0	137.0
	6.0	159.0	173.0	44.5	68.0	91.0	114.0	136.0	157.0	174.0	189.0	46.0	74.0	101.0	128.0
	8.0	150.0	163.0	40.5	63.0	84.0	106.0	128.0	147.0	164.0	178.0	41.5	68.0	94.0	119.0
	0.0	140.0	153.0	36.5	58.0	79.0	99.0	120.0	137.0	154.0	168.0	37.5	62.0	88.0	111.0
	4.0 8.0	122.0	135.0	28.9	48.5	68.0	87.0	104.0	120.0	136.0	149.0	30.0	53.0	75.0	97.0
	2.0	110.0	122.0	23.8	41.0	59.0	77.0	93.0	108.0	122.0	135.0	24.8	45.0	66.0	85.0
	6.0	98.0	109.0	19.6	34.5	51.0 44.5	68.0	82.0	95.0	109.0	121.0	20.5	39.0	57.0	76.0
	0.0	88.0 80.0	99.0 90.0	15.2 12.4	29.5 25.6	39.5	60.0	73.0 66.0	86.0 78.0	98.0 90.0	110.0 101.0	16.0 13.1	33.0 28.3	50.0 44.5	68.0 61.0
	4.0	72.0	81.0	9.9	22.2	34.5	54.0 47.5	59.0	70.0	81.0	92.0	10.6	24.7	39.5	55.0
	8.0	66.0	75.0	7.7	19.2	30.5	43.0	54.0	64.0	74.0	84.0	8.4	21.6	35.5	49.0
	2.0	60.0	68.0	5.4	15.9	27.1	39.0	49.0	58.0	68.0	78.0	6.1	19.0	31.0	44.5
	6.0	55.0	63.0	5.4	13.9	24.4	35.0	44.0	53.0	62.0	70.0	0.1	15.9	28.1	41.0
	0.0	49.0	55.0		12.2	22.2	31.5	40.5	47.0	54.0	55.0		14.2	25.7	37.0
* n *		18	18	12	16	18	18	18	18	18	18	12	17	18	18
уу	+	13.0 300.0	13.0 350.0	15.0 0.0	15.0 50.0	15.0 100.0	15.0 150.0	15.0 200.0	15.0 250.0	15.0 300.0	15.0 350.0	18.0	18.0 50.0	18.0 100.0	18.0 150.0
zz		300.0	330.0	0.0	30.0	100.0	130.0	200.0	230.0	300.0	330.0	0.0	30.0	100.0	130.0
0-#0	n/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
			HSL2D 81m	В			150 t		65 t	₩ YY	zz t				

2 (3)



LR 160	0/2 (09794	.9	ty	p1: D:	=28.0	mm			***	678		22.32
		m	1 > < t		CO	DE :	>806	67<			B18	1 50	200
m m	81.0	81.0	81.0	81.0									
12.0	275.0	275.0	275.0	275.0									
14.0	277.0	277.0	277.0	277.0									
16.0	278.0	278.0	278.0	278.0									
18.0 20.0	279.0 271.0	279.0 276.0	279.0 276.0	279.0 276.0									
22.0	256.0	270.0	282.0	282.0									
24.0	241.0	263.0	284.0	284.0									
26.0	224.0	250.0	273.0	275.0									
28.0	207.0	234.0	255.0	263.0									
30.0	191.0	217.0	238.0	250.0									
32.0 34.0	178.0 164.0	201.0 186.0	221.0 206.0	237.0 224.0									
36.0	154.0	176.0	195.0	213.0									
38.0	144.0	165.0	184.0	201.0									
40.0	135.0	155.0	173.0	189.0									
44.0	118.0	137.0	153.0	168.0									
48.0	105.0	123.0	139.0	153.0									
52.0 56.0	93.0 84.0	110.0	125.0 114.0	138.0									
60.0	76.0	99.0 90.0	104.0	126.0 116.0									
64.0	69.0	82.0	95.0	106.0									
68.0	63.0	75.0	87.0	95.0									
72.0	57.0	69.0	79.0	83.0									
76.0	52.0	62.0	69.0	69.0									
80.0	45.0	51.0	51.0	51.0									
* n *	18	18	18	18									
уу	18.0	18.0	18.0	18.0									
zz	200.0	250.0	300.0	350.0									
_													
o -∤o													
■ m/s	12.8	12.8	12.8	12.8									
						<u> </u>	_	<u> </u>			<u> </u>		
		HSL2D 81m	В			150 t	Ĭ	65 t	zz t				



	100	0/2 \	09794	3	ιy	p 1. D-	=28.0	111111					6/8		22.32
M			m) > < t		CO	DE :	>135	56<				B18	1 27	700
	y m	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
	12.0	181.0	224.0	267.0	272.0	272.0	272.0	272.0	272.0	186.0	240.0	270.0	270.0	270.0	270.0
	14.0	153.0	191.0	228.0	265.0	273.0	273.0	273.0	273.0	158.0	205.0	252.0	272.0	272.0	272.0
	16.0	132.0	165.0	198.0	231.0	264.0	267.0	267.0	267.0	136.0	177.0	219.0	261.0	268.0	268.0
	18.0	115.0	144.0	174.0	204.0	234.0	258.0	268.0	274.0	118.0	156.0	193.0	231.0	262.0	274.0
	20.0	101.0	128.0	155.0	182.0	209.0	236.0	260.0	270.0	104.0	138.0	172.0	206.0	241.0	270.0
	22.0	89.0	114.0	139.0	163.0	188.0	213.0	238.0	250.0	92.0	123.0	155.0	186.0	217.0	249.0
	24.0	79.0	102.0	125.0	148.0	171.0	194.0	217.0	231.0	82.0	111.0	140.0	169.0	198.0	227.0
-	26.0	71.0	92.0	113.0	135.0	156.0	177.0	199.0	212.0	73.0	100.0	127.0	154.0	181.0	208.0
	28.0 30.0	63.0	83.0	103.0 94.0	123.0	143.0	163.0	183.0	198.0	66.0	91.0	116.0	141.0	166.0	191.0
	32.0	57.0 51.0	76.0 69.0	87.0	113.0 104.0	132.0 122.0	150.0 139.0	169.0 157.0	185.0 171.0	59.0 53.0	83.0 76.0	106.0 98.0	130.0 120.0	153.0 142.0	177.0 164.0
	34.0	46.5	63.0	80.0	96.0	113.0	129.0	144.0	157.0	48.5	69.0	90.0	111.0	132.0	152.0
	36.0	42.0	58.0	73.0	89.0	105.0	121.0	134.0	147.0	43.5	64.0	83.0	103.0	123.0	142.0
	38.0	38.0	53.0	68.0	83.0	98.0	113.0	126.0	138.0	39.0	59.0	77.0	96.0	115.0	133.0
	40.0	33.5	48.5	63.0	77.0	91.0	106.0	118.0	129.0	34.5	54.0	72.0	90.0	108.0	125.0
	44.0	26.9	41.0	54.0	67.0	80.0	91.0	101.0	112.0	28.0	45.5	62.0	79.0	94.0	108.0
	48.0	22.0	34.0	47.0	59.0	71.0	81.0	91.0	101.0	23.0	38.5	54.0	70.0	84.0	97.0
	52.0	17.0	28.7	41.0	52.0	63.0	72.0	81.0	90.0	18.8	32.0	47.0	62.0	74.0	86.0
	56.0	13.7	24.4	35.5	46.0	55.0	63.0	71.0	80.0	14.5	27.4	41.0	55.0	65.0	76.0
	60.0	10.9	20.8	30.0	40.5	49.0	57.0	65.0	73.0	11.7	23.5	36.0	48.0	59.0	69.0
	64.0	8.5	16.8	26.3	36.0	43.5	51.0	58.0	65.0	9.2	20.2	31.0	43.0	53.0	63.0
	68.0	6.2	14.2	23.1	31.5	38.0	45.0	52.0	59.0	6.9	16.5	27.2	38.0	47.0	56.0
	72.0		12.0	20.3	27.7	34.5	41.0	47.5	54.0		14.1	24.1	34.0	42.5	51.0
	76.0		10.1	17.0	24.2	30.5	36.5	43.0	49.0		12.1	21.5	30.5	38.5	46.5
	80.0		8.0	15.0	21.1	27.2	33.0	39.0	44.5		10.2	19.2	27.0	34.5	42.5
	84.0		6.3	13.4	19.0	24.7	30.5	36.0	41.5		8.4	16.6	24.6	32.0	39.0
* r	า *	11	14	17	17	17	17	17	18	12	15	17	17	17	18
уу		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
ZZ		0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
	_														
0-4	n														
	_	4.5.	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	40 =		45.5	4
₩	m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
<u></u>															
						7	-		0.5	684	ØD.			$\overline{}$	
			HSL2D	В				11 _	65	NA.					
			84m				150			₩					
			04111						, -	← ∨	ym zzt				
		_/\				/	-	/		,					



	00/2	03137		ιy	ρ i. D-	=28.0	111111					6/8		22.32
		m	1 > < t		CO	DE :	>135	56<	-	-		B18	1 27	700
₽ L	n 84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
12.	0 270.0	270.0	189.0	251.0	270.0	270.0	270.0	270.0	270.0	270.0	194.0	267.0	268.0	268.0
14.	0 272.0	272.0	160.0	214.0	268.0	270.0	270.0	270.0	270.0	270.0	165.0	228.0	270.0	270.0
16.	0 268.0	268.0	138.0	186.0	234.0	265.0	272.0	272.0	272.0	272.0	142.0	198.0	255.0	269.0
18.		274.0	120.0	163.0	206.0	249.0	273.0	273.0	273.0	273.0	124.0	175.0	225.0	267.0
20.	l l	270.0	106.0	145.0	184.0	223.0	262.0	269.0	269.0	269.0	109.0	155.0	201.0	247.0
22.		256.0	94.0	129.0	165.0	201.0	237.0	254.0	263.0	270.0	96.0	139.0	181.0	224.0
24.	I	253.0	83.0	116.0	149.0	182.0	215.0	240.0	254.0	268.0	86.0	125.0	164.0	203.0
26.		243.0	75.0	105.0	136.0	167.0	197.0	225.0	244.0	262.0	77.0	113.0	150.0	186.0
28.		228.0	67.0	96.0	124.0	153.0	182.0	210.0	229.0	246.0	69.0	103.0	137.0	171.0
30.		213.0	60.0	87.0	114.0	141.0	168.0	195.0	214.0	231.0	63.0	94.0	126.0	158.0
32.	l l	198.0	55.0	80.0	105.0	130.0	156.0	181.0	199.0	215.0	57.0	87.0	116.0	146.0
34.		183.0	49.5	73.0	97.0	121.0	145.0	166.0	184.0	199.0	51.0	80.0	108.0	136.0
36. 38.		172.0	44.5	67.0	90.0	113.0	135.0	155.0	173.0	188.0	46.0	73.0	100.0	127.0
40.		163.0 153.0	40.0 36.5	62.0 57.0	84.0 78.0	105.0 98.0	127.0 119.0	146.0 137.0	163.0 154.0	178.0 168.0	41.5 37.5	68.0 62.0	93.0 87.0	119.0 111.0
44.	I	135.0	28.8	48.0	78.0 68.0	98.0 87.0	103.0	119.0	135.0	148.0	29.9	53.0	87.0 75.0	97.0
48.		122.0	23.7	41.0	59.0	76.0	93.0	107.0	122.0	135.0	24.7	44.5	65.0	85.0
52.		110.0	19.4	34.5	51.0	67.0	82.0	96.0	109.0	122.0	20.3	38.5	57.0	76.0
56.		98.0	15.1	29.3	44.5	60.0	72.0	85.0	97.0	110.0	15.8	32.5	50.0	68.0
60.		89.0	12.2	25.3	39.5	53.0	66.0	78.0	89.0	101.0	12.9	28.1	44.0	60.0
64.		81.0	9.7	21.9	34.0	47.5	59.0	70.0	81.0	92.0	10.4	24.5	39.5	55.0
68.	_	74.0	7.4	18.9	30.0	42.5	53.0	63.0	73.0	83.0	8.2	21.3	34.5	49.0
72.		68.0	5.1	15.6	26.7	38.5	48.5	58.0	68.0	77.0	5.8	18.6	30.5	44.0
76.	I	62.0		13.4	23.9	34.0	43.5	53.0	62.0	70.0		15.5	27.6	40.5
80.		57.0		11.6	21.6	31.0	39.5	48.5	57.0	61.0		13.6	25.0	37.0
84.	0 42.5	45.5		9.8	19.5	28.4	36.5	40.0	44.0	44.0		11.9	23.0	32.5
* n *	18	18	12	16	17	17	17	17	17	17	12	17	17	17
	10.5	40.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	40.0	40.0	40.0	40.0
уу _	300.0	13.0 350.0	15.0 0.0	15.0	15.0 100.0	15.0 150.0	15.0 200.0	15.0 250.0	15.0	15.0 350.0	18.0	18.0 50.0	18.0 100.0	18.0
zz _	300.0	330.0	0.0	50.0	100.0	150.0	200.0	250.0	300.0	330.0	0.0	30.0	100.0	150.0
-														
0-40 m/	s 12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
		HSL2D 84m	В			150 t		65 t	₩ YY	zz t				



*** 678 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.32 CODE >1356< B181 2700 m > < t84.0 84.0 84.0 84.0 m 12.0 268.0 268.0 268.0 268.0 14.0 270.0 270.0 270.0 270.0 16.0 270.0 270.0 270.0 270.0 18.0 271.0 271.0 271.0 271.0 20.0 268.0 270.0 270.0 270.0 22.0 253.0 263.0 273.0 274.0 24.0 238.0 257.0 273.0 274.0 26.0 269.0 222.0 248.0 272.0 28.0 205.0 232.0 253.0 260.0 30.0 190.0 217.0 237.0 247.0 32.0 176.0 201.0 221.0 235.0 34.0 164.0 186.0 205.0 222.0 36.0 153.0 175.0 193.0 211.0 38.0 144.0 165.0 183.0 200.0 40.0 135.0 155.0 173.0 189.0 44.0 117.0 136.0 152.0 168.0 48.0 105.0 123.0 138.0 153.0 52.0 93.0 110.0 125.0 139.0 56.0 83.0 98.0 113.0 125.0 60.0 76.0 90.0 104.0 116.0 64.0 69.0 82.0 95.0 107.0 68.0 62.0 74.0 86.0 97.0 72.0 57.0 68.0 77.0 83.0 76.0 52.0 63.0 68.0 69.0 80.0 55.0 47.5 57.0 57.0 84.0 37.0 39.0 39.0 39.0 * n * 17 17 17 18 18.0 18.0 18.0 18.0 уу 200.0 250.0 300.0 350.0 ΖZ 0-10 m/s 12.8 12.8 12.8 12.8 HSL2DB 84m



	100	0/2 (09794	9	ιy	ρ i. D-	=28.0	111111					6/8		22.32
N.			m	ı > < t		CO	DE :	>806	>86				B18	1 5 C	000
F	m	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
	14.0	150.0	187.0	223.0	260.0	266.0	266.0	266.0	266.0	154.0	201.0	247.0	265.0	265.0	265.0
	16.0	129.0	161.0	194.0	227.0	260.0	262.0	262.0	262.0	133.0	174.0	215.0	257.0	262.0	262.0
	18.0	112.0	141.0	171.0	200.0	230.0	252.0	260.0	267.0	115.0	153.0	190.0	227.0	255.0	266.0
	20.0	98.0	125.0	152.0	179.0	206.0	232.0	255.0	267.0	101.0	135.0	169.0	203.0	237.0	267.0
	22.0	87.0	111.0	136.0	161.0	185.0	210.0	234.0	249.0	89.0	121.0	152.0	183.0	214.0	245.0
	24.0	77.0	100.0	122.0	145.0	168.0	191.0	213.0	229.0	80.0	108.0	137.0	166.0	194.0	223.0
	26.0	69.0	90.0	111.0	132.0	153.0	174.0	195.0	210.0	71.0	98.0	124.0	151.0	178.0	204.0
	28.0	62.0	81.0	101.0	121.0	140.0	160.0	180.0	196.0	64.0	89.0	114.0	138.0	163.0	188.0
	30.0	55.0	74.0	92.0	111.0	129.0	148.0	166.0	183.0	57.0	81.0	104.0	127.0	151.0	174.0
	32.0	49.5	67.0	85.0	102.0	119.0	137.0	154.0	170.0	52.0	74.0	96.0	118.0	140.0	162.0
	34.0 36.0	44.5	61.0	78.0	94.0	111.0	127.0	144.0	157.0	46.5	67.0	88.0	109.0	130.0	151.0
-	38.0	40.5	56.0	72.0	87.0	103.0 96.0	118.0	131.0	144.0	42.0	62.0 57.0	82.0	101.0	121.0 113.0	139.0
	40.0	36.5 32.0	51.0 47.0	66.0 61.0	81.0 75.0	96.0 89.0	111.0 104.0	124.0 116.0	136.0 128.0	38.0 33.5	52.0	76.0 70.0	94.0 88.0	106.0	131.0 123.0
-	44.0	25.9	39.5	52.0	65.0	78.0	90.0	101.0	112.0	27.0	44.0	61.0	77.0	93.0	107.0
	48.0	21.0	33.0	45.0	57.0	69.0	79.0	89.0	99.0	22.0	37.5	53.0	68.0	82.0	95.0
	52.0	16.0	27.7	39.0	50.0	61.0	71.0	80.0	89.0	16.9	31.0	45.5	60.0	73.0	85.0
	56.0	12.8	23.4	34.0	44.0	54.0	62.0	70.0	79.0	13.5	26.3	40.0	53.0	64.0	75.0
	60.0	9.9	19.6	29.0	39.0	47.5	55.0	63.0	71.0	10.7	22.5	34.0	47.0	58.0	68.0
	64.0	7.1	15.8	25.3	34.5	42.0	49.5	57.0	64.0	8.0	19.2	29.7	41.5	52.0	61.0
	68.0		13.2	21.9	30.0	37.0	44.0	51.0	58.0	5.5	15.5	26.1	37.0	46.0	55.0
	72.0		10.7	18.9	26.2	33.0	39.5	46.0	52.0		13.1	23.1	32.5	41.0	49.5
	76.0		8.5	15.9	22.9	29.2	35.5	41.5	48.0		11.0	20.4	29.2	37.0	45.0
	80.0		6.6	13.9	19.5	25.6	31.5	37.5	43.5		9.0	18.1	25.5	33.5	41.0
	84.0			12.2	17.4	22.6	28.4	34.0	39.5		7.1	15.3	22.6	30.0	37.5
	88.0			10.4	16.0	20.6	26.1	31.5	37.0		5.6	13.9	20.6	27.8	33.5
*	n *	9	12	14	17	17	17	17	17	10	13	16	17	17	17
	-	-													
уу		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
ZZ		0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
	_														
- 4															
0-4	0														
	m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
											•			_	$\overline{}$
			HSL2D	в					65	N.					
				1			150	III≡ 7		▮▮₩					
			87m						`, " ≡		zz t				
		/L				ノし	τ	/	τ	У:	ý m				



LK	100	0/2 (09194	3	ιy	ρ i. D-	=28.0	111111					6/8		22.32
M			m	> < t		CO	DE :	>806	>86				B18	1 5E	000
F	m m	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
	14.0	265.0	265.0	157.0	210.0	263.0	264.0	264.0	264.0	264.0	264.0	161.0	224.0	262.0	262.0
	16.0	262.0	262.0	135.0	182.0	229.0	260.0	263.0	263.0	263.0	263.0	139.0	195.0	251.0	261.0
	18.0	266.0	266.0	118.0	160.0	202.0	245.0	263.0	265.0	265.0	265.0	121.0	171.0	222.0	259.0
	20.0	267.0	267.0	103.0	142.0	181.0	219.0	258.0	266.0	266.0	266.0	106.0	152.0	198.0	244.0
	22.0	252.0	252.0	91.0	127.0	162.0	198.0	233.0	251.0	257.0	257.0	94.0	136.0	178.0	220.0
	24.0	238.0	247.0	81.0	114.0	147.0	179.0	212.0	237.0	248.0	259.0	84.0	123.0	161.0	200.0
	26.0	223.0	238.0	73.0	103.0	133.0	164.0	194.0	222.0	239.0	256.0	75.0	111.0	147.0	183.0
	28.0	209.0	225.0	65.0	94.0	122.0	150.0	179.0	207.0	226.0	243.0	67.0	101.0	135.0	168.0
	30.0	196.0	211.0	59.0	85.0	112.0	139.0	165.0	192.0	212.0	228.0	61.0	92.0	124.0	155.0
	32.0	182.0	197.0	53.0	78.0	103.0	128.0	153.0	178.0	198.0	214.0	55.0	85.0	114.0	144.0
	34.0 36.0	168.0	183.0	47.5	71.0	95.0	119.0	143.0	166.0	184.0	199.0	49.5	78.0	106.0	134.0
	38.0	156.0 147.0	170.0	43.0	66.0	88.0	111.0	133.0	153.0 144.0	170.0	185.0	45.0	72.0	98.0	125.0
	40.0	138.0	161.0 152.0	39.0 34.5	60.0 56.0	82.0 76.0	103.0 96.0	125.0 117.0	136.0	161.0 152.0	176.0 167.0	40.5 36.5	66.0 61.0	91.0 85.0	117.0 109.0
<u> </u>	44.0	121.0	134.0	27.8	47.0	66.0	85.0	103.0	119.0	134.0	148.0	28.9	51.0	74.0	96.0
	48.0	107.0	120.0	22.6	40.0	58.0	75.0	91.0	105.0	120.0	133.0	23.6	43.5	64.0	84.0
	52.0	97.0	108.0	18.4	33.5	49.5	66.0	81.0	95.0	108.0	121.0	19.3	37.5	56.0	75.0
	56.0	86.0	97.0	14.1	28.3	43.5	58.0	72.0	84.0	97.0	109.0	14.9	31.5	49.0	66.0
	60.0	78.0	88.0	11.2	24.3	38.0	52.0	64.0	76.0	88.0	99.0	11.9	27.0	43.0	59.0
	64.0	71.0	80.0	8.7	20.9	33.0	46.0	58.0	69.0	80.0	91.0	9.4	23.4	38.5	53.0
	68.0	64.0	73.0	6.1	17.0	28.9	41.5	52.0	62.0	72.0	83.0	7.0	20.3	33.5	47.5
	72.0	58.0	66.0		14.5	25.6	37.0	47.0	56.0	66.0	75.0		16.7	29.5	43.0
	76.0	53.0	61.0		12.4	22.8	33.0	42.5	52.0	61.0	68.0		14.4	26.5	39.0
	80.0	48.5	56.0		10.4	20.4	29.5	38.5	47.0	56.0	61.0		12.5	23.9	35.5
	84.0	44.5	52.0		8.4	18.2	26.4	35.0	43.0	50.0	51.0		10.5	21.6	32.0
	88.0	34.5	35.5		6.9	15.9	24.4	30.5	32.0	33.0	33.0		8.9	19.6	25.8
* r	۱ *	17	17	10	13	17	17	17	17	17	17	10	14	17	17
уу		13.0	13.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	18.0	18.0	18.0	18.0
ZZ		300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0
	_														
	_														
A 14															
0-4															
	m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
						1	_			_	A			$\overline{}$	
			HSL2D	В					65	N/A		1			
							150			₩		1			
			87m				-		. =	∏	zz t				
L						J	ι		ι	У.	ý m				

2 (3)



	LR 16	00/2	09794	.9	ty	p1: D	=28.0	mm				***	678		22.32
140 262.0 262.0 262.0 262.0 263.0 160 263.0 263.0 263.0 263.0 263.0 263.0 265.			l m	n > < t		CO	DE :	>806	>86				B18	1 5[000
150 2830 2830 2830 2830 2830 2830 2830 150 2830 150 2840 2840 2840 2840 2840 2840 2840 284		m 87.0	87.0	87.0	87.0										
18.0	14.	0 262.0	262.0	262.0	262.0										
20.0 285.0 285.0 285.0 285.0 285.0 287.0 2															
22.0 250.0 257.0 257.0 257.0 257.0 250.0 2		1													
24.0 235.0 250.0 283.0 266.0 267.0 267.0 28.0 202.0 229.0 249.0 256.0 30.0 187.0 215.0 234.0 244.0 32.0 17.4 200.0 219.0 232.0 34.0 162.0 168.0 205.0 220.0 33.0 187.0 215.0 234.0 28.0 32.0 17.4 200.0 219.0 232.0 34.0 162.0 163.0 181.0 198.0 40.0 133.0 184.0 17.1 188.0 40.0 133.0 184.0 17.1 188.0 44.0 17.1 17.0 135.0 152.0 167.0 48.0 103.0 121.0 137.0 151.0 52.0 167.0 48.0 103.0 121.0 137.0 151.0 52.0 167.0 48.0 103.0 121.0 137.0 151.0 52.0 167.0 48.0 103.0 121.0 137.0 151.0 52.0 167.0 48.0 103.0 121.0 137.0 151.0 52.0 167.0 48.0 103.0 124.0 138.0 56.0 82.0 97.0 112.0 125.0 50.0 60.0 74.0 88.0 102.0 114.0 64.0 68.0 81.0 94.0 104.0 68.0 81.0 94.0 104.0 68.0 81.0 94.0 104.0 68.0 81.0 94.0 104.0 68.0 81.0 82.0 67.0 76.0 82.0 76.0 82.0 76.0 82.0 76.0 82.0 76.0 82.0 76.0 82.0 76.0 82.0 76.0 82.0 76.0 82.0 76.0 82.0 76.0 82.0 82.0 97.0 112.0 12.0 12.0 12.0 12.0 12.0 12.0 1															
28.0 2020 229.0 249.0 256.0 30.0 187.0 215.0 234.0 244.0 32.0 174.0 200.0 219.0 232.0 34.0 186.0 186.0 172.0 191.0 208.0 36.0 150.0 172.0 191.0 208.0 38.0 142.0 188.0 181.0 188.0 40.0 133.0 154.0 171.0 188.0 44.0 117.0 135.0 152.0 167.0 48.0 103.0 121.0 137.0 151.0 52.0 92.0 109.0 124.0 138.0 56.0 82.0 97.0 112.0 125.0 60.0 74.0 88.0 102.0 114.0 68.0 61.0 73.0 85.0 94.0 68.0 61.0 73.0 85.0 94.0 72.0 55.0 67.0 75.0 82.0 72.0 55.0 65.0 82.0 72.1 12.0 12.0 12.0 12.0 12.0 12.0 12.0 1		I	l												
30.0 187.0 215.0 234.0 244.0 32.0 174.0 200.0 219.0 232.0 34.0 162.0 186.0 205.0 220.0 36.0 150.0 172.0 191.0 208.0 36.0 142.0 163.0 181.0 198.0 40.0 133.0 154.0 171.0 188.0 40.0 133.0 154.0 171.0 188.0 40.0 133.0 152.0 167.0 48.0 103.0 121.0 137.0 151.0 52.0 82.0 97.0 112.0 125.0 60.0 74.0 88.0 102.0 114.0 68.0 61.0 73.0 85.0 94.0 72.0 55.0 67.0 76.0 61.0 62.0 67.0 70.0 80.0 46.0 56.0 58.0 58.0 58.0 84.0 42.0 46.5 47.0 47.0 88.0 27.4 28.0 28.0 28.0 28.0 28.0 27.4 28.0 28.0 28.0 28.0 28.0 28.0 27.4 28.0															
32.0 174.0 20.0 219.0 232.0 34.0 162.0 185.0 150.0 172.0 185.0 150.0 172.0 185.0 181.0 198.0 38.0 142.0 163.0 181.0 198.0 440.0 133.0 154.0 171.0 188.0 440.0 133.0 154.0 133.0 154.0 133.0 154.0 133.0 154.0 137.0 151.0 52.0 92.0 109.0 124.0 138.0 56.0 82.0 97.0 112.0 125.0 56.0 82.0 97.0 112.0 125.0 56.0 82.0 97.0 112.0 125.0 56.0 86.0 81.0 94.0 104.0 64.0 68.0 81.0 94.0 104.0 64.0 68.0 81.0 94.0 104.0 66.0 67.0 76.0 82.0 76.0 92.0 76.0 92.0 76.0 92.0 76.0 92.0 76.0 82.0 80.0 46.0 56.0 58.0 58.0 58.0 84.0 42.0 46.5 47.0 47.0 88.0 27.4 28.0 28.0 28.0 28.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92			229.0	249.0											
34.0 162.0 196.0 205.0 220.0 36.0 150.0 172.0 191.0 208.0 38.0 142.0 163.0 181.0 198.0 40.0 133.0 154.0 171.0 188.0 44.0 117.0 138.0 152.0 167.0 48.0 103.0 121.0 137.0 151.0 52.0 92.0 109.0 124.0 138.0 56.0 82.0 97.0 112.0 125.0 60.0 74.0 88.0 102.0 114.0 68.0 81.0 94.0 104.0 68.0 81.0 94.0 104.0 68.0 81.0 94.0 104.0 68.0 81.0 94.0 104.0 68.0 81.0 94.0 104.0 68.0 81.0 82.0 87.0 82.0 88.0 84.0 42.0 46.5 47.0 47.0 88.0 27.4 28.0 28.0 28.0 28.0 88.0 88.0 27.4 28.0 28.0 28.0 88.0 87.0 27.4 28.0 2		1	l												
36.0 150.0 172.0 191.0 208.0 38.0 142.0 163.0 181.0 198.0 44.0 117.0 135.0 152.0 167.0 44.0 117.0 135.0 152.0 167.0 44.0 103.0 121.0 137.0 151.0 52.0 92.0 109.0 124.0 138.0 56.0 82.0 97.0 112.0 125.0 66.0 74.0 88.0 81.0 94.0 104.0 68.0 81.0 94.0 104.0 68.0 61.0 73.0 85.0 94.0 72.0 55.0 67.0 75.0 82.0 76.0 82.0 76.0 82.0 76.0 82.0 76.0 83.0 44.0 46.5 56.0 58.0 58.0 58.0 84.0 42.0 46.5 47.0 47.0 88.0 27.4 28.0 28.0 28.0 28.0 28.0 28.0 27.0 25.0 25.0 300.0 350.0															
38.0 142.0 163.0 181.0 198.0 40.0 133.0 154.0 171.0 188.0 44.0 133.0 154.0 171.0 188.0 162.0 167.0 48.0 103.0 121.0 137.0 151.0 52.0 92.0 109.0 124.0 138.0 56.0 82.0 97.0 112.0 125.0 60.0 74.0 88.0 102.0 114.0 68.0 81.0 94.0 104.0 68.0 81.0 94.0 104.0 68.0 61.0 73.0 85.0 94.0 72.0 55.0 67.0 75.0 82.0 67.0 75.0 82.0 67.0 75.0 82.0 82.0 82.0 82.0 82.0 82.0 82.0 82			l												
40.0 133.0 154.0 171.0 188.0															
48.0 103.0 121.0 137.0 151.0 52.0 92.0 109.0 124.0 138.0 56.0 82.0 97.0 112.0 125.0 96.0 82.0 97.0 112.0 125.0 96.0 60.0 74.0 88.0 102.0 114.0 94.0 104.0 104.0 94.0 104.0 94.0 104.0 94.0 104.0 94.0 104.0 94.0 104.0 94.0 104.0 104.0 94.0 104.0			I												
52.0 92.0 109.0 124.0 138.0 56.0 82.0 97.0 112.0 125.0		0 117.0	135.0	152.0	167.0										
56.0 82.0 97.0 112.0 125.0 60.0 74.0 88.0 102.0 114.0 64.0 68.0 81.0 94.0 104.0 68.0 81.0 94.0 75.0 67.0 76.0 82.0 77.0 55.0 67.0 76.0 82.0 77.0 80.0 46.0 56.0 58.0 58.0 88.0 94.0 88.0 27.4 28.0 28.0 28.0 88.0 97.0 117. 17 17 17 17 17 17 17 17 17 17 17 17 17															
60.0 74.0 88.0 102.0 114.0 64.0 68.0 81.0 94.0 104.0 66.0 68.0 61.0 73.0 85.0 94.0 104.0 66.0 61.0 73.0 85.0 94.0 104.0 60.0 46.0 55.0 67.0 70.0 82.0 76.0 82.0 76.0 84.0 42.0 46.5 56.0 58.0 58.0 84.0 42.0 46.5 47.0 47.0 88.0 27.4 28.0 28.0 28.0 28.0 28.0 28.0 27.4 28.0 28.0 28.0 28.0 28.0 28.0 28.0 28.0			I												
64.0 68.0 81.0 94.0 104.0 68.0 68.0 61.0 73.0 85.0 94.0 72.0 55.0 67.0 76.0 82.0 76.0 51.0 62.0 67.0 70.0 80.0 46.0 56.0 58.0 58.0 84.0 42.0 46.5 47.0 47.0 88.0 27.4 28.0 28.0 28.0 28.0 27.4 28.0 28.0 28.0 28.0 27.4 28.0 28.0 28.0 28.0 27.4 28.0 25.0 300.0 350.0 250.0 250.0 300.0 350.0 2															
68.0 61.0 73.0 85.0 94.0 72.0 55.0 67.0 76.0 82.0 76.0 51.0 62.0 67.0 70.0 80.0 46.0 56.0 58.0 58.0 58.0 84.0 42.0 46.5 47.0 47.0 88.0 27.4 28.0 28.0 28.0 28.0 28.0 28.0 28.0 28.0		_	l												
72.0 55.0 67.0 76.0 82.0 76.0 82.0 76.0 51.0 62.0 67.0 70.0 80.0 46.0 56.0 58.0 58.0 84.0 42.0 46.5 47.0 47.0 88.0 27.4 28.0 28.0 28.0 28.0 27.4 28.0 28.0 28.0 28.0 27.4 28.0 28.0 28.0 28.0 27.4 28.0 28.0 28.0 28.0 28.0 28.0 28.0 28.0															
80.0 46.0 56.0 58.0 58.0 58.0 84.0 42.0 46.5 47.0 47.0 88.0 27.4 28.0 28.0 28.0 28.0 27.4 28.0 28.0 28.0 28.0 27.4 28.0 28.0 28.0 28.0 27.4 28.0 28.0 28.0 28.0 28.0 28.0 28.0 28.0		55.0													
84.0 42.0 46.5 47.0 47.0 88.0 27.4 28.0 28.0 28.0 28.0 28.0 28.0 28.0 28.0		.	l												
n 17 17 17 17 17 17 17 17 17 17 17 17 17															
n 17 17 17 17 17 17 17 17 17 17 18.0 18.0 18.0 220.0 250.0 300.0 350.0 250.0 250.0 300.0 350.0 250.0		.	l												
yy 18.0 18.0 18.0 18.0 200.0 250.0 300.0 350.0		27.4	26.0	20.0	20.0										
yy 18.0 18.0 18.0 18.0 200.0 250.0 300.0 350.0															
yy 18.0 18.0 18.0 18.0 200.0 250.0 300.0 350.0															
yy 18.0 18.0 18.0 18.0 200.0 250.0 300.0 350.0															
yy 18.0 18.0 18.0 18.0 200.0 250.0 300.0 350.0															
yy 18.0 18.0 18.0 18.0 200.0 250.0 300.0 350.0															
yy 18.0 18.0 18.0 18.0 200.0 250.0 300.0 350.0															
222 200.0 250.0 300.0 350.0	* n *	17	17	17	17										
222 200.0 250.0 300.0 350.0	_	100													
MSL2DB 65		_													
M/s 12.8 12.8 12.8 12.8 12.8 HSL2DB 65	_	200.0	230.0	300.0	330.0										
M/s 12.8 12.8 12.8 12.8 12.8 HSL2DB 65															
M/s 12.8 12.8 12.8 12.8 12.8 HSL2DB 65															
M/s 12.8 12.8 12.8 12.8 12.8 HSL2DB 65	_														
M/s 12.8 12.8 12.8 12.8 12.8 HSL2DB 65															
M/s 12.8 12.8 12.8 12.8 12.8 HSL2DB 65	-														
M/s 12.8 12.8 12.8 12.8 12.8 HSL2DB 65															
M/s 12.8 12.8 12.8 12.8 12.8 HSL2DB 65	0-10														
HSL2DB 65		s 12.8	12.8	12.8	12.8										
	3,														
						7/		\ <u></u>					$\overline{}$	_	$\overline{}$
			HSL2D	В					65	N.					
$\begin{bmatrix} \bullet & \bullet & \bullet \\ t & \bullet & \bullet \end{bmatrix} \begin{bmatrix} \bullet & \bullet & \bullet \\ t & \bullet & \bullet \end{bmatrix} \begin{bmatrix} \bullet & \bullet & \bullet \\ yym & \bullet & \bullet \end{bmatrix}$							150								
			0/11				t		t -	▼ y	⊣* zzt ym				



	100	J, Z	09794		· · · ·	p 1. D-	=28.0						6/8		22.32
M			m	> < t		CO	DE :	>135	>85				B18	1 28	300
F	m	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
	14.0	148.0	184.0	220.0	256.0	256.0	256.0	256.0	256.0	152.0	198.0	244.0	248.0	248.0	248.0
	16.0	127.0	159.0	192.0	224.0	254.0	254.0	254.0	254.0	131.0	172.0	212.0	244.0	244.0	244.0
	18.0	110.0	140.0	169.0	198.0	227.0	245.0	251.0	251.0	114.0	151.0	187.0	224.0	241.0	241.0
	20.0	97.0	124.0	150.0	177.0	203.0	230.0	247.0	249.0	100.0	133.0	167.0	201.0	234.0	236.0
	22.0	86.0	110.0	134.0	159.0	183.0	208.0	232.0	237.0	88.0	119.0	150.0	181.0	212.0	226.0
	24.0	76.0	99.0	121.0	144.0	166.0	189.0	211.0	223.0	79.0	107.0	136.0	164.0	193.0	215.0
	26.0	68.0	89.0	110.0	131.0	152.0	173.0	194.0	208.0	70.0	97.0	123.0	150.0	176.0	203.0
	28.0	61.0	80.0	100.0	120.0	139.0	159.0	178.0	194.0	63.0	88.0	112.0	137.0	162.0	187.0
	30.0 32.0	55.0	73.0	91.0	110.0	128.0	147.0	165.0	182.0 170.0	57.0	80.0	103.0	126.0	149.0	173.0
	34.0	49.0 44.0	66.0 61.0	84.0 77.0	101.0 93.0	118.0 110.0	136.0 126.0	153.0 143.0	157.0	51.0 46.0	73.0 67.0	95.0 87.0	117.0 108.0	139.0 129.0	160.0 149.0
	36.0	40.0	55.0	71.0	86.0	102.0	118.0	132.0	145.0	41.5	61.0	81.0	100.0	129.0	149.0
	38.0	36.0	51.0	66.0	80.0	95.0	110.0	123.0	135.0	37.5	56.0	75.0	94.0	112.0	130.0
	40.0	32.0	46.5	61.0	75.0	89.0	103.0	116.0	128.0	33.5	52.0	69.0	87.0	105.0	123.0
	44.0	25.8	39.0	52.0	65.0	78.0	91.0	102.0	112.0	26.9	44.0	60.0	76.0	93.0	108.0
	48.0	20.9	33.0	45.0	57.0	69.0	79.0	88.0	98.0	21.8	37.5	52.0	67.0	82.0	94.0
	52.0	15.9	27.6	39.0	50.0	61.0	71.0	80.0	89.0	16.8	31.0	45.5	60.0	73.0	85.0
	56.0	12.7	23.3	33.5	44.0	54.0	62.0	71.0	79.0	13.5	26.2	39.5	53.0	65.0	76.0
	60.0	9.7	19.4	28.9	38.5	47.0	55.0	63.0	70.0	10.6	22.4	34.0	46.5	57.0	67.0
	64.0	6.9	15.7	25.1	34.0	42.0	49.5	57.0	64.0	7.9	19.1	29.6	41.5	52.0	61.0
	68.0		13.1	21.7	30.0	37.5	44.5	51.0	58.0	5.4	15.4	26.1	37.5	46.5	55.0
	72.0		10.5	18.7	26.0	32.5	39.0	45.5	52.0		13.0	23.0	32.5	41.0	49.5
	76.0		8.3	15.8	23.0	29.2	35.5	41.5	48.0		11.0	20.3	29.1	37.5	45.5
	80.0		6.4	13.8	20.1	25.8	32.0	38.0	43.5		9.0	18.0	25.7	33.5	41.0
	84.0			11.8	17.4	22.6	28.4	34.0	39.5		7.1	15.2	22.5	30.0	37.5
	88.0			10.3	15.6	20.0	25.6	31.0	36.5		5.4	13.6	20.1	27.2	34.0
* r	ı *	9	11	14	16	16	16	16	16	9	12	15	16	16	16
уу		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
ZZ		0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
	_														
	-														
0-4															
	_														
₩	m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
						1				A	Øħ.			$\overline{}$	
			HSL2D	в				11 _	65	NO.					
			00 -				150	≡4		₩					
			90m				-		, =	←	zz t y m		1		
		_/\				/ _		/	`	У.	,			<u> </u>	



	00/2	03137	3	ιy	p1: D=	-20.0	111111					6/8		22.32
		m	ı > < t		CO	DE :	>135	>85				B18	1 28	300
	m 90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
14.	.0 248.0	248.0	154.0	207.0	241.0	241.0	241.0	241.0	241.0	241.0	158.0	220.0	233.0	233.0
16.	.0 244.0	244.0	133.0	180.0	226.0	237.0	237.0	237.0	237.0	237.0	137.0	192.0	229.0	229.0
18.	.0 241.0	241.0	116.0	158.0	200.0	233.0	233.0	233.0	233.0	233.0	119.0	169.0	219.0	225.0
20.		236.0	102.0	140.0	178.0	217.0	229.0	229.0	229.0	229.0	105.0	150.0	195.0	222.0
22.		230.0	90.0	125.0	160.0	196.0	220.0	224.0	224.0	224.0	93.0	134.0	176.0	212.0
24.		226.0	80.0	113.0	145.0	178.0	208.0	219.0	220.0	220.0	83.0	121.0	160.0	198.0
26.	I	222.0	72.0	102.0	132.0	162.0	192.0	214.0	216.0	216.0	74.0	110.0	146.0	181.0
28.		214.0	64.0	93.0	121.0	149.0	177.0	205.0	209.0	209.0	67.0	100.0	133.0	167.0
30.	I	203.0	58.0	84.0	111.0	137.0	164.0	190.0	199.0	203.0	60.0	91.0	123.0	154.0
32.		192.0	52.0	77.0	102.0	127.0	152.0	177.0	189.0	196.0	54.0	84.0	113.0	143.0
34.		180.0	47.0	71.0	94.0	118.0	141.0	165.0	179.0	189.0	49.0	77.0	105.0	133.0
36.		169.0	42.5	65.0	87.0	110.0	132.0	153.0	169.0	183.0	44.5	71.0	97.0	124.0
38.		160.0	38.5	60.0	81.0	102.0	124.0	143.0	160.0	175.0	40.0	65.0	91.0	116.0
40.		151.0	34.5	55.0	75.0	96.0	116.0	135.0	152.0	166.0	36.5	60.0	84.0	108.0
44.	I	135.0	27.6	47.0	66.0	84.0	103.0	119.0	135.0	148.0	28.7	51.0	74.0	96.0
48.		119.0	22.5	40.0	57.0	74.0	90.0	105.0	119.0	132.0	23.5	43.5	64.0	84.0
52. 56.		108.0	18.3	33.0	49.5	66.0	81.0	95.0	108.0	121.0	19.2	37.5	56.0	75.0
60.	_	97.0	14.0	28.2	43.0	58.0	72.0	85.0	97.0	109.0	14.8	31.5	49.0	66.0
64.		87.0	11.1	24.2	38.0	52.0	64.0	75.0	87.0	99.0	11.8	26.9	43.0	59.0
68.		80.0	8.5	20.8	33.0	46.0	58.0	69.0	80.0	91.0	9.3	23.3	38.5	53.0
72.	1 -	73.0	6.0	16.9	28.8	41.5	52.0	63.0	73.0	83.0	6.8	20.2	33.5	47.5
76.	_	66.0		14.5	25.6	37.0	46.5	56.0	66.0	75.0		16.6	29.5	43.0
80.	.	61.0		12.3	22.8	33.0	42.5	52.0	61.0	70.0		14.4	26.4	39.0
84.		56.0		10.5	20.3	29.6	38.5	47.5	56.0	65.0		12.4	23.8	35.5
88.	1	52.0 48.0		8.5 6.8	18.1 15.6	26.4 23.7	35.0 32.0	43.0 39.5	51.0 46.5	60.0 54.0		10.6 8.7	21.5 19.4	32.0 28.8
* n *	16	16	10	13	15	15	15	15	15	15	10	14	15	15
уу _	13.0	13.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	18.0	18.0	18.0	18.0
-	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0
0-40 m/	/s 12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
		HSL2D 90m	В			150 t		65 t	₩ YY	zz t				



*** 678 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.32 CODE >1358< B181 2800 m > < tm 90.0 90.0 90.0 90.0 14.0 233.0 233.0 233.0 233.0 16.0 229.0 229.0 229.0 229.0 18.0 225.0 225.0 225.0 225.0 20.0 222.0 222.0 222.0 222.0 22.0 217.0 217.0 217.0 217.0 24.0 214.0 214.0 214.0 214.0 26.0 210.0 210.0 210.0 210.0 203.0 28.0 200.0 203.0 203.0 30.0 185.0 195.0 200.0 200.0 32.0 172.0 187.0 196.0 196.0 34.0 161.0 179.0 191.0 192.0 36.0 150.0 170.0 187.0 188.0 38.0 141.0 162.0 180.0 182.0 40.0 132.0 153.0 171.0 176.0 44.0 117.0 136.0 153.0 163.0 48.0 103.0 120.0 136.0 150.0 52.0 92.0 109.0 124.0 138.0 56.0 83.0 98.0 113.0 125.0 60.0 74.0 88.0 102.0 114.0 64.0 68.0 81.0 94.0 106.0 68.0 61.0 74.0 86.0 97.0 72.0 55.0 67.0 78.0 89.0 76.0 51.0 62.0 72.0 82.0 80.0 46.0 57.0 67.0 75.0 84.0 42.0 52.0 62.0 68.0 88.0 37.5 45.5 54.0 54.0 * n * 15 15 15 15 18.0 18.0 18.0 18.0 уу 200.0 250.0 300.0 350.0 ΖZ 0-10 m/s 12.8 12.8 12.8 12.8 HSL2DB 90m



LK 1	600)/2 (09794	9	ty	p1: D=	=28.0	mm				^^^	678		22.32
N A		MM	m	> < t		CO	DE :	>806	59<				B18	1 5E	00
	m	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
	4.0	144.0	180.0	216.0	248.0	248.0	248.0	248.0	248.0	148.0	194.0	239.0	244.0	244.0	244.0
	6.0	124.0	156.0	188.0	220.0	249.0	249.0	249.0	249.0	128.0	168.0	209.0	243.0	243.0	243.0
	8.0 20.0	108.0 95.0	137.0 121.0	166.0 147.0	195.0 174.0	223.0 200.0	239.0 226.0	243.0 239.0	243.0 246.0	111.0 98.0	148.0 131.0	184.0 164.0	221.0 197.0	238.0 231.0	239.0 236.0
	22.0	84.0	108.0	132.0	156.0	180.0	204.0	229.0	239.0	86.0	117.0	147.0	178.0	208.0	228.0
	24.0	74.0	96.0	119.0	141.0	164.0	186.0	208.0	223.0	77.0	105.0	133.0	161.0	190.0	215.0
2	26.0	66.0	87.0	108.0	128.0	149.0	170.0	191.0	207.0	68.0	95.0	121.0	147.0	173.0	200.0
	28.0	59.0	78.0	98.0	117.0	137.0	156.0	176.0	191.0	61.0	86.0	110.0	135.0	159.0	184.0
	30.0	53.0	71.0	89.0	108.0	126.0	144.0	162.0	179.0	55.0	78.0	101.0	124.0	147.0	170.0
	32.0 34.0	47.5 42.5	65.0 59.0	82.0 75.0	99.0 91.0	116.0 108.0	133.0 124.0	151.0 140.0	168.0 156.0	49.5 44.5	71.0 65.0	93.0 85.0	114.0 106.0	136.0 127.0	158.0 147.0
1	36.0	38.0	54.0	69.0	85.0	100.0	115.0	131.0	144.0	40.0	59.0	79.0	98.0	118.0	137.0
	88.0	34.5	49.0	64.0	78.0	93.0	108.0	121.0	132.0	36.0	54.0	73.0	92.0	110.0	128.0
4	0.0	31.0	45.0	59.0	73.0	87.0	101.0	114.0	125.0	32.5	50.0	68.0	85.0	103.0	121.0
	14.0	24.7	37.5	50.0	63.0	76.0	89.0	100.0	111.0	25.9	42.0	58.0	75.0	91.0	107.0
	18.0	19.6	31.5	43.0	55.0	67.0	77.0	87.0	97.0	20.8	35.5	51.0	66.0	80.0	93.0
	52.0 56.0	15.0	26.2	37.0	48.0	59.0 52.0	69.0	78.0	87.0	15.8	29.7	44.0	58.0	72.0	83.0
	0.0	11.5 8.2	21.7 17.9	32.0 27.5	42.0 37.0	46.0	61.0 54.0	70.0 61.0	78.0 69.0	12.5 9.2	25.2 21.4	38.5 33.0	51.0 45.5	64.0 56.0	75.0 66.0
1	34.0	5.4	14.5	23.5	32.5	40.5	48.0	55.0	63.0	6.4	17.8	28.5	40.5	50.0	60.0
	8.0		11.6	20.1	28.7	36.0	43.0	50.0	57.0		14.4	25.0	36.0	45.0	54.0
	72.0		9.0	17.1	24.8	31.5	38.0	44.5	51.0		11.9	21.9	31.5	40.0	48.5
	76.0		6.7	14.4	21.3	27.6	34.0	40.0	46.0		9.5	19.2	27.5	35.5	44.0
	30.0 34.0			12.1	18.8	24.4	30.5	36.5	42.0		7.4	16.0	24.3	32.0	40.0
	88.0			10.1 8.5	16.3 14.2	21.2 18.8	27.0 24.0	32.5 29.5	38.5 35.0		5.6	14.1 12.4	21.2 18.7	28.7 25.6	36.0 32.5
	2.0			7.2	12.9	17.1	21.8	27.1	32.0			10.6	17.1	23.3	30.0
				7.2	12.0	.,	21.0	27.1	02.0			10.0	.,	20.0	00.0
* *				4.4	40	40	40	40	40	0	40	45	45	45	45
* n '		9	11	14	16	16	16	16	16	9	12	15	15	15	15
уу	\dashv	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
ZZ		0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
0-40															
M _	m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
			HSL2D	В			~)[_	65						$\overline{\ \ }$
			93m				150 t		t	■ V	zz t y m				

1 (3)



LR 160	0/2 1	09794	.9	ιy	p1: D=	=20.0	111111					678		22.32
		m	n > < t	1	CO	DE :	>806	59<	-	1	ı	B18	1 5E	00
₽ m	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
14.0	244.0	244.0	151.0	203.0	239.0	239.0	239.0	239.0	239.0	239.0	155.0	216.0	231.0	231.0
16.0 18.0	243.0	243.0 239.0	130.0 113.0	176.0 155.0	222.0 196.0	236.0 229.0	236.0 233.0	236.0 233.0	236.0 233.0	236.0 233.0	134.0 117.0	188.0 166.0	228.0 215.0	228.0 225.0
20.0	1	236.0	100.0	137.0	175.0	213.0	230.0	230.0	230.0	230.0	102.0	147.0	192.0	222.0
22.0	1	229.0	88.0	123.0	158.0	192.0	222.0	224.0	224.0	224.0	91.0	132.0	173.0	214.0
24.0	221.0	227.0	78.0	110.0	143.0	175.0	207.0	217.0	222.0	222.0	81.0	119.0	157.0	195.0
26.0	213.0	223.0	70.0	100.0	130.0	160.0	190.0	210.0	218.0	218.0	72.0	108.0	143.0	179.0
28.0 30.0	205.0 192.0	218.0 206.0	63.0 56.0	91.0 82.0	119.0 109.0	147.0 135.0	174.0 161.0	202.0 188.0	214.0 203.0	214.0 206.0	65.0 58.0	98.0 89.0	131.0 120.0	164.0 152.0
32.0		194.0	51.0	75.0	109.0	125.0	150.0	174.0	192.0	197.0	52.0	82.0	111.0	140.0
34.0	168.0	182.0	45.5	69.0	92.0	116.0	139.0	163.0	180.0	189.0	47.5	75.0	103.0	131.0
36.0	155.0	170.0	41.0	63.0	85.0	108.0	130.0	152.0	169.0	181.0	42.5	69.0	95.0	122.0
38.0	143.0	158.0	37.0	58.0	79.0	100.0	122.0	141.0	158.0	172.0	38.5	64.0	89.0	114.0
40.0 44.0	136.0	150.0	33.0	53.0	74.0	94.0	114.0	133.0	150.0	164.0	34.5	59.0	83.0	106.0
44.0 48.0	121.0 106.0	134.0 118.0	26.6 21.5	45.5 38.5	64.0 56.0	82.0 73.0	101.0 89.0	118.0 103.0	134.0 118.0	148.0 131.0	27.7 22.5	50.0 42.5	72.0 63.0	94.0 83.0
52.0		107.0	16.4	32.0	48.5	65.0	79.0	93.0	106.0	119.0	18.2	36.5	55.0	74.0
56.0	86.0	96.0	13.0	27.2	42.0	57.0	71.0	84.0	96.0	108.0	13.8	30.0	47.5	65.0
60.0	76.0	86.0	9.9	23.2	37.0	50.0	63.0	74.0	86.0	97.0	10.9	25.9	42.0	58.0
64.0	69.0	79.0	7.0	19.8	31.5	45.0	57.0	67.0	78.0	89.0	7.9	22.3	37.0	52.0
68.0	63.0	72.0		15.9	27.8	40.0	51.0	61.0	72.0	82.0	5.3	19.2	32.0	46.5
72.0 76.0		65.0 60.0		13.5 11.3	24.5 21.7	36.0 31.5	45.5 41.0	55.0 50.0	65.0 59.0	75.0 68.0		15.6 13.3	28.4 25.3	42.0 38.0
80.0	47.5	55.0		9.3	19.2	28.4	37.5	46.0	55.0	63.0		11.3	22.7	34.0
84.0		50.0		7.3	16.2	25.0	33.5	42.0	50.0	58.0		9.3	20.3	30.5
88.0	39.5	46.5		5.5	14.4	22.0	30.5	38.5	46.0	54.0		7.5	18.1	27.6
92.0	37.0	41.0			12.8	20.0	27.8	33.0	38.0	42.5		5.9	15.8	23.1
* n *	15	15	9	13	15	15	15	15	15	15	10	14	15	15
yy	13.0 300.0	13.0 350.0	15.0 0.0	15.0 50.0	15.0 100.0	15.0 150.0	15.0 200.0	15.0 250.0	15.0 300.0	15.0 350.0	18.0	18.0 50.0	18.0 100.0	18.0 150.0
	300.0	300.0	0.0	00.0	.00.0	.00.0	200.0	200.0	200.0	300.0	5.0	55.5	.00.0	.00.0
_														
0-40 m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
		HSL2D 93m	В			150 t		65 t	yy	zz t				



*** 678 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.32 CODE >8069< B181 5E00 m > < t93.0 93.0 93.0 93.0 m 14.0 231.0 231.0 231.0 231.0 16.0 228.0 228.0 228.0 228.0 18.0 225.0 225.0 225.0 225.0 20.0 222.0 222.0 222.0 222.0 22.0 217.0 217.0 217.0 217.0 24.0 212.0 215.0 215.0 215.0 26.0 207.0 212.0 212.0 212.0 208.0 28.0 208.0 197.0 208.0 30.0 183.0 198.0 202.0 202.0 32.0 170.0 188.0 196.0 200.0 34.0 158.0 179.0 189.0 196.0 36.0 148.0 169.0 183.0 192.0 38.0 139.0 160.0 177.0 188.0 40.0 130.0 151.0 169.0 180.0 44.0 116.0 135.0 152.0 164.0 48.0 101.0 119.0 135.0 148.0 52.0 91.0 107.0 122.0 136.0 56.0 82.0 97.0 111.0 124.0 60.0 73.0 87.0 100.0 113.0 64.0 66.0 79.0 92.0 104.0 68.0 72.0 60.0 85.0 96.0 72.0 54.0 66.0 77.0 89.0 76.0 49.0 60.0 71.0 81.0 80.0 45.0 55.0 66.0 75.0 84.0 41.0 51.0 61.0 69.0 88.0 <u>37.</u>5 46.5 56.0 61.0 34.5 92.0 40.5 28.9 41.0 * n * 15 15 15 15 18.0 18.0 18.0 18.0 уу 200.0 250.0 300.0 350.0 ΖZ 0-10 m/s 12.8 12.8 12.8 12.8 HSL2DB 93m



	100	0/∠ \ 	09794		ιy		=28.0						6/8 D40		22.32
M.			m	ı > < t		CO	DE :	>136	50<				B18	1 29	900
PA	m	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
	14.0	142.0	177.0	213.0	238.0	238.0	238.0	238.0	238.0	146.0	191.0	236.0	236.0	236.0	236.0
	16.0	122.0	154.0	186.0	217.0	239.0	239.0	239.0	239.0	126.0	166.0	206.0	237.0	237.0	237.0
	18.0	107.0	135.0	164.0	192.0	221.0	232.0	235.0	235.0	110.0	146.0	182.0	218.0	232.0	234.0
	20.0 22.0	93.0 83.0	120.0 107.0	146.0 131.0	172.0 154.0	198.0 178.0	223.0 202.0	231.0 226.0	233.0 228.0	96.0 85.0	129.0 116.0	162.0 146.0	195.0 176.0	226.0 206.0	232.0 228.0
	24.0	73.0	95.0	118.0	140.0	162.0	184.0	206.0	216.0	76.0	104.0	132.0	160.0	188.0	214.0
	26.0	65.0	86.0	107.0	127.0	148.0	169.0	189.0	203.0	68.0	94.0	120.0	146.0	172.0	198.0
	28.0	58.0	78.0	97.0	116.0	136.0	155.0	174.0	190.0	61.0	85.0	109.0	134.0	158.0	182.0
	30.0	52.0	70.0	89.0	107.0	125.0	143.0	161.0	178.0	54.0	77.0	100.0	123.0	146.0	169.0
	32.0	47.0	64.0	81.0	98.0	115.0	132.0	150.0	167.0	49.0	70.0	92.0	114.0	135.0	157.0
	34.0	42.0	58.0	74.0	91.0	107.0	123.0	139.0	155.0	44.0	64.0	85.0	105.0	126.0	146.0
	36.0	38.0	53.0	69.0	84.0	99.0	115.0	130.0	144.0	39.5	59.0	78.0	98.0	117.0	136.0
	38.0	34.0	48.5	63.0	78.0	92.0	107.0	122.0	133.0	35.5	54.0	72.0	91.0	109.0	128.0
-	40.0 44.0	30.5	44.5	58.0	72.0	86.0	100.0	113.0	124.0	32.0	49.5	67.0	85.0	102.0	120.0
	44.0 48.0	24.4 19.3	37.0 31.0	50.0 43.0	63.0 55.0	75.0 66.0	88.0 78.0	100.0 88.0	111.0 97.0	25.7 20.5	42.0 35.5	58.0 50.0	74.0 65.0	90.0 80.0	106.0 94.0
	52.0	14.9	25.8	37.0	47.5	59.0	68.0	77.0	86.0	15.7	29.6	43.5	57.0	71.0	83.0
	56.0	11.2	21.4	31.5	42.0	52.0	61.0	69.0	78.0	12.3	25.1	38.0	51.0	64.0	75.0
	60.0	7.9	17.5	27.1	36.5	46.0	54.0	62.0	70.0	8.9	21.0	32.5	45.0	56.0	66.0
	64.0	5.1	14.1	23.1	32.0	40.0	47.5	55.0	62.0	6.1	17.0	28.3	40.0	49.5	59.0
	68.0		11.2	19.7	28.2	35.5	43.0	49.5	57.0		14.2	24.8	35.5	45.0	54.0
	72.0		8.6	16.6	24.6	31.5	38.0	44.5	51.0		11.5	21.7	31.0	40.0	48.5
	76.0		6.3	13.9	20.6	27.1	33.5	39.5	46.0		9.1	18.8	27.0	35.0	43.0
	80.0			11.6	18.1	24.0	30.0	36.0	42.0		6.9	15.7	23.9	31.5	39.5
	84.0			9.5	15.9	21.1	26.6	32.5	38.0		5.0	13.7	21.0	28.3	35.5
	88.0 92.0			7.7	13.7	18.2	23.3	28.8	34.0			11.9	18.2	24.9	32.0
	96.0			6.2 5.1	12.0 10.8	16.3 14.9	20.7 19.0	26.0 23.8	31.5 28.9			10.0 8.4	16.2 14.9	22.2 20.3	29.1 26.8
				5.1	10.0	14.5	19.0	23.0	20.9			0.4	14.5	20.3	20.0
			44	40	45	45	45	45	4.5		40	45	45	4.5	4.5
- "	n *	9	11	13	15	15	15	15	15	9	12	15	15	15	15
уу	-	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
ZZ	-	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
	-														
	-														
0-4	_														
	_	40.0	40.0	40.0	40.0	400	40.0	40.0	40.0	40.0	40.0	40.0	400	40.0	40.0
W	m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
ſ			1101.05			7	Д.	1	65	18.]	ſ	1
			HSL2D	R			450	11=7							
			96m				150				₩ _{77 1}				
l						JĽ	t	JL	t	У.	y m 22 t	l	J	l	J
_								_							



LR 160	0/2 (J9794	9	ty	p1: D=	=28.0	mm				***	678		22.32
	MM	m	> < t		CO	DE :	>136	>06				B18	1 29	900
m m	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
14.0	236.0	236.0	149.0	200.0	233.0	233.0	233.0	233.0	233.0	233.0	153.0	213.0	227.0	227.0
16.0 18.0	237.0	237.0	128.0	174.0	220.0 194.0	231.0	231.0	231.0 229.0	231.0	231.0	132.0	186.0	225.0	225.0 222.0
20.0	234.0 232.0	234.0 232.0	112.0 98.0	153.0 136.0	173.0	225.0 211.0	229.0 226.0	229.0	229.0 226.0	229.0 226.0	115.0 101.0	164.0 146.0	213.0 190.0	222.0
22.0	228.0	228.0	87.0	122.0	156.0	191.0	223.0	223.0	223.0	223.0	90.0	131.0	172.0	212.0
24.0	219.0	219.0	77.0	109.0	141.0	173.0	205.0	214.0	220.0	220.0	80.0	118.0	156.0	193.0
26.0	210.0	218.0	69.0	99.0	129.0	158.0	188.0	207.0	217.0	217.0	71.0	107.0	142.0	177.0
28.0	201.0	213.0	62.0	90.0	118.0	145.0	173.0	199.0	214.0	214.0	64.0	97.0	130.0	163.0
30.0 32.0	190.0 178.0	204.0 192.0	56.0 50.0	82.0 75.0	108.0 99.0	134.0 124.0	160.0 149.0	186.0 173.0	205.0 193.0	207.0 198.0	58.0 52.0	89.0 81.0	120.0 110.0	150.0 139.0
34.0	166.0	181.0	45.0	68.0	92.0	115.0	138.0	162.0	182.0	189.0	47.0	74.0	102.0	130.0
36.0	156.0	170.0	40.5	63.0	85.0	107.0	129.0	151.0	170.0	180.0	42.5	68.0	95.0	121.0
38.0	144.0	158.0	36.5	58.0	79.0	100.0	121.0	142.0	159.0	171.0	38.0	63.0	88.0	113.0
40.0	135.0	149.0	33.0	53.0	73.0	93.0	113.0	132.0	149.0	163.0	34.5	58.0	82.0	106.0
44.0	120.0	134.0	26.5	45.0	63.0	82.0	100.0	118.0	134.0	147.0	27.6	50.0	72.0	93.0
48.0 52.0	106.0	118.0	21.4	38.5	55.0	72.0	89.0	104.0	118.0	132.0	22.4	42.5	63.0	83.0
56.0	94.0 85.0	106.0 96.0	16.3 12.9	32.0 27.0	48.5 42.0	64.0 57.0	79.0 71.0	92.0 83.0	105.0 96.0	118.0 108.0	18.0 13.7	36.0 30.0	55.0 47.5	73.0 65.0
60.0	77.0	87.0	9.6	23.0	37.0	50.0	63.0	75.0	86.0	98.0	10.6	25.8	42.0	58.0
64.0	68.0	78.0	6.7	19.6	31.5	44.5	56.0	67.0	78.0	88.0	7.6	22.1	37.0	52.0
68.0	63.0	72.0		15.7	27.5	40.0	51.0	61.0	71.0	81.0	5.0	19.0	32.0	46.0
72.0	57.0	65.0		13.2	24.3	36.0	45.5	55.0	65.0	75.0		15.4	28.1	41.5
76.0	51.0	59.0		10.9	21.4	31.5	40.5	49.5	59.0	68.0		13.1	25.1	37.5
80.0 84.0	47.0	54.0		8.7	18.9	27.8	37.0	45.5	54.0	63.0		11.0	22.3	33.5
88.0	43.0 39.0	50.0 46.0		6.7 5.0	15.8 13.9	24.6 21.4	33.0 29.7	41.5 37.5	50.0 45.5	58.0 53.0		9.0 7.0	19.9 16.9	30.0 27.0
92.0	35.5	42.5		3.0	12.2	19.1	26.8	34.5	42.0	49.5		5.3	15.2	24.2
96.0	31.0	33.5			10.5	17.6	23.3	26.1	28.9	31.5		0.0	10.2	
* n *	15	15	9	13	15	15	15	15	15	15	9	13	14	14
уу	13.0	13.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	18.0	18.0	18.0	18.0
	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0
_														
o-4o														
m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
		HSL2D 96m	В			150 t		65 t	y	zz t				



LR 160	0/2 (09794	.9	ty	p1: D:	=28.0	mm			***	678		22.32
		m	ı > < t		CO	DE :	>136	>06			B18	1 29	900
m m	96.0	96.0	96.0	96.0									
14.0	227.0	227.0	227.0	227.0									
16.0	225.0	225.0	225.0	225.0									
18.0	222.0	222.0	222.0	222.0									
20.0	220.0 216.0	220.0 216.0	220.0 216.0	220.0 216.0									
24.0	209.0	214.0	214.0	214.0									
26.0	203.0	211.0	211.0	211.0									
28.0	196.0	208.0	208.0	208.0									
30.0	181.0	200.0	203.0	203.0									
32.0	169.0	190.0	196.0	196.0									
34.0	157.0	180.0	189.0	197.0									
36.0 38.0	147.0 138.0	170.0 159.0	182.0 175.0	193.0 189.0									
40.0	130.0	159.0	175.0	183.0									
44.0	115.0	135.0	151.0	166.0									
48.0	102.0	119.0	135.0	149.0									
52.0	90.0	106.0	122.0	135.0									
56.0	82.0	97.0	111.0	124.0									
60.0	73.0	87.0	101.0	113.0									
64.0 68.0	65.0	78.0	91.0	103.0									
72.0	60.0 54.0	72.0 66.0	84.0 77.0	96.0 89.0									
76.0	48.5	59.0	70.0	81.0									
80.0	44.5	55.0	65.0	75.0									
84.0	40.5	50.0	60.0	70.0									
88.0	36.5	46.0	56.0	64.0									
92.0 96.0	33.5	42.5	52.0	55.0									
30.0													
* n *	14	14	14	14									
уу	18.0	18.0	18.0	18.0									
ZZ	200.0	250.0	300.0	350.0									
0-40													
m/s	12.8	12.8	12.8	12.8									
		HSL2D 96m	В			150 t		65 t	zz t y m				



	10/2 (03134	.9	ιy	p1: D=	-20.0	111111					6/8		22.32
		m	ı > < t		CO	DE :	>807	70<	-			B18	1 5F	- 00
¶ M w	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
14.0	139.0	174.0	209.0	229.0	230.0	230.0	230.0	230.0	143.0	187.0	227.0	228.0	228.0	228.0
16.0	1 1	151.0	182.0	213.0	230.0	230.0	230.0	230.0	123.0	163.0	202.0	228.0	228.0	228.0
18.0	1 1	132.0	161.0	189.0	217.0	225.0	227.0	227.0	107.0	143.0	179.0	215.0	225.0	227.0
20.0		117.0	143.0	169.0	194.0	217.0	222.0	222.0	94.0	127.0	159.0	192.0	219.0	226.0
22.0	1	104.0	128.0	152.0	175.0	199.0	217.0	217.0	83.0	113.0	143.0	173.0	203.0	225.0
24.0		93.0	115.0	137.0	159.0	181.0	203.0	206.0	74.0	102.0	129.0	157.0	185.0	213.0
26.0 28.0	1 1	84.0 76.0	104.0 95.0	125.0 114.0	145.0 133.0	166.0 152.0	186.0 172.0	196.0 186.0	66.0 59.0	92.0 83.0	117.0 107.0	143.0 131.0	169.0 156.0	195.0 180.0
30.0		69.0	87.0	105.0	123.0	141.0	159.0	175.0	53.0	75.0	98.0	121.0	144.0	166.0
32.0	1 1	62.0	79.0	96.0	113.0	130.0	147.0	164.0	47.0	69.0	90.0	111.0	133.0	154.0
34.0		57.0	73.0	89.0	105.0	121.0	137.0	153.0	42.5	63.0	83.0	103.0	123.0	144.0
36.0	1	51.0	67.0	82.0	97.0	113.0	128.0	143.0	38.0	57.0	76.0	96.0	115.0	134.0
38.0		47.0	61.0	76.0	90.0	105.0	120.0	133.0	34.0	52.0	71.0	89.0	107.0	126.0
40.0	28.9	43.0	57.0	70.0	84.0	98.0	111.0	122.0	30.5	48.0	65.0	83.0	100.0	118.0
44.0	22.9	35.5	48.0	61.0	74.0	86.0	99.0	109.0	24.2	40.5	56.0	72.0	88.0	104.0
48.0		29.5	41.0	53.0	65.0	76.0	87.0	96.0	19.0	34.0	48.5	63.0	78.0	93.0
52.0	-	24.3	35.0	46.0	57.0	67.0	75.0	84.0	14.6	28.3	42.0	56.0	69.0	81.0
56.0		19.9	30.0	40.0	50.0	60.0	68.0	76.0	10.8	23.6	36.5	49.5	62.0	73.0
60.0		16.0	25.6	35.0	44.5	53.0	61.0	69.0	7.5	19.5	31.5	43.5	55.0	65.0
64.0		12.7	21.6	30.5	39.0	46.0	53.0	61.0		15.9	27.3	38.5	48.0	58.0
68.0 72.0		9.7	18.2	26.7	34.5	41.0	48.0	55.0		12.8	23.5	34.0	43.0	52.0
76.0		7.1	15.1	23.2	30.0	37.0	43.5	50.0		10.0	20.2	29.9	38.5	47.5
80.0	1 1		12.4 10.0	20.0 16.8	26.0 22.3	32.5 28.4	38.5 34.5	45.0 40.0		7.6 5.4	17.0 14.6	25.9 22.2	34.0 30.0	42.5 38.0
84.0			7.9	14.7	19.8	25.2	31.0	36.5		5.4	12.3	19.7	26.9	34.5
88.0			6.1	12.7	17.3	22.1	27.6	33.0			10.3	17.2	23.7	31.0
92.0			0	10.7	15.0	19.3	24.5	29.7			8.5	15.0	20.8	27.6
96.0				9.2	13.3	17.4	21.8	26.9			7.1	13.3	18.6	24.8
100.0				8.3	12.2	16.2	20.2	25.0			5.7	12.2	17.4	21.8
* n *	9	11	13	14	15	15	15	15	9	12	14	14	14	14
уу —	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
zz —	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
_														
0-f0 m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
		HSL2D 99m	В			150 t		65 t	y y	zz t				



LR 160	00/2	0/2 097949 typ1: D=28.0 mm									***	678		22.32
		m	n > < t		CO	DE :	>807	70<				B18	1 5F	- 00
l Mary L	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
14.0	1	228.0	146.0	196.0	226.0	226.0	226.0	226.0	226.0	226.0	150.0	209.0	221.0	221.0
16.0		228.0	126.0	171.0	216.0	225.0	225.0	225.0	225.0	225.0	129.0	183.0	220.0	220.0
18.0 20.0	I	227.0 226.0	109.0 96.0	150.0 133.0	191.0 170.0	220.0 208.0	224.0 222.0	224.0 222.0	224.0 222.0	224.0 222.0	113.0 99.0	161.0 143.0	209.0 187.0	218.0 216.0
22.0		225.0	85.0	119.0	153.0	188.0	220.0	220.0	220.0	220.0	88.0	128.0	169.0	209.0
24.0		216.0	75.0	107.0	139.0	170.0	202.0	212.0	215.0	215.0	78.0	115.0	153.0	190.0
26.0	206.0	213.0	67.0	97.0	126.0	156.0	185.0	203.0	211.0	214.0	70.0	105.0	139.0	174.0
28.0		207.0	60.0	88.0	115.0	143.0	171.0	195.0	207.0	212.0	62.0	95.0	128.0	160.0
30.0		200.0	54.0	80.0	106.0	132.0	158.0	184.0	201.0	207.0	56.0	87.0	117.0	148.0
32.0 34.0		189.0 179.0	48.5 43.5	73.0 67.0	97.0 90.0	122.0 113.0	146.0 136.0	171.0 159.0	191.0 180.0	198.0 188.0	50.0 45.0	79.0 73.0	108.0 100.0	137.0 127.0
36.0		168.0	39.0	61.0	83.0	105.0	127.0	149.0	169.0	179.0	40.5	67.0	93.0	119.0
38.0		157.0	35.0	56.0	77.0	98.0	119.0	140.0	158.0	170.0	36.5	61.0	86.0	111.0
40.0		147.0	31.5	51.0	71.0	91.0	111.0	130.0	147.0	160.0	33.0	57.0	80.0	104.0
44.0	I	132.0	25.1	43.5	62.0	80.0	98.0	116.0	132.0	146.0	26.5	48.0	70.0	91.0
48.0	_	118.0	19.9	36.5	54.0	70.0	87.0	103.0	117.0	131.0	21.1	41.0	61.0	81.0
52.0 56.0		104.0	15.4	31.0	46.5	62.0	77.0	90.0	103.0	116.0	16.2	34.5	54.0	72.0
60.0		95.0 86.0	11.5 8.2	26.0 21.9	40.5 35.5	55.0 49.0	69.0 62.0	82.0 74.0	94.0 85.0	107.0 97.0	12.6 9.2	29.0 24.8	46.5 40.5	64.0 57.0
64.0		77.0	5.2	18.2	30.5	43.5	55.0	65.0	76.0	87.0	6.2	21.1	36.0	50.0
68.0	0	70.0	0.2	14.8	26.5	39.0	49.0	59.0	70.0	80.0	0.2	17.9	30.5	45.0
72.0	56.0	64.0		12.0	23.3	34.0	44.5	54.0	64.0	73.0		14.4	27.1	40.5
76.0		58.0		9.4	20.4	30.0	39.5	49.0	58.0	67.0		12.1	24.0	36.5
80.0		53.0		7.2	16.9	26.3	35.5	44.0	53.0	61.0		9.9	21.3	32.0
84.0	_	49.0		5.2	14.8	23.4	32.0	40.5	48.5	57.0		7.8	18.9	29.0
92.0		44.5			12.9	20.5	28.5	36.5	44.5	52.0		5.9	15.9	25.7
96.0		41.0 37.5			11.0 9.2	17.8 16.0	25.3 22.6	33.0 30.0	40.5 37.5	48.0 44.0			14.1 12.3	22.6 20.1
100.0		23.6			5.2	10.0	22.0	30.0	37.3	44.0			12.0	20.1
* n *	14	14	9	12	14	14	14	14	14	14	9	13	14	14
			-											
уу	13.0	13.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	18.0	18.0	18.0	18.0
zz _	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0
_														
_														
- 0-														
0−∦0														
■ m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
L														
					$) \cap$	-	1	0.5	A	A			$\overline{}$	
		HSL2D	В			\sim	11	65	W.					
		99m				150	11=4			W				
						t][t	У	y m				
											<u> </u>		<u> </u>	



*** 678 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.32 CODE >8070< B181 5F00 m > < t99.0 99.0 99.0 99.0 m 14.0 221.0 221.0 221.0 221.0 16.0 220.0 220.0 220.0 220.0 18.0 218.0 218.0 218.0 218.0 20.0 216.0 216.0 216.0 216.0 22.0 213.0 213.0 213.0 213.0 24.0 207.0 211.0 211.0 211.0 26.0 199.0 209.0 209.0 209.0 207.0 28.0 207.0 192.0 207.0 30.0 179.0 202.0 202.0 202.0 32.0 166.0 191.0 195.0 195.0 34.0 155.0 180.0 187.0 194.0 36.0 170.0 180.0 189.0 145.0 38.0 136.0 159.0 172.0 184.0 40.0 127.0 148.0 165.0 180.0 44.0 113.0 133.0 150.0 164.0 48.0 101.0 118.0 135.0 148.0 52.0 88.0 104.0 120.0 133.0 56.0 80.0 95.0 110.0 123.0 60.0 72.0 86.0 100.0 112.0 64.0 64.0 77.0 90.0 102.0 68.0 58.0 70.0 83.0 94.0 72.0 53.0 87.0 64.0 76.0 76.0 47.5 59.0 69.0 80.0 80.0 42.5 53.0 63.0 74.0 84.0 39.0 49.0 59.0 69.0 88.0 45.0 54.0 35.5 62.0 92.0 32.0 41.0 50.0 56.0 96.0 29.2 38.0 46.0 46.5 100.0 * n * 14 14 14 14 18.0 18.0 18.0 18.0 уу 200.0 250.0 300.0 350.0 ΖZ 0-10 m/s 12.8 12.8 12.8 12.8 HSL2DB 99m



LR 160	0/2 (09794	.9	ty	p1: D=	=28.0	mm				***	678	2	22.32
	MM	m	1 > < t		CO	DE :	>136	62<				B18	1 2 <i>F</i>	400
m m	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0
14.0	136.0	170.0	205.0	222.0	222.0	222.0	222.0	222.0	140.0	184.0	217.0	217.0	217.0	217.0
16.0	117.0	148.0	179.0	210.0	222.0	222.0	222.0	222.0	121.0	160.0	199.0	215.0	215.0	215.0
18.0 20.0	102.0 89.0	130.0 115.0	158.0 140.0	186.0 166.0	214.0 192.0	218.0 211.0	218.0 215.0	218.0 215.0	105.0 92.0	140.0 125.0	176.0 157.0	210.0 189.0	213.0 210.0	213.0 210.0
22.0	79.0	102.0	126.0	149.0	173.0	196.0	211.0	214.0	81.0	111.0	141.0	171.0	200.0	207.0
24.0	70.0	91.0	113.0	135.0	157.0	179.0	201.0	206.0	72.0	100.0	127.0	155.0	182.0	200.0
26.0	62.0	82.0	103.0	123.0	143.0	164.0	184.0	195.0	64.0	90.0	116.0	141.0	167.0	190.0
28.0	55.0	74.0	93.0	112.0	131.0	150.0	169.0	184.0	57.0	81.0	105.0	129.0	153.0	177.0
30.0	49.0	67.0	85.0	103.0	121.0	139.0	157.0	173.0	51.0	74.0	96.0	119.0	142.0	164.0
32.0 34.0	44.0	61.0	78.0	95.0	111.0	128.0	145.0	162.0	46.0	67.0	88.0	110.0	131.0	152.0
34.0	39.0 35.0	55.0 50.0	71.0 65.0	87.0 81.0	103.0 96.0	119.0 111.0	135.0 126.0	151.0 141.0	41.0 36.5	61.0 56.0	81.0 75.0	102.0 94.0	122.0 113.0	142.0 133.0
38.0	31.0	45.5	60.0	75.0	89.0	103.0	118.0	132.0	33.0	51.0	69.0	88.0	106.0	124.0
40.0	27.8	41.5	55.0	69.0	83.0	97.0	110.0	122.0	29.3	46.5	64.0	82.0	99.0	116.0
44.0	21.8	34.5	47.0	60.0	72.0	85.0	97.0	108.0	23.2	39.0	55.0	71.0	87.0	103.0
48.0	16.7	28.4	40.0	52.0	63.0	75.0	86.0	96.0	18.0	32.5	47.5	62.0	77.0	92.0
52.0	12.5	23.3	34.0	45.0	56.0	66.0	75.0	84.0	13.6	27.3	41.0	55.0	68.0	80.0
56.0	8.8	18.9	29.0	39.0	49.0	59.0	67.0	75.0	9.8	22.6	35.5	48.0	61.0	72.0
60.0 64.0	5.6	15.0	24.5	34.0	43.5	52.0	60.0	68.0	6.5	18.5	30.5	42.5	54.0	65.0 57.0
68.0		11.7 8.7	20.6 17.2	29.6 25.6	38.5 33.0	46.0 40.0	53.0 47.0	60.0 54.0		15.0 11.8	26.3 22.5	37.5 33.0	48.0 42.0	57.0 51.0
72.0		6.1	14.1	22.2	29.2	36.0	42.5	49.0		9.1	19.2	29.2	38.0	46.5
76.0			11.4	19.1	25.3	32.0	38.0	44.5		6.6	16.2	25.3	33.5	41.5
80.0			9.1	16.3	21.3	27.6	33.5	39.5			13.6	21.3	29.3	37.0
84.0			6.9	13.9	18.6	24.4	30.0	35.5			11.3	18.7	26.0	33.5
88.0			5.0	11.7	16.5	21.6	26.8	32.5			9.2	16.5	23.1	30.0
92.0 96.0				9.8	14.4	18.8	23.7	28.9			7.4	14.4	20.1	26.8
100.0				8.2	12.6	16.7	21.0	26.0			5.9	12.6	17.8	24.0
				6.9	11.1	15.1	19.0	23.6				11.1	16.2	21.7
* n *	8	11	13	14	14	14	14	14	9	11	14	14	14	14
		,	,	,	,	,	,	,				,		
уу	10.0	10.0	10.0 100.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0 50.0	13.0 100.0	13.0	13.0	13.0
zz	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
_														
0-40 m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
		HSL2D 102m				150 t		65 t	y y	zz t				



LR 160	0/2	03137	3	tу	р I. D-	=28.0						6/8		22.32
		m	> < t		CO	DE :	>136	52<	-			B18	1 2/	400
₽ m	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0	102.0
14.0	217.0	217.0	143.0	192.0	213.0	213.0	213.0	213.0	213.0	213.0	147.0	206.0	208.0	208.0
16.0	215.0	215.0	123.0	168.0	211.0	211.0	211.0	211.0	211.0	211.0	127.0	179.0	206.0	206.0
18.0	213.0	213.0	107.0	148.0	188.0	207.0	208.0	208.0	208.0	208.0	110.0	158.0	202.0	203.0
20.0	210.0	210.0	94.0	131.0	168.0	202.0	206.0	206.0	206.0	206.0	97.0	141.0	184.0	201.0
22.0	207.0	207.0	83.0	117.0	151.0	185.0	204.0	204.0	204.0	204.0	86.0	126.0	166.0	198.0
24.0	202.0	202.0	74.0	105.0	137.0	168.0	196.0	199.0	199.0	199.0	76.0	113.0	151.0	188.0
26.0	196.0	201.0	66.0	95.0	124.0	154.0	183.0	193.0	197.0	197.0	68.0	103.0	137.0	172.0
28.0	190.0	198.0	59.0	86.0	113.0	141.0	168.0	188.0	194.0	194.0	61.0	93.0	126.0	158.0
30.0	184.0	195.0	53.0	78.0	104.0	130.0	156.0	181.0	191.0	191.0	55.0	85.0	116.0	146.0
32.0 34.0	174.0 162.0	186.0	47.0 42.0	71.0	96.0	120.0 111.0	144.0	169.0 157.0	183.0 174.0	185.0	49.0	78.0	107.0 98.0	135.0
36.0	152.0	176.0 166.0	38.0	65.0 60.0	88.0 81.0	103.0	134.0 125.0	147.0	164.0	178.0 172.0	44.0 39.5	71.0 65.0	91.0	126.0
38.0	142.0	156.0	34.0	55.0	75.0	96.0	117.0	138.0	155.0	165.0	35.5	60.0	85.0	117.0 109.0
40.0	133.0	146.0	30.5	50.0	70.0	90.0	117.0	129.0	146.0	158.0	32.0	55.0	79.0	109.0
44.0	117.0	131.0	24.1	42.0	60.0	79.0	97.0	115.0	131.0	144.0	25.4	47.0	69.0	90.0
48.0	105.0	117.0	18.8	35.5	52.0	69.0	86.0	102.0	117.0	130.0	20.1	40.0	60.0	80.0
52.0	92.0	103.0	14.4	30.0	45.5	61.0	76.0	90.0	103.0	116.0	15.5	33.5	52.0	71.0
56.0	83.0	93.0	10.5	25.1	39.5	54.0	68.0	81.0	93.0	105.0	11.6	28.3	45.5	63.0
60.0	75.0	85.0	7.2	20.9	34.5	48.0	61.0	73.0	85.0	96.0	8.2	24.1	40.0	56.0
64.0	67.0	76.0		17.0	29.6	43.0	54.0	65.0	76.0	87.0	5.2	20.5	34.5	49.5
68.0	60.0	69.0		13.9	25.9	38.0	48.0	58.0	68.0	79.0		16.5	30.0	44.5
72.0	55.0	63.0		11.0	22.6	33.5	43.5	53.0	63.0	73.0		13.8	26.5	40.0
76.0	49.5	58.0		8.5	19.5	29.5	39.0	48.5	57.0	67.0		11.3	23.4	36.0
80.0	44.5	52.0		6.2	16.3	25.5	34.5	43.5	52.0	61.0		8.9	20.6	31.5
84.0	40.5	48.0			14.2	22.5	31.0	39.5	47.5	56.0		6.8	18.0	28.1
88.0	37.0	44.0			12.0	19.9	27.7	36.0	44.0	52.0			15.2	25.0
92.0	33.5	40.0			10.1	17.4	24.6	32.5	40.0	47.5			13.4	21.8
96.0	30.5	37.0			8.5	15.3	21.8	29.2	36.5	43.0			11.6	19.4
100.0	27.9	34.0			6.8	13.8	19.6	26.8	33.0	37.5			9.8	17.7
* n *	14	14	9	12	13	13	13	13	13	13	9	13	13	13
уу	13.0	13.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	18.0	18.0	18.0	18.0
zz	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0
_														
_														
0-40 m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
		HSL2D 102m				150 t		65 t	▼ yy	zz t				



LR 160	0/2 (09794	.9	ty	p1: D=28.0	0 mm				***	678		22.32
		m	n > < t		CODE	>13	62<				B18	1 2/	400
m m	102.0	102.0	102.0	102.0									
14.0	208.0	208.0	208.0	208.0									
16.0	206.0	206.0	206.0	206.0									
18.0	203.0	203.0	203.0	203.0									
20.0	201.0	201.0	201.0	201.0									
22.0	198.0	198.0	198.0	198.0									
24.0 26.0	194.0 189.0	195.0 192.0	195.0 192.0	195.0 192.0									
28.0	185.0	190.0	190.0	190.0									
30.0	177.0	187.0	187.0	187.0									
32.0	164.0	179.0	182.0	182.0									
34.0	153.0	171.0	177.0	180.0									
36.0	143.0	163.0	172.0	177.0									
38.0	134.0	155.0	166.0	174.0									
40.0	126.0	146.0	161.0	171.0									
44.0 48.0	112.0 100.0	132.0 118.0	148.0 134.0	159.0 146.0									
52.0	88.0	104.0	120.0	132.0									
56.0	79.0	94.0	109.0	122.0									
60.0	71.0	85.0	99.0	112.0									
64.0	64.0	77.0	90.0	102.0									
68.0	57.0	69.0	81.0	93.0									
72.0	52.0	64.0	75.0	87.0									
76.0	47.0	58.0	69.0	80.0									
80.0 84.0	42.0	52.0	63.0	73.0									
88.0	38.0 35.0	48.0 44.5	58.0 54.0	68.0 61.0									
92.0	31.5	40.5	49.5	55.0									
96.0	28.3	37.0	45.0	48.5									
100.0	24.1	31.0	37.5	38.5									
* n *	13	13	13	13									
	18.0	18.0	18.0	18.0									
yy	200.0	250.0	300.0	350.0									
	200.0	200.0	000.0	000.0									
_													
_													
0-40													
m/s	12.8	12.8	12.8	12.8									
W 111/3	.2.0	12.0	12.0	12.0									
				l .		\ _						_	$\overline{}$
		HSL2D	_B				65	₹					
				-	150	▝▐▐▗▘							
		102m			130	┙▋▋≡▔	-=		y zz t				
	_/L					_ _	t	уу	m				



	<u> </u>		09794	·9	ιy	p1: υ=							0/8		22.32
M A			m	ı > < t		CO	DE :	>807	71<				B18	1 60	000
F	m m	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0
	14.0				213.0	213.0	213.0	213.0	213.0			210.0	210.0	210.0	210.0
	16.0	114.0	145.0	175.0	206.0	212.0	212.0	212.0	212.0	118.0	157.0	195.0	209.0	209.0	209.0
	18.0 20.0	99.0 87.0	127.0 112.0	155.0 138.0	183.0 163.0	210.0 188.0	210.0 203.0	210.0 206.0	210.0 206.0	103.0 90.0	138.0 122.0	173.0 154.0	206.0 186.0	206.0 203.0	206.0 204.0
	22.0	77.0	100.0	123.0	147.0	170.0	193.0	203.0	205.0	79.0	109.0	138.0	168.0	197.0	202.0
	24.0	68.0	89.0	111.0	133.0	154.0	176.0	197.0	201.0	70.0	98.0	125.0	152.0	180.0	198.0
	26.0	60.0	80.0	100.0	121.0	141.0	161.0	181.0	191.0	62.0	88.0	113.0	139.0	164.0	187.0
	28.0	53.0	72.0	91.0	110.0	129.0	148.0	167.0	180.0	55.0	79.0	103.0	127.0	151.0	175.0
	30.0	47.5	65.0	83.0	101.0	119.0	136.0	154.0	170.0	49.5	72.0	94.0	117.0	139.0	162.0
	32.0	42.0	59.0	76.0	93.0	109.0	126.0	143.0	160.0	44.0	65.0	86.0	108.0	129.0	150.0
	34.0	37.5	53.0	69.0	85.0	101.0	117.0	133.0	149.0	39.5	59.0	79.0	100.0	120.0	140.0
	36.0 38.0	33.5	48.5	64.0	79.0 73.0	94.0	109.0	124.0	139.0	35.0	54.0 49.5	73.0	92.0	111.0	130.0
	40.0	29.6 26.2	44.0 40.0	58.0 54.0	67.0	87.0 81.0	101.0 95.0	116.0 108.0	130.0 122.0	31.0 27.7	49.5 45.0	68.0 62.0	86.0 80.0	104.0 97.0	122.0 114.0
	44.0	20.2	33.0	45.5	58.0	71.0	83.0	95.0	106.0	21.6	37.5	53.0	69.0	85.0	101.0
	48.0	15.3	26.9	38.5	50.0	62.0	73.0	85.0	94.0	16.5	31.0	46.0	60.0	75.0	90.0
	52.0	11.0	21.8	32.5	43.5	54.0	65.0	74.0	83.0	12.1	25.8	39.5	53.0	67.0	80.0
	56.0	7.3	17.4	27.4	37.5	47.5	57.0	65.0	73.0	8.4	21.1	34.0	46.5	59.0	70.0
	60.0		13.6	23.0	32.5	42.0	51.0	59.0	66.0	5.1	17.0	29.0	41.0	53.0	63.0
	64.0		10.2	19.1	28.0	37.0	45.0	52.0	59.0		13.5	24.7	36.0	47.0	56.0
1	68.0		7.3	15.7	24.1	32.0	39.0	45.5	52.0		10.4	21.0	31.5	41.0	49.5
	72.0 76.0			12.7	20.6	27.9	34.5	41.0	47.5		7.6	17.7	27.8	36.5	45.0
	80.0			10.0 7.6	17.6 14.8	24.3 20.7	30.5 26.4	36.5 32.5	43.0 38.5		5.1	14.7 12.1	24.2 20.7	32.5 28.2	40.5 36.0
	84.0			5.4	12.3	17.3	22.6	28.4	34.0			9.8	17.3	24.3	31.5
1	88.0			5.4	10.2	15.3	20.2	25.4	31.0			7.7	15.3	21.8	28.6
	92.0				8.2	13.3	17.8	22.5	27.7			5.8	13.3	19.2	25.5
	96.0				6.5	11.3	15.4	19.6	24.5				11.2	16.6	22.4
	00.0				5.1	9.7	13.7	17.7	21.9				9.7	14.8	20.1
1	04.0					8.7	12.4	16.2	20.0				8.6	13.5	18.4
* n	*	7	9	11	13	13	13	13	13	7	10	13	13	13	13
уу	-	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
ZZ	-	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
	-														
0-40															
	m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
						1	_	1		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	A.			$\overline{}$	
1			HSL2D	В					65	NA.					
			105m				150			₩					
			103111	.			t		t -	▼ y	y m				
_								_				_			

1 (3)



LR 160		03134	3	ty	p1: D=							0/8		22.32
		m	> < t		CO	DE :	>807	71<				B18	1 60	000
m m	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0	105.0
14.0	210.0	210.0			207.0	207.0	207.0	207.0	207.0	207.0		202.0	202.0	202.0
16.0	209.0	209.0	120.0	164.0	205.0	205.0	205.0	205.0	205.0	205.0	124.0	176.0	201.0	201.0
18.0	206.0	206.0	105.0	145.0	185.0	203.0	203.0	203.0	203.0	203.0	108.0	155.0	198.0	199.0
20.0 22.0	204.0 202.0	204.0	92.0 81.0	128.0	165.0	197.0 182.0	201.0	201.0 199.0	201.0	201.0	95.0	138.0	181.0	197.0 195.0
24.0	199.0	202.0 199.0	72.0	115.0 103.0	148.0 134.0	165.0	199.0 195.0	195.0	199.0 195.0	199.0 195.0	84.0 74.0	124.0 111.0	163.0 148.0	185.0
26.0	192.0	192.0	64.0	93.0	122.0	151.0	180.0	190.0	194.0	194.0	66.0	101.0	135.0	169.0
28.0	186.0	193.0	57.0	84.0	111.0	139.0	166.0	184.0	192.0	192.0	59.0	91.0	123.0	156.0
30.0	180.0	190.0	51.0	76.0	102.0	128.0	153.0	178.0	189.0	189.0	53.0	83.0	113.0	144.0
32.0	171.0	183.0	45.5	70.0	94.0	118.0	142.0	166.0	184.0	184.0	47.5	76.0	104.0	133.0
34.0	160.0	174.0	40.5	63.0	86.0	109.0	132.0	155.0	174.0	177.0	42.5	69.0	96.0	124.0
36.0	149.0	164.0	36.0	58.0	80.0	101.0	123.0	145.0	164.0	170.0	38.0	64.0	89.0	115.0
38.0	140.0	155.0	32.5	53.0	74.0	94.0	115.0	136.0	155.0	163.0	34.0	58.0	83.0	107.0
40.0	132.0	145.0	28.7	48.5	68.0	88.0	108.0	127.0	145.0	156.0	30.5	54.0	77.0	100.0
44.0 48.0	115.0 103.0	128.0 116.0	22.6 17.4	40.5 34.0	59.0 51.0	77.0 67.0	95.0 84.0	113.0 101.0	128.0 115.0	142.0 128.0	23.9 18.6	45.5 38.5	67.0 58.0	88.0 78.0
52.0	91.0	103.0	12.9	28.4	44.0	59.0	75.0	89.0	102.0	115.0	14.1	32.5	51.0	69.0
56.0	81.0	91.0	9.1	23.6	38.0	53.0	66.0	79.0	91.0	103.0	10.2	27.3	44.5	62.0
60.0	73.0	83.0	5.8	19.4	33.0	46.5	60.0	72.0	83.0	94.0	6.8	22.9	39.0	55.0
64.0	66.0	75.0		15.7	28.5	41.5	53.0	64.0	75.0	86.0		19.0	33.5	48.5
68.0	58.0	67.0		12.4	24.5	36.5	46.5	57.0	67.0	77.0		15.5	29.0	43.0
72.0	53.0	62.0		9.6	21.0	32.0	42.0	52.0	61.0	71.0		12.5	25.5	38.5
76.0	48.5	56.0		7.0	17.9	28.3	37.5	47.0	56.0	65.0		9.8	22.4	34.0
80.0	43.5	51.0			15.2	24.3	33.5	42.5	51.0	60.0		7.4	19.6	30.5
84.0 88.0	39.0	46.0			12.7	20.6	29.3	37.5	46.0	54.0		5.3	16.3	26.4
92.0	35.5 32.5	42.5 39.0			10.5 8.5	18.4 16.2	26.3 23.2	34.5 31.0	42.5 39.0	50.0 46.5			14.2 12.4	23.6 20.9
96.0	29.0	35.5			6.8	14.0	20.2	27.7	35.0	41.0			10.4	18.1
100.0	26.3	32.0			5.4	12.3	18.2	25.1	32.5	35.5			8.6	16.3
104.0	24.2	26.8			0	11.2	16.8	22.1	26.1	29.8			7.1	13.8
* n *	13	13	7	10	13	13	12	13	13	13	0	12	13	13
11 "	13	13	ı	10	13	13	13	13	13	13	8	13	13	13
уу —	13.0	13.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	18.0	18.0	18.0	18.0
zz	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0
_														
0-40 m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
		HSL2D 105m				150 t		65 t	₩ y	zz t				



*** 678 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.32 CODE >8071< B181 6000 m > < t105.0 105.0 105.0 105.0 m 14.0 202.0 202.0 202.0 202.0 16.0 201.0 201.0 201.0 201.0 18.0 199.0 199.0 199.0 199.0 197.0 197.0 20.0 197.0 197.0 22.0 195.0 195.0 195.0 195.0 24.0 191.0 192.0 192.0 192.0 26.0 186.0 190.0 190.0 190.0 28.0 181.0 187.0 187.0 187.0 30.0 185.0 185.0 185.0 174.0 32.0 162.0 179.0 181.0 181.0 34.0 151.0 171.0 175.0 175.0 36.0 170.0 141.0 162.0 174.0 38.0 132.0 154.0 164.0 171.0 40.0 124.0 145.0 158.0 167.0 44.0 110.0 129.0 146.0 157.0 48.0 98.0 116.0 132.0 144.0 52.0 88.0 103.0 119.0 131.0 56.0 77.0 92.0 107.0 120.0 60.0 70.0 84.0 98.0 110.0 64.0 63.0 76.0 89.0 101.0 68.0 55.0 68.0 80.0 92.0 72.0 50.0 74.0 85.0 62.0 76.0 46.0 57.0 68.0 79.0 80.0 41.0 52.0 62.0 72.0 84.0 36.5 46.5 56.0 66.0 88.0 33.5 43.0 52.0 59.0 92.0 30.0 39.5 48.5 52.0 96.0 26.8 35.5 42.5 46.0 100.0 24.1 33.0 37.0 40.5 104.0 17.8 22.5 26.9 27.9 * n * 13 13 13 13 18.0 18.0 18.0 18.0 уу 200.0 250.0 300.0 350.0 ΖZ 0-10 **⋓** m/s 12.8 12.8 12.8 12.8 HSL2DB 105m



	A	5/2 <u>1</u>	09794		ιy	ρ1: D=			2.4				D40		22.32
N A			m	ı > < t		CO	DE :	>136	04<				B18	1 2E	300
₽ Ø	m	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0
	16.0	113.0	143.0	173.0	200.0	200.0	200.0	200.0	200.0	116.0	155.0	193.0	197.0	197.0	197.0
	18.0	98.0	126.0	153.0	180.0	198.0	198.0	198.0	198.0	101.0	136.0	171.0	196.0	196.0	196.0
1	20.0	86.0	111.0	136.0	161.0	186.0	193.0	194.0	194.0	89.0	121.0	152.0	184.0	193.0	195.0
	22.0 24.0	76.0 67.0	99.0 88.0	122.0 110.0	145.0 131.0	168.0 153.0	188.0 174.0	191.0 188.0	191.0 188.0	78.0 69.0	108.0 97.0	137.0 124.0	166.0 151.0	191.0 178.0	194.0 193.0
	26.0	59.0	79.0	99.0	120.0	140.0	160.0	178.0	180.0	62.0	87.0	112.0	138.0	163.0	183.0
	28.0	53.0	72.0	90.0	109.0	128.0	147.0	165.0	172.0	55.0	79.0	102.0	126.0	150.0	173.0
	30.0	47.0	65.0	82.0	100.0	118.0	135.0	153.0	165.0	49.0	71.0	94.0	116.0	138.0	161.0
	32.0	42.0	59.0	75.0	92.0	109.0	125.0	142.0	158.0	43.5	65.0	86.0	107.0	128.0	149.0
	34.0	37.0	53.0	69.0	85.0	100.0	116.0	132.0	148.0	39.0	59.0	79.0	99.0	119.0	139.0
	36.0	33.0	48.0	63.0	78.0	93.0	108.0	123.0	138.0	35.0	54.0	73.0	92.0	111.0	129.0
	38.0 40.0	29.3 26.0	43.5 39.5	58.0 53.0	72.0 67.0	86.0 81.0	101.0 94.0	115.0 108.0	129.0 121.0	31.0 27.5	49.0 44.5	67.0 62.0	85.0 79.0	103.0 96.0	121.0 114.0
	44.0	20.0	32.5	45.0	58.0	70.0	83.0	94.0	105.0	21.5	37.0	53.0	69.0	96.0 85.0	100.0
	48.0	15.0	26.6	38.0	49.5	61.0	73.0	84.0	94.0	16.3	31.0	45.5	60.0	75.0	89.0
	52.0	10.8	21.5	32.0	43.0	54.0	64.0	74.0	83.0	11.9	25.5	39.0	53.0	66.0	80.0
	56.0	7.1	17.1	27.2	37.0	47.0	56.0	64.0	73.0	8.2	20.8	33.5	46.0	59.0	69.0
	60.0		13.3	22.7	32.0	41.5	50.0	58.0	66.0		16.8	28.7	40.5	52.0	63.0
	64.0		10.0	18.8	27.7	36.5	44.5	52.0	59.0		13.2	24.4	35.5	47.0	56.0
1	68.0		7.0	15.4	23.8	32.0	39.0	46.0	53.0		10.1	20.7	31.5	41.0	50.0
1	72.0			12.3	20.3	27.3	34.0	40.5	47.0		7.3	17.3	27.3	36.0	44.5
	76.0 80.0			9.6	17.2	24.0	30.0	36.5	42.5			14.4	23.9	32.0	40.0
	84.0			7.2 5.0	14.4 11.9	20.7 17.4	26.2 22.3	32.5 28.2	38.0 34.0			11.7 9.3	20.7 17.4	28.0 24.0	36.0 31.5
	88.0			5.0	9.7	14.8	19.4	24.9	30.5			7.2	14.9	21.0	28.1
	92.0				7.7	12.9	17.3	22.2	27.2			5.3	12.9	18.7	25.1
	96.0				5.9	11.0	15.1	19.5	24.1				11.0	16.4	22.1
	00.0					9.2	13.1	17.1	21.3				9.2	14.3	19.4
	04.0					7.8	11.5	15.3	19.1				7.7	12.7	17.5
1	08.0					6.8	10.4	13.9	15.8				6.8	11.5	15.8
* n	*	7	9	11	13	13	13	13	13	7	10	12	12	12	12
уу	\dashv	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
ZZ	_	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
0-40															
	m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
L						_									
						1	А	ור	GE.	No.	AD)				
			HSL2D	В				11	65	Ay I					
			108m				150				₩ ,,,				
			. 55.11				t	Jl 💮	t	У	y m	l	J	l	
_															



LR 160	U/Z \	09194	9	ιy	рт: D=	-20.0	111111					6/8		22.32
		m	ı > < t		CO	DE :	>136	64<				B18	1 2E	300
₽ m	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0	108.0
16.0	197.0	197.0	119.0	162.0	195.0	195.0	195.0	195.0	195.0	195.0	122.0	174.0	193.0	193.0
18.0	196.0	196.0	104.0	143.0	183.0	194.0	194.0	194.0	194.0	194.0	107.0	154.0	192.0	192.0
20.0	195.0	195.0	91.0	127.0	163.0	190.0	193.0	193.0	193.0	193.0	94.0	137.0	179.0	190.0
22.0	194.0	194.0	80.0	114.0	147.0	180.0	192.0	192.0	192.0	192.0	83.0	122.0	162.0	189.0
24.0	193.0	193.0	71.0	102.0	133.0	164.0	191.0	191.0	191.0	191.0	74.0	110.0	147.0	183.0
26.0	187.0	187.0	63.0	92.0	121.0	150.0	179.0	185.0	188.0	188.0	66.0	100.0	134.0	168.0
28.0	181.0	185.0	56.0	83.0	110.0	137.0	164.0	179.0	186.0	186.0	59.0	91.0	123.0	155.0
30.0 32.0	175.0	181.0	50.0	76.0	101.0	127.0	152.0	174.0	183.0	183.0	52.0	82.0	113.0	143.0
34.0	170.0 159.0	177.0 168.0	45.0 40.0	69.0 63.0	93.0 86.0	117.0 108.0	141.0 131.0	165.0 154.0	180.0 171.0	180.0 173.0	47.0 42.0	75.0 69.0	104.0 96.0	132.0 123.0
36.0	148.0	160.0	36.0	57.0	79.0	101.0	122.0	144.0	162.0	167.0	37.5	63.0	89.0	114.0
38.0	139.0	152.0	32.0	53.0	73.0	94.0	114.0	135.0	153.0	160.0	33.5	58.0	82.0	107.0
40.0	131.0	143.0	28.5	48.0	68.0	87.0	107.0	127.0	144.0	154.0	30.0	53.0	77.0	100.0
44.0	114.0	127.0	22.3	40.5	58.0	76.0	94.0	112.0	127.0	141.0	23.7	45.0	66.0	88.0
48.0	103.0	115.0	17.1	34.0	50.0	67.0	84.0	100.0	115.0	128.0	18.4	38.0	58.0	77.0
52.0	91.0	103.0	12.7	28.2	43.5	59.0	75.0	89.0	103.0	115.0	13.9	32.0	50.0	69.0
56.0	80.0	90.0	8.9	23.3	38.0	52.0	66.0	78.0	90.0	102.0	10.0	27.1	44.0	61.0
60.0	73.0	83.0	5.6	19.1	32.5	46.0	59.0	71.0	83.0	94.0	6.6	22.6	38.5	55.0
64.0	66.0	75.0		15.4	28.2	41.0	53.0	64.0	75.0	86.0		18.7	33.0	48.5
68.0	59.0	67.0		12.2	24.2	36.5	47.0	57.0	67.0	77.0		15.3	28.8	43.0
72.0	53.0	61.0		9.3	20.7	31.5	41.5	51.0	61.0	70.0		12.2	25.3	38.0
76.0	48.0	56.0		6.7	17.6	28.0	37.5	46.5	56.0	65.0		9.5	22.2	34.0
80.0	43.5	51.0			14.8	24.3	33.0	42.0	51.0	59.0		7.0	19.4	30.0
84.0	39.0	46.0			12.2	20.6	29.1	37.5	46.0	54.0			16.1	26.1
88.0	35.0	42.0			10.0	17.8	25.7	34.0	42.0	49.5			13.9	23.0
92.0	32.0	38.5			8.0	15.8	23.0	30.5	38.5	45.0			12.0	20.5
96.0	28.6	35.0			6.2	13.7	20.2	27.5	35.0	39.0			10.0	18.0
100.0 104.0	25.5	30.5				11.8	17.7	24.4	31.0	34.0			8.1	15.7
104.0	22.9	25.4				10.2	15.9	21.9	25.9	28.7			6.4	14.0
100.0	18.2	20.6				9.2	14.7	17.6	19.8	22.1				
* n *	12	12	7	10	12	12	12	12	12	12	8	11	12	12
уу	13.0	13.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	18.0	18.0	18.0	18.0
ZZ	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0
_														
_														
0-40														
m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
	T	HSL2D	D		ገር	<u>~</u>	ור	65	No.					
						150	∐ _≡ 7							
		108m				t			I	zz t y m				
					_			·	,	,				



*** 678 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.32 CODE >1364< B181 2B00 m > < t108.0 108.0 108.0 108.0 m 16.0 193.0 193.0 193.0 193.0 18.0 192.0 192.0 192.0 192.0 20.0 190.0 190.0 190.0 190.0 189.0 189.0 189.0 22.0 189.0 24.0 187.0 187.0 187.0 187.0 26.0 182.0 185.0 185.0 185.0 28.0 176.0 183.0 183.0 183.0 30.0 171.0 181.0 181.0 181.0 179.0 32.0 179.0 179.0 161.0 34.0 150.0 170.0 173.0 173.0 36.0 140.0 162.0 167.0 170.0 38.0 131.0 153.0 162.0 166.0 40.0 123.0 145.0 156.0 162.0 44.0 109.0 128.0 145.0 153.0 48.0 97.0 116.0 132.0 141.0 52.0 87.0 104.0 119.0 130.0 56.0 77.0 91.0 106.0 119.0 60.0 70.0 83.0 97.0 110.0 64.0 63.0 76.0 89.0 101.0 68.0 56.0 68.0 80.0 92.0 72.0 50.0 61.0 73.0 84.0 76.0 45.5 56.0 67.0 78.0 80.0 41.0 51.0 62.0 72.0 84.0 36.5 46.5 56.0 64.0 88.0 33.0 42.5 52.0 57.0 92.0 47.0 29.6 39.0 51.0 96.0 26.5 35.5 41.0 44.5 100.0 23.5 32.0 35.5 39.0 104.0 20.9 26.9 30.5 33.5 108.0 * n * 12 12 12 12 18.0 18.0 18.0 18.0 уу 200.0 250.0 300.0 350.0 ΖZ 0-10 m/s 12.8 12.8 12.8 12.8 HSL2DB 108m



	- C7	09794		· · · · ·	рт: D=	-20.0						6/8		22.32
	MM	m	ı > < t		CO	DE :	>807	72<				B18	1 6	100
₽ ₩	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0
16.0	110.0	140.0	170.0	188.0	188.0	188.0	188.0	188.0	114.0	152.0	185.0	185.0	185.0	185.0
18.0		123.0	150.0	177.0	186.0	186.0	186.0	186.0	99.0	133.0	168.0	184.0	184.0	184.0
20.0	1	109.0	134.0	158.0	180.0	182.0	182.0	182.0	87.0	118.0	150.0	179.0	183.0	183.0
22.0		97.0	120.0	143.0	166.0	178.0 172.0	178.0	178.0	76.0	105.0	134.0	163.0	182.0	182.0
24.0 26.0	1	86.0 77.0	108.0 97.0	129.0 117.0	150.0 137.0	172.0	173.0 166.0	173.0 168.0	68.0 60.0	94.0 85.0	121.0 110.0	148.0 135.0	175.0 160.0	181.0
28.0		70.0	88.0	107.0	126.0	144.0	158.0	163.0	53.0	77.0	100.0	124.0	147.0	175.0 166.0
30.0	1	63.0	80.0	98.0	115.0	133.0	150.0	158.0	47.5	69.0	92.0	114.0	136.0	158.0
32.0		57.0	73.0	90.0	106.0	123.0	140.0	152.0	42.0	63.0	84.0	105.0	126.0	147.0
34.0	1	51.0	67.0	83.0	98.0	114.0	130.0	145.0	37.5	57.0	77.0	97.0	117.0	137.0
36.0		46.5	61.0	76.0	91.0	106.0	121.0	136.0	33.0	52.0	71.0	90.0	109.0	127.0
38.0	1	42.0	56.0	70.0	85.0	99.0	113.0	127.0	29.4	47.5	65.0	83.0	101.0	119.0
40.0	24.4	38.0	52.0	65.0	79.0	92.0	106.0	119.0	25.9	43.0	60.0	77.0	94.0	112.0
44.0		31.0	43.5	56.0	68.0	81.0	93.0	103.0	19.9	35.5	51.0	67.0	83.0	99.0
48.0	1	25.1	36.5	48.0	60.0	71.0	83.0	92.0	14.9	29.4	44.0	58.0	73.0	87.0
52.0	<u> </u>	20.0	30.5	41.5	52.0	63.0	73.0	82.0	10.5	24.0	37.5	51.0	64.0	78.0
56.0	_	15.7	25.7	35.5	45.5	55.0	64.0	72.0	6.8	19.4	32.0	44.5	57.0	69.0
60.0		11.9	21.2	30.5	40.0	48.5	57.0	64.0		15.3	27.2	39.0	51.0	61.0
64.0 68.0	1	8.5	17.4	26.2	35.0	43.0	51.0	58.0		11.8	22.9	34.0	45.0	55.0
72.0		5.6	13.9 10.9	22.3 18.8	30.5 25.4	37.5 32.5	45.0 39.0	52.0 45.5		8.7 5.9	19.2 15.9	29.8 25.5	40.0 34.5	49.0 43.0
76.0	1		8.2	15.7	22.3	28.6	35.0	41.0		5.9	12.9	22.3	30.5	38.5
80.0			5.7	12.9	19.4	25.0	31.0	37.0			10.3	19.3	26.7	34.5
84.0	1		0.7	10.4	16.5	21.5	27.1	33.0			7.9	16.4	23.0	30.5
88.0				8.2	13.6	18.0	23.1	28.7			5.7	13.5	19.3	26.4
92.0				6.2	11.7	16.0	20.7	25.8				11.7	17.2	23.7
96.0	1				9.9	14.0	18.4	22.9				9.8	15.2	21.1
100.0					8.1	12.0	16.0	20.1				8.0	13.2	18.4
104.0	1				6.6	10.3	14.1	17.9				6.4	11.5	16.3
108.0 112.0					5.3	9.0	12.0	13.8				5.1	10.0	13.8
112.0						5.7	7.5	9.2					7.1	9.3
* * *	7	0	11	10	10	10	10	10	7	0	10	10	40	40
* n *	7	9	11	12	12	12	12	12	7	9	12	12	12	12
уу —	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
zz	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
_														
0-40														
m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
		HSL2D 111m				150 t		65 t	₩ y	zz t				



LR 160	0/2	03137	3	ιy	ρı. D-	=28.0						6/8		22.32
	MM	m	> < t		CO	DE :	>807	72<		-		B18	1 6	100
m m	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0
16.0	185.0	185.0	116.0	159.0	184.0	184.0	184.0	184.0	184.0	184.0	120.0	171.0	181.0	181.0
18.0	184.0	184.0	101.0	140.0	179.0	183.0	183.0	183.0	183.0	183.0	104.0	151.0	181.0	181.0
20.0	183.0	183.0	89.0	124.0	160.0	180.0	182.0	182.0	182.0	182.0	92.0	134.0	176.0	180.0
22.0	182.0	182.0	78.0	111.0	144.0	177.0	181.0	181.0	181.0	181.0	81.0	120.0	159.0	180.0
24.0	181.0	181.0	69.0	100.0	131.0	161.0	181.0	181.0	181.0	181.0	72.0	108.0	144.0	179.0
26.0	177.0	177.0	61.0	90.0	119.0	147.0	174.0	176.0	176.0	176.0	64.0	98.0	132.0	165.0
28.0	173.0	175.0	55.0	81.0	108.0	135.0	162.0	172.0	176.0	176.0	57.0	89.0	120.0	152.0
30.0	168.0	171.0	48.5	74.0	99.0	124.0	150.0	167.0	174.0	174.0	51.0	81.0	110.0	140.0
32.0 34.0	164.0 156.0	168.0	43.5	67.0	91.0	115.0	139.0	163.0	172.0	172.0	45.0	73.0 67.0	102.0	130.0
36.0	146.0	162.0 155.0	38.5 34.5	61.0 56.0	84.0 77.0	106.0 99.0	129.0 120.0	152.0 142.0	165.0 157.0	167.0 161.0	40.5 36.0	61.0	94.0 87.0	121.0 112.0
38.0	137.0	147.0	30.5	51.0	71.0	92.0	112.0	133.0	149.0	155.0	32.0	56.0	81.0	105.0
40.0	129.0	140.0	27.0	46.5	66.0	86.0	105.0	125.0	141.0	150.0	28.5	52.0	75.0	98.0
44.0	113.0	125.0	20.8	39.0	57.0	75.0	92.0	110.0	125.0	139.0	22.2	43.5	65.0	86.0
48.0	101.0	113.0	15.7	32.0	49.0	65.0	82.0	98.0	113.0	126.0	17.0	36.5	56.0	76.0
52.0	90.0	101.0	11.3	26.7	42.0	57.0	73.0	88.0	101.0	114.0	12.4	30.5	49.0	67.0
56.0	79.0	90.0	7.5	21.9	36.0	51.0	65.0	77.0	90.0	102.0	8.6	25.6	42.5	60.0
60.0	71.0	81.0	-	17.7	31.0	44.5	58.0	69.0	81.0	92.0	5.2	21.2	37.0	53.0
64.0	64.0	74.0		14.0	26.7	39.5	52.0	63.0	74.0	84.0		17.3	32.0	47.0
68.0	58.0	67.0		10.7	22.7	35.0	46.0	56.0	66.0	76.0		13.8	27.8	42.0
72.0	51.0	59.0		7.8	19.2	30.0	40.0	49.5	59.0	69.0		10.8	24.3	37.0
76.0	46.5	54.0		5.2	16.1	26.5	36.0	45.0	54.0	63.0		8.0	20.9	32.5
80.0	42.0	50.0			13.3	23.1	32.0	41.0	49.5	58.0		5.6	17.9	28.9
84.0	38.0	45.0			10.8	19.8	27.9	36.5	45.0	53.0			15.1	25.1
88.0	33.5	40.5			8.5	16.5	23.9	32.0	40.5	48.0			12.7	21.2
92.0	30.5	37.0			6.5	14.5	21.5	29.1	37.0	42.5			10.5	19.0
96.0 100.0	27.3	33.5				12.6	19.1	26.1	33.5	37.0			8.5	16.8
104.0	24.2	28.1				10.7	16.7 14.7	23.1	28.6	31.5 26.5			6.8	14.7
108.0	16.2	23.2 18.6				9.0 7.6	13.0	20.5 16.3	23.7 19.0	20.5			5.2	12.8 10.6
112.0	11.6	13.9				7.0	13.0	10.5	19.0	21.0				10.0
	11.0	10.0												
* n *	12	12	7	10	11	11	11	11	11	11	7	11	11	11
уу —	13.0	13.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	18.0	18.0	18.0	18.0
ZZ	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0
_														
0-40 m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
		HSL2D 111m				150 t		65 t	y y	zz t				



*** 678 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.32 CODE >8072< B181 6100 m > < t111.0 111.0 111.0 111.0 m 16.0 181.0 181.0 181.0 181.0 18.0 181.0 181.0 181.0 181.0 20.0 180.0 180.0 180.0 180.0 180.0 180.0 22.0 180.0 180.0 24.0 179.0 179.0 179.0 179.0 26.0 175.0 177.0 177.0 177.0 28.0 170.0 176.0 176.0 176.0 30.0 166.0 174.0 174.0 174.0 32.0 173.0 158.0 173.0 173.0 34.0 147.0 167.0 169.0 169.0 36.0 138.0 159.0 163.0 163.0 38.0 129.0 151.0 158.0 160.0 40.0 121.0 143.0 153.0 156.0 44.0 107.0 126.0 142.0 147.0 48.0 95.0 114.0 130.0 137.0 52.0 85.0 102.0 118.0 127.0 56.0 76.0 91.0 105.0 117.0 60.0 68.0 82.0 95.0 108.0 64.0 61.0 74.0 87.0 100.0 68.0 55.0 67.0 79.0 91.0 72.0 48.5 60.0 71.0 83.0 76.0 44.0 77.0 55.0 66.0 80.0 39.5 50.0 61.0 70.0 84.0 35.5 45.5 55.0 62.0 88.0 41.0 31.0 50.0 55.0 92.0 44.5 28.1 37.5 48.5 96.0 25.1 34.0 38.5 42.5 100.0 22.1 29.7 33.0 36.5 104.0 19.6 24.7 28.1 31.5 108.0 16.5 20.0 23.3 26.6 112.0 * n * 11 11 11 11 18.0 18.0 18.0 18.0 уу 200.0 250.0 300.0 350.0 ΖZ 0-10 **⋓** m/s 12.8 12.8 12.8 12.8 HSL2DB 111m



LR 160	0/2 \	03137	3	ιy	рт: D=	-20.0						6/8		22.32
		m	> < t		CO	DE :	>136	>66				B18	1 20	000
m m	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0
16.0	109.0	138.0	168.0	171.0	171.0	171.0	171.0	171.0	112.0	150.0	172.0	172.0	172.0	172.0
18.0	95.0	121.0	148.0	165.0	165.0	165.0	165.0	165.0	98.0	132.0	166.0	171.0	171.0	171.0
20.0	83.0	108.0	132.0	157.0	161.0	161.0	161.0	161.0	86.0	117.0	148.0	168.0	170.0	170.0
22.0	73.0	96.0	118.0	141.0	158.0	158.0	158.0	158.0	76.0	104.0	133.0	162.0	169.0	169.0
24.0	64.0	86.0	107.0	128.0	149.0	156.0	156.0	156.0	67.0	94.0	120.0	147.0	169.0	169.0
26.0 28.0	57.0 51.0	77.0 69.0	97.0 88.0	116.0 106.0	136.0 125.0	152.0 143.0	153.0 148.0	153.0 151.0	59.0 53.0	84.0 76.0	109.0	134.0 123.0	159.0 146.0	165.0 159.0
30.0	45.0	62.0	80.0	97.0	115.0	132.0	143.0	149.0	47.0	69.0	91.0	113.0	135.0	153.0
32.0	40.0	56.0	73.0	89.0	106.0	122.0	138.0	147.0	41.5	63.0	83.0	104.0	125.0	146.0
34.0	35.5	51.0	67.0	82.0	98.0	113.0	129.0	143.0	37.0	57.0	77.0	96.0	116.0	136.0
36.0	31.5	46.0	61.0	76.0	91.0	105.0	120.0	135.0	33.0	52.0	70.0	89.0	108.0	127.0
38.0	27.6	41.5	56.0	70.0	84.0	98.0	112.0	127.0	29.2	47.0	65.0	83.0	101.0	118.0
40.0	24.3	38.0	51.0	65.0	78.0	92.0	105.0	119.0	25.8	43.0	60.0	77.0	94.0	111.0
44.0	18.4	31.0	43.0	56.0	68.0	80.0	93.0	104.0	19.8	35.5	51.0	67.0	82.0	98.0
48.0	13.5	25.0	36.5	48.0	59.0	71.0	82.0	92.0	14.8	29.2	43.5	58.0	73.0	87.0
52.0	9.3	19.9	30.5	41.0	52.0	63.0	73.0	82.0	10.5	23.9	37.5	51.0	64.0	78.0
56.0	5.7	15.6	25.6	35.5	45.5	55.0	64.0	72.0	6.7	19.3	32.0	44.5	57.0	69.0
60.0		11.8	21.2	30.5	40.0	48.5	56.0	64.0		15.3	27.1	39.0	51.0	61.0
64.0		8.5	17.3	26.1	35.0	43.0	51.0	58.0		11.8	22.9	34.0	45.0	55.0
68.0 72.0		5.6	13.9	22.2	30.5	38.0	45.0	52.0		8.6	19.2	29.7	40.0	49.0
76.0			10.9 8.2	18.8 15.7	26.0 22.1	33.0 28.4	39.5 34.5	46.0 41.0		5.9	15.8 12.9	25.8 22.0	35.0 30.5	43.5 38.5
80.0			5.7	12.9	19.4	25.2	31.0	37.0			10.2	19.3	26.8	34.5
84.0			5.7	10.4	16.7	21.9	27.2	33.0			7.9	16.5	23.4	30.5
88.0				8.2	13.9	18.7	23.5	29.1			5.7	13.9	20.0	26.8
92.0				6.1	11.6	16.0	20.4	25.7				11.6	17.2	23.5
96.0					10.0	14.1	18.3	23.1				9.7	15.3	21.1
100.0					8.3	12.2	16.2	20.5				7.9	13.4	18.7
104.0					6.6	10.4	14.1	17.5				6.3	11.5	16.4
108.0					5.3	8.9	11.3	13.2					10.0	13.2
112.0						5.5	7.2	8.9					6.7	9.0
* n *	7	9	10	11	11	11	11	11	7	9	11	11	11	11
уу	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
zz	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
_														
0-40 m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
		HSL2D 114m				150 t		65 t	y y	zz t				



	10/2 09/949 typ1: D=28.0 mm										6/8		22.32	
		m	ı > < t		CO	DE :	>136	>66				B18	1 20	000
m m	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0	114.0
16.0	172.0	172.0	115.0	157.0	170.0	170.0	170.0	170.0	170.0	170.0	118.0	169.0	169.0	169.0
18.0	171.0	171.0	100.0	139.0	170.0	170.0	170.0	170.0	170.0	170.0	103.0	149.0	168.0	168.0
20.0	170.0	170.0	88.0	123.0	159.0	169.0	169.0	169.0	169.0	169.0	91.0	133.0	166.0	167.0
22.0	169.0	169.0	77.0	110.0	143.0	168.0	168.0	168.0	168.0	168.0	80.0	119.0	158.0	167.0
24.0	169.0	169.0	69.0	99.0	129.0	160.0	168.0	168.0	168.0	168.0	71.0	107.0	143.0	166.0
26.0	166.0	166.0	61.0	89.0	118.0	146.0	164.0	166.0	166.0	166.0	63.0	97.0	130.0	163.0
28.0	163.0	163.0	54.0	81.0	107.0	134.0	157.0	163.0	164.0	164.0	56.0	88.0	119.0	151.0
30.0	161.0	161.0	48.0	73.0	98.0	123.0	149.0	161.0	162.0	162.0	50.0	80.0	110.0	139.0
32.0 34.0	158.0	158.0	43.0	67.0	90.0	114.0	138.0	158.0	161.0	161.0	45.0	73.0	101.0	129.0
34.0	154.0	154.0	38.5	61.0	83.0	106.0	128.0	151.0	157.0	158.0	40.0	67.0	93.0	120.0
38.0	145.0	148.0	34.0	55.0	77.0	98.0	119.0	141.0	151.0	154.0	35.5	61.0	86.0	112.0
40.0	136.0	142.0	30.5	51.0	71.0	91.0	112.0	132.0	144.0	149.0	32.0	56.0	80.0	104.0
44.0	128.0 113.0	136.0 124.0	26.8 20.7	46.0 38.5	66.0 56.0	85.0 74.0	104.0 92.0	124.0 110.0	137.0 124.0	145.0 136.0	28.3 22.1	51.0 43.0	74.0 64.0	97.0 85.0
48.0	100.0	112.0	15.6	32.0	48.5	65.0	81.0	98.0	112.0	136.0	16.9	36.5	56.0	75.0
52.0	90.0	101.0	11.2	32.0 26.5	48.5 42.0	57.0	72.0	98.0 88.0	101.0	126.0	12.4	30.5	48.5	67.0
56.0	80.0	90.0	7.5	21.8	36.0	50.0	65.0	78.0	90.0	102.0	8.5	25.5	42.5	59.0
60.0	71.0	80.0	1.5	17.6	31.0	44.5	57.0	69.0	80.0	92.0	5.2	21.1	37.0	53.0
64.0	64.0	74.0		13.9	26.6	39.5	52.0	63.0	74.0	84.0	5.2	17.2	32.0	47.0
68.0	58.0	67.0		10.7	22.7	34.5	46.0	56.0	67.0	77.0		13.8	27.9	42.0
72.0	52.0	60.0		7.8	19.2	30.5	40.5	50.0	60.0	69.0		10.7	24.2	37.5
76.0	46.5	54.0		5.2	16.1	26.4	36.0	45.0	54.0	63.0		8.0	20.8	32.5
80.0	42.0	50.0		0.2	13.3	23.3	32.0	41.0	49.5	58.0		5.6	17.8	29.0
84.0	38.0	45.5			10.7	20.1	28.1	36.5	45.0	53.0		5.0	15.1	25.3
88.0	34.0	41.0			8.5	17.0	24.3	32.5	40.5	48.0			12.7	21.7
92.0	30.5	37.0			6.4	14.4	21.2	29.1	37.0	42.0			10.5	18.8
96.0	27.4	32.5			0.1	12.7	19.0	26.2	33.0	36.0			8.5	16.8
100.0	24.5	27.3				10.9	16.9	23.3	27.8	31.0			6.7	14.8
104.0	20.0	22.5				9.1	14.7	20.1	23.0	25.8			5.1	12.8
108.0	15.6	17.9				7.6	12.9	15.7	18.4	21.1				11.3
112.0	11.3	13.6				6.1	8.8	11.4	14.0	16.6				
* n *	11	11	7	10	11	11	11	11	11	11	7	10	10	10
уу —	13.0	13.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	18.0	18.0	18.0	18.0
zz	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0
_														
0-40 m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
		HSL2D 114m				150 t		65 t	y	zz t				



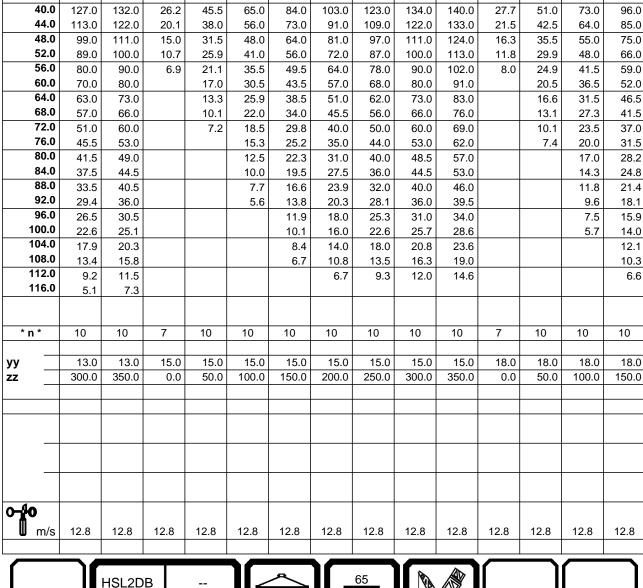
*** 678 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.32 CODE >1366< B181 2C00 m > < t114.0 114.0 114.0 114.0 m 16.0 169.0 169.0 169.0 169.0 18.0 168.0 168.0 168.0 168.0 20.0 167.0 167.0 167.0 167.0 167.0 22.0 167.0 167.0 167.0 24.0 166.0 166.0 166.0 166.0 26.0 164.0 164.0 164.0 164.0 28.0 162.0 163.0 163.0 163.0 30.0 159.0 161.0 161.0 161.0 32.0 160.0 160.0 156.0 160.0 34.0 147.0 156.0 157.0 157.0 36.0 137.0 150.0 154.0 154.0 38.0 128.0 144.0 150.0 150.0 40.0 120.0 138.0 147.0 147.0 44.0 107.0 125.0 139.0 140.0 48.0 95.0 113.0 129.0 132.0 52.0 85.0 102.0 118.0 124.0 56.0 76.0 91.0 106.0 116.0 60.0 68.0 81.0 95.0 107.0 64.0 61.0 74.0 87.0 99.0 68.0 55.0 67.0 80.0 91.0 72.0 49.0 61.0 72.0 83.0 76.0 43.5 55.0 76.0 66.0 80.0 39.5 50.0 61.0 69.0 84.0 35.5 46.0 56.0 61.0 88.0 41.5 31.5 50.0 54.0 92.0 47.5 28.0 37.5 43.5 96.0 34.0 38.0 41.5 25.2 100.0 22.4 28.9 32.5 36.0 104.0 19.6 24.0 27.4 31.0 108.0 19.4 22.7 16.1 25.9 112.0 * n * 10 10 10 10 18.0 18.0 18.0 18.0 уу 200.0 250.0 300.0 350.0 ΖZ 0-10 **⋓** m/s 12.8 12.8 12.8 12.8 HSL2DB 114m



\wedge	1 A A	00104				-20.0								
		m	> < t		CO	DE :	>80	73<				B18	1 62	200
□ m	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0	117.0
16.0	107.0	136.0	163.0	163.0	163.0	163.0	163.0	163.0	111.0	148.0	162.0	162.0	162.0	162.0
18.0 20.0	93.0 82.0	120.0 106.0	146.0 130.0	156.0 150.0	156.0 151.0	156.0 151.0	156.0 151.0	156.0 151.0	96.0 85.0	130.0 115.0	162.0 146.0	162.0 159.0	162.0 160.0	162.0 160.0
22.0	72.0	94.0	117.0	140.0	148.0	148.0	148.0	148.0	75.0	103.0	132.0	156.0	159.0	159.0
24.0	63.0	84.0	105.0	126.0	145.0	145.0	145.0	145.0	66.0	92.0	119.0	145.0	158.0	158.0
26.0	56.0	76.0	95.0	115.0	135.0	142.0	142.0	142.0	58.0	83.0	108.0	133.0	157.0	157.0
28.0	50.0	68.0	87.0	105.0	123.0	136.0	138.0	138.0	52.0	75.0	98.0	122.0	145.0	151.0
30.0	44.0	61.0	79.0	96.0	113.0	130.0	135.0	138.0	46.0	68.0	90.0	112.0	134.0	147.0
32.0 34.0	39.0 34.5	55.0 50.0	72.0 66.0	88.0 81.0	105.0 97.0	121.0 112.0	132.0 128.0	136.0 135.0	41.0 36.5	62.0 56.0	82.0 76.0	103.0 95.0	124.0 115.0	142.0
36.0	30.5	45.5	60.0	75.0	90.0	104.0	119.0	129.0	32.5	51.0	70.0	88.0	107.0	134.0 125.0
38.0	27.0	41.0	55.0	69.0	83.0	97.0	111.0	122.0	28.6	46.5	64.0	82.0	100.0	117.0
40.0	23.6	37.0	51.0	64.0	77.0	91.0	104.0	116.0	25.2	42.0	59.0	76.0	93.0	110.0
44.0	17.8	30.0	42.5	55.0	67.0	79.0	92.0	102.0	19.2	35.0	50.0	66.0	81.0	97.0
48.0	12.9	24.3	35.5	47.0	59.0	70.0	81.0	90.0	14.2	28.6	43.0	57.0	72.0	86.0
52.0	8.7	19.3	29.9	40.5	51.0	62.0	72.0	81.0	9.9	23.3	36.5	50.0	63.0	77.0
56.0 60.0	5.1	15.0 11.2	24.9	35.0	44.5	55.0	64.0 55.0	72.0	6.2	18.7	31.0	43.5	56.0	69.0
64.0		7.9	20.5	29.8 25.4	39.0 34.0	47.5 42.5	49.5	63.0 57.0		14.7 11.1	26.4 22.2	38.0 33.5	50.0 44.5	60.0 54.0
68.0		7.5	13.2	21.5	29.8	37.5	44.5	51.0		8.0	18.5	29.0	39.5	48.5
72.0			10.2	18.1	25.4	32.5	39.0	45.5		5.2	15.2	25.1	34.5	43.0
76.0			7.5	14.9	20.7	27.3	33.5	40.0			12.2	20.6	29.2	37.5
80.0			5.0	12.2	18.2	24.2	30.0	36.0			9.5	18.1	26.0	33.5
84.0				9.6	15.8	21.2	26.6	32.5			7.1	15.7	22.8	29.9
88.0 92.0				7.3 5.3	13.4	18.2	23.1	28.5				13.2	19.7	26.2
96.0				5.3	11.0 9.2	15.3 13.3	19.6 17.4	24.7 22.1				10.9 8.8	16.6 14.5	22.5 20.1
100.0					7.5	11.5	15.4	19.7				6.9	12.6	17.9
104.0					5.8	9.7	13.5	15.4				5.2	10.8	15.4
108.0						7.4	9.2	11.0					8.7	11.1
112.0							5.1	6.9						7.0
116.0														
* n *	7	8	10	10	10	10	10	10	7	9	10	10	10	10
_														
уу	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
ZZ	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
-														
0-40														
m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
W 111/S	12.0	12.0	12.0	12.0	12.0	12.0	14.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
														$\overline{}$
		HSL2D	$_{B}$		11/	~		65	8					
						150	∏ ≡7							
		117m				. 50		_=		zz t				
	_/\				JL	ι	<i></i>	ι	У	y m			<u> </u>	



LR 1600/2 -- 097949 *** 678 typ1: D=28.0 mm 22.32 CODE >8073< B181 6200 m > < t117.0 117.0 117.0 117.0 117.0 117.0 117.0 117.0 117.0 117.0 117.0 117.0 117.0 m 117.0 16.0 162.0 162.0 113.0 155.0 161.0 161.0 161.0 161.0 161.0 161.0 116.0 160.0 160.0 160.0 18.0 162.0 162.0 99.0 137.0 161.0 161.0 161.0 161.0 161.0 161.0 102.0 147.0 159.0 159.0 20.0 160.0 160.0 86.0 122.0 157.0 160.0 160.0 160.0 160.0 160.0 89.0 131.0 158.0 158.0 22.0 159.0 159.0 76.0 109.0 141.0 159.0 159.0 159.0 159.0 159.0 79.0 117.0 155.0 158.0 24.0 128.0 158.0 158.0 158.0 158.0 70.0 158.0 158.0 68.0 98.0 158.0 106.0 142.0 157.0 26.0 60.0 88.0 116.0 145.0 156.0 156.0 156.0 156.0 62.0 96.0 129.0 156.0 157.0 157.0 28.0 154.0 53.0 80.0 106.0 133.0 150.0 155.0 155.0 155.0 55.0 87.0 118.0 149.0 154.0 30.0 153.0 153.0 47.5 72.0 97.0 122.0 144.0 153.0 154.0 154.0 49.5 79.0 109.0 138.0 32.0 66.0 44.0 151.0 151.0 42.5 89.0 113.0 136.0 151.0 152.0 152.0 72.0 100.0 128.0 34.0 105.0 149.0 151.0 39.5 149.0 149.0 37.5 60.0 82.0 127.0 151.0 66.0 92.0 119.0 36.0 143.0 143.0 33.5 55.0 76.0 97.0 118.0 140.0 146.0 148.0 35.0 60.0 85.0 111.0 38.0 135.0 138.0 29.6 50.0 70.0 90.0 111.0 131.0 140.0 144.0 31.0 55.0 79.0 103.0 40.0 127.0 132.0 26.2 45.5 65.0 84.0 103.0 123.0 134.0 140.0 27.7 51.0 73.0





*** 678 LR 1600/2 -- 097949 22.32 typ1: D=28.0 mm CODE >8073< B181 6200 m > < t117.0 117.0 117.0 117.0 m 16.0 160.0 160.0 160.0 160.0 18.0 159.0 159.0 159.0 159.0 20.0 158.0 158.0 158.0 158.0 158.0 22.0 158.0 158.0 158.0 24.0 157.0 157.0 157.0 157.0 26.0 156.0 156.0 156.0 156.0 28.0 154.0 155.0 155.0 155.0 30.0 152.0 154.0 154.0 154.0 32.0 150.0 153.0 153.0 153.0 34.0 145.0 152.0 152.0 152.0 36.0 136.0 146.0 148.0 148.0 38.0 127.0 141.0 145.0 145.0 40.0 119.0 135.0 142.0 142.0 44.0 106.0 123.0 135.0 135.0 48.0 94.0 112.0 127.0 128.0 52.0 84.0 101.0 116.0 120.0 56.0 76.0 91.0 105.0 113.0 60.0 67.0 80.0 94.0 105.0 64.0 60.0 73.0 86.0 97.0 68.0 54.0 67.0 79.0 90.0 72.0 48.5 60.0 72.0 83.0 76.0 42.5 54.0 64.0 75.0 80.0 39.0 49.5 60.0 67.0 84.0 35.0 45.0 55.0 59.0 88.0 47.5 31.0 40.5 52.0 92.0 41.5 27.1 36.5 45.5 96.0 24.3 32.0 35.5 39.5 100.0 21.7 26.7 30.0 34.0 104.0 18.4 21.8 25.2 28.6 108.0 14.0 17.3 20.5 23.8 112.0 9.8 12.9 16.1 19.2 116.0 * n * 10 10 10 10 18.0 18.0 18.0 18.0 уу 200.0 250.0 300.0 350.0 ΖZ 0-10 **⋓** m/s 12.8 12.8 12.8 12.8 HSL2DB 117m



	00/2	03134	. <u>ə</u>	ιy	рт: D=	-20.0	111111					6/8		22.32
		m	ı > < t		CO	DE :	>136	>86				B18	1 20	000
	m 120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
16	.0 106.0	135.0	151.0	151.0	151.0	151.0	151.0	151.0	109.0	146.0	151.0	151.0	151.0	151.0
18.	I	119.0	145.0	145.0	145.0	145.0	145.0	145.0	96.0	129.0	150.0	150.0	150.0	150.0
20	I	105.0	129.0	139.0	139.0	139.0	139.0	139.0	84.0	115.0	145.0	149.0	149.0	149.0
22		94.0	116.0	136.0	138.0	138.0	138.0	138.0	74.0	102.0	131.0	148.0	148.0	148.0
24		84.0	105.0	126.0	136.0	136.0	136.0	136.0	66.0	92.0	118.0	144.0	147.0	147.0
26 28		75.0 68.0	95.0 86.0	114.0 104.0	134.0 123.0	134.0 130.0	134.0 132.0	134.0 132.0	58.0 52.0	83.0 75.0	107.0 98.0	132.0 121.0	146.0 141.0	146.0 143.0
30	I	61.0	78.0	96.0	113.0	125.0	130.0	131.0	46.0	68.0	89.0	111.0	133.0	140.0
32	1	55.0	72.0	88.0	104.0	120.0	128.0	130.0	41.0	61.0	82.0	103.0	123.0	137.0
34	I	50.0	65.0	81.0	96.0	112.0	126.0	129.0	36.5	56.0	75.0	95.0	114.0	134.0
36		45.5	60.0	75.0	89.0	104.0	119.0	125.0	32.5	51.0	69.0	88.0	106.0	125.0
38		41.0	55.0	69.0	83.0	97.0	111.0	120.0	28.6	46.5	64.0	82.0	99.0	117.0
40	.0 23.7	37.0	50.0	64.0	77.0	91.0	104.0	114.0	25.2	42.0	59.0	76.0	93.0	110.0
44.		30.5	42.5	55.0	67.0	79.0	92.0	102.0	19.4	35.0	50.0	66.0	81.0	97.0
48		24.5	36.0	47.0	58.0	70.0	81.0	90.0	14.4	28.7	43.0	57.0	72.0	86.0
52		19.5	30.0	40.5	51.0	62.0	72.0	81.0	10.1	23.4	37.0	50.0	63.0	77.0
56		15.2	25.1	35.0	45.0	55.0	64.0	73.0	6.4	18.9	31.5	44.0	56.0	69.0
60.		11.4	20.7	30.0	39.0	48.5	56.0	64.0		14.9	26.6	38.5	50.0	61.0
64	I	8.1	16.9	25.6	34.5	42.5	49.5	57.0		11.4	22.4	33.5	44.5	54.0
68	1	5.2	13.5	21.7	30.0	37.5	44.5	51.0		8.3	18.7	29.1	39.5	49.0
72 76	I		10.4	18.3	26.1	33.0	39.5	46.0		5.5	15.4	25.3	35.0	43.5
80			7.7	15.2	21.6	28.0	34.5	40.5			12.4	21.6	30.0	38.5
84			5.3	12.4 9.9	18.2 16.0	24.2 21.5	30.5 27.0	36.0 32.5			9.8 7.4	18.3 16.0	26.1 23.2	34.0 30.5
88				7.6	13.7	18.7	23.7	28.9			5.2	13.4	20.2	26.7
92	I			5.5	11.4	16.0	20.4	25.3			0.2	11.1	17.3	23.1
96	1			0.0	9.3	13.5	17.5	22.1				9.0	14.6	20.0
100					7.8	11.7	15.7	19.5				7.1	12.9	18.0
104					6.0	10.0	13.1	15.0				5.4	11.1	15.0
108						7.0	8.8	10.7					8.4	10.7
112	I							6.6						6.7
116.	.0													
* n *	7	8	9	9	9	9	9	9	7	9	9	9	9	9
уу	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
ZZ _	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
_														
_														
0-40														
m,	/s 12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
	<u> </u>													
		HSL2D	В			<u>~</u>		65	NA.					
		120m				150	₽			zz t				
						•	/		,					



	_		09194		٠,	P =	-20.0						070		22.32
N.			m	ı > < t		CO	DE :	>136	>86				B18	1 20	000
₽\\\ \[\begin{array}{c} \begin{array} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c}	m	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
	16.0	151.0	151.0	112.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	115.0	149.0	149.0	149.0
	18.0	150.0	150.0	98.0	136.0	150.0	150.0	150.0	150.0	150.0	150.0	101.0	146.0	148.0	148.0
	20.0	149.0	149.0	86.0	121.0	149.0	149.0	149.0	149.0	149.0	149.0	89.0	130.0	147.0	147.0
	22.0	148.0	148.0	76.0	108.0	140.0	148.0	148.0	148.0	148.0	148.0	78.0	117.0	147.0	147.0
	24.0	147.0	147.0	67.0	97.0	127.0	148.0	148.0	148.0	148.0	148.0	70.0	105.0	141.0	146.0
	26.0 28.0	146.0	146.0	60.0	88.0	116.0	144.0	146.0	146.0	146.0	146.0	62.0	95.0	128.0	146.0
		143.0	143.0	53.0	79.0	106.0	132.0	143.0	145.0	145.0	145.0	55.0	86.0	118.0	141.0
	30.0 32.0	143.0 142.0	143.0	47.5 42.0	72.0	97.0	122.0 112.0	138.0	144.0 143.0	144.0 143.0	144.0 143.0	49.5	79.0	108.0 100.0	136.0
	34.0	140.0	142.0 140.0	42.0 37.5	66.0 60.0	89.0 82.0	104.0	134.0 126.0	143.0	143.0	143.0	44.0 39.5	72.0 66.0	92.0	127.0 118.0
	36.0	136.0	136.0	33.5	55.0	76.0	97.0	118.0	138.0	139.0	139.0	35.0	60.0	85.0	110.0
	38.0	130.0	132.0	29.7	50.0	70.0	90.0	110.0	130.0	134.0	134.0	31.0	55.0	79.0	103.0
	40.0	124.0	128.0	26.2	45.5	65.0	84.0	103.0	122.0	129.0	133.0	27.7	51.0	73.0	96.0
	44.0	111.0	119.0	20.2	38.0	56.0	73.0	91.0	109.0	120.0	127.0	21.6	42.5	63.0	84.0
	48.0	99.0	110.0	15.2	31.5	48.0	64.0	81.0	96.0	110.0	121.0	16.5	36.0	55.0	75.0
	52.0	89.0	100.0	10.9	26.1	41.0	56.0	72.0	87.0	100.0	111.0	12.0	30.0	48.0	66.0
	56.0	80.0	90.0	7.1	21.3	35.5	49.5	64.0	78.0	90.0	101.0	8.2	25.0	42.0	59.0
	60.0	71.0	81.0		17.2	30.5	44.0	57.0	69.0	81.0	91.0		20.6	36.5	52.0
	64.0	63.0	73.0		13.5	26.1	38.5	51.0	62.0	73.0	83.0		16.8	31.5	46.5
	68.0	58.0	66.0		10.3	22.2	34.0	46.0	56.0	66.0	76.0		13.4	27.5	41.5
	72.0	52.0	60.0		7.4	18.7	30.0	40.5	50.0	60.0	70.0		10.3	23.7	37.0
	76.0	46.5	54.0			15.6	25.9	35.5	45.0	54.0	63.0		7.6	20.3	32.5
	80.0	41.5	49.0			12.8	22.2	31.5	40.0	48.5	57.0		5.2	17.3	28.3
	84.0	37.5	45.0			10.2	19.6	27.9	36.5	44.5	52.0			14.6	25.2
	88.0	34.0	41.0			7.9	17.0	24.5	32.5	40.5	45.5			12.1	22.0
	92.0	30.0	35.5			5.8	14.4	21.2	28.8	36.0	39.0			9.8	18.9
	96.0	26.5	29.8				12.0	18.2	25.4	30.5	33.5			7.8	16.1
	00.0	22.1	24.7				10.4	16.3	22.3	25.2	28.1			5.9	14.3
	04.0	17.4	19.9				8.7	14.4	17.6	20.4	23.2				12.5
	08.0	13.1	15.4				7.0	10.4	13.2	15.9	18.6				10.4
	12.0 16.0	8.9	11.2					6.4	9.0	11.7	14.3				6.3
'	10.0	5.0	7.2						5.1	7.6	10.2				
* n	*	9	9	7	9	9	9	9	9	9	9	7	9	9	9
уу		13.0	13.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	18.0	18.0	18.0	18.0
ZZ		300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0
	-														
0-40															
W	m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
			HSL2D 120m				150 t		65 t		zz t				



*** 678 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.32 CODE >1368< B181 2D00 m > < t120.0 120.0 120.0 120.0 m 16.0 149.0 149.0 149.0 149.0 18.0 148.0 148.0 148.0 148.0 20.0 147.0 147.0 147.0 147.0 147.0 147.0 22.0 147.0 147.0 24.0 146.0 146.0 146.0 146.0 26.0 146.0 146.0 146.0 146.0 28.0 145.0 145.0 145.0 145.0 30.0 144.0 144.0 144.0 144.0 143.0 32.0 143.0 143.0 143.0 34.0 143.0 143.0 143.0 143.0 36.0 135.0 139.0 140.0 140.0 38.0 135.0 137.0 127.0 137.0 40.0 119.0 130.0 134.0 134.0 44.0 105.0 121.0 128.0 129.0 48.0 94.0 111.0 122.0 123.0 52.0 84.0 101.0 113.0 116.0 56.0 75.0 91.0 104.0 109.0 60.0 68.0 81.0 94.0 102.0 64.0 60.0 73.0 86.0 96.0 68.0 55.0 67.0 79.0 89.0 72.0 49.0 61.0 72.0 82.0 76.0 43.5 54.0 65.0 74.0 80.0 39.0 49.5 60.0 66.0 84.0 35.0 45.5 54.0 58.0 88.0 47.0 31.5 41.0 51.0 92.0 41.0 27.8 37.0 45.0 96.0 24.4 31.5 35.0 39.0 100.0 22.1 26.3 29.8 33.5 104.0 18.0 21.4 24.8 28.2 108.0 13.6 16.9 20.2 23.4 112.0 9.5 12.6 15.8 18.9 116.0 5.5 8.6 11.6 14.6 * n * 9 9 9 9 18.0 18.0 18.0 18.0 уу 200.0 250.0 300.0 350.0 ΖZ 0-10 **⋓** m/s 12.8 12.8 12.8 12.8 HSL2DB 120m



	4	JI Z	09794	3	ιy	ρ i. D-	=28.0	111111					6/8		22.32
N K			m	ı > < t		CO	DE :	>807	74<				B18	1 63	300
層風	m	123.0	123.0	123.0	123.0	123.0	123.0	123.0	123.0	123.0	123.0	123.0	123.0	123.0	123.0
1	16.0			143.0	143.0	143.0	143.0	143.0	143.0		142.0	142.0	142.0	142.0	142.0
1	18.0	90.0	116.0	137.0	137.0	137.0	137.0	137.0	137.0	93.0	126.0	141.0	141.0	141.0	141.0
2	20.0	79.0	103.0	127.0	131.0	131.0	131.0	131.0	131.0	82.0	112.0	140.0	140.0	140.0	140.0
	22.0	69.0	92.0	114.0	128.0	128.0	128.0	128.0	128.0	72.0	100.0	128.0	139.0	139.0	139.0
	24.0	61.0	82.0	103.0	123.0	126.0	126.0	126.0	126.0	64.0	90.0	116.0	138.0	138.0	138.0
	26.0	54.0	73.0	93.0	112.0	125.0	125.0	125.0	125.0	56.0	81.0	105.0	130.0	137.0	137.0
	28.0	48.0	66.0	84.0	102.0	120.0	122.0	122.0	122.0	50.0	73.0	96.0	119.0	133.0	135.0
	30.0	42.5	59.0	77.0	94.0	111.0	118.0	121.0	121.0	44.5	66.0	88.0	109.0	128.0	133.0
	32.0	37.5	54.0	70.0	86.0	102.0	115.0	120.0	120.0	39.5	60.0	80.0	101.0	121.0	131.0
	34.0	33.0	48.5	64.0	79.0	94.0	110.0	119.0	119.0	35.0	54.0	74.0	93.0	112.0	129.0
1	36.0	29.1	43.5	58.0	73.0	87.0	102.0	117.0	117.0	31.0	49.0	68.0	86.0	105.0	123.0
	38.0	25.5	39.5	53.0	67.0	81.0	95.0	109.0	112.0	27.1	44.5	62.0	80.0	97.0	115.0
	10.0 14.0	22.3	35.5	49.0	62.0	75.0	89.0	102.0	107.0	23.8	40.5	57.0	74.0	91.0	108.0
	18.0	16.6	28.8	41.0	53.0	65.0 57.0	78.0	90.0	98.0	17.9	33.5 27.2	49.0	64.0	80.0 70.0	95.0
	18.0 52.0	11.7 7.6	23.0 18.1	34.5 28.6	45.5 39.0	49.5	68.0 60.0	79.0 71.0	88.0 79.0	13.0 8.7	22.0	41.5 35.5	56.0 48.5	70.0 62.0	84.0 75.0
	56.0	7.0								5.0					
1	50.0		13.8 10.1	23.6 19.3	33.5 28.5	43.5 37.5	53.0 47.0	63.0 55.0	71.0 63.0	5.0	17.5 13.5	29.9 25.1	42.5 37.0	55.0 48.5	67.0 60.0
	64.0		6.8	15.5	24.2	33.0	40.5	48.0	55.0		10.0	21.0	32.0	43.0	52.0
	8.0		0.0	12.1	20.3	28.5	36.0	43.0	50.0		6.9	17.3	27.7	38.0	47.5
	72.0			9.1	16.9	24.7	31.5	38.0	45.0		0.9	14.0	23.9	33.5	42.0
	76.0			6.3	13.8	20.9	26.8	33.5	39.5			11.0	20.4	28.8	37.0
	30.0			0.5	11.0	16.9	22.2	28.4	34.5			8.4	16.8	24.2	32.0
	34.0				8.5	14.7	19.8	25.5	31.0			6.0	14.5	21.5	28.9
	38.0				6.2	12.5	17.3	22.5	27.6			0.0	12.0	18.9	25.6
	2.0				0.2	10.4	14.8	19.5	24.2				9.7	16.2	22.3
	96.0					8.2	12.3	16.5	20.7				7.6	13.6	19.0
10	0.0					6.4	10.5	14.4	17.2				5.7	11.6	16.7
10	04.0						8.8	10.7	12.6					10.0	12.7
10	0.80							6.6	8.4					6.1	8.4
	12.0														
11	16.0														
12	20.0														
* n *	*	6	7	9	9	9	9	9	9	6	9	9	9	9	9
				,	,	,	,						,		
уу	_	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
ZZ	_	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
0-10															
1 r	m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
						<u> </u>							<u> </u>		
		n	HSL2D	B		IC	~	Γ	65	No.					
						IIÉ	150	∐ _≣ 7							
			123m][-	t	$\Pi^{=}$	t =	<u></u>	zz t y m				
_				_				7							



March Marc	LR 160	0/2 \	09194	. 9	ιy	p1: υ=	-20.0	111111					6/8		22.32
16.0 142.0 142.0 109.0 142.0 142.0 142.0 142.0 142.0 142.0 142.0 142.0 142.0 140.0 140.0 140.0 180.0 140.0			m	ı > < t		CO	DE :	>807	74<				B18	1 63	300
18.0 141.0 141.0 95.0 133.0 141.0 141.0 141.0 141.0 141.0 141.0 141.0 141.0 141.0 140.0 1	m m	123.0	123.0	123.0	123.0	123.0	123.0	123.0	123.0	123.0	123.0	123.0	123.0	123.0	123.0
220 1940 1940 1940 840 1180 1940 1940 1940 1940 1940 1950 1980 1980 1980 1930 1990 240 1980 1980 1980 1980 1980 1980 1980 198	16.0	142.0	142.0	109.0	142.0	142.0	142.0	142.0	142.0	142.0	142.0	113.0	140.0	140.0	140.0
22.0 139.0 139.0 74.0 106.0 137.0 139.0	18.0	141.0	141.0	95.0	133.0	141.0	141.0	141.0	141.0	141.0	141.0	98.0	140.0	140.0	140.0
24.0 138.0 138.0 65.0 95.0 125.0 138.0 138.0 138.0 138.0 68.0 103.0 138.0 138.0 28.0 138.0 138.0 28.0 138.	20.0	140.0	140.0	84.0	118.0	140.0	140.0	140.0	140.0	140.0	140.0	87.0	127.0	139.0	139.0
28.0 137.0 137.0 58.0 86.0 114.0 138.0 138.0 138.0 138.0 60.0 93.0 126.0 137.0 28.0 135.0 125.												76.0			
30.0 135.0 135.0 135.0 51.0 78.0 104.0 130.0 135.0 136.0 136.0 136.0 84.0 84.0 115.0 134.0 30.0 134.0 134.0 134.0 134.0 45.5 70.0 95.0 120.0 132.0 135.0 135.0 135.0 42.5 77.0 98.0 125.0 34.0 132.0 133.0 133.0 40.5 64.0 87.0 110.0 129.0 134.0 134.0 134.0 42.5 70.0 98.0 125.0 34.0 132.0 130.0 130.0 32.0 53.0 74.0 95.0 112.0 124.0 133.0 133.0 133.0 83.0 64.0 90.0 116.0 36.0 130.0 130.0 32.0 53.0 74.0 95.0 116.0 132.0 132.0 132.0 33.5 55.0 83.0 108.0 38.0 125.0 126.0 22.2 48.0 68.0 88.0 108.0 126.0 128.0 128.0 128.0 29.8 53.0 77.0 191.0 40.0 119.0 122.0 24.8 44.0 68.0 88.0 108.0 102.0 123.0 126.0 22.8 53.0 77.0 191.0 44.0 108.0 115.0 13.8 30.5 64.5 54.0 72.0 88.0 107.0 123.0 126.0 22.4 40.6 62.0 83.0 45.5 63.0 87.0 107.0 115.0 121.0 20.2 41.0 62.0 83.0 48.0 97.0 107.0 138.0 30.0 46.5 63.0 72.0 95.0 107.0 116.0 15.1 34.5 54.0 73.0 52.0 87.0 98.0 95. 24.6 39.5 55.0 70.0 85.0 98.0 108.0 10.7 28.8 46.5 64.0 56.0 70.0 88.0 5.8 19.9 34.0 48.0 62.0 76.0 89.0 99.0 6.8 23.6 40.5 57.0 60.0 70.0 80.0 15.8 29.1 42.5 56.0 68.0 79.0 99.0 6.8 23.6 40.5 57.0 68.0 56.0 65.0 65.0 65.0 65.0 65.0 65.0 65															
32.0 134.0 134.0 45.5 70.0 95.0 120.0 132.0 135.0 135.0 135.0 47.5 77.0 106.0 130.0 32.0 133.0 133.0 133.0 33.0 33.0 38.0 64.0 90.0 116.0 36.0 132.0 132.0 132.0 132.0 132.0 132.0 33.0 38.0 64.0 90.0 116.0 36.0 130.0 130.0 32.0 53.0 74.0 95.0 116.0 132.0 132.0 132.0 33.5 58.0 83.0 108.0 125.0 126.0 128.0 128.0 228.0 28.2 48.0 68.0 88.0 108.0 126.0 128.0 128.0 228.0 29.8 53.0 77.0 101.0 40.0 119.0 122.0 24.8 44.0 63.0 82.0 101.0 120.0 123.0 126.0 228.0 29.8 53.0 77.0 101.0 40.0 119.0 122.0 24.8 44.0 63.0 82.0 101.0 120.0 123.0 126.0 228.3 49.0 72.0 94.0 44.0 108.0 115.0 18.8 36.5 54.0 72.0 89.0 107.0 116.0 121.0 20.2 23.3 44.0 62.0 62.0 62.0 89.0 107.0 116.0 151.1 62.0 83.0 62.0 62.0 89.0 62.0 62.0 89.0 62.0 62.0 89.0 62.0															
32.0 33.0 133.0 40.5 64.0 87.0 110.0 129.0 134.0 134.0 134.0 42.5 70.0 98.0 125.0 34.0 132.0 332.0 332.0 332.0 58.0 80.0 102.0 124.0 133.0 133.0 133.0 33.0 38.0 64.0 90.0 116.0 36.0 130.0 130.0 32.0 53.0 74.0 95.0 116.0 132.0 132.0 332.0 333.0 58.0 83.0 108.0 38.0 125.0 126.0 28.2 48.0 68.0 88.0 108.0 126.0 128.0 128.0 29.8 53.0 77.0 101.0 101.0 122.0 24.8 44.0 63.0 82.0 101.0 120.0 123.0 126.0 26.3 49.0 72.0 94.0 44.0 108.0 115.0 115.0 18.8 36.5 54.0 72.0 89.0 107.0 115.0 121.0 20.2 41.0 62.0 83.0 48.0 97.0 107.0 13.8 30.0 46.5 63.0 79.0 95.0 107.0 115.0 15.1 34.5 54.0 73.0 52.0 37.0 98.0 95.5 24.6 39.5 55.0 70.0 85.0 89.0 108.0 107.2 28.6 45.5 64.0 56.0 79.0 89.0 58.1 19.9 34.0 48.0 62.0 76.0 89.0 99.0 6.8 23.6 45.5 57.0 66.0 79.0 89.0 58.0 58.0 58.0 57.0 45.0 68.0 56.0 65.0 89.0 20.8 32.5 44.5 56.0 68.0 79.0 90.0 19.2 35.0 57.0 68.0 56.0 65.0 89.0 20.8 32.5 44.5 55.0 66.0 75.0 12.0 26.0 40.0 72.0 84.0 40.0 47.5 41.0 42.0 43.5 43.															
34.0 132.0 132.0 36.0 58.0 80.0 102.0 124.0 133.0 133.0 133.0 38.0 64.0 90.0 116.0 36.0 130.0 130.0 32.0 53.0 74.0 95.0 116.0 132.0 132.0 132.0 33.5 58.0 83.0 108.0 38.0 125.0 126.0 28.2 48.0 68.0 88.0 108.0 126.0 128.0 128.0 228.0 29.8 63.0 77.0 101.0 40.0 119.0 122.0 24.8 44.0 63.0 82.0 101.0 120.0 123.0 126.0 226.3 49.0 72.0 94.0 44.0 108.0 115.0 18.8 36.5 54.0 72.0 89.0 107.0 115.0 121.0 202.2 41.0 62.0 83.0 48.0 97.0 107.0 13.8 30.0 46.5 63.0 79.0 95.0 107.0 116.0 151.1 34.5 54.0 73.0 52.0 87.0 89.0 95.5 24.6 39.5 55.0 70.0 85.0 80.0 107.0 28.6 46.5 64.0 56.0 79.0 89.0 5.8 19.9 34.0 48.0 62.0 76.0 89.0 89.0 68.2 32.6 40.5 57.0 64.0 62.0 71.0 12.2 24.7 37.0 49.5 60.0 71.0 81.0 15.1 34.5 30.0 45.0 68.0 56.0 65.0 8.9 20.8 32.5 44.5 55.0 65.0 75.0 12.0 26.0 40.0 72.0 51.0 59.0 6.1 17.3 28.5 39.5 49.0 59.0 68.0 9.0 22.3 35.5 88.0 32.5 39.0 6.1 17.3 28.5 39.5 49.0 59.0 68.0 9.0 22.3 35.5 88.0 32.5 39.0 6.5 11.4 20.2 29.5 38.5 47.0 56.0 50.2 6.2 19.9 31.0 80.0 40.0 47.5 11.4 20.2 29.5 38.5 43.0 49.5 50.2 6.2 19.9 31.0 92.0 28.9 33.0 33.0 33.3 20.3 27.6 33.5 33.5 37.0 8.4 18.0 112.0 6.7 9.0 17.3 23.9 28.0 31.0 6.4 15.1 112.0 6.7 9.0 17.3 23.9 28.0 31.0 6.4 15.1 112.0 6.7 9.0 17.3 23.9 28.0 31.0 6.8 15.0 12.0 17.0 17.0 12.2 29.2 28.8 13.0 11.0 10.0 19.8 22.4 9.1 15.1 19.9 22.9 28.8 13.0 112.0 13.0 13.0 15.0															
38.0 130.0 130.0 32.0 53.0 74.0 95.0 116.0 132.0 132.0 132.0 33.5 58.0 83.0 108.0 40.0 119.0 122.0 24.8 44.0 63.0 82.0 101.0 120.0 128.0 128.0 228.5 53.0 77.0 101.0 44.0 108.0 115.0 18.8 36.5 54.0 72.0 89.0 107.0 115.0 121.0 20.2 41.0 62.0 83.0 48.0 97.0 107.0 13.8 30.0 46.5 63.0 83.0 79.0 95.0 107.0 116.0 15.1 34.5 54.0 73.0 52.0 87.0 98.0 95. 24.6 39.5 55.0 70.0 85.0 89.0 107.0 116.0 15.1 34.5 54.0 73.0 56.0 79.0 89.0 5.8 19.9 34.0 48.0 62.0 76.0 89.0 99.0 6.8 23.6 46.5 64.0 56.0 79.0 89.0 5.8 19.9 34.0 48.0 62.0 76.0 89.0 90.0 19.2 35.0 51.0 64.0 62.0 71.0 12.2 24.7 37.0 49.5 60.0 71.0 81.0 16.4 30.0 45.0 68.0 56.0 65.0 65.0 8.9 20.8 32.5 44.5 55.0 65.0 75.0 12.2 26.0 40.0 72.0 51.0 59.0 6.1 17.3 28.5 39.5 44.0 53.0 62.0 6.2 18.9 31.0 80.0 40.0 47.5 11.4 20.2 22.5 38.5 47.0 56.0 62.0 6.2 18.9 31.0 80.0 40.0 47.5 11.4 20.2 22.5 38.5 47.0 56.0 6.2 6.2 18.9 31.0 92.0 28.9 33.0 6.5 16.6 23.4 31.0 33.5 43.0 62.0 6.2 18.9 31.0 92.0 28.9 33.0 6.5 16.6 23.4 31.0 39.5 43.0 49.5 43.0 49.5 94.0 48.2 75.5 10.9 17.3 23.3 28.0 31.0 35.0 64.0 15.0 100.0 19.8 22.4 9.1 15.1 19.9 22.9 25.8 13.0 104.0 15.1 17.6 7.3 12.4 15.3 18.1 20.9 11.4 108.0 13.0 13.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 16.3 109.0 48.2 75.5 10.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 100.0 19.8 22.4 9.1 15.1 19.9 22.9 25.8 100.0 19.8 22.4 9.1 15.1 19.9 22.9 25.8 100.0 13.0 13.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 16.0 100.0 100.0 100.0 100.0 150.0 100.0 100.0 100.0 150.0															
38.0 125.0 126.0 28.2 48.0 68.0 88.0 108.0 126.0 128.0 128.0 28.8 53.0 77.0 101.0															
### ### ##############################															l l
44.0 108.0 115.0 18.8 36.5 54.0 72.0 89.0 107.0 115.0 121.0 20.2 41.0 62.0 83.0 48.0 97.0 98.0 107.0 116.0 15.1 34.5 54.0 73.0 52.0 87.0 98.0 9.5 24.6 39.5 55.0 70.0 85.0 98.0 108.0 107.7 28.6 46.5 64.0 56.0 79.0 89.0 5.8 19.9 34.0 48.0 62.0 76.0 89.0 99.0 6.8 23.6 40.5 57.0 60.0 70.0 80.0 15.8 29.1 42.5 56.0 68.0 79.0 90.0 19.2 35.0 51.0 64.0 62.0 71.0 12.2 24.7 37.0 49.5 60.0 71.0 81.0 15.4 30.0 45.0 68.0 56.0 65.0 55.0 50.0 8.9 20.8 32.5 44.5 55.0 66.0 75.0 12.0 26.0 40.0 72.0 51.0 59.0 61.1 17.3 28.5 39.5 44.5 55.0 66.0 75.0 12.0 26.0 40.0 90.0 40.0 47.5 14.2 24.7 34.5 44.0 53.0 62.0 6.2 18.9 31.0 60.0 40.0 43.5 88.1 7.9 26.5 35.0 43.0 49.5 13.2 23.6 88.0 32.5 39.0 6.5 11.4 20.2 29.5 38.5 47.0 56.0 15.9 26.5 84.0 36.0 43.5 88.1 7.9 26.5 35.0 43.0 49.5 13.2 23.6 88.0 92.0 28.9 33.0 6.5 13.3 20.3 27.6 33.5 37.0 8.4 18.0 92.0 28.9 33.0 6.5 13.3 20.3 27.6 33.5 37.0 8.4 18.0 92.0 28.9 33.0 6.5 11.4 11.5 11.5 11.5 11.5 11.5 11.5 11															
48.0 97.0 107.0 13.8 30.0 46.5 63.0 79.0 95.0 107.0 116.0 15.1 34.5 54.0 73.0 52.0 87.0 98.0 98.0 95.0 24.8 39.5 55.0 70.0 85.0 98.0 107.0 26.6 46.5 64.0 56.0 79.0 89.0 5.8 19.9 34.0 48.0 62.0 76.0 89.0 99.0 6.8 23.6 40.5 57.0 60.0 70.0 80.0 15.8 29.1 42.5 56.0 68.0 79.0 99.0 6.8 23.6 40.5 57.0 64.0 62.0 71.0 12.2 24.7 37.0 49.5 60.0 71.0 81.0 15.4 30.0 45.0 68.0 56.0 65.0 8.9 20.8 32.5 44.5 55.0 65.0 75.0 12.0 26.0 40.0 72.0 51.0 59.0 6.1 17.3 28.5 39.5 49.0 59.0 68.0 9.0 22.3 35.5 76.0 45.0 53.0 14.2 24.7 34.6 44.0 53.0 62.0 62.2 18.9 31.0 80.0 40.0 47.5 88.8 17.9 26.5 35.0 43.0 49.5 13.2 23.6 88.0 32.5 39.0 6.5 15.6 23.4 31.0 39.5 49.5 13.2 23.6 88.0 32.5 39.0 6.5 15.6 23.4 31.0 39.5 49.5 13.2 23.6 88.0 32.2 39.0 6.5 15.6 23.4 31.0 39.5 49.5 13.0 10.7 20.8 32.0 28.9 33.0 6.5 15.6 23.4 31.0 39.5 49.5 13.0 64.4 15.1 10.0 19.8 22.4 9.1 15.1 19.9 22.9 25.8 13.0 64.4 15.1 10.0 19.8 22.4 9.1 15.1 19.9 22.9 25.8 13.0 64.4 15.1 10.0 19.8 22.4 9.1 15.1 19.9 22.9 25.8 13.0 64.4 15.1 10.0 19.8 22.4 9.1 15.0 15.															
S2.0															
S6.0															
60.0 70.0 80.0 15.8 29.1 42.5 56.0 68.0 79.0 90.0 19.2 35.0 51.0 64.0 62.0 71.0 12.2 24.7 37.0 49.5 60.0 71.0 81.0 15.4 30.0 45.0 66.0 56.0 65.0 8.9 20.8 32.5 44.4 555.0 65.0 75.0 12.0 26.0 40.0 72.0 51.0 59.0 6.1 17.3 28.5 39.5 49.0 59.0 68.0 9.0 22.3 35.5 76.0 45.0 53.0 14.2 24.7 34.5 44.0 53.0 62.0 6.2 18.9 31.0 80.0 40.0 47.5 11.4 20.2 29.5 38.5 47.0 56.0 50.0 15.9 26.5 84.0 36.0 43.5 8.8 17.9 26.5 35.0 43.0 49.5 13.2 23.6 88.0 32.5 39.0 6.5 15.6 23.4 31.0 39.5 43.0 10.7 20.8 88.0 32.5 39.0 6.5 15.6 23.4 31.0 39.5 43.0 10.7 20.8 93.0 10.7 20.8 10.0 19.8 22.4 9.1 15.1 19.9 22.9 25.8 10.0 10.0 19.8 22.4 9.1 15.1 19.9 22.9 25.8 11.1 17.6 10.0 19.8 12.4 15.3 12.0 15.1 17.6 15.0 15.4 8.2 10.9 13.6 16.3 8.1 12.0 11.0 10.0 10.8 13.1 5.4 8.2 10.9 13.6 16.3 8.1 11.0 6.7 9.0 10.0 10.8 13.1 5.4 8.2 10.9 13.6 16.3 8.1 12.0 11.0 11.0 10.0 13.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15															
64.0 62.0 71.0 12.2 24.7 37.0 49.5 60.0 71.0 81.0 15.4 30.0 45.0 68.0 66.0 65.0 65.0 65.0 8.9 20.8 32.5 44.5 65.0 65.0 75.0 12.0 26.0 40.0 72.0 51.0 59.0 6.1 17.3 28.5 39.5 49.0 59.0 68.0 9.0 22.3 35.5 76.0 45.0 53.0 14.2 24.7 34.5 44.0 53.0 62.0 6.2 18.9 31.0 80.0 40.0 47.5 11.4 20.2 29.5 38.5 47.0 56.0 15.9 26.5 84.0 36.0 43.5 8.8 17.9 26.5 35.0 43.0 49.5 13.2 23.6 88.0 32.5 39.0 6.5 15.6 23.4 31.0 39.5 43.0 10.7 20.8 92.0 28.9 33.0 10.7 20.8 92.0 28.9 33.0 13.3 20.3 27.6 33.5 37.0 8.4 18.0 96.0 24.8 27.5 10.9 17.3 23.9 28.0 31.0 6.4 15.1 100.0 19.8 22.4 9.1 15.1 19.9 22.9 25.8 110.0 15.1 17.6 7.3 12.4 15.3 18.1 20.9 11.4 10.0 10.8 13.1 5.4 8.2 10.9 13.6 16.3 8.1 112.0 6.7 9.0 116.0 5.0 10.8 13.1 5.4 8.2 10.9 13.6 16.3 8.1 112.0 6.7 9.0 116.0 5.0 120				5.0								0.0			
68.0 56.0 65.0 8.9 20.8 32.5 44.5 55.0 65.0 75.0 12.0 26.0 40.0 72.0 51.0 59.0 6.1 17.3 28.5 39.5 49.0 59.0 68.0 9.0 22.3 35.5 76.0 45.0 53.0 14.2 24.7 34.5 44.0 53.0 62.0 6.2 18.9 31.0 80.0 40.0 47.5 11.4 20.2 29.5 38.5 47.0 56.0 15.9 26.5 84.0 36.0 43.5 8.8 17.9 26.5 35.0 43.0 49.5 13.2 23.6 88.0 32.5 39.0 6.5 15.6 23.4 31.0 39.5 43.0 10.7 20.8 92.0 28.9 33.0 6.5 15.6 23.4 31.0 39.5 43.0 10.7 20.8 92.0 28.9 33.0 10.7 10.9 17.3 29.9 28.0 31.0 6.4 15.1 100.0 19.8 22.4 9.1 15.1 19.9 22.9 25.8 13.0 10.4 15.1 17.6 10.0 15.1 17.6 7.3 12.4 15.3 18.1 20.9 11.4 10.0 10.8 13.1 5.4 8.2 10.9 13.6 16.3 8.1 11.4 120.0 11.6 6.7 5.0 11.0 15.0 15.0 15.0 15.0 15.0 15.0															
72.0 51.0 59.0 6.1 17.3 28.5 39.5 49.0 59.0 68.0 9.0 22.3 35.5 76.0 45.0 53.0 14.2 24.7 34.5 44.0 53.0 62.0 6.2 18.9 31.0 80.0 40.0 47.5 11.4 20.2 29.5 38.5 47.0 56.0 15.9 26.5 84.0 36.0 43.5 8.8 17.9 26.5 35.0 43.0 49.5 13.2 23.6 88.0 32.5 39.0 6.5 15.6 23.4 31.0 39.5 43.0 10.7 20.8 92.0 28.9 33.0 13.3 20.3 27.6 33.5 37.0 8.4 18.0 96.0 24.8 27.5 10.9 17.3 23.9 28.0 31.0 6.4 15.1 100.0 19.8 22.4 9.1 15.1 19.9 22.9 25.8 13.0 10.4 16.3 13.1 5.4 5.4 8.2 10.9 13.6 16.3 8.1 112.0 6.7 9.0 116.0 5.0 120.0 116.0 5.0 120.0 12															
76.0 45.0 53.0 14.2 24.7 34.5 44.0 53.0 62.0 6.2 18.9 31.0 80.0 40.0 47.5 11.4 20.2 29.5 38.5 47.0 56.0 15.9 26.5 38.0 43.5 88.0 17.9 26.5 35.0 43.0 49.5 13.2 23.6 88.0 32.5 39.0 6.5 15.6 23.4 31.0 39.5 43.0 10.7 20.8 92.0 28.9 33.0 13.3 20.3 27.6 33.5 37.0 84.4 18.0 96.0 24.8 27.5 10.9 17.5 11.1 19.9 22.9 25.8 13.0 10.4 15.1 10.0 19.8 22.4 9.1 15.1 19.9 22.9 25.8 13.0 10.4 15.1 10.0 15.1 17.6 7.3 12.4 15.3 18.1 20.9 11.4 10.0 10.8 13.1 5.4 5.4 8.2 10.9 13.6 16.3 8.1 112.0 6.7 9.0 5.0 110.0 5.0 15.0 15.0 15.0 15.0 15.															
80.0															
84.0 36.0 43.5 8.8 17.9 26.5 35.0 43.0 49.5 13.2 23.6 88.0 32.5 39.0 6.5 15.6 23.4 31.0 39.5 43.0 10.7 20.8 92.0 28.9 33.0 13.3 20.3 27.6 33.5 37.0 8.4 18.0 96.0 24.8 27.5 10.9 17.3 23.9 28.0 31.0 6.4 15.1 100.0 19.8 22.4 9.1 15.1 19.9 22.9 25.8 13.0 104.0 15.1 17.6 7.3 12.4 15.3 18.1 20.9 111.4 108.0 10.8 13.1 5.4 8.2 10.9 13.6 16.3 8.1 112.0 6.7 9.0 1116.0 5.0 5.0 6.8 9.4 12.0 1116.0 5.0 120.0 \$\$ **n** 9 9 7 9 9 9 9 9 9 9 9 7 9 9 9 9 9 9 9	80.0														
88.0 32.5 39.0 6.5 15.6 23.4 31.0 39.5 43.0 10.7 20.8 92.0 28.9 33.0 10.7 10.7 20.8 13.3 20.3 27.6 33.5 37.0 8.4 18.0 19.0 19.8 22.4 9.1 15.1 19.9 22.9 25.8 13.0 10.0 19.8 13.1 17.6 17.3 12.4 15.3 18.1 20.9 11.4 108.0 10.8 13.1 5.4 8.2 10.9 13.6 16.3 8.1 112.0 6.7 9.0 116.0 5.0 5.0 120.	84.0														
96.0 24.8 27.5 10.0 19.8 22.4 9.1 15.1 19.9 22.9 25.8 13.0 10.0 19.8 22.4 9.1 15.1 19.9 22.9 25.8 13.0 10.0 15.1 17.6 10.0 10.8 13.1 5.4 8.2 10.9 13.6 16.3 8.1 112.0 6.7 9.0 116.0 5.0 116.0 5.0 120.	88.0	32.5				6.5	15.6	23.4	31.0	39.5				10.7	
100.0 19.8 22.4 9.1 15.1 19.9 22.9 25.8 13.0 104.0 15.1 17.6 7.3 12.4 15.3 18.1 20.9 11.4 108.0 10.8 13.1 5.4 8.2 10.9 13.6 16.3 8.1 112.0 6.7 9.0 116.0 5.0 5.0 5.0 120.0		28.9	33.0				13.3	20.3	27.6	33.5	37.0			8.4	18.0
104.0 15.1 17.6 108.0 10.8 13.1 5.4 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8		24.8	27.5				10.9	17.3	23.9	28.0	31.0			6.4	15.1
108.0		19.8	22.4				9.1	15.1	19.9	22.9	25.8				13.0
112.0 6.7 9.0 116.0 5.0 6.8 9.4 12.0 5.4 8.0		15.1	17.6				7.3	12.4	15.3	18.1	20.9				11.4
116.0		10.8					5.4	8.2	10.9						8.1
120.0 *n* 9 9 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		6.7							6.8						
n 9 9 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9			5.0							5.4	8.0				
yy	120.0														
300.0 350.0 0.0 50.0 100.0 150.0 200.0 250.0 300.0 350.0 0.0 50.0 100.0 150.0 m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8	* n *	9	9	7	9	9	9	9	9	9	9	7	9	9	9
300.0 350.0 0.0 50.0 100.0 150.0 200.0 250.0 300.0 350.0 0.0 50.0 100.0 150.0 m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8		12.0	12.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	10.0	10.0	10.0	10.0
M/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8															
m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8	_	300.0	330.0	0.0	30.0	100.0	130.0	200.0	230.0	300.0	330.0	0.0	30.0	100.0	130.0
m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8															
m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8															
m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8	_														
m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8															
m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8	_														
m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8															
m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8	- 1-														
HSL2DB 150 150 2z t	0- 10														
123m	Ш m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
123m															
123m						7				^	(An			$\overline{}$	$\overline{}$
123m			HSL2D	В			<u>^</u>		65	AF A			1		
							150	11 ≡7					1		
			123m				t		. =	-	zz t				
		_/\					ι		ι	У	y 111			<u> </u>	



*** 678 LR 1600/2 -- 097949 22.32 typ1: D=28.0 mm B181 6300 CODE >8074< m > < t123.0 123.0 123.0 123.0 m 16.0 140.0 140.0 140.0 140.0 18.0 140.0 140.0 140.0 140.0 20.0 139.0 139.0 139.0 139.0 22.0 139.0 139.0 139.0 139.0 24.0 138.0 138.0 138.0 138.0 26.0 137.0 137.0 137.0 137.0 28.0 136.0 136.0 136.0 136.0 30.0 135.0 135.0 135.0 135.0 32.0 134.0 134.0 134.0 134.0 34.0 134.0 134.0 134.0 134.0 36.0 132.0 132.0 132.0 132.0 38.0 128.0 125.0 128.0 128.0 40.0 117.0 124.0 127.0 127.0 44.0 104.0 116.0 122.0 122.0 48.0 92.0 108.0 117.0 117.0 52.0 82.0 99.0 110.0 111.0 56.0 74.0 90.0 101.0 105.0 60.0 66.0 80.0 92.0 99.0 64.0 59.0 71.0 84.0 93.0 68.0 53.0 65.0 77.0 86.0 72.0 48.0 60.0 71.0 80.0 76.0 42.5 54.0 64.0 72.0 80.0 37.5 47.5 58.0 64.0 84.0 33.5 44.0 52.0 56.0 88.0 40.0 30.0 45.0 49.0 92.0 34.5 42.5 26.5 38.5 96.0 22.9 33.0 29.1 36.5 100.0 20.4 23.9 27.5 31.0 104.0 15.7 19.1 22.5 25.9 108.0 14.6 17.9 11.3 21.1 112.0 7.2 10.4 13.5 16.7 116.0 6.3 9.4 12.4 120.0 5.5 8.4 * n * 9 9 9 9 18.0 18.0 18.0 18.0 уу 200.0 250.0 300.0 350.0 ΖZ 0-10 **⋓** m/s 12.8 12.8 12.8 12.8 HSL2DB 123m



	00/2	00107		t y	рт: D=	-20.0						6/8		22.32
		l m	1 > < t		CO	DE :	>137	70<				B18	1 2E	00
	m 126.0	126.0	126.0	126.0	126.0	126.0	126.0	126.0	126.0	126.0	126.0	126.0	126.0	126.0
16		440.0	4040	1010	1010	1010	1010	1010	22.2	100.0	400.0	400.0	400.0	400.0
18. 20.		116.0 103.0	124.0 123.0	124.0 123.0	124.0 123.0	124.0 123.0	124.0 123.0	124.0 123.0	93.0 82.0	126.0 112.0	132.0 131.0	132.0 131.0	132.0 131.0	132.0 131.0
22	I	92.0	114.0	121.0	121.0	121.0	121.0	121.0	72.0	100.0	128.0	130.0	130.0	130.0
24		82.0	102.0	121.0	121.0	121.0	121.0	121.0	64.0	90.0	116.0	130.0	130.0	130.0
26		74.0	93.0	112.0	120.0	120.0	120.0	120.0	57.0	81.0	105.0	129.0	129.0	129.0
28 30	I	66.0 60.0	84.0 77.0	102.0 94.0	118.0 111.0	118.0 115.0	118.0 118.0	118.0 118.0	50.0 45.0	73.0 66.0	96.0 88.0	119.0 109.0	127.0 123.0	128.0 127.0
32		54.0	70.0	86.0	102.0	112.0	117.0	118.0	40.0	60.0	80.0	101.0	119.0	126.0
34	I	49.0	64.0	79.0	95.0	109.0	117.0	118.0	35.5	55.0	74.0	93.0	112.0	125.0
36		44.0	59.0	73.0	88.0	102.0	116.0	117.0	31.5	49.5	68.0	86.0	105.0	123.0
38		40.0	54.0	68.0	81.0	95.0	109.0	114.0	27.7	45.0	63.0	80.0	98.0	115.0
40 44	I	36.0 29.4	49.5 41.5	63.0 54.0	76.0 66.0	89.0 78.0	102.0 90.0	109.0 99.0	24.4 18.6	41.0 34.0	58.0 49.5	74.0 65.0	91.0 80.0	108.0 95.0
48		23.6	35.0	46.0	57.0	69.0	80.0	89.0	13.7	27.9	42.0	56.0	70.0	85.0
52	.0 8.3	18.7	29.2	39.5	50.0	61.0	71.0	80.0	9.4	22.6	36.0	49.0	62.0	76.0
56		14.5	24.3	34.0	44.0	54.0	63.0	72.0	5.8	18.1	30.5	43.0	55.0	68.0
60		10.7	19.9	29.1	38.5	47.5	56.0	64.0		14.2	25.8	37.5	49.0	61.0
64 68	I	7.5	16.1 12.7	24.8 21.0	33.5 29.2	41.5 37.0	49.0 43.5	56.0 50.0		10.7 7.6	21.6 17.9	32.5 28.3	43.5 38.5	53.0 48.0
72			9.7	17.5	25.3	32.5	39.0	45.5		7.0	14.6	24.5	34.5	43.0
76	I		7.0	14.4	21.8	27.8	34.5	40.5			11.7	21.0	29.8	38.0
80				11.6	18.0	23.3	29.6	35.5			9.0	17.9	25.2	33.5
84				9.1	15.2	20.1	25.9	31.5			6.6	15.1	21.9	29.4
88 92	I			6.8	13.1 10.9	17.8 15.4	23.1 20.3	28.4 25.1				12.6 10.3	19.4 16.9	26.3 23.2
96					8.8	13.1	17.5	21.2				8.2	14.4	20.1
100	.0				6.8	10.8	14.3	16.3				6.2	12.0	16.4
104					5.0	8.0	9.9	11.8					9.4	11.8
108 112							5.7	7.5					5.2	7.6
116														
120														
* n *	6	7	8	8	8	8	8	8	6	8	8	8	8	8
уу	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
ZZ -	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
_														
-														
0-40 m/	/s 12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
		HSL2D	В		7	~		65	P				$\overline{}$	
	[126m				150 t		t	↓ y	zz t				



LR 160	0/2 (09794	.9	ty	p1: D=	=28.0	mm				***	678		22.32
	MM	m) > < t		CO	DE :	>137	70<				B18	1 2E	- 00
m m	126.0	126.0	126.0	126.0	126.0	126.0	126.0	126.0	126.0	126.0	126.0	126.0	126.0	126.0
16.0 18.0	132.0	132.0	95.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0	98.0	130.0 130.0	130.0 130.0	130.0 130.0
20.0	131.0	131.0	84.0	118.0	131.0	131.0	131.0	131.0	131.0	131.0	86.0	127.0	130.0	130.0
22.0	130.0	130.0	74.0	106.0	130.0	130.0	130.0	130.0	130.0	130.0	76.0	114.0	129.0	129.0
24.0 26.0	130.0 129.0	130.0 129.0	65.0 58.0	95.0 86.0	124.0 113.0	130.0 129.0	130.0 129.0	130.0 129.0	130.0 129.0	130.0 129.0	68.0 60.0	103.0 93.0	129.0 126.0	129.0 128.0
28.0	129.0	129.0	52.0	78.0	104.0	129.0	129.0	129.0	129.0	129.0	54.0	93.0 85.0	115.0	126.0
30.0	127.0	127.0	46.0	71.0	95.0	119.0	126.0	127.0	127.0	127.0	48.0	77.0	106.0	124.0
32.0	126.0	126.0	41.0	64.0	87.0	110.0	124.0	125.0	125.0	125.0	43.0	70.0	98.0	121.0
34.0	125.0	125.0	36.5	58.0	80.0	102.0	122.0	124.0	124.0	124.0	38.0	64.0	90.0	116.0
36.0	123.0	123.0	32.5	53.0	74.0	95.0	116.0	123.0	123.0	123.0	34.0	59.0	84.0	108.0
38.0	119.0	120.0	28.7	48.5	69.0	88.0	108.0	119.0	120.0	120.0	30.5	54.0	78.0	101.0
40.0 44.0	115.0	117.0	25.4	44.5	63.0	82.0	102.0	114.0	117.0	117.0	26.9	49.5	72.0	95.0
48.0	106.0 96.0	111.0 106.0	19.5 14.5	37.0 30.5	54.0 47.0	72.0 63.0	89.0 79.0	105.0 95.0	111.0 106.0	114.0 110.0	20.8	41.5 35.0	62.0 54.0	83.0 73.0
52.0	88.0	98.0	10.2	25.3	40.5	55.0	70.0	85.0	98.0	104.0	11.3	29.2	47.0	65.0
56.0	79.0	90.0	6.5	20.6	34.5	48.5	63.0	77.0	89.0	97.0	7.5	24.2	41.0	58.0
60.0	71.0	81.0		16.5	29.7	43.0	56.0	69.0	81.0	89.0	_	19.9	35.5	51.0
64.0	63.0	72.0		12.8	25.3	38.0	50.0	61.0	72.0	82.0		16.1	31.0	45.5
68.0	57.0	65.0		9.6	21.4	33.0	45.0	55.0	65.0	75.0		12.7	26.7	40.5
72.0	51.0	60.0		6.7	17.9	29.2	40.0	50.0	60.0	69.0		9.6	22.9	36.0
76.0 80.0	46.0	54.0			14.8	25.5	35.5	45.0	54.0	63.0		6.9	19.6	32.0
84.0	41.0 36.5	48.5 44.0			12.0	21.4	30.5 26.9	39.5 35.5	48.5	56.0 48.5			16.5	27.6
88.0	33.0	38.0			9.5 7.1	18.3 16.0	24.0	32.0	43.5 38.5	42.0			13.8 11.3	24.1 21.4
92.0	29.3	32.0			5.0	13.8	21.1	28.4	32.5	36.0			9.0	18.7
96.0	23.9	26.6				11.6	18.1	24.0	27.1	30.0			6.9	16.0
100.0	18.9	21.5				9.5	15.4	19.0	22.0	24.9			5.0	13.4
104.0	14.3	16.7				7.8	11.6	14.4	17.2	20.0				11.5
108.0 112.0	9.9	12.3					7.3	10.0	12.8	15.5				7.2
116.0	5.9	8.1						6.0	8.6	11.2				
120.0										7.2				
* n *	8	8	6	8	8	8	8	8	8	8	6	8	8	8
уу —	13.0	13.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	18.0	18.0	18.0	18.0
zz _	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0
_														
0-40 m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
		HSL2D 126m				150 t		65 t	y y	zz t				



*** 678 LR 1600/2 -- 097949 22.32 typ1: D=28.0 mm CODE >1370< B181 2E00 m > < t126.0 126.0 126.0 126.0 m 16.0 130.0 130.0 130.0 130.0 18.0 130.0 130.0 130.0 130.0 20.0 130.0 130.0 130.0 130.0 129.0 22.0 129.0 129.0 129.0 24.0 129.0 129.0 129.0 129.0 26.0 128.0 128.0 128.0 128.0 127.0 28.0 127.0 127.0 127.0 30.0 125.0 125.0 125.0 125.0 32.0 124.0 124.0 124.0 124.0 34.0 122.0 122.0 122.0 122.0 36.0 121.0 121.0 121.0 121.0 38.0 117.0 118.0 118.0 118.0 40.0 116.0 117.0 117.0 112.0 44.0 103.0 111.0 113.0 113.0 48.0 92.0 106.0 109.0 109.0 52.0 83.0 100.0 104.0 105.0 56.0 74.0 91.0 97.0 100.0 60.0 67.0 81.0 91.0 95.0 64.0 60.0 72.0 84.0 90.0 68.0 54.0 66.0 78.0 85.0 72.0 48.5 60.0 72.0 79.0 76.0 43.5 65.0 71.0 55.0 80.0 38.5 49.0 58.0 63.0 84.0 34.5 44.5 51.0 55.0 88.0 40.0 31.0 44.0 48.0 92.0 27.4 41.5 34.0 37.5 96.0 23.9 32.0 28.2 35.5 100.0 19.5 23.1 26.6 30.0 104.0 14.9 18.2 21.6 25.0 108.0 10.5 13.8 17.0 20.3 112.0 9.6 12.7 15.8 6.4 116.0 5.6 8.6 11.7 120.0 7.7 * n * 8 8 8 8 18.0 18.0 18.0 18.0 уу 200.0 250.0 300.0 350.0 ΖZ 0-10 **⋓** m/s 12.8 12.8 12.8 12.8 HSL2DB 126m



LIX 10	00/2	09194	.9	ιy	рт: D=	-20.0	111111					6/8		22.32
		m	1 > < t		CO	DE :	>807	75<				B18	1 64	100
₽ <mark>₩</mark>	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0
18.0	0.88	113.0	116.0	116.0	116.0	116.0	116.0	116.0	91.0	123.0	124.0	124.0	124.0	124.0
20.0	1	100.0	115.0	115.0	115.0	115.0	115.0	115.0	80.0	109.0	123.0	123.0	123.0	123.0
22.0	1	89.0	111.0	113.0	113.0	113.0	113.0	113.0	70.0	98.0	122.0	123.0	123.0	123.0
24.0		80.0	100.0	112.0	112.0	112.0	112.0	112.0	62.0	88.0	113.0	122.0	122.0	122.0
26.0		72.0	91.0	110.0	111.0	111.0	111.0	111.0	55.0	79.0	103.0	121.0	121.0	121.0
28.0		65.0	82.0	100.0	110.0	110.0	110.0	110.0	48.5	71.0	94.0	117.0	120.0	120.0
30.0 32.0		58.0	75.0 68.0	92.0	106.0	108.0 106.0	108.0	108.0	43.0	65.0	86.0	107.0	117.0	119.0
34.0		52.0 47.5	62.0	84.0 78.0	100.0 93.0	106.0	109.0 109.0	109.0 109.0	38.5 34.0	58.0 53.0	79.0 72.0	99.0 91.0	113.0 110.0	119.0 118.0
36.0	1	42.5	57.0	72.0	86.0	104.0	109.0	108.0	29.9	48.0	66.0	85.0	103.0	117.0
38.0		38.5	52.0	66.0	80.0	94.0	107.0	107.0	26.3	43.5	61.0	78.0	96.0	113.0
40.0		34.5	48.0	61.0	74.0	87.0	100.0	102.0	23.0	39.5	56.0	73.0	89.0	106.0
44.0		27.9	40.0	52.0	64.0	76.0	88.0	94.0	17.2	32.5	48.0	63.0	78.0	94.0
48.0	1	22.2	33.5	44.5	56.0	67.0	78.0	86.0	12.3	26.4	40.5	55.0	69.0	83.0
52.0	1	17.4	27.8	38.0	48.5	59.0	69.0	78.0	8.1	21.3	34.5	47.5	61.0	74.0
56.0	1	13.1	22.9	32.5	42.5	52.0	62.0	70.0		16.8	29.1	41.5	54.0	66.0
60.0	0	9.4	18.6	27.7	37.0	46.0	55.0	63.0		12.8	24.4	36.0	47.5	59.0
64.0	0	6.1	14.8	23.4	32.0	40.5	48.0	55.0		9.3	20.3	31.0	42.0	52.0
68.0	0		11.4	19.6	27.8	35.0	42.0	49.0		6.3	16.6	26.9	37.0	46.0
72.0	1		8.4	16.2	23.9	31.0	37.5	44.0			13.3	23.1	33.0	41.5
76.0	1		5.7	13.1	20.5	26.7	33.0	39.5			10.4	19.7	28.4	37.0
80.0				10.3	17.2	22.5	28.4	34.5			7.7	16.6	24.0	32.0
84.0				7.8	13.9	18.5	24.1	30.0			5.3	13.8	19.9	27.7
88.0				5.5	11.9	16.4	21.6	27.0				11.2	17.7	24.8
92.0	1				9.6	14.2	19.0	24.0				8.9	15.5	22.0
96.0	1				7.4	12.0	16.4	18.8				6.8	13.2	18.9
104.0					5.5	9.8 5.6	12.0 7.5	13.9 9.4					11.0 7.0	14.0 9.5
108.0						3.0	7.5	5.2					7.0	5.3
112.0								5.2						5.5
116.0														
120.0	0													
* n *	6	7	7	7	7	7	7	7	6	8	8	8	8	8
_	1													
уу _	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
ZZ _	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
_														
_														
0-40														
0 m/s	s 12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
— 111/	12.0					. 2.0	0		.2.0	.2.0		. 2.0		5
		l												$\overline{}$
		HSL2D	ъ I _			<u>~</u>		65	No.					
		HOL2D	'D			150	11=7							
		129m				150		=		zz t		1		
l	JL				JL	t	JL	t	У	y m	L	J	l	J
					_		_						_	



LR 160	0/2 \	09194	. 9	ιy	ρ i. υ=	=28.0	ШШ				***	6/8		22.32
		m	ı > < t		CO	DE :	>80	75<				B18	1 64	100
m m	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0	129.0
18.0	124.0	124.0	93.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0	96.0	123.0	123.0	123.0
20.0	123.0 123.0	123.0 123.0	81.0 72.0	115.0 103.0	123.0 122.0	123.0 123.0	123.0 123.0	123.0 123.0	123.0 123.0	123.0 123.0	84.0 74.0	123.0 112.0	123.0 122.0	123.0 122.0
24.0	123.0	122.0	64.0	93.0	121.0	122.0	122.0	123.0	122.0	122.0	66.0	101.0	122.0	122.0
26.0	121.0	121.0	56.0	84.0	111.0	121.0	121.0	121.0	121.0	121.0	59.0	91.0	121.0	121.0
28.0	120.0	120.0	50.0	76.0	102.0	121.0	121.0	121.0	121.0	121.0	52.0	83.0	113.0	120.0
30.0	119.0	119.0	44.5	69.0	93.0	116.0	119.0	119.0	119.0	119.0	46.5	75.0	104.0	118.0
32.0 34.0	119.0 118.0	119.0 118.0	39.5 35.0	62.0 57.0	85.0 79.0	108.0	118.0 116.0	119.0 118.0	119.0 118.0	119.0 118.0	41.5 37.0	69.0 63.0	96.0 88.0	116.0 113.0
36.0	117.0	117.0	31.0	52.0	73.0	93.0	114.0	118.0	118.0	118.0	32.5	57.0	82.0	106.0
38.0	114.0	114.0	27.3	47.0	67.0	87.0	107.0	116.0	116.0	116.0	28.9	52.0	76.0	99.0
40.0	110.0	112.0	24.0	43.0	62.0	81.0	100.0	111.0	113.0	113.0	25.5	48.0	70.0	93.0
44.0	102.0	107.0	18.1	35.5	53.0	70.0	88.0	102.0	108.0	110.0	19.5	40.0	61.0	81.0
48.0 52.0	94.0 86.0	102.0 96.0	13.1 8.9	29.3 23.9	45.5 39.0	61.0 54.0	78.0 69.0	93.0 84.0	102.0 96.0	105.0 101.0	14.4	33.5 27.8	53.0 45.5	72.0 63.0
56.0	78.0	88.0	5.2	19.2	33.0	47.5	61.0	75.0	88.0	94.0	6.2	22.9	39.5	56.0
60.0	70.0	79.0		15.1	28.3	41.5	55.0	68.0	79.0	87.0	<u> </u>	18.5	34.0	50.0
64.0	62.0	71.0		11.5	23.9	36.5	49.0	60.0	71.0	80.0		14.7	29.5	44.0
68.0	55.0	64.0		8.3	20.1	32.0	43.5	53.0	63.0	73.0		11.3	25.3	39.0
72.0 76.0	50.0 45.0	58.0		5.4	16.6 13.5	27.8	38.5	48.5	58.0	68.0		8.3 5.6	21.6	35.0
80.0	40.0	53.0 47.5			10.7	24.1 20.8	34.0 29.6	43.5 38.5	53.0 47.5	62.0 54.0		5.6	18.2 15.2	31.0 26.4
84.0	35.0	42.0			8.1	16.9	25.2	34.0	42.0	46.5			12.4	22.2
88.0	32.0	35.5			5.8	14.8	22.5	30.5	36.5	39.5			9.9	19.7
92.0	26.9	29.7				12.6	19.9	27.1	30.5	33.5			7.7	17.3
96.0 100.0	21.5	24.2				10.4	17.2	21.7	24.8	27.8			5.6	14.9
104.0	16.6 11.9	19.1 14.4				8.3 6.4	13.7 9.2	16.7 12.1	19.6 14.9	22.6 17.7				12.5 9.1
108.0	7.6	10.0				0.4	5.0	7.7	10.4	13.2				5.1
112.0		5.9							6.3	8.9				
116.0 120.0														
* n *	8	8	6	8	8	8	8	8	8	8	6	8	8	8
уу —	13.0	13.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	18.0	18.0	18.0	18.0
zz —	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0
_														
_														
o -40														
⋓ m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
		HSL2D 129m				150 t		65 t	y y	zz t				



*** 678 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.32 CODE >8075< B181 6400 m > < t129.0 129.0 129.0 129.0 m 18.0 123.0 123.0 123.0 123.0 20.0 123.0 123.0 123.0 123.0 22.0 122.0 122.0 122.0 122.0 122.0 122.0 24.0 122.0 122.0 26.0 121.0 121.0 121.0 121.0 28.0 120.0 120.0 120.0 120.0 30.0 120.0 120.0 120.0 120.0 32.0 119.0 119.0 119.0 119.0 34.0 118.0 118.0 118.0 118.0 36.0 117.0 117.0 117.0 117.0 38.0 115.0 115.0 115.0 115.0 40.0 110.0 113.0 113.0 113.0 44.0 101.0 108.0 110.0 110.0 48.0 91.0 103.0 106.0 106.0 52.0 81.0 98.0 102.0 102.0 56.0 73.0 89.0 96.0 97.0 60.0 65.0 80.0 89.0 92.0 64.0 59.0 72.0 82.0 87.0 68.0 52.0 64.0 76.0 82.0 72.0 47.5 59.0 70.0 77.0 76.0 42.5 53.0 64.0 69.0 80.0 37.5 48.0 56.0 60.0 84.0 32.5 43.0 48.5 53.0 88.0 29.4 37.5 41.5 45.5 92.0 26.2 31.5 35.5 39.0 96.0 22.2 25.9 29.6 33.0 100.0 17.2 20.7 24.3 27.8 104.0 12.5 15.9 19.3 22.7 108.0 14.7 8.2 11.4 18.0 112.0 7.3 10.4 13.6 116.0 6.4 9.4 120.0 5.5 * n * 8 8 8 8 18.0 18.0 18.0 18.0 уу 200.0 250.0 300.0 350.0 ΖZ 0-10 **⋓** m/s 12.8 12.8 12.8 12.8 HSL2DB 129m



LIX 10	00/2	03134	.9	ιy	рт: D=	-20.0	111111					6/8		22.32
		l m) > < t		CO	DE :	>137	72<				B18	1 2F	- 00
TA L	n 132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0	132.0
18.	0 87.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	90.0	111.0	111.0	111.0	111.0	111.0
20.	1	94.0	94.0	94.0	94.0	94.0	94.0	94.0	79.0	109.0	110.0	110.0	110.0	110.0
22.	1	89.0	92.0	92.0	92.0	92.0	92.0	92.0	70.0	97.0	108.0	108.0	108.0	108.0
24. 26.		80.0	91.0	91.0	91.0	91.0	91.0	91.0	62.0	88.0	107.0	107.0	107.0	107.0
28.	1	72.0 65.0	90.0 82.0	90.0 89.0	90.0 89.0	90.0 89.0	90.0 89.0	90.0 89.0	55.0 49.0	79.0 71.0	103.0 94.0	105.0 104.0	105.0 104.0	105.0 104.0
30.		58.0	75.0	87.0	88.0	88.0	88.0	88.0	43.5	65.0	86.0	104.0	104.0	104.0
32.	1	53.0	68.0	84.0	87.0	88.0	88.0	88.0	38.5	59.0	79.0	98.0	102.0	102.0
34.		47.5	63.0	78.0	87.0	87.0	87.0	87.0	34.0	53.0	72.0	91.0	102.0	102.0
36.	1	43.0	57.0	72.0	86.0	87.0	87.0	87.0	30.0	48.5	66.0	85.0	101.0	101.0
38.		39.0	52.0	66.0	80.0	87.0	87.0	87.0	26.6	44.0	61.0	79.0	96.0	100.0
40.	1	35.0	48.0	61.0	74.0	83.0	84.0	84.0	23.4	40.0	56.0	73.0	90.0	97.0
44.	0 16.3	28.3	40.5	52.0	64.0	76.0	79.0	82.0	17.6	33.0	48.0	63.0	78.0	89.0
48.	1	22.7	34.0	45.0	56.0	67.0	74.0	80.0	12.8	26.9	41.0	55.0	69.0	82.0
52.	1	17.8	28.2	38.5	49.0	59.0	69.0	77.0	8.6	21.7	35.0	48.0	61.0	74.0
56.		13.6	23.3	33.0	43.0	52.0	62.0	70.0	5.0	17.2	29.5	42.0	54.0	66.0
60.	1	9.9	19.1	28.2	37.5	46.5	56.0	63.0		13.3	24.9	36.5	48.0	59.0
64.		6.7	15.3	23.9	32.5	41.0	49.0	56.0		9.9	20.7	31.5	42.5	53.0
68. 72.	1		11.9	20.1	28.2	35.5	42.5	49.0		6.8	17.1	27.4	37.5	46.5
76.	1		8.9 6.2	16.7 13.6	24.4 21.0	31.5 27.4	38.0 33.5	44.5 40.0			13.8 10.9	23.6	33.5 29.3	42.0 37.5
80.	1		0.2	10.8	17.9	23.4	29.3	35.5			8.2	17.1	25.1	33.0
84.				8.3	14.6	19.4	25.0	31.0			5.8	14.3	20.9	28.4
88.	1			6.0	12.2	16.7	21.9	27.4			0.0	11.8	18.1	25.1
92.					10.1	14.7	19.5	23.5				9.5	15.9	22.5
96.	1				8.0	12.6	16.2	18.3				7.4	13.8	18.4
100.	1				6.0	9.5	11.5	13.4				5.4	11.0	13.5
104.						5.1	7.0	8.9					6.5	9.0
108.	1													
112. 116.														
120.	1													
120.														
* n *	5	6	6	6	6	6	6	6	6	7	7	7	7	7
уу	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
ZZ _	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
_														
_														
. 4-														
	s 12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
W 111/	12.0	12.0	14.0	14.0	14.0	14.0	14.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
		l .										$\overline{}$	_	$\overline{}$
			ь Т			<u>~</u>		65	₩			1		1
		HSL2D	'D			150	11=7							
		132m				150	 	▝▀▀▋		zz t				
					JL	t		t	У	y m		J		

132m



*** 678 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.32 CODE >1372< B181 2F00 m > < t132.0 132.0 132.0 132.0 132.0 132.0 132.0 132.0 132.0 132.0 132.0 132.0 132.0 132.0 m 18.0 111.0 111.0 92.0 114.0 114.0 114.0 114.0 114.0 114.0 114.0 95.0 114.0 114.0 114.0 20.0 110.0 110.0 81.0 114.0 114.0 114.0 114.0 114.0 114.0 114.0 84.0 113.0 113.0 113.0 22.0 108.0 108.0 72.0 103.0 113.0 113.0 113.0 113.0 113.0 113.0 74.0 111.0 113.0 113.0 24.0 107.0 107.0 64.0 93.0 112.0 112.0 112.0 112.0 112.0 112.0 66.0 100.0 112.0 112.0 26.0 59.0 91.0 112.0 112.0 105.0 105.0 56.0 84.0 111.0 111.0 111.0 111.0 111.0 111.0 28.0 104.0 50.0 76.0 101.0 52.0 83.0 111.0 104.0 111.0 111.0 111.0 111.0 111.0 111.0 44.5 30.0 103.0 103.0 69.0 93.0 108.0 110.0 110.0 110.0 110.0 46.5 75.0 104.0 110.0 39.5 32.0 102.0 102.0 63.0 85.0 105.0 109.0 109.0 109.0 109.0 41.5 69.0 96.0 109.0 107.0 34.0 102.0 102.0 35.5 57.0 79.0 100.0 108.0 108.0 108.0 108.0 37.0 63.0 88.0 106.0 36.0 108.0 108.0 108.0 108.0 33.0 82.0 101.0 101.0 31.5 52.0 73.0 93.0 57.0 38.0 100.0 100.0 27.7 47.5 67.0 87.0 107.0 107.0 107.0 107.0 29.2 53.0 76.0 99.0 40.0 98.0 98.0 24.3 43.0 62.0 81.0 100.0 102.0 102.0 102.0 25.8 48.0 71.0 93.0 44.0 93.0 97.0 18.5 36.0 53.0 71.0 88.0 96.0 101.0 101.0 19.9 40.5 61.0 82.0 48.0 89.0 95.0 13.6 29.7 45.5 62.0 78.0 90.0 98.0 98.0 14.9 34.0 53.0 72.0 52.0 95.0 95.0 64.0 85.0 93.0 9.4 24.3 39.0 54.0 69.0 83.0 10.5 28.2 46.0 56.0 78.0 86.0 19.7 33.5 47.5 62.0 76.0 88.0 90.0 23.3 40.0 56.0 60.0 70.0 78.0 15.6 28.7 42.0 55.0 68.0 0.08 84.0 19.0 34.5 50.0 64.0 63.0 71.0 12.0 24.4 37.0 49.0 61.0 72.0 79.0 15.2 29.9 44.5 68.0 55.0 64.0 8.8 20.6 32.5 43.5 54.0 64.0 73.0 11.9 25.8 39.5 72.0 50.0 59.0 6.0 17.1 28.2 39.0 49.0 58.0 68.0 8.9 22.1 35.0 76.0 45.5 53.0 14.0 24.6 35.0 44.0 53.0 61.0 6.2 18.7 31.5 80.0 11.2 39.5 48.0 41.0 48.5 21.3 30.5 53.0 15.7 27.3 84.0 8.7 17.9 25.9 34.5 42.5 13.0 22.9 36.0 41.5 46.0 36.0 88.0 32.0 35.0 6.4 15.3 22.8 31.0 39.0 10.5 20.0 92.0 26.4 29.2 13.2 20.3 26.5 29.8 33.0 8.2 17.7 96.0 21.0 23.7 10.9 17.8 21.2 24.2 27.3 6.1 15.5 100.0 16.1 18.6 8.9 13.3 16.2 19.1 22.1 13.2 104.0 13.9 5.9 8.7 11.6 14.4 17.2 8.7 11.4 108.0 7.1 9.5 7.3 10.0 12.7 112.0 5.4 5.9 8.5 116.0 120.0 * n * 7 7 6 7 7 7 7 7 7 7 6 7 7 7 13.0 13.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 18.0 18.0 18.0 18.0 уу 200.0 250.0 300.0 350.0 150.0 ΖZ 300.0 350.0 0.0 50.0 100.0 150.0 0.0 50.0 100.0 **0-40 ∭** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB 150



LR 160	0/2 (09794	9	ty	p1: D=	=28.0	mm				***	678		22.32
	M	m	ı > < t		CO	DE :	>137	72<				B18	1 2F	- 00
m m	132.0	132.0	132.0	132.0										
18.0	114.0	114.0	114.0	114.0										
20.0	113.0 113.0	113.0 113.0	113.0 113.0	113.0 113.0										
24.0	113.0	113.0	113.0	113.0										
26.0	112.0	112.0	112.0	112.0										
28.0	111.0	111.0	111.0	111.0										
30.0	110.0	110.0	110.0	110.0										
32.0 34.0	109.0 107.0	109.0 107.0	109.0 107.0	109.0 107.0										
36.0	107.0	107.0	107.0	107.0										
38.0	105.0	105.0	105.0	105.0										
40.0	101.0	103.0	103.0	103.0										
44.0	95.0	100.0	100.0	100.0										
48.0 52.0	89.0 81.0	97.0 93.0	97.0	97.0										
56.0	73.0	93.0 87.0	93.0 89.0	93.0 89.0										
60.0	66.0	79.0	85.0	86.0										
64.0	59.0	72.0	80.0	82.0										
68.0	52.0	64.0	76.0	79.0										
72.0 76.0	47.5	59.0	70.0	74.0										
80.0	43.0 38.5	54.0 49.0	64.0 55.0	68.0 60.0										
84.0	33.5	43.5	48.0	52.0										
88.0	29.9	37.0	41.0	45.0										
92.0	26.9	31.0	35.0	38.5										
96.0	21.7	25.4	29.0	32.5										
100.0 104.0	16.7	20.2	23.7	27.3 22.2										
108.0	12.0 7.7	15.4 11.0	18.8 14.2	17.5										
112.0		6.8	10.0	13.1										
116.0			5.9	9.0										
120.0				5.1										
* n *	7	7	7	7										
yy	18.0 200.0	18.0 250.0	18.0 300.0	18.0 350.0										
	200.0	250.0	300.0	350.0										
_														
0-40														
m/s	12.8	12.8	12.8	12.8										
		HOLOD	Б		1	<u> </u>	1	65	№ .					
		HSL2D				150	∐ ₌7							
		132m				t		t	■	zz t y m				
	_/\		1		-		/ \				<u> </u>			



	A	MM	m	ı> <t< th=""><th>-,</th><th>CO</th><th></th><th>>807</th><th>76<</th><th></th><th></th><th></th><th>B18</th><th>1 65</th><th>500</th></t<>	-,	CO		>807	76<				B18	1 65	500
	m	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0	135.0
	18.0	85.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	88.0	103.0	103.0	103.0	103.0	103.0
	20.0	74.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	77.0	102.0	102.0	102.0	102.0	102.0
	22.0 24.0	65.0 58.0	85.0 78.0	85.0 84.0	85.0 84.0	85.0 84.0	85.0 84.0	85.0 84.0	85.0 84.0	68.0 60.0	95.0 86.0	100.0 99.0	100.0 99.0	100.0 99.0	100.0 99.0
	26.0	51.0	70.0	83.0	83.0	83.0	83.0	83.0	83.0	53.0	77.0	98.0	98.0	98.0	98.0
	28.0	45.0	63.0	80.0	81.0	81.0	81.0	81.0	81.0	47.0	70.0	92.0	96.0	96.0	96.0
	30.0	40.0	57.0	73.0	80.0	80.0	80.0	80.0	80.0	42.0	63.0	84.0	95.0	95.0	95.0
	32.0	35.0	51.0	67.0	78.0	79.0	79.0	79.0	79.0	37.0	57.0	77.0	92.0	94.0	94.0
	34.0	31.0	46.0	61.0	75.0	79.0	79.0	79.0	79.0	32.5	52.0	71.0	89.0	94.0	94.0
	36.0	27.1	41.5	56.0	70.0	78.0	78.0	78.0	78.0	28.7	47.0	65.0	83.0	93.0	93.0
	38.0 40.0	23.6 20.5	37.5 33.5	51.0 46.5	65.0 60.0	78.0 73.0	78.0 76.0	78.0 76.0	78.0 76.0	25.2 22.0	42.5 38.5	60.0 55.0	77.0 71.0	92.0 88.0	92.0 90.0
	44.0	14.9	26.9	39.0	51.0	63.0	70.0	73.0	76.0	16.3	31.5	46.5	62.0	77.0	84.0
	48.0	10.2	21.3	32.5	43.5	55.0	64.0	69.0	74.0	11.4	25.5	39.5	53.0	68.0	78.0
	52.0	6.1	16.5	26.8	37.0	47.5	58.0	66.0	73.0	7.3	20.3	33.5	46.5	60.0	72.0
	56.0		12.3	22.0	31.5	41.5	51.0	61.0	69.0		15.9	28.1	40.5	53.0	65.0
	60.0		8.6	17.7	26.8	36.0	45.0	54.0	62.0		12.0	23.5	35.0	46.5	58.0
	64.0		5.4	13.9	22.5	31.0	39.5	48.0	55.0		8.6	19.4	30.0	41.0	52.0
	68.0			10.6	18.7	26.8	34.5	41.5	48.0		5.5	15.8	26.0	36.5	45.5
	72.0 76.0			7.6	15.3 12.3	23.0 19.6	29.8 26.2	36.5 32.0	43.0 38.5			12.5 9.6	22.2 18.8	32.0 28.0	40.5 36.0
	80.0				9.5	16.5	22.5	28.0	34.0			6.9	15.8	24.1	31.5
	84.0				7.0	13.7	18.8	23.8	29.6			0.0	13.0	20.2	27.3
	88.0					10.9	15.4	20.0	25.5				10.5	16.7	23.3
	92.0					8.8	13.5	17.8	21.1				8.1	14.7	20.9
	96.0					6.7	11.5	13.9	15.9				6.0	12.7	16.0
	00.0						7.1	9.1	11.1					8.6	11.2
	04.0 08.0								6.6						6.6
	12.0														
	16.0														
* n	*	5	6	6	6	6	6	6	6	6	6	6	6	6	6
W	-	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
уу zz	-	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
	-														
	-														
0-40															
M		40.0	10.0	10.0	100	10.0	40.0	40.0	40.0	40.0	40.0	40.0	100	400	10.0
	m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
ſ						1	Ā		65	No.			1		
			HSL2D	D			150	=7							
			135m				150				₩ _{zz t}				
		JL				JL	t	JL	t	Ìу	y m	I	J	l	J

0-40 m/s

12.8

12.8

12.8

12.8

12.8

12.8



*** 678 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.32 CODE >8076< B181 6500 m > < t135.0 135.0 135.0 135.0 135.0 135.0 135.0 135.0 135.0 135.0 135.0 135.0 135.0 135.0 m 18.0 103.0 103.0 90.0 107.0 107.0 107.0 107.0 107.0 107.0 107.0 93.0 107.0 107.0 107.0 20.0 102.0 102.0 79.0 106.0 106.0 106.0 106.0 106.0 106.0 106.0 82.0 107.0 107.0 107.0 22.0 100.0 100.0 70.0 101.0 105.0 105.0 105.0 105.0 105.0 105.0 72.0 106.0 106.0 106.0 24.0 99.0 99.0 62.0 91.0 104.0 104.0 104.0 104.0 104.0 104.0 64.0 98.0 106.0 106.0 26.0 103.0 103.0 103.0 103.0 103.0 103.0 57.0 89.0 105.0 105.0 98.0 98.0 55.0 82.0 28.0 96.0 48.5 74.0 99.0 102.0 102.0 102.0 102.0 102.0 51.0 81.0 104.0 104.0 96.0 30.0 95.0 95.0 43.0 67.0 91.0 101.0 101.0 101.0 101.0 101.0 45.0 73.0 102.0 103.0 32.0 94.0 94.0 38.0 61.0 84.0 98.0 100.0 100.0 100.0 100.0 40.0 67.0 94.0 103.0 34.0 35.5 87.0 102.0 94.0 94.0 34.0 55.0 77.0 96.0 100.0 100.0 100.0 100.0 61.0 102.0 36.0 31.5 56.0 0.08 93.0 93.0 29.8 50.0 71.0 91.0 99.0 99.0 99.0 99.0 38.0 92.0 92.0 26.2 46.0 65.0 85.0 98.0 98.0 98.0 98.0 27.8 51.0 74.0 98.0 40.0 90.0 90.0 22.9 41.5 60.0 79.0 95.0 96.0 96.0 96.0 24.4 46.5 69.0 91.0 44.0 88.0 90.0 17.2 34.5 52.0 69.0 86.0 91.0 94.0 94.0 18.5 39.0 59.0 80.0 48.0 32.5 70.0 85.0 89.0 12.3 28.2 44.0 60.0 76.0 86.0 92.0 92.0 13.5 51.0 52.0 26.8 44.5 62.0 82.0 88.0 22.9 38.0 53.0 68.0 81.0 90.0 90.0 9.2 56.0 76.0 83.0 18.3 32.0 46.0 60.0 74.0 85.0 86.0 5.5 22.0 38.5 55.0 60.0 69.0 76.0 14.3 27.4 40.5 54.0 67.0 77.0 81.0 17.7 33.0 48.5 64.0 61.0 69.0 10.7 23.0 35.5 47.5 60.0 70.0 76.0 13.9 28.5 43.0 68.0 54.0 63.0 7.5 19.2 31.0 42.5 53.0 63.0 71.0 10.6 24.4 38.5 72.0 48.5 57.0 15.8 26.9 37.5 47.5 57.0 66.0 7.6 20.7 34.0 76.0 44.0 52.0 12.7 23.2 33.5 43.0 52.0 59.0 17.4 29.9 80.0 46.5 9.9 20.0 38.0 47.0 39.5 29.1 51.0 14.4 26.2 84.0 35.0 7.4 17.0 24.8 33.5 40.0 11.6 22.2 39.5 43.5 88.0 29.9 33.0 5.1 14.0 20.9 29.2 33.5 36.5 9.2 18.5 92.0 11.8 24.0 26.8 18.6 24.2 27.4 30.5 6.9 16.4 96.0 18.7 21.3 9.6 15.7 18.8 21.9 24.9 14.3 100.0 13.7 7.5 10.9 10.8 16.2 13.8 16.8 19.7 104.0 11.5 6.4 9.2 12.1 14.9 6.3 9.1 108.0 7.2 7.6 10.4 112.0 6.2 116.0 * n * 6 6 6 7 7 7 7 7 7 7 6 7 7 7 13.0 13.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 18.0 18.0 18.0 18.0 уу 200.0 250.0 300.0 350.0 50.0 150.0 ΖZ 300.0 350.0 0.0 50.0 100.0 150.0 0.0 100.0

HSL2DB -- 150 t t yy m zz t

12.8

12.8

12.8

12.8

12.8

12.8

12.8

12.8



LR 1	600)/2 (09794	.9	ty	p1: D=	=28.0	mm				***	678		22.32
a &		MM	m) > < t		CO	DE :	>80	76<				B18	1 6	500
	, m	135.0	135.0	135.0	135.0										
	18.0	107.0	107.0	107.0	107.0										
	20.0	107.0	107.0	107.0	107.0										
	22.0	106.0	106.0	106.0	106.0										
	24.0 26.0	106.0 105.0	106.0 105.0	106.0 105.0	106.0 105.0										
	28.0	103.0	103.0	103.0	103.0										
	30.0	103.0	103.0	103.0	103.0										
3	32.0	103.0	103.0	103.0	103.0										
	34.0	102.0	102.0	102.0	102.0										
	36.0	102.0	102.0	102.0	102.0										
	38.0	101.0	101.0	101.0	101.0										
	10.0 14.0	99.0	100.0	100.0	100.0										
1	18.0 18.0	92.0 86.0	97.0 94.0	97.0 94.0	97.0 94.0										
	52.0	80.0	91.0	92.0	92.0										
1	56.0	71.0	86.0	88.0	88.0										
6	0.0	64.0	78.0	83.0	84.0										
6	64.0	58.0	71.0	78.0	80.0										
1	0.86	51.0	63.0	74.0	76.0										
	72.0	46.0	58.0	69.0	72.0										
1	76.0	41.5	53.0	61.0	66.0										
	30.0 34.0	37.0	47.5	53.0	57.0										
	38.0	32.5 28.2	41.5 34.5	45.5 38.5	49.5 42.5										
	2.0	24.8	28.6	32.5	36.5										
1	96.0	19.4	23.0	26.7	30.5										
10	0.0	14.3	17.9	21.4	24.9										
)4.0	9.7	13.1	16.5	19.9										
	0.80	5.4	8.7	11.9	15.2										
	12.0			7.6	10.8										
. ''	10.0				6.7										
* n	*	7	7	7	7										
\.\.	\dashv	18.0	18.0	18.0	18.0										
уу zz	\dashv	200.0	250.0	300.0	350.0										
	\dashv	200.0	200.0	000.0	000.0										
	\dashv														
0-40															
M	m/s	12.8	12.8	12.8	12.8										
W	11/5	12.0	12.0	12.0	12.0										
												_	_		_
			HSL2D	_B			<u>~</u>		65	1					
						IIÉ	150	[[]≡7		y L					
			135m				.50		_=		zz t				
						JL	t	JL	t	У	ry m	JL .	J	l	J



LR 1600/2 -- 097949 typ1: D=28.0 mm *** 678 22.32

	<u> </u>		09794		• • • •	P D	=28.0			6/8 22.32					
			m	ı > < t		CO	DE :	>137	74<				B18	1 30	000
F	m	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0
1	18.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	88.0	95.0	95.0	95.0	95.0	95.0
	20.0	75.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	77.0	94.0	94.0	94.0	94.0	94.0
	22.0	66.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	68.0	92.0	92.0	92.0	92.0	92.0
	24.0 26.0	58.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	60.0	86.0	91.0	91.0	91.0	91.0
	28.0	51.0 45.5	70.0 63.0	78.0 77.0	78.0 77.0	78.0 77.0	78.0 77.0	78.0 77.0	78.0 77.0	54.0 47.5	77.0 70.0	91.0 90.0	91.0 90.0	91.0 90.0	91.0 90.0
	30.0	40.5	57.0	73.0	76.0	76.0	76.0	76.0	76.0	42.5	63.0	84.0	89.0	89.0	89.0
	32.0	35.5	51.0	67.0	74.0	76.0	76.0	76.0	76.0	37.5	57.0	77.0	87.0	88.0	88.0
	34.0	31.5	46.5	61.0	73.0	76.0	76.0	76.0	76.0	33.0	52.0	71.0	85.0	88.0	88.0
3	36.0	27.7	42.0	56.0	70.0	76.0	76.0	76.0	76.0	29.3	47.5	65.0	83.0	88.0	88.0
3	38.0	24.3	38.0	51.0	65.0	76.0	76.0	76.0	76.0	25.8	43.0	60.0	77.0	87.0	87.0
	10.0	21.1	34.0	47.0	60.0	73.0	75.0	75.0	75.0	22.6	39.0	55.0	72.0	87.0	87.0
	14.0	15.6	27.5	39.5	51.0	63.0	70.0	72.0	72.0	17.0	32.0	47.0	62.0	77.0	81.0
	18.0	10.9	22.0	33.0	44.0	55.0	64.0	68.0	73.0	12.2	26.1	40.0	54.0	68.0	76.0
	52.0	6.9	17.2	27.5	38.0	48.0	58.0	65.0	72.0	8.0	21.0	34.0	47.0	60.0	71.0
	6.0		13.0	22.6	32.5	42.0	52.0	61.0	69.0		16.6	28.8	41.0	53.0	65.0
	60.0 64.0		9.3	18.4	27.5	36.5	45.5	55.0	62.0		12.7	24.2	35.5	47.0	58.0
	8.0		6.1	14.7 11.3	23.2 19.4	32.0 27.5	40.5 35.5	48.5 42.5	56.0 49.5		9.3 6.2	20.1 16.5	31.0 26.7	41.5 37.0	52.0 47.0
	72.0			8.3	16.0	23.5	30.5	37.0	49.5		0.2	13.2	20.7	32.5	41.0
	76.0			5.6	13.0	20.3	26.8	33.0	39.0			10.3	19.5	28.7	37.0
	30.0			5.0	10.2	17.2	23.3	28.9	35.0			7.6	16.4	25.0	32.5
	34.0				7.7	14.4	19.8	24.8	30.5			5.2	13.6	21.3	28.4
8	38.0				5.4	11.7	16.2	20.8	25.8				11.1	17.6	24.1
9	2.0					9.4	13.9	18.0	20.1				8.8	15.2	20.3
	96.0					7.3	10.8	12.9	14.9				6.6	12.4	15.0
	0.00						6.2	8.1	10.1					7.6	10.2
	04.0								5.6						5.7
	0.80														
	12.0														
	0.0														
* n '	*	5	5	5	5	5	5	5	5	6	6	6	6	6	6
уу	\dashv	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.0	13.0	13.0	13.0	13.0	13.0
ZZ	\dashv	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0
0-40															
W 1	m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
_													$\overline{}$		$\overline{}$
			HSL2D	_B I			~		65	4.9					
			i ISLZD	ادر			150			Ø⊥					
			138m				100		·- -	■ •	zz t				
		_)[JL	t		t	У	ý m				
						_						_			



LR 1600/2 -- 097949 typ1: D=28.0 mm *** 678 22.32

	A	100/2 09/949 typ1: D=28.0 mm										7 1 2 1 2 2 2 2					
MA		MM	m	> < t		CO	DE :	>137	74<				B18	1 30	000		
F	m	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0		
	18.0	95.0	95.0	90.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	93.0	99.0	99.0	99.0		
1	20.0	94.0	94.0	79.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	82.0	99.0	99.0	99.0		
1	22.0 24.0	92.0 91.0	92.0 91.0	70.0 62.0	97.0 91.0	97.0 96.0	97.0 96.0	97.0 96.0	97.0 96.0	97.0 96.0	97.0 96.0	72.0 64.0	98.0 97.0	98.0 97.0	98.0 97.0		
	24.0 26.0	91.0	91.0	55.0	82.0	95.0	95.0	95.0	95.0	95.0	95.0	57.0	89.0	96.0	96.0		
	28.0	90.0	90.0	49.0	74.0	95.0	95.0	95.0	95.0	95.0	95.0	51.0	81.0	95.0	95.0		
	30.0	89.0	89.0	43.5	67.0	91.0	94.0	94.0	94.0	94.0	94.0	45.5	74.0	94.0	94.0		
;	32.0	88.0	88.0	38.5	61.0	84.0	92.0	93.0	93.0	93.0	93.0	40.5	67.0	91.0	92.0		
- ;	34.0	88.0	88.0	34.5	56.0	77.0	91.0	92.0	92.0	92.0	92.0	36.0	61.0	87.0	91.0		
	36.0	88.0	88.0	30.5	51.0	71.0	90.0	91.0	91.0	91.0	91.0	32.0	56.0	80.0	90.0		
	38.0	87.0	87.0	26.8	46.5	66.0	85.0	90.0	90.0	90.0	90.0	28.4	52.0	75.0	89.0		
	40.0	87.0	87.0	23.6	42.0	61.0	80.0	89.0	89.0	89.0	89.0	25.1	47.0	69.0	87.0		
	44.0 48.0	84.0	85.0	17.9	35.0	52.0	69.0	82.0 76.0	86.0	86.0	86.0	19.2	39.5	60.0	80.0		
	52.0	82.0 80.0	83.0 81.0	13.0 8.8	28.9 23.6	45.0 38.5	61.0 53.0	76.0 68.0	82.0 79.0	83.0 80.0	83.0 80.0	14.2 9.9	33.0 27.5	52.0 45.0	71.0 63.0		
1	56.0	76.0	78.0	5.1	19.0	33.0	47.0	61.0	74.0	76.0	76.0	6.2	22.6	39.0	56.0		
	60.0	69.0	73.0	5.1	15.0	28.0	41.0	54.0	67.0	72.0	75.0	٥.٢	18.4	34.0	49.5		
	64.0	62.0	67.0		11.4	23.7	36.0	48.5	61.0	67.0	72.0		14.6	29.2	44.0		
(68.0	55.0	62.0		8.2	19.9	31.5	43.0	54.0	62.0	70.0		11.3	25.1	39.0		
1	72.0	49.0	57.0		5.4	16.5	27.5	38.0	48.0	57.0	66.0		8.3	21.4	34.5		
	76.0	45.0	53.0			13.4	23.9	34.0	43.5	52.0	58.0		5.6	18.1	30.5		
	80.0	40.5	45.5			10.6	20.6	29.9	39.0	46.0	50.0			15.0	27.0		
	84.0	35.0	38.5			8.0	17.7	25.8	34.5	39.0	42.5			12.3	23.3		
	0.88	28.9	32.0			5.7	14.7	21.6	29.0	32.5	35.5			9.8	19.3		
	92.0 96.0	23.0	25.8				12.5	19.0	23.2	26.4	29.6			7.5	16.8		
	00.0	17.7 12.7	20.3 15.3				7.0	14.7 9.9	17.8 12.9	20.9 15.8	23.9 18.7			5.4	14.7 9.8		
	04.0	8.1	10.6				7.0	5.4	8.2	11.1	13.9				5.3		
	08.0	0.1	6.2					0.4	0.2	6.7	9.4				0.0		
1.	12.0									• • •	5.2						
1	16.0																
* n	*	6	6	6	6	6	6	6	6	6	6	6	6	6	6		
- "				0	0	0		0				0	0	-			
уу		13.0	13.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	18.0	18.0	18.0	18.0		
ZZ		300.0	350.0	0.0	50.0	100.0	150.0	200.0	250.0	300.0	350.0	0.0	50.0	100.0	150.0		
0-10	m/s	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8		
	, 0		0	0	0	0	0		0			0	0	0			
			HSL2D	B		7	^_	$) \cap$	65	No.				\bigcap			
			138m				150	∐ ≣²			zz t						
								/ _	,	У.	, ""	<u></u>					



*** 678 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.32 CODE >1374< B181 3000 m > < t138.0 138.0 138.0 138.0 m 18.0 99.0 99.0 99.0 99.0 20.0 99.0 99.0 99.0 99.0 22.0 98.0 98.0 98.0 98.0 24.0 97.0 97.0 97.0 97.0 26.0 96.0 96.0 96.0 96.0 28.0 95.0 95.0 95.0 95.0 30.0 94.0 94.0 94.0 94.0 32.0 92.0 92.0 92.0 92.0 34.0 91.0 91.0 91.0 91.0 36.0 90.0 90.0 90.0 90.0 38.0 89.0 89.0 89.0 89.0 40.0 87.0 87.0 87.0 87.0 44.0 84.0 84.0 84.0 84.0 48.0 81.0 81.0 81.0 81.0 52.0 77.0 78.0 78.0 78.0 56.0 72.0 75.0 75.0 75.0 60.0 65.0 71.0 73.0 73.0 64.0 58.0 66.0 71.0 71.0 68.0 53.0 62.0 69.0 69.0 72.0 46.5 58.0 66.0 66.0 76.0 42.5 53.0 60.0 63.0 80.0 38.0 47.5 52.0 56.0 84.0 33.5 40.5 44.5 48.5 88.0 29.0 33.5 37.5 41.5 92.0 23.8 27.6 31.5 35.5 96.0 18.4 22.0 25.7 29.4 100.0 13.4 16.9 20.4 24.0 104.0 8.7 12.1 15.5 18.9 108.0 7.7 10.9 14.2 112.0 6.7 9.8 116.0 5.7 * n * 6 6 6 6 18.0 18.0 18.0 18.0 уу 200.0 250.0 300.0 350.0 ΖZ 0-10 m/s 12.8 12.8 12.8 12.8 HSL2DB 138m



*** 368 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1376< B181 4CC7 m > < t54.0 54.0 54.0 54.0 54.0 54.0 54.0 54.0 m 306.0 9.0 305.0 306.0 306.0 306.0 306.0 306.0 306.0 10.0 283.0 307.0 307.0 307.0 307.0 307.0 307.0 307.0 11.0 254.0 305.0 308.0 308.0 308.0 308.0 308.0 308.0 229.0 310.0 310.0 12.0 296.0 310.0 310.0 310.0 310.0 14.0 192.0 262.0 307.0 310.0 310.0 310.0 310.0 310.0 16.0 163.0 225.0 275.0 300.0 317.0 317.0 317.0 317.0 285.0 18.0 142.0 196.0 244.0 314.0 316.0 316.0 316.0 20.0 124.0 173.0 220.0 257.0 287.0 297.0 307.0 317.0 22.0 259.0 279.0 110.0 151.0 193.0 229.0 296.0 314.0 24.0 204.0 234.0 260.0 282.0 97.0 134.0 171.0 305.0 26.0 86.0 119.0 153.0 186.0 216.0 240.0 261.0 283.0 28.0 76.0 107.0 138.0 169.0 197.0 221.0 241.0 261.0 30.0 125.0 154.0 180.0 202.0 222.0 68.0 97.0 240.0 32.0 115.0 141.0 167.0 190.0 208.0 226.0 61.0 0.88 34.0 81.0 105.0 130.0 154.0 177.0 195.0 212.0 56.0 36.0 50.0 74.0 97.0 120.0 143.0 165.0 181.0 198.0 38.0 46.0 69.0 90.0 112.0 133.0 154.0 170.0 186.0 40.0 42.0 64.0 84.0 104.0 125.0 145.0 161.0 177.0 44.0 35.5 55.0 73.0 92.0 110.0 128.0 143.0 157.0 48.0 29.5 47.5 65.0 81.0 98.0 115.0 130.0 143.0 52.0 25.6 42.0 58.0 73.0 88.0 103.0 118.0 129.0 * n * 20 20 20 20 21 21 21 21 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0-10 **⋓** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=15.0m 54m

HSLDB2 --54m yy=17.5m

*** 369 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1377< B181 4CC8 m > < t54.0 54.0 54.0 54.0 54.0 54.0 54.0 54.0 m 9.0 305.0 306.0 306.0 306.0 306.0 306.0 306.0 306.0 10.0 283.0 307.0 307.0 307.0 307.0 307.0 307.0 307.0 11.0 254.0 306.0 308.0 308.0 308.0 308.0 308.0 308.0 229.0 299.0 310.0 12.0 310.0 310.0 310.0 310.0 310.0 14.0 192.0 271.0 308.0 312.0 312.0 312.0 312.0 312.0 16.0 163.0 233.0 283.0 311.0 317.0 317.0 317.0 317.0 18.0 142.0 203.0 257.0 304.0 315.0 317.0 317.0 317.0 20.0 124.0 180.0 232.0 274.0 294.0 305.0 317.0 320.0 22.0 272.0 110.0 157.0 203.0 245.0 294.0 315.0 320.0 24.0 180.0 219.0 252.0 279.0 306.0 320.0 97.0 138.0 26.0 86.0 124.0 161.0 199.0 233.0 258.0 283.0 303.0 28.0 76.0 111.0 146.0 181.0 213.0 238.0 261.0 282.0 30.0 133.0 165.0 196.0 219.0 241.0 68.0 101.0 263.0 32.0 121.0 151.0 181.0 205.0 226.0 248.0 61.0 92.0 34.0 84.0 112.0 139.0 167.0 192.0 212.0 232.0 56.0 36.0 50.0 77.0 103.0 129.0 155.0 179.0 198.0 216.0 38.0 46.0 71.0 96.0 120.0 145.0 168.0 186.0 204.0 40.0 42.0 66.0 89.0 112.0 135.0 158.0 177.0 194.0 44.0 35.5 57.0 78.0 99.0 119.0 140.0 157.0 173.0 48.0 29.5 50.0 69.0 88.0 107.0 125.0 143.0 157.0 52.0 25.6 44.0 62.0 79.0 96.0 113.0 129.0 137.0 * n * 20 20 20 20 21 21 21 21 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0-10 **⋓** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=17.5m 54m



*** 370 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1378< B181 4CC9 m > < t54.0 54.0 54.0 54.0 54.0 54.0 54.0 54.0 m 306.0 9.0 305.0 306.0 306.0 306.0 306.0 306.0 306.0 10.0 283.0 307.0 307.0 307.0 307.0 307.0 307.0 307.0 11.0 254.0 307.0 308.0 308.0 308.0 308.0 308.0 308.0 229.0 310.0 310.0 310.0 12.0 302.0 310.0 310.0 310.0 14.0 192.0 280.0 309.0 313.0 313.0 313.0 313.0 313.0 16.0 163.0 241.0 291.0 317.0 318.0 318.0 318.0 318.0 18.0 142.0 210.0 271.0 315.0 317.0 317.0 317.0 317.0 20.0 124.0 186.0 244.0 287.0 301.0 315.0 320.0 320.0 22.0 259.0 285.0 310.0 320.0 110.0 162.0 214.0 320.0 24.0 97.0 143.0 190.0 234.0 267.0 299.0 320.0 320.0 26.0 86.0 128.0 170.0 212.0 247.0 277.0 301.0 312.0 28.0 76.0 115.0 154.0 192.0 227.0 256.0 280.0 299.0 30.0 140.0 176.0 209.0 235.0 260.0 68.0 104.0 285.0 32.0 128.0 161.0 194.0 221.0 245.0 269.0 61.0 95.0 34.0 87.0 118.0 149.0 180.0 207.0 230.0 252.0 56.0 36.0 50.0 0.08 109.0 138.0 167.0 193.0 214.0 235.0 38.0 46.0 74.0 101.0 129.0 156.0 182.0 202.0 222.0 40.0 42.0 69.0 94.0 120.0 146.0 171.0 192.0 211.0 44.0 35.5 60.0 83.0 106.0 129.0 152.0 171.0 189.0 48.0 29.5 52.0 73.0 94.0 115.0 136.0 155.0 163.0 52.0 25.6 46.0 66.0 85.0 104.0 123.0 136.0 136.0 * n * 20 20 20 21 21 21 21 21 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0-10 **⋓** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=20.0m 54m



*** 368 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1379< B181 4DC7 m > < t60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 m 10.0 270.0 304.0 304.0 304.0 304.0 304.0 304.0 304.0 11.0 242.0 305.0 305.0 305.0 305.0 305.0 305.0 305.0 12.0 220.0 298.0 304.0 304.0 304.0 304.0 304.0 304.0 252.0 309.0 309.0 309.0 14.0 184.0 301.0 309.0 309.0 16.0 157.0 217.0 276.0 297.0 306.0 312.0 312.0 312.0 18.0 137.0 190.0 242.0 274.0 299.0 316.0 316.0 316.0 20.0 120.0 168.0 215.0 252.0 285.0 307.0 309.0 309.0 22.0 106.0 150.0 192.0 228.0 260.0 282.0 292.0 301.0 24.0 170.0 205.0 235.0 95.0 133.0 258.0 274.0 290.0 26.0 152.0 183.0 211.0 235.0 84.0 118.0 257.0 277.0 28.0 75.0 106.0 137.0 168.0 196.0 219.0 239.0 259.0 30.0 67.0 96.0 125.0 153.0 180.0 203.0 222.0 241.0 32.0 114.0 140.0 165.0 187.0 205.0 60.0 88.0 223.0 34.0 104.0 129.0 153.0 175.0 192.0 209.0 54.0 0.08 36.0 49.0 73.0 96.0 119.0 142.0 164.0 181.0 197.0 38.0 44.5 68.0 89.0 111.0 132.0 153.0 170.0 186.0 40.0 40.5 62.0 83.0 103.0 124.0 142.0 159.0 174.0 44.0 33.5 54.0 72.0 90.0 109.0 127.0 143.0 157.0 48.0 28.0 46.0 63.0 80.0 97.0 113.0 128.0 141.0 52.0 24.0 40.5 56.0 71.0 87.0 102.0 116.0 128.0 56.0 20.7 35.5 50.0 64.0 78.0 92.0 105.0 117.0 60.0 45.0 58.0 71.0 84.0 93.0 100.0 18.1 31.0 * n * 17 20 20 20 20 21 21 21 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0-40 **⋓** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=15.0m 60m



*** 369 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1380< B181 4DC8 m > < t60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 m 303.0 10.0 270.0 303.0 303.0 303.0 303.0 303.0 303.0 11.0 242.0 304.0 304.0 304.0 304.0 304.0 304.0 304.0 12.0 220.0 299.0 306.0 306.0 306.0 306.0 306.0 306.0 309.0 309.0 309.0 14.0 184.0 261.0 309.0 309.0 309.0 16.0 157.0 225.0 291.0 302.0 312.0 312.0 312.0 312.0 18.0 137.0 197.0 256.0 287.0 314.0 316.0 316.0 316.0 20.0 120.0 174.0 228.0 269.0 304.0 309.0 309.0 309.0 22.0 106.0 155.0 203.0 244.0 278.0 291.0 302.0 313.0 24.0 219.0 272.0 95.0 138.0 179.0 252.0 291.0 310.0 26.0 197.0 228.0 254.0 279.0 84.0 123.0 161.0 303.0 28.0 75.0 110.0 145.0 180.0 211.0 237.0 260.0 283.0 30.0 67.0 100.0 132.0 164.0 195.0 220.0 242.0 263.0 32.0 150.0 179.0 203.0 224.0 60.0 91.0 121.0 244.0 34.0 138.0 166.0 190.0 210.0 229.0 54.0 83.0 111.0 36.0 49.0 76.0 102.0 128.0 154.0 179.0 198.0 216.0 38.0 44.5 70.0 95.0 119.0 143.0 168.0 186.0 204.0 40.0 40.5 65.0 88.0 111.0 134.0 157.0 174.0 191.0 44.0 33.5 56.0 77.0 98.0 118.0 139.0 157.0 172.0 48.0 28.0 48.5 68.0 86.0 105.0 124.0 141.0 155.0 52.0 24.0 42.0 60.0 77.0 95.0 112.0 128.0 142.0 56.0 20.7 37.5 54.0 70.0 86.0 101.0 117.0 129.0 60.0 33.0 48.5 78.0 91.0 100.0 103.0 18.1 63.0 * n * 17 20 20 20 20 21 21 21 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0-40 **⋓** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=17.5m 60m



*** 370 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1381< B181 4DC9 m > < t60.0 60.0 60.0 60.0 60.0 60.0 60.0 60.0 m 303.0 10.0 270.0 303.0 303.0 303.0 303.0 303.0 303.0 11.0 242.0 304.0 304.0 304.0 304.0 304.0 304.0 304.0 12.0 220.0 300.0 306.0 306.0 306.0 306.0 306.0 306.0 309.0 309.0 309.0 14.0 184.0 270.0 309.0 309.0 309.0 16.0 157.0 233.0 293.0 306.0 313.0 313.0 313.0 313.0 18.0 137.0 203.0 265.0 299.0 316.0 317.0 317.0 317.0 20.0 120.0 180.0 239.0 284.0 308.0 312.0 312.0 312.0 213.0 22.0 106.0 161.0 259.0 286.0 299.0 313.0 320.0 24.0 286.0 95.0 143.0 189.0 234.0 264.0 309.0 320.0 169.0 26.0 84.0 210.0 243.0 272.0 301.0 127.0 319.0 28.0 75.0 114.0 153.0 192.0 226.0 254.0 281.0 300.0 30.0 175.0 67.0 104.0 139.0 209.0 236.0 261.0 282.0 32.0 127.0 160.0 193.0 217.0 242.0 60.0 94.0 264.0 34.0 117.0 148.0 179.0 204.0 227.0 249.0 54.0 86.0 36.0 49.0 79.0 108.0 137.0 166.0 192.0 214.0 235.0 38.0 44.5 73.0 100.0 127.0 155.0 180.0 201.0 222.0 40.0 40.5 68.0 93.0 119.0 145.0 169.0 189.0 208.0 44.0 33.5 58.0 82.0 105.0 128.0 151.0 171.0 188.0 48.0 28.0 51.0 72.0 93.0 114.0 135.0 153.0 169.0 52.0 24.0 44.0 64.0 83.0 102.0 122.0 140.0 151.0 56.0 127.0 20.7 39.5 58.0 75.0 93.0 111.0 132.0 60.0 34.5 68.0 85.0 98.0 103.0 103.0 18.1 52.0 * n * 17 20 20 20 21 21 21 21 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0-40 **⋓** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=20.0m 60m

HSLDB2 --66m yy=15.0m

*** 368 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1382< B181 4EC7 m > < t66.0 66.0 66.0 66.0 66.0 66.0 66.0 66.0 m 10.0 299.0 300.0 300.0 300.0 300.0 300.0 300.0 11.0 232.0 301.0 301.0 301.0 301.0 301.0 301.0 301.0 12.0 211.0 287.0 302.0 302.0 302.0 302.0 302.0 302.0 306.0 306.0 14.0 177.0 243.0 290.0 306.0 306.0 306.0 16.0 152.0 210.0 268.0 309.0 309.0 309.0 309.0 309.0 18.0 132.0 184.0 235.0 279.0 292.0 303.0 313.0 313.0 20.0 116.0 163.0 209.0 248.0 275.0 297.0 317.0 317.0 224.0 22.0 103.0 145.0 188.0 255.0 281.0 303.0 306.0 24.0 205.0 92.0 131.0 169.0 234.0 259.0 280.0 289.0 26.0 185.0 212.0 236.0 258.0 82.0 118.0 151.0 272.0 28.0 74.0 106.0 136.0 166.0 191.0 215.0 235.0 255.0 30.0 66.0 96.0 124.0 152.0 178.0 201.0 221.0 239.0 32.0 139.0 187.0 59.0 87.0 113.0 166.0 206.0 224.0 34.0 104.0 128.0 153.0 173.0 191.0 208.0 53.0 79.0 36.0 47.5 96.0 119.0 141.0 161.0 178.0 194.0 72.0 38.0 43.0 66.0 88.0 110.0 132.0 152.0 168.0 184.0 40.0 39.5 61.0 82.0 102.0 123.0 143.0 159.0 174.0 44.0 32.0 52.0 71.0 90.0 108.0 125.0 140.0 154.0 48.0 26.9 44.5 63.0 79.0 96.0 112.0 127.0 140.0 52.0 22.8 39.0 55.0 70.0 86.0 101.0 114.0 127.0 56.0 19.4 33.5 49.0 63.0 77.0 91.0 104.0 116.0 60.0 15.7 43.5 57.0 70.0 83.0 95.0 106.0 29.3 64.0 13.6 52.0 64.0 76.0 87.0 26.1 39.5 98.0 * n * 15 20 20 20 20 20 21 21 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0-40 **⋓** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=15.0m 66m



*** 369 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1383< B181 4EC8 m > < t66.0 66.0 66.0 66.0 66.0 66.0 66.0 66.0 m 10.0 299.0 300.0 300.0 300.0 300.0 300.0 300.0 11.0 232.0 301.0 301.0 301.0 301.0 301.0 301.0 301.0 12.0 211.0 297.0 302.0 302.0 302.0 302.0 302.0 302.0 177.0 306.0 306.0 14.0 252.0 296.0 306.0 306.0 306.0 16.0 152.0 217.0 283.0 309.0 309.0 309.0 309.0 309.0 18.0 132.0 190.0 249.0 285.0 300.0 313.0 313.0 313.0 20.0 116.0 169.0 222.0 262.0 291.0 316.0 317.0 317.0 151.0 22.0 103.0 199.0 240.0 274.0 302.0 306.0 306.0 24.0 219.0 279.0 92.0 136.0 179.0 252.0 289.0 300.0 289.0 26.0 198.0 230.0 255.0 82.0 122.0 160.0 272.0 28.0 74.0 110.0 144.0 179.0 208.0 232.0 255.0 278.0 30.0 66.0 99.0 131.0 163.0 194.0 218.0 239.0 261.0 32.0 120.0 149.0 179.0 203.0 224.0 59.0 90.0 244.0 34.0 110.0 138.0 165.0 189.0 208.0 228.0 53.0 82.0 36.0 47.5 76.0 102.0 127.0 153.0 176.0 194.0 213.0 38.0 43.0 69.0 94.0 118.0 143.0 166.0 184.0 202.0 40.0 39.5 64.0 87.0 110.0 133.0 156.0 174.0 191.0 44.0 32.0 55.0 76.0 97.0 117.0 138.0 154.0 170.0 48.0 26.9 47.0 67.0 86.0 104.0 123.0 140.0 155.0 52.0 22.8 41.0 59.0 76.0 94.0 111.0 127.0 140.0 56.0 19.4 36.0 53.0 69.0 85.0 100.0 116.0 128.0 60.0 15.7 47.0 62.0 77.0 92.0 106.0 118.0 31.0 64.0 13.6 27.7 42.5 57.0 70.0 84.0 98.0 105.0 * n * 15 20 20 20 20 21 21 21 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0-40 **⋓** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=17.5m 66m

HSLDB2 --66m yy=20.0m

*** 370 22.30 LR 1600/2 -- 097949 typ1: D=28.0 mm CODE >1384< B181 4EC9 m > < t66.0 66.0 66.0 66.0 66.0 66.0 66.0 66.0 m 10.0 299.0 300.0 300.0 300.0 300.0 300.0 300.0 11.0 232.0 301.0 301.0 301.0 301.0 301.0 301.0 301.0 12.0 211.0 302.0 302.0 302.0 302.0 302.0 302.0 302.0 177.0 306.0 306.0 14.0 260.0 303.0 306.0 306.0 306.0 16.0 152.0 225.0 298.0 309.0 309.0 309.0 309.0 309.0 18.0 132.0 197.0 263.0 292.0 308.0 312.0 312.0 312.0 20.0 116.0 175.0 234.0 276.0 307.0 315.0 315.0 315.0 156.0 22.0 103.0 210.0 256.0 291.0 303.0 310.0 310.0 24.0 268.0 285.0 92.0 141.0 189.0 234.0 299.0 311.0 26.0 82.0 211.0 245.0 268.0 288.0 127.0 169.0 307.0 28.0 74.0 114.0 152.0 190.0 222.0 250.0 276.0 301.0 30.0 66.0 103.0 138.0 174.0 208.0 234.0 259.0 283.0 32.0 127.0 160.0 193.0 219.0 243.0 59.0 94.0 265.0 34.0 116.0 147.0 178.0 203.0 226.0 247.0 53.0 86.0 36.0 47.5 79.0 107.0 136.0 165.0 189.0 211.0 231.0 38.0 43.0 72.0 100.0 127.0 154.0 179.0 200.0 220.0 40.0 39.5 67.0 93.0 118.0 144.0 169.0 189.0 208.0 44.0 32.0 57.0 81.0 104.0 127.0 149.0 167.0 185.0 48.0 26.9 49.5 71.0 92.0 113.0 134.0 153.0 169.0 52.0 22.8 43.0 63.0 82.0 101.0 121.0 138.0 153.0 56.0 127.0 19.4 38.0 56.0 74.0 92.0 110.0 138.0 60.0 15.7 67.0 84.0 100.0 116.0 123.0 33.0 51.0 64.0 13.6 61.0 77.0 92.0 105.0 106.0 29.2 46.0 * n * 15 20 20 20 20 21 21 21 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0-40 **⋓** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=20.0m 66m

HSLDB2 --72m yy=15.0m

*** 368 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1385< B181 4FC7 m > < t72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 m 11.0 222.0 290.0 293.0 293.0 293.0 293.0 293.0 293.0 12.0 202.0 276.0 294.0 294.0 294.0 294.0 294.0 294.0 14.0 171.0 235.0 287.0 295.0 295.0 295.0 295.0 295.0 146.0 299.0 16.0 203.0 259.0 293.0 299.0 299.0 299.0 18.0 127.0 178.0 228.0 279.0 292.0 295.0 295.0 295.0 20.0 112.0 158.0 203.0 249.0 271.0 284.0 297.0 306.0 22.0 99.0 141.0 183.0 220.0 250.0 273.0 294.0 306.0 24.0 127.0 0.88 165.0 201.0 231.0 255.0 277.0 292.0 26.0 236.0 79.0 115.0 151.0 184.0 212.0 257.0 273.0 105.0 28.0 167.0 193.0 217.0 236.0 72.0 136.0 253.0 30.0 64.0 94.0 123.0 151.0 174.0 198.0 216.0 234.0 32.0 58.0 86.0 112.0 139.0 163.0 185.0 203.0 221.0 34.0 103.0 127.0 152.0 173.0 191.0 52.0 78.0 207.0 36.0 95.0 118.0 141.0 161.0 179.0 46.5 71.0 194.0 38.0 42.0 88.0 109.0 130.0 149.0 166.0 181.0 65.0 40.0 38.5 60.0 81.0 102.0 122.0 140.0 157.0 171.0 44.0 31.0 51.0 70.0 89.0 107.0 125.0 141.0 154.0 48.0 25.7 43.5 61.0 78.0 95.0 109.0 125.0 137.0 52.0 21.5 37.5 54.0 69.0 85.0 100.0 114.0 126.0 56.0 18.1 32.0 47.0 62.0 76.0 90.0 103.0 114.0 60.0 14.4 27.8 42.0 56.0 69.0 81.0 93.0 104.0 64.0 12.0 24.5 37.5 50.0 63.0 74.0 85.0 96.0 68.0 10.1 21.7 33.0 45.5 57.0 68.0 78.0 89.0 72.0 8.1 19.5 30.0 42.0 53.0 62.0 68.0 73.0 * n * 14 19 19 19 19 19 19 20 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0-40 m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=15.0m 72m

HSLDB2 --72m yy=17.5m

*** 369 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1386< B181 4FC8 m > < t72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 m 11.0 222.0 292.0 293.0 293.0 293.0 293.0 293.0 293.0 12.0 202.0 286.0 294.0 294.0 294.0 294.0 294.0 294.0 14.0 171.0 243.0 290.0 297.0 297.0 297.0 297.0 297.0 146.0 300.0 16.0 210.0 273.0 300.0 300.0 300.0 300.0 18.0 127.0 242.0 290.0 295.0 295.0 295.0 295.0 184.0 20.0 112.0 164.0 215.0 263.0 280.0 296.0 306.0 306.0 22.0 99.0 146.0 194.0 236.0 266.0 292.0 306.0 306.0 24.0 88.0 132.0 175.0 216.0 248.0 274.0 293.0 297.0 26.0 79.0 120.0 160.0 197.0 228.0 254.0 274.0 284.0 109.0 28.0 144.0 178.0 209.0 234.0 254.0 72.0 270.0 30.0 64.0 98.0 130.0 162.0 190.0 213.0 235.0 256.0 32.0 58.0 89.0 119.0 149.0 177.0 201.0 222.0 242.0 34.0 109.0 137.0 188.0 52.0 81.0 165.0 208.0 227.0 36.0 101.0 127.0 153.0 176.0 195.0 46.5 74.0 213.0 38.0 42.0 93.0 118.0 142.0 163.0 182.0 198.0 68.0 40.0 38.5 63.0 86.0 109.0 132.0 154.0 172.0 188.0 44.0 31.0 54.0 75.0 96.0 116.0 137.0 155.0 170.0 48.0 25.7 45.5 66.0 85.0 103.0 122.0 137.0 152.0 52.0 21.5 39.5 58.0 75.0 93.0 110.0 126.0 139.0 56.0 18.1 34.0 51.0 68.0 83.0 99.0 114.0 127.0 60.0 14.4 29.4 45.5 61.0 76.0 90.0 104.0 116.0 64.0 12.0 83.0 96.0 107.0 26.0 41.0 55.0 69.0 68.0 10.1 37.0 50.0 76.0 88.0 98.0 23.2 63.0 72.0 8.1 20.9 33.0 46.5 58.0 66.0 73.0 76.0 * n * 14 19 19 19 19 19 20 20 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0-40 m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=17.5m 72m

HSLDB2 --72m yy=20.0m

*** 370 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1387< B181 4FC9 m > < t72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 m 11.0 222.0 293.0 293.0 293.0 293.0 293.0 293.0 293.0 12.0 202.0 294.0 294.0 294.0 294.0 294.0 294.0 294.0 14.0 171.0 251.0 292.0 297.0 297.0 297.0 297.0 297.0 146.0 300.0 16.0 218.0 283.0 300.0 300.0 300.0 300.0 18.0 127.0 191.0 255.0 292.0 298.0 298.0 298.0 298.0 20.0 112.0 170.0 227.0 271.0 290.0 306.0 306.0 306.0 22.0 99.0 152.0 205.0 250.0 282.0 306.0 306.0 306.0 24.0 137.0 0.88 186.0 230.0 263.0 292.0 297.0 297.0 26.0 271.0 79.0 124.0 168.0 210.0 243.0 282.0 294.0 28.0 190.0 223.0 250.0 268.0 286.0 72.0 113.0 152.0 30.0 64.0 102.0 138.0 173.0 203.0 229.0 253.0 278.0 32.0 58.0 93.0 126.0 159.0 191.0 216.0 239.0 262.0 34.0 146.0 177.0 203.0 225.0 52.0 85.0 116.0 247.0 36.0 107.0 136.0 164.0 190.0 46.5 77.0 211.0 232.0 38.0 42.0 71.0 99.0 126.0 153.0 176.0 197.0 217.0 40.0 38.5 65.0 92.0 117.0 143.0 167.0 187.0 206.0 44.0 31.0 56.0 80.0 103.0 126.0 149.0 168.0 186.0 48.0 25.7 48.0 70.0 91.0 112.0 133.0 150.0 166.0 52.0 21.5 41.5 62.0 81.0 100.0 120.0 137.0 153.0 56.0 18.1 36.5 55.0 73.0 91.0 108.0 125.0 140.0 60.0 14.4 31.0 49.0 66.0 82.0 99.0 115.0 127.0 64.0 12.0 60.0 75.0 91.0 106.0 115.0 27.6 44.0 68.0 10.1 24.6 40.0 55.0 69.0 84.0 97.0 101.0 72.0 8.1 22.2 36.5 50.0 63.0 71.0 76.0 76.0 * n * 14 19 19 19 19 20 20 20 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0-40 m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=20.0m 72m

HSLDB2 --78m yy=15.0m

*** 368 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1388< B181 50C7 m > < t78.0 78.0 78.0 78.0 78.0 78.0 78.0 78.0 m 12.0 195.0 267.0 273.0 273.0 273.0 273.0 273.0 273.0 14.0 165.0 228.0 275.0 275.0 275.0 275.0 275.0 275.0 16.0 142.0 197.0 252.0 272.0 277.0 277.0 277.0 277.0 280.0 18.0 124.0 174.0 223.0 269.0 280.0 280.0 280.0 20.0 109.0 154.0 199.0 244.0 264.0 271.0 271.0 271.0 22.0 97.0 138.0 179.0 220.0 246.0 261.0 274.0 285.0 24.0 87.0 124.0 162.0 197.0 227.0 250.0 271.0 287.0 26.0 113.0 211.0 78.0 148.0 183.0 233.0 253.0 270.0 28.0 167.0 217.0 236.0 70.0 103.0 136.0 194.0 253.0 124.0 30.0 152.0 178.0 200.0 218.0 64.0 94.0 235.0 32.0 57.0 85.0 113.0 139.0 161.0 184.0 201.0 218.0 34.0 51.0 78.0 103.0 128.0 151.0 172.0 189.0 206.0 36.0 118.0 141.0 178.0 46.5 71.0 95.0 161.0 195.0 38.0 42.0 88.0 109.0 131.0 151.0 168.0 183.0 65.0 40.0 60.0 81.0 102.0 122.0 140.0 157.0 172.0 38.0 44.0 31.0 51.0 71.0 89.0 107.0 124.0 140.0 154.0 48.0 25.7 43.5 61.0 78.0 95.0 111.0 126.0 139.0 52.0 21.5 37.5 54.0 70.0 85.0 98.0 112.0 125.0 56.0 18.0 32.0 47.0 62.0 76.0 90.0 103.0 115.0 60.0 14.3 27.7 42.0 56.0 69.0 81.0 93.0 105.0 64.0 11.9 24.4 37.5 50.0 62.0 74.0 85.0 96.0 68.0 9.9 21.5 57.0 68.0 78.0 89.0 33.0 45.5 72.0 8.0 29.5 41.5 52.0 62.0 72.0 81.0 19.0 76.0 57.0 6.2 16.2 26.9 38.0 48.0 66.0 76.0 * n * 12 17 18 18 18 18 18 18 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0-40 m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=15.0m 78m

HSLDB2 --78m yy=17.5m

*** 369 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1389< B181 50C8 m > < t78.0 78.0 78.0 78.0 78.0 78.0 78.0 78.0 m 12.0 195.0 271.0 273.0 273.0 273.0 273.0 273.0 273.0 14.0 165.0 236.0 275.0 275.0 275.0 275.0 275.0 275.0 16.0 142.0 205.0 261.0 277.0 277.0 277.0 277.0 277.0 280.0 18.0 124.0 180.0 236.0 280.0 280.0 280.0 280.0 20.0 109.0 160.0 211.0 260.0 269.0 277.0 283.0 283.0 22.0 97.0 143.0 190.0 236.0 256.0 273.0 286.0 286.0 24.0 87.0 129.0 172.0 211.0 243.0 269.0 288.0 288.0 26.0 118.0 78.0 157.0 196.0 226.0 251.0 271.0 275.0 28.0 179.0 209.0 70.0 107.0 144.0 234.0 253.0 263.0 30.0 163.0 192.0 216.0 236.0 250.0 64.0 98.0 131.0 32.0 57.0 89.0 119.0 149.0 175.0 199.0 219.0 238.0 34.0 51.0 81.0 110.0 137.0 164.0 187.0 207.0 225.0 36.0 101.0 153.0 176.0 46.5 74.0 127.0 195.0 213.0 38.0 42.0 118.0 142.0 165.0 183.0 68.0 93.0 201.0 40.0 87.0 110.0 133.0 154.0 172.0 188.0 38.0 62.0 44.0 31.0 53.0 75.0 96.0 117.0 137.0 154.0 170.0 48.0 25.7 45.5 66.0 85.0 104.0 122.0 139.0 154.0 52.0 21.5 39.5 58.0 76.0 93.0 109.0 125.0 138.0 56.0 18.0 34.0 51.0 68.0 84.0 99.0 115.0 127.0 60.0 14.3 29.3 45.5 61.0 76.0 91.0 105.0 117.0 64.0 11.9 25.9 40.5 55.0 69.0 83.0 96.0 107.0 68.0 9.9 50.0 63.0 76.0 0.88 99.0 22.9 37.0 72.0 8.0 20.4 45.5 58.0 70.0 81.0 91.0 32.5 76.0 6.2 18.3 29.5 42.0 54.0 64.0 76.0 78.0 * n * 12 17 18 18 18 18 19 19 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0-40 m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=17.5m 78m

HSLDB2 --78m yy=20.0m

*** 370 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1390< B181 50C9 m > < t78.0 78.0 78.0 78.0 78.0 78.0 78.0 78.0 m 272.0 12.0 195.0 272.0 272.0 272.0 272.0 272.0 272.0 14.0 165.0 244.0 274.0 274.0 274.0 274.0 274.0 274.0 16.0 142.0 212.0 266.0 277.0 277.0 277.0 277.0 277.0 280.0 18.0 124.0 187.0 249.0 280.0 280.0 280.0 280.0 20.0 109.0 166.0 222.0 264.0 273.0 283.0 283.0 283.0 22.0 97.0 149.0 201.0 245.0 266.0 285.0 286.0 286.0 24.0 87.0 134.0 182.0 226.0 258.0 286.0 288.0 288.0 26.0 78.0 122.0 166.0 210.0 241.0 268.0 275.0 275.0 28.0 250.0 70.0 112.0 152.0 191.0 224.0 262.0 272.0 30.0 102.0 174.0 207.0 231.0 249.0 64.0 138.0 263.0 32.0 57.0 93.0 126.0 159.0 190.0 213.0 236.0 255.0 34.0 51.0 84.0 116.0 147.0 178.0 201.0 223.0 243.0 36.0 107.0 136.0 165.0 189.0 46.5 77.0 211.0 230.0 38.0 42.0 126.0 153.0 178.0 199.0 217.0 71.0 99.0 40.0 92.0 118.0 143.0 167.0 186.0 205.0 38.0 65.0 44.0 31.0 56.0 0.08 103.0 126.0 149.0 167.0 185.0 48.0 25.7 48.0 70.0 91.0 112.0 133.0 152.0 168.0 52.0 21.5 41.5 62.0 81.0 101.0 120.0 136.0 151.0 56.0 18.0 36.5 55.0 73.0 91.0 109.0 126.0 140.0 60.0 14.3 31.0 49.0 66.0 83.0 99.0 115.0 128.0 64.0 11.9 27.4 44.0 60.0 75.0 91.0 105.0 117.0 68.0 9.9 55.0 69.0 83.0 98.0 104.0 24.4 40.0 72.0 8.0 21.7 36.0 50.0 64.0 77.0 91.0 91.0 76.0 6.2 19.6 32.5 46.5 59.0 72.0 78.0 78.0 * n * 12 17 18 18 18 18 19 19 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0-40 m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=20.0m 78m



*** 368 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 B181 51C7 CODE >1391< m > < t84.0 84.0 84.0 84.0 84.0 84.0 84.0 m 84.0 12.0 188.0 257.0 259.0 259.0 259.0 259.0 259.0 259.0 14.0 159.0 220.0 262.0 262.0 262.0 262.0 262.0 262.0 16.0 137.0 191.0 245.0 259.0 264.0 264.0 264.0 264.0 266.0 18.0 120.0 168.0 216.0 253.0 266.0 266.0 266.0 20.0 106.0 149.0 193.0 237.0 262.0 264.0 264.0 264.0 22.0 94.0 134.0 174.0 214.0 243.0 252.0 261.0 268.0 24.0 84.0 121.0 158.0 195.0 223.0 240.0 255.0 269.0 26.0 266.0 75.0 109.0 144.0 178.0 205.0 228.0 248.0 28.0 191.0 68.0 100.0 132.0 164.0 213.0 232.0 250.0 30.0 151.0 176.0 198.0 217.0 61.0 91.0 121.0 234.0 32.0 55.0 84.0 112.0 138.0 162.0 183.0 202.0 218.0 34.0 50.0 76.0 102.0 127.0 148.0 169.0 187.0 202.0 36.0 117.0 138.0 158.0 45.0 70.0 94.0 176.0 191.0 38.0 40.5 109.0 130.0 149.0 166.0 64.0 87.0 181.0 40.0 37.0 101.0 121.0 139.0 157.0 171.0 58.0 80.0 44.0 29.5 49.0 69.0 88.0 106.0 121.0 138.0 151.0 48.0 24.5 42.0 60.0 77.0 94.0 109.0 125.0 137.0 52.0 20.3 36.5 52.0 69.0 84.0 98.0 112.0 125.0 56.0 15.9 30.5 45.5 61.0 75.0 87.0 100.0 112.0 60.0 13.1 26.4 40.5 55.0 68.0 80.0 92.0 104.0 64.0 10.6 23.0 36.0 48.5 62.0 72.0 84.0 95.0 68.0 8.5 55.0 65.0 76.0 86.0 20.1 31.5 44.0 72.0 6.5 16.7 28.0 40.0 51.0 60.0 70.0 80.0 76.0 14.6 25.2 36.5 46.0 55.0 65.0 74.0 80.0 12.8 22.8 32.5 42.0 51.0 60.0 65.0 84.0 11.2 44.0 48.0 20.9 29.8 39.5 48.5 * n * 12 16 17 17 17 17 17 17 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0**-40** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=15.0m 84m



*** 369 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1392< B181 51C8 m > < t84.0 84.0 84.0 84.0 84.0 84.0 84.0 m 84.0 12.0 188.0 258.0 259.0 259.0 259.0 259.0 259.0 259.0 14.0 159.0 228.0 262.0 262.0 262.0 262.0 262.0 262.0 16.0 137.0 198.0 253.0 263.0 264.0 264.0 264.0 264.0 266.0 18.0 120.0 174.0 229.0 263.0 266.0 266.0 266.0 20.0 106.0 205.0 255.0 263.0 266.0 266.0 155.0 266.0 22.0 94.0 139.0 185.0 230.0 249.0 260.0 269.0 270.0 24.0 84.0 126.0 168.0 210.0 235.0 254.0 270.0 272.0 26.0 153.0 75.0 114.0 192.0 221.0 246.0 267.0 271.0 28.0 206.0 230.0 68.0 104.0 140.0 177.0 251.0 258.0 30.0 192.0 215.0 235.0 246.0 61.0 95.0 129.0 162.0 32.0 55.0 88.0 119.0 148.0 177.0 199.0 219.0 233.0 34.0 50.0 80.0 109.0 136.0 162.0 184.0 203.0 221.0 36.0 100.0 151.0 173.0 191.0 45.0 73.0 126.0 209.0 38.0 40.5 117.0 141.0 163.0 181.0 199.0 67.0 93.0 40.0 37.0 61.0 86.0 109.0 132.0 153.0 171.0 188.0 44.0 29.5 52.0 74.0 95.0 116.0 134.0 151.0 166.0 48.0 24.5 44.0 64.0 84.0 103.0 121.0 137.0 152.0 52.0 20.3 38.5 57.0 75.0 92.0 109.0 125.0 138.0 56.0 15.9 32.5 49.5 67.0 83.0 97.0 112.0 124.0 60.0 13.1 28.0 44.0 60.0 75.0 89.0 103.0 115.0 64.0 10.6 24.5 39.5 54.0 68.0 81.0 95.0 106.0 68.0 8.5 62.0 74.0 86.0 97.0 21.5 34.5 48.5 72.0 6.5 31.0 44.0 57.0 68.0 80.0 88.0 18.9 76.0 15.8 27.7 40.5 52.0 63.0 74.0 79.0 80.0 13.9 25.2 37.0 47.5 58.0 64.0 67.0 84.0 12.5 23.2 42.5 48.5 33.5 47.0 48.5 * n * 12 16 17 17 17 17 17 17 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0**-40** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=17.5m 84m



*** 370 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 B181 51C9 CODE >1393< m > < t84.0 84.0 84.0 84.0 84.0 84.0 84.0 m 84.0 12.0 188.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 14.0 159.0 236.0 262.0 262.0 262.0 262.0 262.0 262.0 16.0 137.0 205.0 256.0 264.0 264.0 264.0 264.0 264.0 266.0 18.0 120.0 181.0 242.0 266.0 266.0 266.0 266.0 20.0 106.0 161.0 216.0 262.0 264.0 264.0 264.0 264.0 255.0 22.0 94.0 144.0 195.0 242.0 267.0 270.0 270.0 24.0 84.0 131.0 177.0 223.0 245.0 266.0 272.0 272.0 26.0 162.0 75.0 119.0 204.0 235.0 262.0 270.0 272.0 28.0 220.0 246.0 68.0 108.0 149.0 190.0 257.0 263.0 254.0 30.0 205.0 230.0 244.0 61.0 99.0 137.0 173.0 32.0 55.0 91.0 125.0 158.0 189.0 214.0 232.0 246.0 34.0 50.0 83.0 115.0 146.0 174.0 198.0 219.0 237.0 36.0 106.0 135.0 186.0 45.0 76.0 163.0 208.0 226.0 38.0 40.5 125.0 152.0 176.0 197.0 215.0 70.0 98.0 40.0 37.0 91.0 117.0 142.0 167.0 186.0 204.0 64.0 44.0 29.5 55.0 79.0 102.0 125.0 147.0 164.0 181.0 48.0 24.5 46.5 69.0 90.0 111.0 132.0 150.0 166.0 52.0 20.3 40.5 61.0 80.0 100.0 119.0 136.0 151.0 56.0 15.9 34.5 54.0 72.0 90.0 107.0 123.0 137.0 60.0 13.1 29.7 47.5 65.0 81.0 98.0 114.0 125.0 64.0 10.6 26.1 42.5 59.0 74.0 90.0 105.0 113.0 68.0 8.5 54.0 68.0 96.0 102.0 22.9 38.5 82.0 72.0 6.5 20.2 34.0 48.5 62.0 76.0 87.0 91.0 76.0 17.0 30.5 44.5 58.0 70.0 79.0 79.0 80.0 15.1 27.7 41.0 53.0 63.0 67.0 67.0 84.0 25.5 49.0 49.0 <u>49</u>.0 13.6 38.0 45.0 * n * 12 17 17 17 17 17 17 17 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0-40 m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=20.0m 84m



*** 368 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1394< B181 52C7 m > < t90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0 m 242.0 242.0 14.0 153.0 212.0 242.0 242.0 242.0 242.0 16.0 132.0 184.0 237.0 243.0 243.0 243.0 243.0 243.0 18.0 115.0 162.0 210.0 237.0 246.0 246.0 246.0 246.0 247.0 247.0 20.0 101.0 144.0 187.0 230.0 247.0 247.0 22.0 90.0 129.0 169.0 208.0 236.0 240.0 240.0 240.0 24.0 0.08 117.0 153.0 190.0 219.0 230.0 238.0 238.0 26.0 72.0 106.0 140.0 174.0 201.0 219.0 232.0 232.0 28.0 65.0 96.0 128.0 160.0 186.0 208.0 224.0 224.0 30.0 148.0 195.0 58.0 0.88 118.0 174.0 211.0 215.0 109.0 32.0 137.0 182.0 198.0 205.0 53.0 81.0 161.0 34.0 47.5 74.0 101.0 126.0 149.0 169.0 186.0 196.0 36.0 43.0 68.0 92.0 116.0 136.0 156.0 173.0 186.0 38.0 108.0 127.0 145.0 39.0 62.0 85.0 163.0 177.0 40.0 100.0 119.0 137.0 154.0 168.0 35.0 57.0 78.0 44.0 28.1 47.5 67.0 87.0 105.0 121.0 137.0 151.0 48.0 23.1 40.5 58.0 76.0 92.0 106.0 121.0 134.0 52.0 18.9 34.0 51.0 67.0 83.0 96.0 110.0 123.0 56.0 14.7 29.0 44.0 59.0 74.0 87.0 99.0 112.0 60.0 11.8 25.0 39.0 53.0 65.0 77.0 89.0 101.0 64.0 9.4 21.6 34.0 47.0 60.0 71.0 82.0 93.0 68.0 7.1 18.7 29.8 42.5 54.0 65.0 75.0 85.0 72.0 38.5 48.0 58.0 68.0 78.0 15.3 26.5 76.0 13.2 23.7 34.0 44.5 54.0 63.0 71.0 80.0 11.3 21.3 30.5 40.5 49.0 58.0 64.0 84.0 45.0 9.6 19.2 28.0 37.0 53.0 57.0 88.0 7.9 <u>1</u>6.5 41.0 <u>47.</u>5 25.9 33.5 47.5 * n * 9 13 15 15 16 16 16 16 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0-40 m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=15.0m 90m

HSLDB2 --90m yy=17.5m

*** 369 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1395< B181 52C8 m > < t90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0 m 242.0 242.0 14.0 153.0 220.0 242.0 242.0 242.0 242.0 16.0 132.0 191.0 241.0 243.0 243.0 243.0 243.0 243.0 18.0 115.0 169.0 222.0 243.0 245.0 245.0 245.0 245.0 247.0 247.0 20.0 101.0 150.0 199.0 242.0 247.0 247.0 22.0 90.0 135.0 179.0 224.0 239.0 243.0 243.0 243.0 226.0 24.0 0.08 121.0 163.0 204.0 237.0 237.0 237.0 26.0 72.0 110.0 149.0 187.0 214.0 232.0 232.0 232.0 28.0 224.0 65.0 100.0 136.0 172.0 201.0 223.0 224.0 30.0 159.0 188.0 210.0 215.0 58.0 92.0 126.0 215.0 32.0 53.0 147.0 175.0 197.0 206.0 214.0 84.0 116.0 34.0 47.5 78.0 107.0 135.0 162.0 184.0 196.0 209.0 36.0 43.0 71.0 99.0 125.0 149.0 170.0 187.0 203.0 38.0 116.0 139.0 39.0 65.0 91.0 160.0 178.0 195.0 40.0 108.0 131.0 151.0 169.0 185.0 35.0 59.0 84.0 44.0 28.1 50.0 72.0 94.0 115.0 134.0 151.0 167.0 48.0 23.1 42.5 63.0 83.0 101.0 118.0 134.0 149.0 52.0 18.9 37.0 55.0 73.0 91.0 107.0 123.0 137.0 56.0 14.7 31.0 48.0 65.0 81.0 97.0 111.0 124.0 60.0 11.8 26.7 42.5 58.0 73.0 87.0 101.0 113.0 64.0 9.4 23.2 38.0 52.0 67.0 80.0 93.0 103.0 68.0 7.1 20.1 33.0 47.0 61.0 73.0 85.0 94.0 72.0 54.0 66.0 77.0 84.0 16.6 29.2 42.5 76.0 14.4 26.3 39.0 50.0 61.0 71.0 75.0 80.0 35.0 12.5 23.7 46.0 56.0 64.0 66.0 57.0 84.0 10.8 21.5 31.5 42.0 52.0 57.0 88.0 19.5 47.0 47.0 9.1 29.1 38.5 47.0 * n * 9 14 15 15 16 16 16 16 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0-40 m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=17.5m 90m

HSLDB2 --90m yy=20.0m

*** 370 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1396< B181 52C9 m > < t90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0 m 242.0 242.0 14.0 153.0 227.0 242.0 242.0 242.0 242.0 16.0 132.0 198.0 242.0 244.0 244.0 244.0 244.0 244.0 18.0 115.0 175.0 231.0 246.0 246.0 246.0 246.0 246.0 247.0 247.0 20.0 101.0 156.0 210.0 247.0 247.0 247.0 22.0 90.0 140.0 190.0 236.0 241.0 241.0 241.0 241.0 24.0 0.08 126.0 172.0 218.0 233.0 237.0 237.0 237.0 26.0 72.0 115.0 158.0 200.0 224.0 232.0 232.0 232.0 226.0 28.0 65.0 105.0 145.0 185.0 214.0 224.0 226.0 30.0 201.0 214.0 220.0 58.0 96.0 133.0 171.0 220.0 124.0 32.0 53.0 88.0 188.0 203.0 213.0 157.0 218.0 34.0 47.5 81.0 114.0 145.0 175.0 193.0 207.0 213.0 36.0 43.0 74.0 105.0 134.0 161.0 182.0 201.0 209.0 38.0 151.0 173.0 39.0 68.0 97.0 124.0 193.0 201.0 40.0 116.0 141.0 164.0 183.0 192.0 35.0 62.0 90.0 44.0 77.0 101.0 124.0 147.0 164.0 173.0 28.1 53.0 48.0 23.1 45.0 67.0 89.0 110.0 130.0 147.0 155.0 52.0 18.9 39.0 59.0 79.0 98.0 118.0 135.0 142.0 56.0 14.7 33.0 52.0 71.0 89.0 106.0 122.0 129.0 60.0 11.8 28.3 46.0 64.0 80.0 96.0 111.0 116.0 64.0 9.4 24.7 41.0 57.0 73.0 88.0 102.0 106.0 68.0 7.1 21.6 37.0 52.0 67.0 81.0 93.0 95.0 72.0 47.0 74.0 84.0 18.8 32.0 61.0 85.0 76.0 15.6 28.8 43.0 56.0 69.0 75.0 76.0 80.0 13.6 26.1 39.5 52.0 63.0 66.0 66.0 84.0 11.9 23.8 36.5 47.5 57.0 57.0 57.0 88.0 10.3 32.5 47.0 47.0 21.8 43.0 47.0 * n * 9 14 15 16 16 16 16 16 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0-40 m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=20.0m 90m

HSLDB2 --96m yy=15.0m

*** 368 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1397< B181 53C7 m > < t96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 m 14.0 147.0 204.0 225.0 225.0 225.0 225.0 225.0 225.0 16.0 127.0 178.0 226.0 226.0 226.0 226.0 226.0 226.0 18.0 111.0 157.0 203.0 222.0 225.0 225.0 225.0 225.0 20.0 97.0 139.0 182.0 216.0 223.0 223.0 223.0 223.0 22.0 125.0 164.0 203.0 220.0 220.0 220.0 220.0 86.0 24.0 77.0 113.0 148.0 184.0 207.0 213.0 213.0 213.0 26.0 69.0 102.0 135.0 169.0 194.0 205.0 205.0 205.0 28.0 124.0 61.0 93.0 155.0 181.0 197.0 197.0 197.0 30.0 169.0 55.0 85.0 114.0 143.0 188.0 189.0 189.0 32.0 105.0 133.0 158.0 176.0 181.0 50.0 77.0 181.0 34.0 45.0 71.0 97.0 123.0 147.0 165.0 174.0 181.0 36.0 40.5 65.0 90.0 115.0 136.0 154.0 166.0 176.0 38.0 106.0 125.0 143.0 36.5 60.0 83.0 158.0 171.0 40.0 116.0 133.0 150.0 165.0 33.0 55.0 77.0 98.0 44.0 26.5 85.0 103.0 119.0 135.0 149.0 46.0 65.0 48.0 21.5 39.0 57.0 74.0 90.0 105.0 120.0 134.0 52.0 16.5 32.5 48.5 65.0 80.0 94.0 107.0 120.0 56.0 13.2 27.4 42.5 58.0 72.0 85.0 97.0 110.0 60.0 10.1 23.4 37.5 51.0 64.0 76.0 88.0 100.0 64.0 7.2 20.0 32.0 45.0 57.0 68.0 79.0 90.0 68.0 16.2 28.1 40.5 52.0 62.0 73.0 82.0 72.0 47.0 57.0 67.0 74.0 13.7 24.8 36.5 76.0 11.5 22.0 42.0 51.0 60.0 67.0 32.0 80.0 9.6 19.5 28.8 38.0 47.0 56.0 60.0 7.6 84.0 16.4 26.1 34.5 43.0 51.0 54.0 88.0 5.7 23.6 47.0 14.5 31.0 39.5 48.0 92.0 12.9 40.5 21.5 28.3 36.0 40.5 96.0 11.2 19.0 25.3 28.2 29.5 29.5 * n * 9 13 14 14 14 14 14 14 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0**-40** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=15.0m 96m

HSLDB2 --96m yy=17.5m

*** 369 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1398< B181 53C8 m > < t96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 m 14.0 147.0 212.0 225.0 225.0 225.0 225.0 225.0 225.0 16.0 127.0 185.0 226.0 226.0 226.0 226.0 226.0 226.0 18.0 111.0 163.0 215.0 225.0 225.0 225.0 225.0 225.0 20.0 97.0 145.0 193.0 223.0 223.0 223.0 223.0 223.0 22.0 174.0 218.0 220.0 220.0 220.0 220.0 86.0 130.0 24.0 77.0 117.0 158.0 199.0 211.0 212.0 212.0 212.0 26.0 69.0 106.0 144.0 182.0 203.0 205.0 205.0 205.0 28.0 61.0 97.0 132.0 168.0 194.0 197.0 197.0 197.0 30.0 155.0 55.0 89.0 122.0 184.0 189.0 189.0 189.0 32.0 144.0 172.0 180.0 186.0 50.0 81.0 112.0 187.0 34.0 45.0 75.0 104.0 134.0 160.0 172.0 181.0 182.0 36.0 40.5 69.0 97.0 124.0 149.0 164.0 176.0 178.0 38.0 115.0 137.0 155.0 36.5 63.0 89.0 171.0 173.0 40.0 107.0 127.0 148.0 165.0 33.0 58.0 82.0 167.0 44.0 26.5 48.5 71.0 93.0 113.0 132.0 149.0 152.0 48.0 21.5 41.0 61.0 81.0 100.0 117.0 133.0 137.0 52.0 16.5 34.5 53.0 72.0 89.0 105.0 120.0 124.0 56.0 13.2 29.1 46.0 63.0 80.0 95.0 110.0 114.0 60.0 10.1 25.1 41.0 57.0 72.0 86.0 99.0 103.0 64.0 7.2 21.5 36.0 50.0 64.0 77.0 90.0 93.0 68.0 18.5 31.0 45.0 58.0 71.0 82.0 86.0 72.0 53.0 65.0 75.0 78.0 15.0 27.5 41.0 76.0 24.5 36.5 47.5 59.0 67.0 71.0 12.8 80.0 10.8 21.9 32.5 43.5 54.0 61.0 63.0 84.0 8.8 19.5 29.5 40.0 49.5 54.0 55.0 88.0 48.0 6.9 16.6 27.0 36.0 45.5 48.0 92.0 24.7 40.5 5.2 14.9 33.0 40.0 40.5 96.0 13.4 22.9 27.1 29.5 29.5 29.5 * n * 9 13 14 14 14 14 14 14 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0-40 m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=17.5m 96m

HSLDB2 --96m yy=20.0m

*** 370 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1399< B181 53C9 m > < t96.0 96.0 96.0 96.0 96.0 96.0 96.0 m 225.0 14.0 147.0 219.0 225.0 225.0 225.0 225.0 16.0 127.0 191.0 226.0 226.0 226.0 226.0 226.0 18.0 111.0 169.0 219.0 225.0 225.0 225.0 225.0 223.0 20.0 97.0 151.0 204.0 223.0 223.0 223.0 22.0 86.0 135.0 184.0 220.0 220.0 220.0 220.0 24.0 77.0 122.0 167.0 207.0 212.0 212.0 212.0 26.0 69.0 111.0 153.0 193.0 205.0 205.0 205.0 28.0 61.0 101.0 140.0 180.0 197.0 197.0 197.0 30.0 167.0 188.0 55.0 92.0 129.0 190.0 190.0 32.0 85.0 120.0 155.0 178.0 185.0 50.0 187.0 34.0 45.0 78.0 111.0 144.0 167.0 179.0 182.0 36.0 40.5 72.0 103.0 133.0 157.0 173.0 177.0 38.0 123.0 147.0 36.5 66.0 95.0 167.0 173.0 40.0 88.0 114.0 139.0 160.0 167.0 33.0 60.0 44.0 26.5 51.0 76.0 100.0 123.0 144.0 152.0 48.0 21.5 43.0 66.0 88.0 109.0 129.0 137.0 52.0 16.5 37.0 57.0 78.0 97.0 115.0 124.0 56.0 13.2 31.0 50.0 69.0 87.0 105.0 114.0 60.0 10.1 26.7 44.0 62.0 79.0 95.0 103.0 64.0 7.2 23.1 39.5 56.0 71.0 86.0 93.0 68.0 19.9 34.5 50.0 65.0 79.0 86.0 72.0 30.5 59.0 73.0 78.0 16.3 45.0 76.0 14.0 27.1 41.0 54.0 66.0 71.0 80.0 11.9 24.3 37.5 49.5 60.0 63.0 84.0 10.1 45.5 21.8 33.5 53.0 55.0 88.0 47.0 8.1 19.7 30.5 41.5 48.0 92.0 6.4 16.9 40.5 27.9 38.5 40.5 96.0 15.5 25.0 29.2 29.4 29.4 * n * 9 14 14 14 14 14 14 20.0 20.0 20.0 20.0 20.0 20.0 20.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 ΖZ 0.0 0-40 m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=20.0m 96m

HSLDB2 --102m yy=15.0m

*** 368 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 B181 54C7 CODE >1400< m > < t102.0 102.0 102.0 102.0 102.0 102.0 102.0 m 199.0 14.0 143.0 199.0 199.0 199.0 199.0 199.0 16.0 124.0 174.0 194.0 194.0 194.0 194.0 194.0 18.0 109.0 154.0 188.0 188.0 188.0 188.0 188.0 20.0 96.0 137.0 179.0 181.0 181.0 181.0 181.0 22.0 85.0 174.0 174.0 174.0 123.0 161.0 174.0 24.0 76.0 111.0 146.0 166.0 167.0 167.0 167.0 158.0 26.0 68.0 101.0 134.0 160.0 160.0 160.0 28.0 61.0 92.0 123.0 150.0 153.0 153.0 153.0 30.0 142.0 55.0 84.0 113.0 146.0 146.0 146.0 32.0 49.5 77.0 104.0 132.0 139.0 142.0 142.0 34.0 44.5 71.0 96.0 122.0 133.0 139.0 139.0 36.0 40.5 65.0 90.0 114.0 127.0 135.0 136.0 38.0 106.0 121.0 132.0 36.5 60.0 83.0 133.0 40.0 114.0 129.0 130.0 33.0 55.0 77.0 99.0 44.0 26.8 46.0 85.0 103.0 118.0 121.0 66.0 48.0 21.7 39.0 57.0 74.0 91.0 106.0 110.0 52.0 16.8 32.5 49.0 65.0 0.08 93.0 100.0 56.0 13.4 27.6 42.5 58.0 71.0 84.0 91.0 60.0 10.2 23.7 37.5 51.0 64.0 77.0 84.0 64.0 7.3 20.2 32.0 45.5 57.0 69.0 77.0 68.0 16.4 28.3 41.0 51.0 62.0 70.0 72.0 47.0 57.0 63.0 13.9 25.0 36.5 76.0 11.6 22.1 32.0 42.5 52.0 56.0 80.0 9.7 19.5 28.8 38.5 46.5 50.0 84.0 7.8 16.4 26.1 35.0 42.0 44.5 88.0 5.8 23.6 14.4 31.5 38.0 39.0 92.0 12.7 21.2 33.5 34.0 28.3 96.0 11.0 18.6 25.7 28.6 28.6 100.0 9.3 15.8 21.7 21.8 21.8 * n * 9 12 12 12 12 12 12 15.0 15.0 15.0 15.0 15.0 15.0 15.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 ΖZ 0.0 0-40 **⋓** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=15.0m 102m

HSLDB2 --102m yy=17.5m

*** 369 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 B181 54C8 CODE >1401< m > < t102.0 102.0 102.0 102.0 102.0 102.0 102.0 m 199.0 14.0 143.0 199.0 199.0 199.0 199.0 199.0 16.0 124.0 181.0 194.0 194.0 194.0 194.0 194.0 18.0 109.0 160.0 188.0 188.0 188.0 188.0 188.0 20.0 96.0 143.0 181.0 181.0 181.0 181.0 181.0 22.0 85.0 128.0 174.0 174.0 174.0 171.0 174.0 24.0 76.0 116.0 156.0 167.0 167.0 167.0 167.0 26.0 68.0 105.0 142.0 160.0 160.0 160.0 160.0 28.0 61.0 96.0 131.0 153.0 153.0 153.0 153.0 30.0 146.0 55.0 0.88 120.0 146.0 146.0 146.0 32.0 49.5 80.0 138.0 141.0 141.0 111.0 141.0 34.0 44.5 74.0 103.0 130.0 137.0 139.0 139.0 36.0 40.5 68.0 96.0 122.0 133.0 136.0 136.0 38.0 114.0 128.0 133.0 36.5 63.0 89.0 133.0 40.0 82.0 107.0 124.0 130.0 130.0 33.0 58.0 44.0 26.8 48.5 71.0 93.0 113.0 121.0 121.0 48.0 21.7 41.5 61.0 81.0 101.0 110.0 110.0 52.0 16.8 34.5 54.0 72.0 89.0 100.0 100.0 56.0 13.4 29.4 46.5 64.0 80.0 90.0 91.0 60.0 10.2 25.3 41.0 57.0 72.0 82.0 84.0 64.0 7.3 21.7 36.5 51.0 65.0 73.0 76.0 68.0 18.6 31.5 45.0 58.0 66.0 69.0 72.0 53.0 60.0 63.0 15.1 27.7 41.0 76.0 12.9 24.6 37.0 48.5 55.0 56.0 80.0 10.8 21.9 33.0 44.0 49.5 49.5 84.0 9.0 19.5 29.5 40.0 44.5 44.5 88.0 7.0 16.5 26.9 36.5 39.0 39.0 92.0 14.7 33.0 34.0 34.0 5.2 24.6 96.0 22.3 28.4 28.6 28.6 13.1 100.0 11.4 19.1 21.8 21.8 21.8 * n * 9 12 12 12 12 12 12 17.5 17.5 17.5 17.5 17.5 17.5 17.5 уу 50.0 100.0 150.0 200.0 250.0 300.0 ΖZ 0.0 0-40 **⋓** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=17.5m 102m

HSLDB2 --102m yy=20.0m

LR 160	LR 1600/2 097949				p1: D=	=28.0	mm		***	370		22.30		
	MM	m	ı > < t		CO	DE :	>140	2<				B18	1 54	C9
m m	102.0	102.0	102.0	102.0	102.0	102.0								
14.0	143.0	199.0	199.0	199.0	199.0	199.0								
16.0	124.0	187.0	194.0	194.0	194.0	194.0								
18.0 20.0	109.0 96.0	166.0 148.0	188.0 181.0	188.0 181.0	188.0 181.0	188.0 181.0								
22.0	85.0	133.0	174.0	174.0	174.0	174.0								
24.0	76.0	120.0	165.0	167.0	167.0	167.0								
26.0	68.0	109.0	151.0	160.0	160.0	160.0								
28.0	61.0	100.0	139.0	153.0	153.0	153.0								
30.0	55.0	91.0	128.0	146.0	146.0	146.0								
32.0 34.0	49.5 44.5	84.0 77.0	119.0 110.0	139.0	142.0 139.0	142.0 139.0								
36.0	44.5	71.0	10.0	133.0 127.0	136.0	136.0								
38.0	36.5	66.0	95.0	120.0	133.0	133.0						1		
40.0	33.0	61.0	88.0	114.0	130.0	130.0								
44.0	26.8	51.0	76.0	100.0	120.0	121.0								
48.0	21.7	43.5	66.0	88.0	108.0	110.0								
52.0 56.0	16.8	37.5	58.0	78.0	97.0	99.0								
60.0	13.4 10.2	31.5 26.9	50.0 44.5	69.0 62.0	88.0 79.0	91.0 84.0						-		
64.0	7.3	23.3	39.5	56.0	72.0	76.0								
68.0		20.1	34.5	50.0	65.0	69.0								
72.0		16.4	30.5	45.0	60.0	63.0								
76.0		14.1	27.2	41.0	54.0	56.0								
80.0		12.0	24.3	37.5	49.0	49.5						1		
84.0 88.0		10.1 8.2	21.8	33.5 30.0	44.0 39.0	44.0 39.0								
92.0		6.4	19.5 16.7	27.7	34.0	34.0								
96.0		.	15.0	25.5	28.5	28.5								
100.0			13.5	21.6	21.8	21.8								
* n *	9	12	12	12	12	12								
уу	20.0	20.0	20.0	20.0	20.0	20.0								
ZZ	0.0	50.0	100.0	150.0	200.0	250.0						1		
												+		
_														
o _{40														
■ m/s	12.8	12.8	12.8	12.8	12.8	12.8								
		HSLDE 102m		 ⁄=20.0n		150 t		5		zz t				

HSLDB2 --108m yy=15.0m

*** 368 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 B181 55C7 CODE >1403< m > < t108.0 108.0 108.0 108.0 108.0 m 16.0 121.0 157.0 157.0 157.0 157.0 18.0 106.0 150.0 151.0 151.0 151.0 20.0 93.0 134.0 144.0 144.0 144.0 83.0 120.0 136.0 22.0 136.0 136.0 24.0 109.0 128.0 128.0 128.0 74.0 26.0 66.0 99.0 120.0 120.0 120.0 28.0 59.0 90.0 113.0 113.0 113.0 30.0 53.0 82.0 106.0 106.0 106.0 98.0 32.0 75.0 98.0 98.0 48.0 96.0 34.0 43.5 69.0 93.0 96.0 36.0 39.5 64.0 88.0 94.0 95.0 38.0 35.5 59.0 82.0 92.0 93.0 40.0 32.0 54.0 76.0 89.0 91.0 44.0 25.9 45.5 65.0 85.0 87.0 48.0 20.8 38.5 56.0 74.0 78.0 52.0 16.3 32.0 48.5 65.0 70.0 56.0 12.7 27.1 42.0 57.0 61.0 60.0 9.4 23.2 37.0 51.0 56.0 64.0 6.5 19.7 31.5 45.0 51.0 68.0 15.9 27.7 40.0 45.5 72.0 13.3 24.4 36.0 40.5 76.0 21.5 36.5 11.1 31.5 80.0 9.1 18.9 28.2 32.0 84.0 7.2 15.8 25.4 28.0 88.0 13.8 22.0 23.8 92.0 18.4 12.0 19.5 96.0 10.2 14.8 15.2 100.0 8.4 11.1 11.1 104.0 7.3 7.3 6.8 * n * 7 10 10 10 10 15.0 15.0 15.0 15.0 15.0 уу 0.0 50.0 100.0 150.0 200.0 ΖZ 0-10 **⋓** m/s 12.8 12.8 12.8 12.8 12.8 HSLDB2 yy=15.0m 108m

HSLDB2 --108m yy=17.5m

LR 1600	0/2 (09794	.9	ty	rp1: D=28.0 mm *							*** 369		22.30	
	MM	m	n > < t		CO	DE :	>14()4<				B18	1 55	5C8	
m m	108.0	108.0	108.0	108.0											
16.0	121.0	157.0	157.0	157.0											
18.0	106.0	151.0	151.0	151.0											
20.0	93.0	139.0	144.0	144.0											
22.0 24.0	83.0 74.0	125.0 113.0	136.0 128.0	136.0 128.0											
26.0	66.0	103.0	120.0	120.0											
28.0	59.0	94.0	113.0	113.0											
30.0	53.0	86.0	106.0	106.0											
32.0	48.0	79.0	98.0	99.0											
34.0	43.5	72.0	94.0	97.0											
36.0 38.0	39.5 35.5	67.0 62.0	90.0 86.0	95.0 93.0											
40.0	32.0	57.0	82.0	91.0											
44.0	25.9	48.0	70.0	86.0											
48.0	20.8	41.0	61.0	78.0											
52.0	16.3	34.0	53.0	70.0											
56.0	12.7	28.9	46.0	61.0											
60.0	9.4	24.8	40.5	56.0											
64.0 68.0	6.5	21.2 18.1	36.0 30.5	50.0 44.5											
72.0		14.6	27.1	44.5											
76.0		12.3	24.0	36.5											
80.0		10.3	21.3	32.0											
84.0		8.4	18.9	27.7											
88.0		6.4	15.8	23.4											
92.0			14.0	19.3											
96.0 100.0			12.3 10.5	15.2 11.1											
104.0			7.2	7.2											
			7.2	1.2											
		40	40	40											
* n *	7	10	10	10											
уу	17.5	17.5	17.5	17.5											
zz	0.0	50.0	100.0	150.0											
_															
0-40	40.0	40.0	40.0	40.0											
⋓ m/s	12.8	12.8	12.8	12.8											
						L							_	_	
		HSLDE	32			450	∭	65							
		108m	уу	′=17.5n		150 t		t	■ V	zz t				J	

HSLDB2 --108m yy=20.0m

*** 370 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1405< B181 55C9 m > < t108.0 108.0 108.0 108.0 m 16.0 121.0 157.0 157.0 157.0 18.0 106.0 151.0 151.0 151.0 20.0 93.0 143.0 144.0 144.0 83.0 130.0 136.0 22.0 136.0 24.0 74.0 118.0 128.0 128.0 26.0 66.0 107.0 120.0 120.0 28.0 59.0 98.0 113.0 113.0 30.0 53.0 90.0 106.0 106.0 32.0 48.0 82.0 98.0 99.0 34.0 43.5 76.0 95.0 97.0 36.0 39.5 70.0 92.0 95.0 38.0 35.5 89.0 65.0 93.0 40.0 32.0 60.0 85.0 91.0 44.0 25.9 51.0 75.0 87.0 48.0 20.8 43.0 65.0 78.0 52.0 16.3 37.0 57.0 69.0 56.0 12.7 30.5 50.0 61.0 60.0 9.4 26.4 44.0 56.0 64.0 6.5 22.7 39.0 50.0 68.0 19.5 34.0 45.5 72.0 15.9 29.8 40.5 76.0 13.5 26.6 36.5 80.0 11.4 23.7 32.0 84.0 9.5 21.2 28.0 88.0 7.6 18.9 23.7 <u>5</u>.7 92.0 16.0 19.5 96.0 14.1 15.2 100.0 11.0 11.0 104.0 7.3 7.3 * n * 7 10 10 10 20.0 20.0 20.0 20.0 уу 50.0 100.0 150.0 ΖZ 0-10 m/s 12.8 12.8 12.8 12.8 HSLDB2 yy=20.0m 108m

HSLDB2 --114m yy=15.0m

*** 368 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1406< B181 56C7 m > < t114.0 114.0 114.0 114.0 114.0 114.0 114.0 114.0 m 16.0 115.0 160.0 160.0 160.0 160.0 160.0 160.0 160.0 18.0 101.0 144.0 157.0 157.0 157.0 157.0 157.0 157.0 20.0 89.0 129.0 154.0 155.0 155.0 155.0 155.0 155.0 22.0 78.0 115.0 150.0 155.0 155.0 155.0 155.0 155.0 24.0 154.0 154.0 70.0 104.0 138.0 154.0 154.0 154.0 26.0 62.0 94.0 126.0 151.0 152.0 152.0 152.0 152.0 28.0 56.0 86.0 115.0 143.0 149.0 154.0 154.0 154.0 30.0 154.0 154.0 49.5 78.0 106.0 134.0 146.0 154.0 32.0 125.0 44.5 71.0 98.0 143.0 154.0 154.0 154.0 90.0 34.0 40.0 139.0 153.0 65.0 116.0 152.0 153.0 36.0 36.0 60.0 84.0 108.0 131.0 145.0 148.0 148.0 38.0 32.0 55.0 78.0 101.0 123.0 137.0 142.0 147.0 40.0 28.6 50.0 72.0 94.0 115.0 129.0 137.0 144.0 44.0 114.0 127.0 139.0 22.6 42.5 62.0 82.0 99.0 48.0 17.6 54.0 71.0 87.0 102.0 116.0 129.0 36.0 52.0 13.2 29.5 46.0 62.0 78.0 92.0 105.0 118.0 56.0 9.5 24.8 39.5 55.0 69.0 81.0 94.0 106.0 60.0 20.9 34.0 48.0 60.0 72.0 84.0 96.0 64.0 16.6 29.1 42.5 55.0 66.0 77.0 88.0 68.0 13.7 25.4 38.0 49.0 60.0 70.0 80.0 72.0 11.2 22.1 33.0 43.5 53.0 63.0 73.0 76.0 8.8 48.0 57.0 19.2 28.8 39.0 66.0 80.0 15.8 25.6 35.5 43.5 53.0 62.0 84.0 13.6 22.4 31.5 39.5 48.5 56.0 88.0 11.6 19.2 27.9 35.5 44.0 49.5 40.0 92.0 9.8 16.6 24.6 32.0 43.0 96.0 7.8 14.7 22.0 29.4 34.5 37.5 100.0 6.0 12.8 19.4 26.2 29.2 32.0 104.0 10.9 16.8 21.5 24.3 27.1 108.0 9.5 14.3 17.0 19.8 22.5 112.0 12.8 7.5 10.1 15.4 18.0 * n * 7 10 10 10 10 10 10 10 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0**-40 ⋓** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=15.0m 114m

HSLDB2 --114m yy=17.5m

*** 369 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1407< B181 56C8 m > < t114.0 114.0 114.0 114.0 114.0 114.0 114.0 114.0 m 16.0 115.0 160.0 160.0 160.0 160.0 160.0 160.0 160.0 18.0 101.0 150.0 157.0 157.0 157.0 157.0 157.0 157.0 20.0 89.0 134.0 155.0 155.0 155.0 155.0 155.0 155.0 22.0 78.0 120.0 154.0 155.0 155.0 155.0 155.0 155.0 24.0 147.0 154.0 70.0 108.0 154.0 154.0 154.0 154.0 26.0 62.0 98.0 135.0 152.0 154.0 154.0 154.0 154.0 28.0 56.0 89.0 123.0 146.0 154.0 154.0 154.0 154.0 30.0 154.0 154.0 49.5 82.0 114.0 140.0 153.0 154.0 32.0 44.5 75.0 105.0 134.0 153.0 154.0 154.0 154.0 34.0 40.0 126.0 151.0 153.0 69.0 97.0 153.0 153.0 36.0 36.0 63.0 90.0 117.0 143.0 147.0 150.0 150.0 38.0 32.0 58.0 84.0 110.0 134.0 141.0 147.0 149.0 40.0 103.0 28.6 53.0 78.0 126.0 136.0 144.0 147.0 44.0 109.0 125.0 138.0 143.0 22.6 45.5 67.0 90.0 48.0 17.6 78.0 96.0 114.0 129.0 136.0 38.5 58.0 52.0 13.2 31.5 50.0 68.0 87.0 103.0 118.0 126.0 56.0 9.5 26.6 43.5 60.0 77.0 92.0 106.0 117.0 60.0 22.5 38.0 54.0 68.0 82.0 95.0 108.0 64.0 18.9 32.5 47.5 62.0 75.0 88.0 100.0 68.0 15.1 28.3 42.0 56.0 68.0 0.08 92.0 72.0 12.5 24.8 38.0 49.5 61.0 72.0 84.0 76.0 10.2 44.5 56.0 66.0 76.0 21.8 33.0 80.0 7.9 19.0 40.5 51.0 61.0 29.5 68.0 84.0 60.0 15.8 26.6 36.5 47.0 56.0 88.0 13.7 23.9 32.5 42.5 49.5 53.0 92.0 11.8 21.0 29.3 38.5 43.0 47.0 96.0 10.0 18.6 34.0 37.5 26.8 41.0 100.0 8.0 16.3 28.7 32.0 35.5 24.4 104.0 6.3 13.9 20.6 23.9 27.2 30.5 108.0 12.3 16.1 19.3 22.5 25.7 112.0 8.8 11.9 15.0 18.0 21.1 * n * 7 10 10 10 10 10 10 10 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 уу 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 50.0 0**-40 ⋓** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=17.5m 114m

HSLDB2 --114m yy=20.0m

*** 370 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1408< B181 56C9 m > < t114.0 114.0 114.0 114.0 114.0 114.0 114.0 114.0 m 16.0 115.0 160.0 160.0 160.0 160.0 160.0 160.0 160.0 18.0 101.0 156.0 157.0 157.0 157.0 157.0 157.0 157.0 20.0 89.0 139.0 155.0 155.0 155.0 155.0 155.0 155.0 22.0 78.0 125.0 155.0 155.0 155.0 155.0 155.0 155.0 24.0 154.0 154.0 70.0 113.0 154.0 154.0 154.0 154.0 26.0 62.0 103.0 143.0 152.0 154.0 154.0 154.0 154.0 28.0 56.0 93.0 131.0 149.0 154.0 154.0 154.0 154.0 30.0 121.0 154.0 154.0 49.5 85.0 146.0 154.0 154.0 32.0 44.5 78.0 112.0 142.0 154.0 154.0 154.0 154.0 34.0 40.0 104.0 136.0 152.0 153.0 72.0 153.0 153.0 36.0 36.0 66.0 96.0 127.0 145.0 149.0 149.0 149.0 38.0 32.0 61.0 90.0 119.0 138.0 146.0 149.0 149.0 40.0 131.0 142.0 147.0 28.6 56.0 84.0 111.0 147.0 44.0 118.0 135.0 143.0 143.0 22.6 48.0 73.0 97.0 48.0 17.6 40.5 85.0 106.0 125.0 135.0 138.0 63.0 52.0 13.2 33.5 55.0 75.0 95.0 113.0 126.0 132.0 56.0 9.5 28.3 47.0 66.0 85.0 101.0 116.0 126.0 60.0 24.1 41.5 59.0 75.0 91.0 106.0 119.0 64.0 20.4 36.5 52.0 69.0 84.0 98.0 111.0 68.0 16.4 31.5 47.0 62.0 76.0 90.0 101.0 72.0 13.7 27.5 42.0 56.0 69.0 82.0 90.0 76.0 50.0 63.0 75.0 11.4 24.3 38.0 81.0 80.0 9.3 21.4 58.0 67.0 72.0 33.5 46.5 84.0 7.2 18.9 30.0 42.0 53.0 60.0 64.0 88.0 15.8 27.2 38.0 48.0 53.0 57.0 92.0 13.8 24.4 34.0 42.0 46.5 51.0 96.0 21.9 40.5 44.5 12.0 31.5 36.5 100.0 10.1 19.3 27.2 31.0 35.0 39.0 104.0 8.3 16.7 22.4 26.2 30.0 34.0 108.0 6.7 14.3 18.0 21.6 25.2 28.9 112.0 5.2 17.1 10.1 13.7 20.7 24.1 * n * 7 10 10 10 10 10 10 10 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 уу 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 50.0 0**-40 ⋓** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=20.0m 114m

HSLDB2 --120m yy=15.0m

*** 368 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1409< B181 57C7 m > < t120.0 120.0 120.0 120.0 120.0 120.0 120.0 120.0 m 16.0 112.0 135.0 135.0 135.0 135.0 135.0 135.0 135.0 18.0 98.0 134.0 134.0 134.0 134.0 134.0 134.0 134.0 20.0 86.0 125.0 133.0 133.0 133.0 133.0 133.0 133.0 22.0 76.0 113.0 133.0 133.0 133.0 133.0 133.0 133.0 24.0 132.0 132.0 132.0 132.0 68.0 102.0 132.0 132.0 26.0 61.0 92.0 124.0 132.0 132.0 132.0 132.0 132.0 28.0 54.0 84.0 113.0 128.0 132.0 132.0 132.0 132.0 30.0 48.5 76.0 104.0 124.0 131.0 131.0 131.0 131.0 32.0 131.0 43.5 70.0 96.0 119.0 131.0 131.0 131.0 34.0 131.0 131.0 131.0 39.0 64.0 89.0 114.0 131.0 36.0 34.5 58.0 82.0 106.0 127.0 128.0 128.0 128.0 38.0 31.0 54.0 76.0 99.0 120.0 123.0 123.0 123.0 40.0 27.6 49.5 71.0 93.0 113.0 119.0 124.0 124.0 44.0 109.0 119.0 119.0 21.7 41.5 61.0 81.0 99.0 48.0 35.0 53.0 71.0 85.0 100.0 114.0 114.0 16.7 52.0 12.5 29.0 45.0 62.0 77.0 90.0 104.0 107.0 56.0 8.8 24.3 39.0 54.0 69.0 81.0 94.0 100.0 60.0 20.4 33.5 47.5 60.0 72.0 84.0 94.0 64.0 16.1 28.7 42.0 54.0 64.0 76.0 87.0 68.0 13.2 24.9 37.5 48.5 59.0 69.0 80.0 72.0 10.6 21.6 32.5 43.0 53.0 63.0 73.0 76.0 18.7 38.0 47.5 57.0 8.0 28.5 66.0 80.0 15.3 25.1 33.5 42.5 52.0 60.0 84.0 13.1 22.2 30.5 39.0 47.5 53.0 88.0 11.1 19.3 27.5 35.5 43.0 46.5 92.0 9.3 16.4 24.4 31.5 37.0 40.0 96.0 7.2 13.8 21.5 31.5 34.5 28.2 100.0 5.3 12.1 19.1 23.4 26.4 29.3 104.0 10.4 15.9 18.7 21.6 24.4 108.0 8.7 11.7 14.4 17.1 19.8 112.0 10.3 12.9 5.0 7.6 15.5 116.0 6.3 8.9 11.4 * n * 7 8 8 8 8 8 8 8 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0**-40 ⋓** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=15.0m 120m

HSLDB2 --120m yy=17.5m

*** 369 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1410< B181 57C8 m > < t120.0 120.0 120.0 120.0 120.0 120.0 120.0 120.0 m 135.0 16.0 112.0 135.0 135.0 135.0 135.0 135.0 135.0 18.0 98.0 134.0 134.0 134.0 134.0 134.0 134.0 134.0 20.0 86.0 131.0 133.0 133.0 133.0 133.0 133.0 133.0 22.0 76.0 117.0 133.0 133.0 133.0 133.0 133.0 133.0 24.0 132.0 132.0 132.0 132.0 132.0 132.0 68.0 106.0 26.0 61.0 96.0 132.0 132.0 132.0 132.0 132.0 132.0 28.0 54.0 0.88 121.0 130.0 132.0 132.0 132.0 132.0 30.0 111.0 48.5 0.08 127.0 131.0 131.0 131.0 131.0 32.0 131.0 43.5 73.0 103.0 125.0 131.0 131.0 131.0 34.0 131.0 131.0 131.0 39.0 67.0 95.0 122.0 131.0 36.0 34.5 62.0 88.0 115.0 128.0 129.0 129.0 129.0 38.0 31.0 57.0 82.0 108.0 122.0 126.0 127.0 127.0 40.0 101.0 123.0 27.6 52.0 77.0 117.0 124.0 124.0 44.0 105.0 117.0 119.0 119.0 21.7 44.0 67.0 89.0 48.0 37.5 77.0 94.0 111.0 114.0 114.0 16.7 57.0 52.0 12.5 31.0 49.5 68.0 85.0 101.0 107.0 110.0 56.0 8.8 26.1 43.0 60.0 77.0 91.0 100.0 106.0 60.0 22.0 37.5 53.0 68.0 81.0 93.0 103.0 64.0 18.5 32.0 46.5 61.0 73.0 86.0 97.0 68.0 14.6 27.8 41.5 55.0 67.0 79.0 90.0 72.0 12.0 24.3 37.5 50.0 61.0 73.0 82.0 76.0 55.0 66.0 9.6 21.3 32.5 44.5 73.0 80.0 7.1 18.5 29.0 40.0 50.0 60.0 65.0 84.0 15.3 25.9 36.5 46.0 53.0 57.0 88.0 13.2 22.7 32.5 42.0 46.5 50.0 40.0 92.0 11.3 19.6 29.1 36.5 44.0 96.0 9.4 16.8 25.7 31.0 34.5 38.0 100.0 7.4 14.9 22.4 25.9 29.3 32.5 104.0 5.6 13.1 17.8 21.1 24.4 27.7 108.0 10.3 13.5 16.7 19.8 23.0 112.0 9.4 12.5 15.5 6.3 18.6 116.0 5.5 8.4 11.4 14.4 * n * 7 8 8 8 8 8 8 8 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 уу 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 50.0 0**-40 ⋓** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=17.5m 120m

HSLDB2 --120m yy=20.0m

*** 370 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1411< B181 57C9 m > < t120.0 120.0 120.0 120.0 120.0 120.0 120.0 120.0 m 135.0 16.0 112.0 135.0 135.0 135.0 135.0 135.0 135.0 18.0 98.0 134.0 134.0 134.0 134.0 134.0 134.0 134.0 20.0 86.0 133.0 133.0 133.0 133.0 133.0 133.0 133.0 22.0 76.0 122.0 133.0 133.0 133.0 133.0 133.0 133.0 24.0 132.0 132.0 132.0 132.0 132.0 132.0 68.0 111.0 26.0 61.0 100.0 132.0 132.0 132.0 132.0 132.0 132.0 28.0 54.0 91.0 127.0 132.0 132.0 132.0 132.0 132.0 30.0 119.0 48.5 84.0 131.0 131.0 131.0 131.0 131.0 32.0 131.0 131.0 43.5 77.0 110.0 131.0 131.0 131.0 102.0 34.0 130.0 131.0 131.0 131.0 39.0 70.0 131.0 36.0 34.5 65.0 95.0 125.0 128.0 128.0 128.0 128.0 38.0 31.0 60.0 88.0 117.0 124.0 127.0 127.0 127.0 40.0 120.0 27.6 55.0 82.0 110.0 124.0 124.0 124.0 44.0 112.0 119.0 119.0 119.0 21.7 47.0 72.0 96.0 48.0 40.0 84.0 104.0 114.0 114.0 114.0 16.7 62.0 52.0 12.5 33.0 54.0 74.0 94.0 106.0 110.0 110.0 56.0 8.8 27.8 46.5 66.0 85.0 98.0 106.0 106.0 60.0 23.6 41.0 58.0 75.0 90.0 102.0 102.0 64.0 20.0 36.0 52.0 68.0 82.0 97.0 98.0 68.0 16.0 30.5 46.0 62.0 76.0 89.0 94.0 72.0 13.3 27.0 41.5 56.0 69.0 82.0 87.0 76.0 50.0 62.0 72.0 78.0 10.9 23.8 37.5 80.0 20.9 33.0 45.5 57.0 64.0 8.6 69.0 84.0 6.4 18.3 29.5 41.5 52.0 57.0 61.0 88.0 15.2 26.6 37.5 45.5 49.5 54.0 92.0 13.2 24.0 33.5 39.0 43.5 47.5 96.0 11.4 21.4 37.5 29.5 33.5 41.5 100.0 9.5 19.0 24.4 28.3 32.0 36.0 104.0 7.7 15.9 19.7 23.5 27.3 31.0 108.0 5.9 11.7 15.3 18.9 22.6 26.2 112.0 14.7 21.7 7.7 11.2 18.2 116.0 7.2 10.6 14.0 17.3 * n * 7 8 8 8 8 8 8 8 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 уу 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 50.0 0**-40 ⋓** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=20.0m 120m

HSLDB2 --126m yy=15.0m

*** 368 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1412< B181 58C7 m > < t126.0 126.0 126.0 126.0 126.0 126.0 126.0 126.0 m 18.0 95.0 115.0 116.0 116.0 116.0 116.0 116.0 116.0 20.0 84.0 114.0 115.0 115.0 115.0 115.0 115.0 115.0 22.0 74.0 110.0 114.0 114.0 114.0 114.0 114.0 114.0 24.0 66.0 99.0 114.0 114.0 114.0 114.0 114.0 114.0 26.0 90.0 113.0 113.0 113.0 113.0 113.0 59.0 113.0 28.0 52.0 81.0 111.0 113.0 113.0 113.0 113.0 113.0 30.0 47.0 74.0 102.0 111.0 112.0 112.0 112.0 112.0 32.0 42.0 68.0 94.0 109.0 111.0 111.0 111.0 111.0 34.0 106.0 109.0 37.5 62.0 87.0 109.0 109.0 109.0 36.0 80.0 104.0 108.0 108.0 108.0 108.0 33.5 57.0 38.0 29.7 52.0 75.0 97.0 105.0 106.0 106.0 106.0 40.0 26.4 48.0 69.0 91.0 101.0 104.0 104.0 104.0 44.0 20.6 40.5 60.0 80.0 92.0 99.0 99.0 99.0 48.0 83.0 95.0 95.0 15.7 34.0 52.0 70.0 95.0 52.0 11.5 28.3 44.5 61.0 75.0 89.0 89.0 89.0 56.0 23.7 38.5 53.0 68.0 80.0 84.0 87.0 60.0 19.5 32.5 46.5 60.0 72.0 79.0 83.0 64.0 15.5 28.0 41.0 53.0 64.0 74.0 80.0 68.0 12.6 24.3 36.5 47.0 58.0 68.0 75.0 72.0 9.7 21.0 31.5 42.5 53.0 62.0 70.0 76.0 37.5 7.1 18.1 27.9 47.5 57.0 65.0 80.0 14.7 33.0 42.5 57.0 24.8 51.0 84.0 12.5 21.7 29.3 38.5 46.0 49.5 88.0 10.5 19.0 26.7 35.0 39.5 43.0 92.0 16.4 8.7 24.0 30.5 33.5 37.0 96.0 6.7 13.7 21.3 25.1 28.1 31.0 100.0 11.2 17.2 20.1 26.0 23.1 104.0 9.7 12.7 15.5 18.3 21.2 108.0 5.8 8.5 11.2 13.9 16.6 112.0 7.2 9.8 12.4 116.0 5.9 8.4 * n * 6 7 7 7 7 7 7 7 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0-40 m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=15.0m 126m

HSLDB2 --126m yy=17.5m

*** 369 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1413< B181 58C8 m > < t126.0 126.0 126.0 126.0 126.0 126.0 126.0 126.0 m 18.0 95.0 116.0 116.0 116.0 116.0 116.0 116.0 116.0 20.0 84.0 115.0 115.0 115.0 115.0 115.0 115.0 115.0 22.0 74.0 113.0 114.0 114.0 114.0 114.0 114.0 114.0 24.0 66.0 103.0 114.0 114.0 114.0 114.0 114.0 114.0 26.0 113.0 113.0 113.0 113.0 113.0 59.0 94.0 113.0 28.0 52.0 85.0 112.0 113.0 113.0 113.0 113.0 113.0 30.0 47.0 78.0 107.0 112.0 112.0 112.0 112.0 112.0 32.0 71.0 42.0 101.0 111.0 111.0 111.0 111.0 111.0 34.0 37.5 65.0 93.0 109.0 109.0 109.0 109.0 109.0 36.0 87.0 108.0 108.0 108.0 108.0 108.0 33.5 60.0 38.0 29.7 55.0 80.0 104.0 106.0 106.0 106.0 106.0 40.0 26.4 51.0 75.0 99.0 103.0 104.0 104.0 104.0 44.0 97.0 20.6 43.0 65.0 87.0 99.0 99.0 99.0 48.0 91.0 95.0 95.0 15.7 36.5 57.0 77.0 95.0 52.0 11.5 30.0 48.5 67.0 84.0 89.0 90.0 90.0 56.0 7.8 25.4 42.0 59.0 76.0 84.0 87.0 87.0 60.0 21.3 37.0 52.0 68.0 78.0 83.0 83.0 64.0 16.9 31.0 46.0 60.0 72.0 80.0 80.0 68.0 14.0 27.1 41.0 54.0 66.0 75.0 77.0 72.0 11.3 23.7 36.5 49.0 60.0 70.0 74.0 76.0 8.6 20.6 32.0 44.5 55.0 65.0 70.0 80.0 40.0 49.5 57.0 17.0 28.4 61.0 84.0 14.7 25.2 36.0 44.5 49.5 54.0 88.0 12.6 22.4 32.5 39.0 43.0 47.0 92.0 10.7 19.6 29.2 33.0 37.0 40.5 96.0 8.9 16.8 24.1 27.7 31.0 35.0 100.0 7.0 14.1 19.2 22.6 26.0 29.4 104.0 5.2 11.3 14.6 17.9 21.2 24.5 108.0 7.1 10.3 13.5 16.7 19.8 112.0 6.3 9.4 12.4 15.5 116.0 5.5 8.4 11.4 120.0 7.5 * n * 6 7 7 7 7 7 7 7 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0-40 m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=17.5m 126m

HSLDB2 --126m yy=20.0m

*** 370 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1414< B181 58C9 m > < t126.0 126.0 126.0 126.0 126.0 126.0 126.0 126.0 m 18.0 95.0 116.0 116.0 116.0 116.0 116.0 116.0 116.0 20.0 84.0 115.0 115.0 115.0 115.0 115.0 115.0 115.0 22.0 74.0 113.0 114.0 114.0 114.0 114.0 114.0 114.0 24.0 66.0 108.0 114.0 114.0 114.0 114.0 114.0 114.0 26.0 98.0 113.0 113.0 113.0 113.0 113.0 59.0 113.0 28.0 52.0 89.0 112.0 113.0 113.0 113.0 113.0 113.0 30.0 47.0 82.0 109.0 112.0 112.0 112.0 112.0 112.0 32.0 42.0 75.0 105.0 111.0 111.0 111.0 111.0 111.0 34.0 37.5 69.0 100.0 109.0 109.0 109.0 109.0 109.0 36.0 108.0 108.0 108.0 108.0 108.0 33.5 63.0 93.0 38.0 29.7 58.0 86.0 105.0 106.0 106.0 106.0 106.0 40.0 26.4 53.0 81.0 100.0 104.0 104.0 104.0 104.0 44.0 20.6 45.5 70.0 92.0 99.0 99.0 99.0 99.0 48.0 95.0 95.0 95.0 15.7 38.5 61.0 83.0 95.0 52.0 11.5 53.0 73.0 89.0 90.0 32.5 90.0 90.0 56.0 27.1 46.0 65.0 81.0 87.0 87.0 87.0 60.0 23.0 40.0 58.0 74.0 83.0 83.0 83.0 64.0 19.3 34.5 51.0 67.0 80.0 80.0 80.0 68.0 15.4 30.0 45.5 61.0 74.0 76.0 76.0 72.0 12.7 26.4 41.0 55.0 68.0 73.0 74.0 76.0 10.2 23.2 37.0 50.0 62.0 69.0 72.0 80.0 7.7 45.0 56.0 61.0 20.3 32.0 66.0 84.0 16.9 40.5 48.5 53.0 58.0 28.8 88.0 14.7 26.0 37.0 42.0 46.5 51.0 92.0 12.7 23.0 31.5 36.0 40.0 44.5 96.0 10.9 20.0 26.1 30.0 34.5 38.5 100.0 9.0 17.1 21.1 29.0 25.1 33.0 104.0 7.2 12.7 16.5 20.3 24.0 27.8 108.0 8.5 12.1 15.8 19.4 23.0 112.0 8.1 11.6 15.1 18.6 116.0 7.6 11.0 14.4 120.0 7.1 10.4 * n * 6 7 7 7 7 7 7 7 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0-40 m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=20.0m 126m

HSLDB2 --132m yy=15.0m

*** 368 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1415< B181 59C7 m > < t132.0 132.0 132.0 132.0 132.0 132.0 132.0 132.0 m 18.0 92.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 20.0 81.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 22.0 72.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 24.0 64.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 26.0 57.0 87.0 95.0 95.0 95.0 95.0 95.0 95.0 28.0 51.0 79.0 95.0 95.0 95.0 95.0 95.0 95.0 30.0 45.0 72.0 92.0 94.0 94.0 94.0 94.0 94.0 32.0 40.5 66.0 89.0 93.0 93.0 93.0 93.0 93.0 34.0 36.0 60.0 85.0 91.0 91.0 91.0 91.0 91.0 36.0 90.0 90.0 90.0 32.0 55.0 78.0 90.0 90.0 38.0 28.4 51.0 73.0 89.0 89.0 89.0 89.0 89.0 40.0 25.1 46.5 68.0 85.0 87.0 87.0 87.0 87.0 44.0 19.4 39.0 58.0 77.0 82.0 83.0 83.0 83.0 48.0 79.0 79.0 14.6 32.5 51.0 68.0 77.0 79.0 52.0 10.4 27.2 43.5 60.0 75.0 75.0 75.0 73.0 56.0 6.8 22.5 37.5 52.0 66.0 70.0 71.0 71.0 60.0 18.4 31.5 45.5 60.0 66.0 69.0 69.0 64.0 14.7 27.2 40.5 53.0 61.0 66.0 66.0 68.0 11.5 23.5 35.0 46.0 56.0 63.0 63.0 72.0 8.6 20.2 30.5 41.5 52.0 58.0 60.0 76.0 6.0 16.5 27.1 37.0 46.5 54.0 58.0 80.0 33.0 42.0 49.5 14.0 23.4 53.0 84.0 11.8 19.5 28.6 37.0 42.5 46.0 88.0 9.8 16.8 25.3 33.0 36.0 39.5 92.0 7.8 14.7 22.6 27.0 30.0 33.5 96.0 5.8 12.7 18.6 21.6 24.7 27.7 100.0 10.6 13.7 16.6 19.6 22.5 104.0 6.4 9.2 12.1 14.9 17.7 108.0 13.2 5.0 7.8 10.5 112.0 6.4 9.0 116.0 5.1 * n * 6 6 6 6 6 6 6 6 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0-40 m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=15.0m 132m

HSLDB2 --132m yy=17.5m

*** 369 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 CODE >1416< B181 59C8 m > < t132.0 132.0 132.0 132.0 132.0 132.0 132.0 132.0 m 18.0 92.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 20.0 81.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 22.0 72.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 24.0 64.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 26.0 57.0 91.0 95.0 95.0 95.0 95.0 95.0 95.0 28.0 51.0 83.0 95.0 95.0 95.0 95.0 95.0 95.0 30.0 45.0 76.0 93.0 94.0 94.0 94.0 94.0 94.0 32.0 40.5 69.0 91.0 93.0 93.0 93.0 93.0 93.0 34.0 36.0 64.0 89.0 91.0 91.0 91.0 91.0 91.0 90.0 36.0 90.0 90.0 32.0 58.0 85.0 90.0 90.0 38.0 28.4 53.0 79.0 89.0 89.0 89.0 89.0 89.0 40.0 25.1 49.0 73.0 86.0 87.0 87.0 87.0 87.0 44.0 19.4 41.5 63.0 79.0 83.0 83.0 83.0 83.0 48.0 55.0 79.0 79.0 79.0 14.6 35.0 73.0 79.0 52.0 10.4 29.4 47.5 66.0 75.0 75.0 75.0 75.0 56.0 24.6 41.5 58.0 69.0 71.0 71.0 71.0 60.0 20.3 36.0 51.0 64.0 69.0 69.0 69.0 64.0 16.2 30.5 45.0 58.0 66.0 66.0 66.0 68.0 13.2 26.4 40.0 52.0 63.0 63.0 63.0 72.0 10.2 22.9 36.0 47.5 58.0 60.0 60.0 76.0 7.5 19.9 31.0 43.0 53.0 57.0 58.0 80.0 38.5 49.0 53.0 56.0 16.3 27.6 84.0 13.9 24.6 34.0 42.0 46.0 50.0 88.0 11.8 21.5 30.5 35.5 39.5 43.5 92.0 9.9 19.0 25.9 29.7 33.5 37.0 96.0 24.2 8.1 16.4 20.6 27.7 31.5 100.0 12.3 15.7 19.1 22.5 26.0 6.1 104.0 7.8 14.4 17.7 21.0 11.1 108.0 6.9 10.0 13.2 16.4 112.0 5.9 9.0 12.1 116.0 5.1 8.0 * n * 6 6 6 6 6 6 6 6 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0-40 m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=17.5m 132m

HSLDB2 --132m yy=20.0m

*** 370 22.30 LR 1600/2 -- 097949 typ1: D=28.0 mm CODE >1417< B181 59C9 m > < t132.0 132.0 132.0 132.0 132.0 132.0 132.0 132.0 m 18.0 92.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 20.0 81.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 22.0 72.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 24.0 64.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 26.0 57.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 28.0 51.0 87.0 95.0 95.0 95.0 95.0 95.0 95.0 30.0 45.0 79.0 94.0 94.0 94.0 94.0 94.0 94.0 32.0 40.5 73.0 93.0 93.0 93.0 93.0 93.0 93.0 34.0 36.0 67.0 91.0 91.0 91.0 91.0 91.0 91.0 36.0 90.0 90.0 32.0 61.0 90.0 90.0 90.0 90.0 38.0 28.4 56.0 84.0 89.0 89.0 89.0 89.0 89.0 40.0 25.1 52.0 79.0 86.0 87.0 87.0 87.0 87.0 44.0 19.4 44.0 68.0 82.0 83.0 83.0 83.0 83.0 48.0 79.0 79.0 14.6 37.5 60.0 77.0 79.0 79.0 52.0 10.4 31.5 52.0 72.0 75.0 75.0 75.0 75.0 56.0 6.8 26.4 45.0 64.0 71.0 71.0 71.0 71.0 60.0 22.2 39.5 57.0 67.0 68.0 68.0 68.0 64.0 18.4 33.5 50.0 63.0 66.0 66.0 66.0 68.0 14.6 29.2 44.5 59.0 63.0 63.0 63.0 72.0 11.9 25.6 40.0 54.0 59.0 60.0 60.0 76.0 9.1 22.4 36.0 49.0 56.0 58.0 58.0 80.0 6.6 44.5 52.0 56.0 56.0 19.5 31.5 84.0 16.1 28.0 40.5 45.0 49.5 54.0 88.0 13.9 25.0 34.0 38.5 43.0 47.5 92.0 11.9 22.3 28.1 32.5 36.5 41.0 96.0 10.1 18.6 22.7 26.7 31.0 35.0 100.0 8.2 13.7 17.7 21.6 25.5 29.4 104.0 5.5 9.2 13.0 16.8 20.6 24.3 108.0 5.1 8.7 12.3 15.9 19.6 112.0 8.1 11.7 15.1 116.0 11.0 7.6 120.0 7.1 * n * 6 6 6 6 6 6 6 6 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0-40 m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=20.0m 132m

HSLDB2 --138m yy=15.0m

*** 368 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 B181 5AC7 CODE >1418< m > < t138.0 138.0 138.0 138.0 138.0 138.0 138.0 138.0 m 18.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 20.0 79.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 22.0 70.0 82.0 83.0 83.0 83.0 83.0 83.0 83.0 24.0 62.0 82.0 82.0 82.0 82.0 82.0 82.0 82.0 26.0 82.0 82.0 82.0 82.0 82.0 82.0 82.0 55.0 28.0 49.5 78.0 81.0 81.0 81.0 81.0 81.0 81.0 44.0 30.0 71.0 81.0 81.0 81.0 81.0 81.0 81.0 32.0 39.0 65.0 79.0 79.0 79.0 79.0 79.0 79.0 34.0 35.0 59.0 78.0 78.0 78.0 78.0 78.0 78.0 76.0 36.0 76.0 31.0 54.0 76.0 76.0 76.0 76.0 38.0 27.6 49.5 71.0 75.0 75.0 75.0 75.0 75.0 40.0 24.4 45.5 66.0 73.0 73.0 73.0 73.0 73.0 44.0 18.7 38.0 57.0 68.0 69.0 69.0 69.0 69.0 48.0 49.5 66.0 66.0 66.0 66.0 13.9 32.0 63.0 52.0 9.8 26.5 43.0 58.0 62.0 62.0 62.0 62.0 56.0 6.2 21.8 37.0 52.0 58.0 59.0 59.0 59.0 60.0 17.8 31.0 45.0 54.0 56.0 56.0 56.0 64.0 14.2 26.9 40.0 49.5 54.0 54.0 54.0 68.0 11.0 23.2 34.5 45.0 51.0 51.0 51.0 72.0 8.1 19.9 30.5 41.0 48.5 49.0 49.0 76.0 16.2 26.8 37.0 44.5 47.0 47.0 80.0 33.0 40.5 44.5 45.5 13.7 23.4 84.0 11.5 20.0 29.2 36.0 39.5 43.0 88.0 9.5 16.6 25.3 29.8 33.0 36.5 92.0 7.3 14.2 20.8 24.0 27.2 30.5 96.0 21.7 12.4 15.6 18.7 24.8 100.0 7.8 10.8 13.7 16.7 19.6 104.0 6.3 9.2 12.0 14.8 108.0 7.6 10.4 112.0 6.2 * n * 5 5 5 5 5 5 5 5 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0-40 **⋓** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=15.0m 138m

HSLDB2 --138m yy=17.5m

*** 369 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 B181 5AC8 CODE >1419< m > < t138.0 138.0 138.0 138.0 138.0 138.0 138.0 138.0 m 18.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 20.0 79.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 22.0 70.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 24.0 62.0 82.0 82.0 82.0 82.0 82.0 82.0 82.0 26.0 82.0 82.0 82.0 82.0 82.0 82.0 82.0 55.0 28.0 49.5 81.0 81.0 81.0 81.0 81.0 81.0 81.0 44.0 30.0 74.0 81.0 81.0 81.0 81.0 81.0 81.0 32.0 39.0 68.0 79.0 79.0 79.0 79.0 79.0 79.0 34.0 35.0 62.0 78.0 78.0 78.0 78.0 78.0 78.0 36.0 76.0 31.0 57.0 76.0 76.0 76.0 76.0 76.0 38.0 27.6 52.0 75.0 75.0 75.0 75.0 75.0 75.0 40.0 24.4 48.0 71.0 73.0 73.0 73.0 73.0 73.0 44.0 18.7 40.5 62.0 69.0 69.0 69.0 69.0 69.0 48.0 66.0 66.0 66.0 66.0 66.0 13.9 34.0 54.0 52.0 28.7 47.0 62.0 62.0 62.0 62.0 62.0 9.8 56.0 6.2 23.9 41.0 58.0 59.0 59.0 59.0 59.0 60.0 19.7 35.0 51.0 56.0 56.0 56.0 56.0 64.0 15.9 29.9 44.5 53.0 54.0 54.0 54.0 68.0 12.7 26.0 40.0 50.0 51.0 51.0 51.0 72.0 9.7 22.6 35.0 47.0 49.0 49.0 49.0 76.0 7.1 19.5 30.5 42.5 46.5 47.0 47.0 80.0 38.5 44.0 45.5 45.5 16.0 27.3 84.0 13.7 24.3 34.5 39.0 43.0 43.5 88.0 11.6 21.5 28.7 32.5 36.5 40.5 92.0 18.8 9.6 22.9 26.6 30.5 34.0 96.0 24.8 28.4 7.8 14.1 17.6 21.2 100.0 12.8 16.2 5.9 9.3 19.6 23.1 104.0 8.2 11.5 14.8 18.1 108.0 7.2 10.4 13.6 112.0 6.2 9.3 116.0 5.3 * n * 5 5 5 5 5 5 5 5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0-40 m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=17.5m 138m

HSLDB2 --138m yy=20.0m

*** 370 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.30 B181 5AC9 CODE >1420< m > < t138.0 138.0 138.0 138.0 138.0 138.0 138.0 138.0 m 18.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 20.0 79.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 22.0 70.0 83.0 83.0 83.0 83.0 83.0 83.0 83.0 24.0 62.0 82.0 82.0 82.0 82.0 82.0 82.0 82.0 26.0 82.0 82.0 82.0 82.0 82.0 82.0 82.0 55.0 28.0 49.5 81.0 81.0 81.0 81.0 81.0 81.0 81.0 44.0 30.0 78.0 81.0 81.0 81.0 81.0 81.0 81.0 32.0 39.0 71.0 79.0 79.0 79.0 79.0 79.0 79.0 34.0 35.0 65.0 78.0 78.0 78.0 78.0 78.0 78.0 36.0 76.0 31.0 60.0 76.0 76.0 76.0 76.0 76.0 38.0 27.6 55.0 75.0 75.0 75.0 75.0 75.0 75.0 40.0 24.4 51.0 73.0 73.0 73.0 73.0 73.0 73.0 44.0 18.7 43.0 67.0 69.0 69.0 69.0 69.0 69.0 48.0 66.0 66.0 66.0 66.0 66.0 13.9 36.5 58.0 52.0 9.8 31.0 51.0 62.0 62.0 62.0 62.0 62.0 56.0 6.2 26.0 44.5 58.0 59.0 59.0 59.0 59.0 60.0 21.6 39.0 54.0 56.0 56.0 56.0 56.0 64.0 17.8 33.5 49.5 54.0 54.0 54.0 54.0 68.0 14.3 28.9 44.0 51.0 51.0 51.0 51.0 72.0 11.4 25.3 39.5 48.5 49.0 49.0 49.0 76.0 8.6 22.1 35.5 45.0 47.5 47.5 47.5 80.0 6.2 41.5 45.5 45.5 45.5 19.2 31.0 84.0 15.8 27.7 37.5 42.0 43.5 43.5 88.0 13.6 24.9 31.0 35.5 40.0 42.0 92.0 11.6 20.8 25.1 29.3 33.5 38.0 96.0 9.8 15.6 19.7 23.8 27.9 32.0 100.0 10.8 14.7 22.6 6.9 18.7 26.5 104.0 6.3 10.1 13.9 17.7 21.4 108.0 5.9 9.5 13.1 16.7 112.0 5.4 8.8 12.4 116.0 8.2 * n * 5 5 5 5 5 5 5 5 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0-40 m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSLDB2 150 yy=20.0m 138m

HSL2DB2 --72m yy=15.0m

*** 342 22.31 LR 1600/2 -- 097949 typ1: D=28.0 mm CODE >1421< B181 75C7 m > < t72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 m 11.0 222.0 290.0 293.0 293.0 293.0 293.0 293.0 293.0 12.0 202.0 276.0 294.0 294.0 294.0 294.0 294.0 294.0 14.0 171.0 235.0 287.0 295.0 295.0 295.0 295.0 295.0 146.0 299.0 16.0 203.0 259.0 293.0 299.0 299.0 299.0 18.0 127.0 178.0 228.0 279.0 292.0 295.0 295.0 295.0 20.0 112.0 158.0 203.0 249.0 271.0 284.0 297.0 306.0 22.0 99.0 141.0 183.0 220.0 250.0 273.0 294.0 306.0 24.0 127.0 0.88 165.0 201.0 231.0 255.0 277.0 292.0 26.0 184.0 236.0 79.0 115.0 151.0 212.0 257.0 273.0 105.0 28.0 167.0 193.0 217.0 236.0 72.0 136.0 253.0 30.0 64.0 94.0 123.0 151.0 174.0 198.0 216.0 234.0 32.0 58.0 86.0 112.0 139.0 163.0 185.0 203.0 221.0 34.0 103.0 127.0 152.0 173.0 191.0 52.0 78.0 207.0 36.0 95.0 118.0 141.0 161.0 179.0 46.5 71.0 194.0 38.0 42.0 88.0 109.0 130.0 149.0 166.0 181.0 65.0 40.0 38.5 60.0 81.0 102.0 122.0 140.0 157.0 171.0 44.0 31.0 51.0 70.0 89.0 107.0 125.0 141.0 154.0 48.0 25.7 43.5 61.0 78.0 95.0 109.0 125.0 137.0 52.0 21.5 37.5 54.0 69.0 85.0 100.0 114.0 126.0 56.0 18.1 32.0 47.0 62.0 76.0 90.0 103.0 114.0 60.0 14.4 27.8 42.0 56.0 69.0 81.0 93.0 104.0 64.0 12.0 24.5 37.5 50.0 63.0 74.0 85.0 96.0 68.0 10.1 21.7 33.0 45.5 57.0 68.0 78.0 89.0 72.0 8.1 19.5 30.0 42.0 53.0 62.0 68.0 73.0 * n * 14 19 19 19 19 19 19 20 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0**-40** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB2 150 yy=15.0m 72m

HSL2DB2 --72m yy=17.5m

*** 343 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.31 CODE >1423< B181 75C8 m > < t72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 m 11.0 222.0 292.0 293.0 293.0 293.0 293.0 293.0 293.0 12.0 202.0 286.0 294.0 294.0 294.0 294.0 294.0 294.0 14.0 171.0 243.0 290.0 297.0 297.0 297.0 297.0 297.0 146.0 300.0 16.0 210.0 273.0 300.0 300.0 300.0 300.0 18.0 127.0 242.0 290.0 295.0 295.0 295.0 295.0 184.0 20.0 112.0 164.0 215.0 263.0 280.0 296.0 306.0 306.0 22.0 99.0 146.0 194.0 236.0 266.0 292.0 306.0 306.0 24.0 0.88 132.0 175.0 216.0 248.0 274.0 293.0 297.0 26.0 79.0 120.0 160.0 197.0 228.0 254.0 274.0 284.0 109.0 28.0 144.0 178.0 209.0 234.0 254.0 72.0 270.0 30.0 64.0 98.0 130.0 162.0 190.0 213.0 235.0 256.0 32.0 58.0 89.0 119.0 149.0 177.0 201.0 222.0 242.0 34.0 109.0 137.0 188.0 52.0 81.0 165.0 208.0 227.0 36.0 101.0 127.0 153.0 176.0 195.0 46.5 74.0 213.0 38.0 42.0 93.0 118.0 142.0 163.0 182.0 198.0 68.0 40.0 38.5 63.0 86.0 109.0 132.0 154.0 172.0 188.0 44.0 31.0 54.0 75.0 96.0 116.0 137.0 155.0 170.0 48.0 25.7 45.5 66.0 85.0 103.0 122.0 137.0 152.0 52.0 21.5 39.5 58.0 75.0 93.0 110.0 126.0 139.0 56.0 18.1 34.0 51.0 68.0 83.0 99.0 114.0 127.0 60.0 14.4 29.4 45.5 61.0 76.0 90.0 104.0 116.0 64.0 12.0 83.0 96.0 107.0 26.0 41.0 55.0 69.0 68.0 10.1 37.0 50.0 76.0 88.0 98.0 23.2 63.0 72.0 8.1 20.9 33.0 46.5 58.0 66.0 73.0 76.0 * n * 14 19 19 19 19 19 20 20 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0**-40** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB2 150 yy=17.5m 72m

HSL2DB2 --72m yy=20.0m

*** 344 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.31 CODE >1425< B181 75C9 m > < t72.0 72.0 72.0 72.0 72.0 72.0 72.0 72.0 m 11.0 222.0 293.0 293.0 293.0 293.0 293.0 293.0 293.0 12.0 202.0 294.0 294.0 294.0 294.0 294.0 294.0 294.0 14.0 171.0 251.0 292.0 297.0 297.0 297.0 297.0 297.0 146.0 300.0 16.0 218.0 283.0 300.0 300.0 300.0 300.0 18.0 127.0 191.0 255.0 292.0 298.0 298.0 298.0 298.0 20.0 112.0 170.0 227.0 271.0 290.0 306.0 306.0 306.0 22.0 99.0 152.0 205.0 250.0 282.0 306.0 306.0 306.0 24.0 137.0 0.88 186.0 230.0 263.0 292.0 297.0 297.0 26.0 271.0 79.0 124.0 168.0 210.0 243.0 282.0 294.0 28.0 190.0 223.0 250.0 268.0 286.0 72.0 113.0 152.0 30.0 64.0 102.0 138.0 173.0 203.0 229.0 253.0 278.0 32.0 58.0 93.0 126.0 159.0 191.0 216.0 239.0 262.0 34.0 146.0 177.0 203.0 225.0 52.0 85.0 116.0 247.0 36.0 107.0 136.0 164.0 190.0 46.5 77.0 211.0 232.0 38.0 42.0 71.0 99.0 126.0 153.0 176.0 197.0 217.0 40.0 38.5 65.0 92.0 117.0 143.0 167.0 187.0 206.0 44.0 31.0 56.0 80.0 103.0 126.0 149.0 168.0 186.0 48.0 25.7 48.0 70.0 91.0 112.0 133.0 150.0 166.0 52.0 21.5 41.5 62.0 81.0 100.0 120.0 137.0 153.0 56.0 18.1 36.5 55.0 73.0 91.0 108.0 125.0 140.0 60.0 14.4 31.0 49.0 66.0 82.0 99.0 115.0 127.0 64.0 12.0 60.0 75.0 91.0 106.0 115.0 27.6 44.0 68.0 10.1 24.6 40.0 55.0 69.0 84.0 97.0 101.0 72.0 8.1 22.2 36.5 50.0 63.0 71.0 76.0 76.0 * n * 14 19 19 19 19 20 20 20 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0-40 m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB2 150 yy=20.0m 72m

HSL2DB2 --78m yy=15.0m

*** 342 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.31 CODE >1427< B181 76C7 m > < t78.0 78.0 78.0 78.0 78.0 78.0 78.0 78.0 m 12.0 194.0 265.0 284.0 284.0 284.0 284.0 284.0 284.0 14.0 164.0 226.0 286.0 286.0 286.0 286.0 286.0 286.0 16.0 141.0 196.0 251.0 278.0 289.0 289.0 289.0 289.0 292.0 18.0 122.0 172.0 221.0 269.0 292.0 292.0 292.0 20.0 107.0 152.0 197.0 242.0 272.0 279.0 279.0 279.0 22.0 95.0 136.0 177.0 218.0 248.0 264.0 278.0 293.0 196.0 24.0 85.0 123.0 160.0 225.0 249.0 270.0 292.0 26.0 111.0 208.0 76.0 146.0 181.0 232.0 253.0 273.0 28.0 165.0 192.0 215.0 235.0 68.0 101.0 134.0 254.0 30.0 150.0 176.0 198.0 218.0 62.0 92.0 122.0 235.0 32.0 56.0 84.0 111.0 137.0 160.0 181.0 200.0 217.0 34.0 50.0 76.0 102.0 126.0 149.0 170.0 188.0 204.0 36.0 117.0 139.0 177.0 44.5 69.0 94.0 159.0 193.0 38.0 40.5 108.0 130.0 149.0 166.0 181.0 63.0 86.0 40.0 36.5 80.0 100.0 120.0 138.0 155.0 170.0 58.0 44.0 29.2 49.0 69.0 87.0 106.0 123.0 138.0 152.0 48.0 24.2 41.5 60.0 77.0 93.0 110.0 124.0 137.0 52.0 20.0 36.0 52.0 68.0 83.0 97.0 110.0 123.0 56.0 15.7 30.0 45.5 61.0 75.0 88.0 101.0 113.0 60.0 12.9 26.2 40.5 54.0 68.0 79.0 91.0 103.0 64.0 10.5 22.8 36.0 48.5 61.0 72.0 83.0 94.0 68.0 20.0 55.0 66.0 76.0 87.0 8.4 31.0 43.5 72.0 6.2 16.6 28.0 40.0 50.0 60.0 70.0 80.0 76.0 55.0 14.7 25.4 36.5 45.5 65.0 74.0 * n * 12 17 18 18 19 19 19 19 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0-40 m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB2 150 yy=15.0m 78m

HSL2DB2 --78m yy=17.5m

*** 343 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.31 CODE >1429< B181 76C8 m > < t78.0 78.0 78.0 78.0 78.0 78.0 78.0 78.0 m 12.0 194.0 275.0 284.0 284.0 284.0 284.0 284.0 284.0 14.0 164.0 234.0 286.0 286.0 286.0 286.0 286.0 286.0 16.0 141.0 203.0 265.0 285.0 289.0 289.0 289.0 289.0 292.0 18.0 122.0 178.0 234.0 284.0 292.0 292.0 292.0 20.0 107.0 158.0 209.0 259.0 277.0 285.0 285.0 285.0 22.0 95.0 142.0 188.0 234.0 259.0 276.0 293.0 299.0 24.0 85.0 128.0 170.0 210.0 241.0 267.0 292.0 300.0 26.0 155.0 76.0 116.0 195.0 224.0 250.0 273.0 284.0 28.0 207.0 232.0 68.0 105.0 142.0 177.0 255.0 268.0 30.0 161.0 191.0 214.0 236.0 252.0 62.0 96.0 129.0 32.0 56.0 87.0 118.0 148.0 174.0 197.0 217.0 236.0 34.0 50.0 79.0 108.0 136.0 162.0 185.0 205.0 223.0 36.0 100.0 125.0 151.0 174.0 44.5 73.0 193.0 211.0 38.0 40.5 116.0 141.0 163.0 182.0 199.0 66.0 92.0 40.0 36.5 61.0 85.0 108.0 131.0 152.0 170.0 186.0 44.0 29.2 51.0 74.0 94.0 115.0 135.0 152.0 167.0 48.0 24.2 44.0 64.0 83.0 102.0 121.0 137.0 151.0 52.0 20.0 38.0 56.0 74.0 91.0 107.0 123.0 136.0 56.0 15.7 32.0 49.5 66.0 82.0 98.0 113.0 125.0 60.0 12.9 27.8 43.5 60.0 74.0 89.0 103.0 115.0 64.0 10.5 24.4 39.0 54.0 68.0 81.0 93.0 105.0 68.0 48.5 62.0 74.0 86.0 98.0 8.4 21.4 34.5 72.0 6.2 18.9 31.0 44.0 56.0 68.0 79.0 90.0 76.0 15.9 27.9 40.5 52.0 63.0 73.0 76.0 * n * 12 18 18 18 19 19 19 19 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0-40 m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB2 150 yy=17.5m 78m

HSL2DB2 --78m yy=20.0m

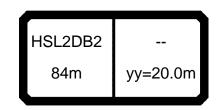
*** 344 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.31 CODE >1431< B181 76C9 m > < t78.0 78.0 78.0 78.0 78.0 78.0 78.0 78.0 m 12.0 194.0 281.0 284.0 284.0 284.0 284.0 284.0 284.0 14.0 164.0 242.0 286.0 286.0 286.0 286.0 286.0 286.0 16.0 141.0 210.0 271.0 289.0 289.0 289.0 289.0 289.0 292.0 18.0 122.0 185.0 247.0 291.0 292.0 292.0 292.0 20.0 107.0 164.0 221.0 271.0 281.0 291.0 295.0 295.0 22.0 95.0 147.0 199.0 247.0 269.0 289.0 298.0 298.0 24.0 85.0 133.0 180.0 224.0 257.0 286.0 299.0 300.0 26.0 208.0 76.0 120.0 164.0 239.0 267.0 283.0 289.0 222.0 28.0 189.0 68.0 110.0 151.0 249.0 267.0 278.0 100.0 30.0 205.0 230.0 251.0 62.0 137.0 172.0 267.0 32.0 56.0 91.0 125.0 158.0 188.0 211.0 234.0 256.0 34.0 50.0 83.0 114.0 145.0 176.0 199.0 222.0 243.0 36.0 105.0 134.0 163.0 188.0 209.0 44.5 76.0 230.0 38.0 40.5 125.0 152.0 176.0 197.0 217.0 69.0 98.0 40.0 36.5 90.0 116.0 142.0 165.0 185.0 203.0 64.0 44.0 29.2 54.0 79.0 102.0 125.0 147.0 166.0 183.0 48.0 24.2 46.0 69.0 90.0 111.0 132.0 150.0 166.0 52.0 20.0 40.0 60.0 80.0 99.0 118.0 134.0 149.0 56.0 15.7 34.0 54.0 72.0 89.0 107.0 124.0 138.0 60.0 12.9 29.5 47.5 65.0 81.0 97.0 113.0 126.0 64.0 10.5 25.9 42.5 59.0 74.0 89.0 104.0 115.0 68.0 68.0 82.0 96.0 103.0 8.4 22.8 38.0 53.0 72.0 6.2 20.2 34.0 48.5 62.0 76.0 89.0 91.0 76.0 18.0 30.5 44.5 58.0 70.0 75.0 75.0 * n * 12 18 18 19 19 19 19 19 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0-40 m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB2 150 yy=20.0m 78m



*** 342 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.31 CODE >1433< B181 77C7 m > < t84.0 84.0 84.0 84.0 84.0 84.0 84.0 m 84.0 271.0 12.0 185.0 255.0 271.0 271.0 271.0 271.0 271.0 14.0 157.0 217.0 274.0 274.0 274.0 274.0 274.0 274.0 16.0 135.0 189.0 242.0 268.0 275.0 275.0 275.0 275.0 255.0 275.0 278.0 18.0 117.0 166.0 214.0 278.0 278.0 20.0 147.0 191.0 235.0 269.0 274.0 274.0 274.0 103.0 22.0 91.0 131.0 172.0 212.0 247.0 258.0 267.0 275.0 24.0 81.0 118.0 155.0 192.0 224.0 242.0 257.0 272.0 26.0 141.0 265.0 72.0 107.0 175.0 203.0 226.0 247.0 28.0 97.0 162.0 189.0 65.0 129.0 211.0 231.0 249.0 89.0 30.0 58.0 149.0 175.0 196.0 216.0 119.0 233.0 32.0 53.0 81.0 110.0 136.0 160.0 181.0 200.0 216.0 34.0 47.5 74.0 100.0 125.0 146.0 166.0 185.0 200.0 36.0 136.0 156.0 174.0 43.0 67.0 92.0 115.0 189.0 38.0 85.0 107.0 128.0 146.0 164.0 179.0 39.0 61.0 40.0 34.0 78.0 99.0 119.0 137.0 154.0 169.0 56.0 44.0 27.6 47.0 67.0 86.0 103.0 119.0 135.0 149.0 48.0 22.6 40.0 58.0 75.0 92.0 107.0 122.0 135.0 52.0 18.4 33.5 50.0 66.0 82.0 96.0 110.0 122.0 56.0 14.2 28.5 43.5 59.0 72.0 85.0 98.0 110.0 60.0 11.3 24.5 38.5 52.0 65.0 77.0 90.0 101.0 64.0 8.9 21.2 33.5 46.5 59.0 70.0 81.0 92.0 68.0 18.2 63.0 74.0 29.3 42.0 53.0 84.0 72.0 15.0 38.0 48.0 58.0 68.0 78.0 26.2 76.0 12.9 23.4 33.5 44.0 53.0 62.0 72.0 80.0 11.0 21.1 30.5 40.0 48.5 57.0 63.0 84.0 9.3 19.0 42.5 46.0 28.2 37.0 47.0 * n * 12 16 18 18 18 18 18 18 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0**-40** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB2 150 yy=15.0m 84m



*** 343 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.31 CODE >1435< B181 77C8 m > < t84.0 84.0 84.0 84.0 84.0 84.0 84.0 m 84.0 271.0 12.0 185.0 264.0 271.0 271.0 271.0 271.0 271.0 14.0 157.0 225.0 274.0 274.0 274.0 274.0 274.0 274.0 16.0 135.0 196.0 256.0 271.0 276.0 276.0 276.0 276.0 278.0 278.0 18.0 117.0 172.0 227.0 266.0 278.0 278.0 20.0 202.0 252.0 275.0 276.0 276.0 276.0 103.0 153.0 22.0 91.0 137.0 182.0 228.0 256.0 266.0 276.0 282.0 24.0 81.0 123.0 165.0 207.0 237.0 256.0 273.0 285.0 26.0 111.0 282.0 72.0 150.0 189.0 219.0 244.0 267.0 28.0 229.0 65.0 101.0 138.0 174.0 204.0 250.0 266.0 30.0 160.0 189.0 213.0 234.0 251.0 58.0 93.0 127.0 32.0 53.0 85.0 117.0 146.0 174.0 197.0 218.0 235.0 34.0 47.5 78.0 107.0 135.0 159.0 182.0 201.0 219.0 36.0 149.0 171.0 43.0 71.0 98.0 124.0 190.0 207.0 38.0 39.0 115.0 139.0 179.0 64.0 91.0 161.0 196.0 40.0 34.0 59.0 84.0 107.0 130.0 151.0 169.0 185.0 44.0 27.6 49.5 72.0 93.0 113.0 132.0 149.0 164.0 48.0 22.6 42.0 62.0 82.0 101.0 119.0 135.0 150.0 52.0 18.4 36.5 55.0 73.0 90.0 107.0 122.0 136.0 56.0 14.2 30.5 47.5 65.0 80.0 95.0 110.0 122.0 60.0 11.3 26.2 42.0 58.0 73.0 87.0 101.0 113.0 64.0 8.9 22.7 37.5 52.0 66.0 79.0 92.0 104.0 68.0 19.7 71.0 84.0 95.0 32.5 46.5 59.0 72.0 16.2 28.9 42.0 54.0 66.0 78.0 86.0 76.0 14.1 26.0 38.5 49.5 61.0 71.0 77.0 80.0 12.3 23.5 34.5 45.5 56.0 63.0 65.0 84.0 10.5 21.5 47.0 32.0 41.0 45.0 47.0 * n * 12 17 18 18 18 18 18 18 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0**-40** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB2 150 yy=17.5m 84m



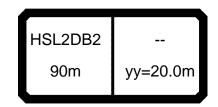
LR 1600/2 -- 097949 typ1: D=28.0 mm *** 344 22.31 CODE >1437< B181 77C9 m > < t84.0 84.0 84.0 84.0 84.0 84.0 84.0 m 84.0 271.0 12.0 185.0 270.0 271.0 271.0 271.0 271.0 271.0 14.0 157.0 233.0 274.0 274.0 274.0 274.0 274.0 274.0 16.0 135.0 203.0 264.0 275.0 276.0 276.0 276.0 276.0 278.0 278.0 18.0 117.0 178.0 239.0 275.0 278.0 278.0 20.0 158.0 214.0 269.0 275.0 275.0 275.0 275.0 103.0 22.0 91.0 142.0 193.0 244.0 261.0 273.0 283.0 283.0 24.0 81.0 128.0 175.0 222.0 248.0 268.0 285.0 285.0 26.0 72.0 116.0 160.0 202.0 234.0 260.0 282.0 284.0 28.0 187.0 218.0 65.0 106.0 146.0 244.0 266.0 272.0 30.0 171.0 203.0 228.0 250.0 58.0 97.0 135.0 260.0 32.0 53.0 89.0 124.0 157.0 188.0 212.0 234.0 249.0 34.0 47.5 81.0 113.0 144.0 172.0 196.0 217.0 237.0 36.0 104.0 133.0 184.0 43.0 74.0 161.0 205.0 225.0 38.0 123.0 151.0 174.0 194.0 39.0 67.0 96.0 214.0 40.0 34.0 89.0 115.0 140.0 164.0 184.0 202.0 62.0 44.0 27.6 52.0 77.0 100.0 123.0 144.0 162.0 179.0 48.0 22.6 44.5 67.0 88.0 109.0 130.0 148.0 164.0 52.0 18.4 38.5 59.0 79.0 98.0 117.0 134.0 149.0 56.0 14.2 32.5 51.0 70.0 88.0 105.0 121.0 135.0 60.0 11.3 27.8 45.5 63.0 80.0 96.0 112.0 124.0 64.0 8.9 24.2 40.5 57.0 72.0 88.0 102.0 113.0 68.0 80.0 93.0 21.1 36.5 51.0 66.0 101.0 72.0 18.4 46.5 74.0 85.0 90.0 32.0 61.0 76.0 15.3 28.5 42.5 56.0 68.0 77.0 78.0 80.0 13.5 25.9 39.0 51.0 62.0 65.0 65.0 84.0 47.5 <u>47.</u>5 11.8 23.9 36.0 43.0 47.5 * n * 12 17 18 18 18 18 18 18 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0**-40** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB2 150 yy=20.0m 84m



*** 342 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.31 CODE >1439< B181 78C7 m > < t90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0 m 14.0 151.0 210.0 251.0 251.0 251.0 251.0 251.0 251.0 16.0 130.0 182.0 235.0 247.0 248.0 248.0 248.0 248.0 18.0 113.0 160.0 208.0 239.0 244.0 244.0 244.0 244.0 239.0 239.0 239.0 20.0 99.0 142.0 185.0 228.0 239.0 22.0 88.0 127.0 167.0 206.0 228.0 232.0 232.0 232.0 24.0 78.0 115.0 151.0 188.0 213.0 225.0 231.0 231.0 26.0 70.0 104.0 138.0 171.0 198.0 217.0 226.0 226.0 28.0 62.0 94.0 126.0 158.0 184.0 207.0 219.0 220.0 30.0 145.0 172.0 56.0 86.0 116.0 194.0 207.0 211.0 107.0 32.0 135.0 159.0 181.0 195.0 50.0 79.0 202.0 34.0 45.5 72.0 99.0 124.0 147.0 167.0 183.0 194.0 36.0 41.0 66.0 90.0 114.0 134.0 154.0 171.0 185.0 38.0 106.0 125.0 176.0 37.0 60.0 83.0 144.0 161.0 40.0 118.0 136.0 152.0 167.0 33.0 55.0 77.0 98.0 44.0 26.5 46.0 85.0 103.0 120.0 135.0 149.0 65.0 48.0 21.5 39.0 57.0 74.0 90.0 105.0 119.0 133.0 52.0 16.4 32.0 48.5 65.0 81.0 95.0 108.0 121.0 56.0 13.1 27.4 42.5 58.0 72.0 85.0 98.0 110.0 60.0 10.2 23.4 37.5 51.0 64.0 75.0 87.0 99.0 64.0 7.4 20.0 32.0 45.5 58.0 69.0 0.08 91.0 68.0 16.2 28.1 40.5 52.0 63.0 73.0 84.0 72.0 46.0 56.0 66.0 76.0 13.8 24.9 36.5 76.0 11.7 22.1 32.5 42.0 52.0 61.0 70.0 80.0 56.0 9.7 19.7 29.0 38.0 47.0 65.0 84.0 7.7 16.7 26.5 34.5 43.0 51.0 60.0 88.0 6.0 <u>1</u>5.0 31.5 40.0 47.5 24.2 55.0 * n * 9 13 16 16 16 16 16 16 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0-10 m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB2 150 yy=15.0m 90m



*** 343 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.31 CODE >1441< B181 78C8 m > < t90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0 m 14.0 151.0 218.0 251.0 251.0 251.0 251.0 251.0 251.0 16.0 130.0 189.0 246.0 248.0 248.0 248.0 248.0 248.0 18.0 113.0 167.0 220.0 244.0 244.0 244.0 244.0 244.0 240.0 240.0 240.0 20.0 99.0 148.0 197.0 240.0 240.0 22.0 88.0 177.0 222.0 232.0 236.0 236.0 133.0 236.0 24.0 78.0 119.0 161.0 202.0 222.0 231.0 231.0 231.0 185.0 26.0 70.0 108.0 147.0 212.0 227.0 227.0 227.0 28.0 62.0 98.0 134.0 170.0 200.0 219.0 220.0 220.0 30.0 187.0 56.0 90.0 123.0 157.0 206.0 211.0 211.0 32.0 114.0 146.0 174.0 194.0 203.0 50.0 82.0 211.0 34.0 45.5 75.0 106.0 134.0 160.0 181.0 194.0 206.0 147.0 36.0 41.0 69.0 97.0 123.0 169.0 186.0 201.0 38.0 114.0 137.0 158.0 177.0 37.0 63.0 89.0 193.0 40.0 106.0 129.0 150.0 168.0 183.0 33.0 58.0 82.0 44.0 26.5 48.5 71.0 92.0 113.0 132.0 149.0 165.0 48.0 21.5 41.0 61.0 81.0 99.0 116.0 132.0 147.0 52.0 16.4 34.5 53.0 72.0 89.0 106.0 121.0 135.0 56.0 13.1 29.1 46.0 63.0 80.0 95.0 109.0 122.0 60.0 10.2 25.0 41.0 57.0 71.0 85.0 98.0 111.0 64.0 7.4 21.5 36.0 50.0 65.0 78.0 91.0 103.0 68.0 18.5 31.0 45.0 59.0 71.0 83.0 95.0 72.0 53.0 64.0 76.0 87.0 15.1 27.6 41.0 76.0 12.9 24.7 37.0 48.5 59.0 70.0 81.0 80.0 11.0 22.1 33.0 44.5 54.0 65.0 75.0 84.0 8.9 19.9 29.9 40.5 50.0 60.0 69.0 88.0 7.2 55.0 17.6 27.6 37.5 46.5 62.0 * n * 9 14 16 16 16 16 16 16 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0-10 m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB2 150 yy=17.5m 90m



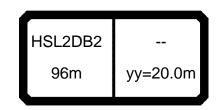
*** 344 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.31 CODE >1443< B181 78C9 m > < t90.0 90.0 90.0 90.0 90.0 90.0 90.0 90.0 m 14.0 151.0 225.0 251.0 251.0 251.0 251.0 251.0 251.0 16.0 130.0 196.0 246.0 248.0 248.0 248.0 248.0 248.0 18.0 113.0 173.0 233.0 244.0 244.0 244.0 244.0 244.0 240.0 240.0 240.0 20.0 99.0 154.0 208.0 240.0 240.0 22.0 88.0 138.0 188.0 228.0 235.0 235.0 235.0 235.0 24.0 78.0 124.0 170.0 213.0 229.0 231.0 231.0 231.0 26.0 70.0 113.0 155.0 197.0 223.0 227.0 227.0 227.0 28.0 143.0 62.0 103.0 183.0 213.0 219.0 219.0 219.0 30.0 169.0 200.0 210.0 56.0 94.0 131.0 216.0 216.0 32.0 156.0 186.0 200.0 210.0 50.0 86.0 121.0 211.0 34.0 45.5 79.0 112.0 143.0 173.0 190.0 205.0 206.0 36.0 41.0 72.0 103.0 132.0 159.0 180.0 199.0 201.0 38.0 123.0 149.0 171.0 191.0 37.0 66.0 95.0 194.0 40.0 114.0 140.0 162.0 182.0 188.0 33.0 60.0 88.0 44.0 26.5 51.0 76.0 99.0 122.0 145.0 163.0 174.0 48.0 21.5 43.0 66.0 88.0 108.0 128.0 145.0 161.0 52.0 16.4 37.0 57.0 78.0 97.0 116.0 133.0 148.0 56.0 13.1 31.0 50.0 69.0 87.0 105.0 121.0 135.0 60.0 10.2 26.7 44.0 62.0 79.0 94.0 109.0 123.0 64.0 7.4 23.1 39.5 56.0 71.0 87.0 101.0 114.0 68.0 19.9 34.5 50.0 65.0 79.0 93.0 105.0 72.0 59.0 72.0 85.0 96.0 16.4 30.5 45.0 76.0 14.1 27.2 41.0 54.0 67.0 79.0 89.0 80.0 12.1 24.5 37.5 50.0 62.0 73.0 81.0 84.0 10.2 22.2 34.0 45.5 57.0 68.0 73.0 88.0 8.4 31.0 42.0 20.0 52.0 61.0 62.0 * n * 9 14 16 16 16 16 16 16 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0**-40** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB2 150 yy=20.0m 90m



*** 342 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.31 CODE >1445< B181 79C7 m > < t96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 m 14.0 145.0 202.0 238.0 238.0 238.0 238.0 238.0 238.0 16.0 125.0 176.0 227.0 239.0 239.0 239.0 239.0 239.0 18.0 109.0 155.0 201.0 231.0 238.0 238.0 238.0 238.0 236.0 20.0 95.0 138.0 180.0 220.0 236.0 236.0 236.0 22.0 162.0 201.0 233.0 233.0 233.0 84.0 123.0 233.0 24.0 75.0 111.0 146.0 182.0 215.0 222.0 228.0 228.0 167.0 211.0 26.0 66.0 100.0 133.0 198.0 222.0 229.0 28.0 59.0 91.0 122.0 153.0 181.0 200.0 217.0 226.0 30.0 141.0 189.0 53.0 83.0 112.0 167.0 207.0 217.0 206.0 32.0 47.5 103.0 131.0 156.0 177.0 195.0 75.0 34.0 43.0 69.0 95.0 121.0 145.0 165.0 183.0 195.0 36.0 38.5 63.0 88.0 113.0 134.0 153.0 171.0 184.0 38.0 104.0 123.0 141.0 34.5 58.0 81.0 159.0 173.0 40.0 114.0 132.0 149.0 163.0 31.0 53.0 75.0 96.0 44.0 24.7 44.0 64.0 83.0 101.0 117.0 133.0 148.0 48.0 19.4 37.0 55.0 72.0 89.0 103.0 118.0 132.0 52.0 15.0 30.5 47.0 63.0 78.0 92.0 105.0 118.0 56.0 11.2 25.8 41.0 56.0 70.0 83.0 96.0 108.0 60.0 7.9 21.8 35.5 49.0 62.0 74.0 86.0 98.0 64.0 18.4 30.0 43.5 55.0 66.0 77.0 88.0 68.0 14.7 26.5 39.0 50.0 60.0 71.0 81.0 72.0 55.0 65.0 12.2 23.2 34.0 45.5 75.0 76.0 10.0 20.4 30.5 40.5 49.0 59.0 68.0 80.0 7.8 17.0 27.2 36.5 45.0 54.0 63.0 84.0 41.5 5.6 14.9 24.5 32.5 49.5 58.0 88.0 45.0 13.0 21.8 28.9 37.5 53.0 92.0 11.0 18.6 34.0 26.5 42.0 49.5 96.0 9.3 16.8 24.7 29.7 32.5 35.5 * n * 9 13 15 15 15 15 15 15 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0**-40** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB2 150 yy=15.0m 96m



*** 343 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.31 CODE >1447< B181 79C8 m > < t96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 m 14.0 145.0 210.0 238.0 238.0 238.0 238.0 238.0 238.0 16.0 125.0 183.0 239.0 239.0 239.0 239.0 239.0 239.0 18.0 109.0 161.0 213.0 235.0 238.0 238.0 238.0 238.0 236.0 20.0 95.0 143.0 191.0 230.0 236.0 236.0 236.0 22.0 128.0 172.0 216.0 233.0 233.0 233.0 84.0 233.0 24.0 75.0 115.0 156.0 197.0 220.0 227.0 231.0 231.0 142.0 26.0 66.0 104.0 180.0 207.0 221.0 229.0 229.0 28.0 214.0 59.0 95.0 130.0 166.0 194.0 226.0 226.0 30.0 153.0 182.0 53.0 86.0 120.0 204.0 218.0 220.0 32.0 47.5 79.0 142.0 170.0 192.0 206.0 110.0 212.0 34.0 43.0 72.0 102.0 132.0 159.0 180.0 195.0 204.0 36.0 38.5 67.0 95.0 122.0 147.0 168.0 184.0 196.0 38.0 135.0 156.0 34.5 61.0 87.0 113.0 173.0 188.0 40.0 105.0 126.0 146.0 164.0 180.0 31.0 56.0 80.0 44.0 24.7 46.5 69.0 91.0 112.0 131.0 148.0 163.0 48.0 19.4 39.5 59.0 79.0 98.0 115.0 132.0 146.0 52.0 15.0 32.5 51.0 70.0 87.0 103.0 118.0 132.0 56.0 11.2 27.5 44.5 62.0 78.0 93.0 108.0 121.0 60.0 7.9 23.4 39.0 55.0 70.0 84.0 97.0 110.0 64.0 19.9 33.5 48.5 62.0 75.0 88.0 100.0 68.0 16.0 29.3 43.5 57.0 69.0 81.0 93.0 72.0 63.0 74.0 13.5 25.9 39.0 51.0 85.0 76.0 11.2 22.9 46.0 57.0 67.0 78.0 34.5 80.0 9.1 20.3 31.0 42.0 52.0 62.0 73.0 84.0 6.9 17.0 28.0 38.0 48.0 58.0 67.0 88.0 5.0 15.1 25.2 34.5 43.5 53.0 60.0 92.0 31.0 40.5 54.0 13.3 22.9 49.0 96.0 11.5 21.0 28.4 32.0 35.5 38.5 * n * 9 13 15 15 15 15 15 15 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0**-40** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB2 150 yy=17.5m 96m



*** 344 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.31 CODE >1449< B181 79C9 m > < t96.0 96.0 96.0 96.0 96.0 96.0 96.0 96.0 m 14.0 145.0 217.0 238.0 238.0 238.0 238.0 238.0 238.0 16.0 125.0 190.0 239.0 239.0 239.0 239.0 239.0 239.0 18.0 109.0 167.0 226.0 238.0 238.0 238.0 238.0 238.0 237.0 20.0 95.0 149.0 202.0 237.0 237.0 237.0 237.0 22.0 182.0 231.0 233.0 233.0 233.0 84.0 133.0 233.0 24.0 75.0 120.0 165.0 211.0 224.0 231.0 231.0 231.0 26.0 66.0 109.0 151.0 193.0 215.0 229.0 229.0 229.0 226.0 28.0 59.0 99.0 138.0 178.0 207.0 226.0 226.0 30.0 90.0 196.0 217.0 219.0 53.0 127.0 164.0 219.0 32.0 47.5 118.0 153.0 183.0 205.0 83.0 211.0 211.0 34.0 43.0 76.0 109.0 142.0 171.0 193.0 203.0 211.0 36.0 38.5 70.0 101.0 131.0 159.0 181.0 194.0 206.0 38.0 121.0 146.0 169.0 34.5 64.0 93.0 186.0 201.0 40.0 113.0 137.0 158.0 178.0 31.0 59.0 86.0 194.0 44.0 24.7 49.0 74.0 98.0 121.0 143.0 161.0 177.0 48.0 19.4 41.5 64.0 86.0 107.0 127.0 144.0 159.0 52.0 15.0 34.5 56.0 76.0 95.0 114.0 130.0 145.0 56.0 11.2 29.3 48.5 67.0 86.0 103.0 119.0 133.0 60.0 7.9 25.1 42.5 60.0 77.0 93.0 109.0 122.0 64.0 21.4 37.5 54.0 69.0 84.0 99.0 111.0 68.0 18.3 32.5 48.0 63.0 77.0 91.0 103.0 72.0 14.7 58.0 71.0 28.6 43.5 84.0 96.0 76.0 12.4 25.5 39.5 52.0 64.0 76.0 88.0 80.0 10.4 22.7 <u>35.5</u> 47.5 59.0 71.0 80.0 84.0 8.2 20.2 31.5 43.5 55.0 66.0 72.0 88.0 6.2 17.8 28.7 40.0 50.0 60.0 64.0 92.0 15.4 26.2 36.5 46.5 53.0 58.0 96.0 13.7 24.3 30.5 34.5 38.0 39.0 * n * 9 14 15 15 15 15 15 15 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0-10 m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB2 150 yy=20.0m 96m

HSL2DB2 --102m yy=15.0m

*** 342 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.31 B181 7AC7 CODE >4151< m > < t102.0 102.0 102.0 102.0 102.0 102.0 102.0 102.0 m 218.0 14.0 140.0 196.0 218.0 218.0 218.0 218.0 218.0 16.0 121.0 171.0 217.0 217.0 217.0 217.0 217.0 217.0 18.0 105.0 150.0 196.0 214.0 216.0 216.0 216.0 216.0 214.0 20.0 92.0 134.0 175.0 206.0 214.0 214.0 214.0 22.0 119.0 158.0 196.0 212.0 212.0 212.0 212.0 81.0 24.0 72.0 107.0 143.0 178.0 204.0 206.0 206.0 206.0 26.0 64.0 97.0 130.0 163.0 190.0 199.0 206.0 206.0 28.0 57.0 0.88 119.0 150.0 177.0 192.0 203.0 204.0 30.0 138.0 51.0 0.08 109.0 164.0 184.0 200.0 201.0 100.0 191.0 32.0 128.0 153.0 174.0 46.0 73.0 193.0 34.0 41.0 67.0 93.0 119.0 143.0 163.0 180.0 185.0 36.0 36.5 61.0 86.0 110.0 133.0 153.0 169.0 177.0 38.0 103.0 142.0 33.0 56.0 80.0 124.0 159.0 169.0 40.0 95.0 114.0 131.0 148.0 29.3 52.0 74.0 161.0 44.0 23.2 82.0 100.0 116.0 132.0 146.0 43.0 63.0 48.0 18.0 36.5 54.0 72.0 0.88 103.0 118.0 132.0 52.0 13.6 29.5 46.0 62.0 77.0 90.0 104.0 118.0 56.0 9.8 24.9 40.0 55.0 68.0 81.0 94.0 107.0 60.0 20.9 34.0 48.0 61.0 73.0 85.0 97.0 64.0 16.7 29.3 42.5 54.0 65.0 77.0 88.0 68.0 13.8 25.6 38.0 48.0 59.0 69.0 79.0 72.0 54.0 64.0 73.0 11.3 22.3 33.0 43.5 76.0 9.1 19.4 39.0 48.5 58.0 67.0 29.3 80.0 6.9 16.1 26.1 34.5 44.0 52.0 61.0 84.0 40.0 13.9 22.9 31.0 48.0 57.0 88.0 44.5 12.0 20.1 28.3 36.0 52.0 92.0 10.0 17.3 25.4 32.5 41.0 48.0 96.0 15.1 23.0 29.6 37.5 42.5 8.1 100.0 6.5 13.6 21.1 27.4 34.0 37.0 * n * 9 12 14 14 14 14 14 14 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0**-40** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB2 150 yy=15.0m 102m

HSL2DB2 --102m yy=17.5m

*** 343 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.31 B181 7AC8 CODE >1453< m > < t102.0 102.0 102.0 102.0 102.0 102.0 102.0 102.0 m 14.0 140.0 203.0 218.0 218.0 218.0 218.0 218.0 218.0 16.0 121.0 177.0 217.0 217.0 217.0 217.0 217.0 217.0 18.0 105.0 156.0 208.0 215.0 215.0 215.0 215.0 215.0 20.0 92.0 139.0 186.0 213.0 214.0 214.0 214.0 214.0 22.0 125.0 168.0 210.0 212.0 212.0 212.0 212.0 81.0 24.0 72.0 112.0 152.0 192.0 205.0 209.0 209.0 209.0 26.0 64.0 101.0 139.0 176.0 196.0 205.0 206.0 206.0 28.0 57.0 127.0 204.0 92.0 162.0 187.0 201.0 204.0 30.0 150.0 201.0 51.0 84.0 117.0 178.0 198.0 201.0 108.0 32.0 139.0 188.0 193.0 46.0 77.0 167.0 193.0 34.0 41.0 70.0 100.0 129.0 157.0 177.0 185.0 190.0 36.0 36.5 65.0 92.0 120.0 146.0 166.0 177.0 185.0 38.0 112.0 135.0 155.0 33.0 59.0 86.0 169.0 180.0 40.0 104.0 125.0 145.0 161.0 174.0 29.3 55.0 79.0 44.0 23.2 45.5 90.0 110.0 129.0 146.0 161.0 68.0 48.0 18.0 38.5 58.0 78.0 98.0 115.0 131.0 146.0 52.0 13.6 31.5 50.0 69.0 85.0 101.0 117.0 130.0 56.0 9.8 26.7 43.5 61.0 77.0 91.0 106.0 119.0 60.0 22.6 38.0 54.0 69.0 83.0 97.0 110.0 64.0 19.0 32.5 47.5 62.0 75.0 87.0 100.0 68.0 15.2 28.4 42.5 55.0 67.0 79.0 91.0 72.0 50.0 62.0 73.0 12.6 25.0 38.0 85.0 76.0 10.4 22.0 45.5 56.0 67.0 78.0 33.5 80.0 8.2 19.3 29.8 41.0 51.0 61.0 71.0 84.0 37.0 16.1 26.9 46.5 56.0 65.0 88.0 14.1 24.3 33.5 43.0 52.0 58.0 92.0 12.3 21.7 39.5 48.0 29.9 52.0 96.0 10.3 18.9 27.2 36.0 42.5 46.0 100.0 8.6 16.5 25.2 33.0 37.0 40.5 * n * 9 13 14 14 14 14 14 14 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 уу 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 50.0 0**-40** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB2 150 yy=17.5m 102m

HSL2DB2 --102m yy=20.0m

*** 344 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.31 CODE >1455< B181 7AC9 m > < t102.0 102.0 102.0 102.0 102.0 102.0 102.0 102.0 m 14.0 140.0 211.0 218.0 218.0 218.0 218.0 218.0 218.0 16.0 121.0 184.0 217.0 217.0 217.0 217.0 217.0 217.0 18.0 105.0 162.0 213.0 215.0 215.0 215.0 215.0 215.0 20.0 92.0 145.0 197.0 213.0 213.0 213.0 213.0 213.0 22.0 130.0 178.0 211.0 211.0 211.0 211.0 81.0 211.0 24.0 72.0 117.0 161.0 203.0 207.0 207.0 207.0 207.0 206.0 26.0 64.0 106.0 147.0 189.0 201.0 206.0 206.0 28.0 57.0 96.0 135.0 174.0 196.0 203.0 203.0 203.0 30.0 190.0 51.0 0.88 124.0 161.0 201.0 201.0 201.0 32.0 80.0 149.0 180.0 193.0 195.0 46.0 115.0 195.0 34.0 41.0 74.0 106.0 139.0 169.0 184.0 190.0 194.0 36.0 36.5 68.0 99.0 130.0 158.0 175.0 184.0 190.0 38.0 121.0 147.0 33.0 62.0 92.0 166.0 178.0 186.0 40.0 85.0 112.0 136.0 157.0 172.0 29.3 57.0 183.0 44.0 48.0 73.0 97.0 120.0 141.0 159.0 171.0 23.2 48.0 18.0 40.5 63.0 85.0 107.0 127.0 144.0 157.0 52.0 13.6 34.0 55.0 75.0 94.0 112.0 129.0 143.0 56.0 9.8 28.4 47.5 66.0 85.0 102.0 118.0 131.0 60.0 24.2 41.5 59.0 77.0 93.0 108.0 121.0 64.0 20.6 36.5 53.0 69.0 84.0 98.0 111.0 68.0 16.5 31.5 47.0 62.0 75.0 89.0 101.0 72.0 70.0 13.9 27.7 42.5 56.0 83.0 95.0 76.0 11.6 24.5 38.5 51.0 64.0 76.0 86.0 80.0 9.5 21.7 34.0 46.0 58.0 70.0 77.0 84.0 7.2 19.2 30.5 42.0 53.0 64.0 69.0 88.0 16.2 27.7 38.5 49.5 58.0 62.0 92.0 14.3 45.5 51.0 56.0 25.2 35.0 96.0 12.5 22.8 31.5 41.5 45.5 49.5 100.0 10.7 20.9 29.2 36.0 40.0 43.5 * n * 9 13 14 14 14 14 14 14 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 уу 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 50.0 0**-40 ⋓** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB2 150 yy=20.0m 102m

HSL2DB2 --108m yy=15.0m

*** 342 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.31 CODE >1457< B181 7BC7 m > < t108.0 108.0 108.0 108.0 108.0 108.0 108.0 108.0 m 16.0 116.0 165.0 199.0 199.0 199.0 199.0 199.0 199.0 18.0 101.0 146.0 190.0 199.0 199.0 199.0 199.0 199.0 20.0 89.0 130.0 170.0 194.0 199.0 199.0 199.0 199.0 22.0 78.0 116.0 153.0 188.0 199.0 199.0 199.0 199.0 24.0 174.0 198.0 198.0 198.0 198.0 69.0 104.0 139.0 26.0 62.0 94.0 127.0 159.0 186.0 191.0 191.0 191.0 28.0 55.0 85.0 116.0 146.0 174.0 184.0 192.0 195.0 30.0 78.0 177.0 49.0 106.0 135.0 161.0 189.0 193.0 32.0 186.0 43.5 71.0 98.0 125.0 149.0 170.0 191.0 34.0 140.0 176.0 39.0 65.0 90.0 116.0 160.0 183.0 36.0 35.0 59.0 83.0 108.0 131.0 150.0 166.0 175.0 38.0 31.0 54.0 77.0 100.0 122.0 140.0 157.0 167.0 40.0 131.0 147.0 27.5 49.5 72.0 94.0 113.0 158.0 44.0 112.0 128.0 142.0 21.4 41.5 61.0 81.0 97.0 48.0 16.3 52.0 70.0 86.0 101.0 116.0 129.0 34.5 52.0 11.9 28.4 44.5 61.0 76.0 90.0 103.0 116.0 56.0 8.2 23.8 38.5 53.0 66.0 79.0 91.0 104.0 60.0 19.8 32.5 47.0 60.0 72.0 83.0 95.0 64.0 15.6 28.1 41.5 53.0 65.0 76.0 87.0 68.0 12.7 24.4 36.5 47.0 58.0 68.0 79.0 72.0 10.1 21.1 31.5 41.5 52.0 61.0 71.0 76.0 37.5 47.0 56.0 7.5 18.2 28.0 66.0 80.0 14.9 25.0 33.5 42.5 51.0 60.0 84.0 12.7 21.8 29.5 38.0 46.5 55.0 88.0 10.7 18.9 26.1 34.0 42.5 50.0 92.0 8.5 16.4 23.2 31.0 39.0 44.5 96.0 14.0 6.5 20.3 28.2 35.5 38.5 100.0 11.7 17.7 25.4 30.0 33.0 104.0 10.1 15.9 22.4 25.3 28.1 108.0 9.1 14.7 17.7 20.4 23.2 * n * 7 10 12 12 12 12 12 12 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0**-40** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB2 150 yy=15.0m 108m

HSL2DB2 --108m yy=17.5m

*** 343 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.31 CODE >1459< B181 7BC8 m > < t108.0 108.0 108.0 108.0 108.0 108.0 108.0 108.0 m 16.0 116.0 172.0 199.0 199.0 199.0 199.0 199.0 199.0 18.0 101.0 152.0 199.0 199.0 199.0 199.0 199.0 199.0 20.0 89.0 135.0 181.0 198.0 199.0 199.0 199.0 199.0 22.0 78.0 121.0 163.0 196.0 199.0 199.0 199.0 199.0 24.0 148.0 188.0 198.0 198.0 198.0 198.0 69.0 109.0 26.0 62.0 98.0 135.0 172.0 189.0 194.0 194.0 194.0 28.0 55.0 89.0 124.0 158.0 180.0 191.0 195.0 195.0 30.0 49.0 81.0 114.0 146.0 172.0 187.0 193.0 193.0 32.0 135.0 43.5 74.0 105.0 163.0 183.0 191.0 191.0 34.0 126.0 153.0 183.0 39.0 68.0 97.0 173.0 186.0 36.0 35.0 62.0 90.0 117.0 144.0 164.0 175.0 180.0 38.0 31.0 57.0 83.0 109.0 134.0 154.0 166.0 174.0 40.0 102.0 125.0 27.5 52.0 77.0 144.0 158.0 169.0 44.0 107.0 126.0 142.0 21.4 44.5 66.0 88.0 157.0 48.0 16.3 37.5 57.0 77.0 113.0 129.0 143.0 96.0 52.0 11.9 30.5 49.0 67.0 85.0 101.0 116.0 130.0 56.0 8.2 25.5 42.5 59.0 74.0 89.0 103.0 116.0 60.0 21.4 37.0 52.0 67.0 81.0 95.0 107.0 64.0 17.0 31.5 46.0 60.0 73.0 86.0 99.0 68.0 14.1 27.3 41.0 54.0 66.0 78.0 90.0 72.0 11.5 23.8 37.0 48.0 59.0 71.0 82.0 76.0 55.0 65.0 76.0 9.1 20.8 32.0 43.5 80.0 18.1 39.0 49.5 60.0 28.6 69.0 84.0 14.9 25.6 35.0 45.0 55.0 61.0 88.0 12.8 22.4 31.5 41.0 50.0 54.0 92.0 44.5 10.8 19.7 28.6 37.5 48.0 96.0 8.7 17.0 34.0 38.5 25.8 42.0 100.0 6.9 14.6 23.2 29.8 33.0 36.5 104.0 5.2 13.0 21.1 24.8 28.1 31.5 108.0 11.9 16.8 20.0 23.2 26.4 * n * 7 11 12 12 12 12 12 12 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0**-40** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB2 150 yy=17.5m 108m

HSL2DB2 --108m yy=20.0m

*** 344 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.31 CODE >1461< B181 7BC9 m > < t108.0 108.0 108.0 108.0 108.0 108.0 108.0 108.0 m 16.0 116.0 178.0 199.0 199.0 199.0 199.0 199.0 199.0 18.0 101.0 158.0 199.0 199.0 199.0 199.0 199.0 199.0 20.0 89.0 140.0 191.0 199.0 199.0 199.0 199.0 199.0 22.0 78.0 126.0 173.0 199.0 199.0 199.0 199.0 199.0 24.0 198.0 198.0 198.0 198.0 198.0 69.0 113.0 157.0 26.0 62.0 103.0 144.0 185.0 193.0 197.0 197.0 197.0 28.0 55.0 93.0 132.0 170.0 187.0 195.0 195.0 195.0 30.0 121.0 157.0 49.0 85.0 181.0 193.0 193.0 193.0 32.0 146.0 43.5 78.0 112.0 176.0 191.0 191.0 191.0 34.0 104.0 136.0 182.0 185.0 39.0 71.0 166.0 185.0 36.0 35.0 65.0 96.0 127.0 156.0 173.0 179.0 184.0 38.0 31.0 60.0 89.0 119.0 146.0 164.0 173.0 181.0 40.0 136.0 155.0 27.5 55.0 83.0 111.0 167.0 177.0 44.0 117.0 138.0 155.0 169.0 21.4 47.0 72.0 96.0 48.0 16.3 84.0 106.0 125.0 142.0 155.0 39.5 61.0 52.0 11.9 32.5 53.0 74.0 94.0 112.0 128.0 142.0 56.0 8.2 27.3 46.0 65.0 82.0 99.0 115.0 128.0 60.0 23.1 40.5 58.0 75.0 91.0 106.0 119.0 64.0 19.4 34.5 51.0 68.0 82.0 97.0 110.0 68.0 15.4 30.0 45.5 61.0 74.0 88.0 101.0 72.0 12.8 26.5 41.0 55.0 67.0 0.08 91.0 76.0 50.0 62.0 74.0 10.4 23.3 37.0 82.0 80.0 8.2 20.5 32.5 45.5 57.0 68.0 73.0 84.0 17.0 29.1 41.0 52.0 61.0 66.0 88.0 37.0 14.9 26.1 47.5 54.0 58.0 92.0 13.0 23.7 33.5 43.5 47.5 52.0 96.0 21.2 37.5 41.5 10.9 30.5 45.5 100.0 9.0 18.7 27.3 32.0 36.0 40.0 104.0 7.3 16.0 23.4 27.2 31.0 34.5 108.0 5.8 14.6 18.7 22.3 25.9 29.5 * n * 7 11 12 12 12 12 12 12 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0**-40** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB2 150 yy=20.0m 108m

HSL2DB2 --114m yy=15.0m

LR 1600/2 -- 097949 typ1: D=28.0 mm *** 342 22.31 CODE >1463< B181 7CC7 m > < t114.0 114.0 114.0 114.0 114.0 114.0 114.0 114.0 m 173.0 173.0 16.0 112.0 160.0 173.0 173.0 173.0 173.0 18.0 98.0 141.0 173.0 174.0 174.0 174.0 174.0 174.0 20.0 86.0 126.0 166.0 173.0 173.0 173.0 173.0 173.0 22.0 76.0 112.0 149.0 171.0 173.0 173.0 173.0 173.0 24.0 101.0 135.0 169.0 173.0 173.0 173.0 173.0 67.0 26.0 59.0 91.0 123.0 155.0 169.0 171.0 171.0 171.0 161.0 28.0 53.0 83.0 113.0 143.0 167.0 172.0 172.0 30.0 164.0 47.0 75.0 103.0 132.0 153.0 171.0 171.0 32.0 122.0 41.5 68.0 95.0 144.0 160.0 170.0 170.0 88.0 34.0 37.0 136.0 156.0 168.0 62.0 113.0 168.0 36.0 33.0 57.0 81.0 105.0 128.0 147.0 160.0 162.0 38.0 29.2 52.0 75.0 98.0 120.0 138.0 152.0 156.0 40.0 25.8 47.5 69.0 91.0 112.0 130.0 143.0 151.0 44.0 112.0 127.0 19.8 40.0 60.0 80.0 97.0 139.0 48.0 14.8 33.5 51.0 69.0 84.0 114.0 127.0 99.0 52.0 10.5 27.4 43.5 60.0 75.0 89.0 102.0 115.0 56.0 22.8 37.5 52.0 66.0 79.0 91.0 104.0 60.0 18.6 31.5 45.5 58.0 69.0 81.0 93.0 64.0 14.7 27.1 40.5 52.0 63.0 74.0 85.0 68.0 11.6 23.4 35.5 47.0 57.0 67.0 78.0 72.0 8.7 20.2 30.5 41.5 51.0 61.0 70.0 76.0 45.0 55.0 16.4 26.4 36.5 64.0 80.0 14.0 23.3 33.0 41.0 51.0 59.0 84.0 11.8 20.1 29.3 37.0 46.0 54.0 88.0 9.8 17.0 25.6 33.0 42.0 47.5 92.0 7.6 14.4 22.4 29.5 38.0 41.0 96.0 12.6 19.9 27.0 32.5 35.5 100.0 10.8 17.4 24.3 27.2 30.0 104.0 8.9 14.8 19.5 22.4 25.2 108.0 7.5 12.4 15.1 17.8 20.5 112.0 5.6 8.2 10.8 13.4 16.1 * n * 7 10 11 11 11 11 11 11 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0**-40** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB2 150 yy=15.0m 114m

HSL2DB2 --114m yy=17.5m

*** 343 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.31 CODE >1465< B181 7CC8 m > < t114.0 114.0 114.0 114.0 114.0 114.0 114.0 114.0 m 173.0 173.0 16.0 112.0 167.0 173.0 173.0 173.0 173.0 18.0 98.0 147.0 174.0 174.0 174.0 174.0 174.0 174.0 20.0 86.0 131.0 170.0 173.0 173.0 173.0 173.0 173.0 22.0 76.0 117.0 159.0 173.0 173.0 173.0 173.0 173.0 24.0 144.0 173.0 173.0 173.0 173.0 173.0 67.0 106.0 26.0 59.0 96.0 132.0 168.0 170.0 170.0 170.0 170.0 28.0 53.0 87.0 121.0 154.0 165.0 171.0 171.0 171.0 30.0 111.0 47.0 79.0 143.0 160.0 171.0 171.0 171.0 32.0 132.0 155.0 41.5 72.0 102.0 170.0 170.0 170.0 34.0 37.0 94.0 149.0 168.0 168.0 66.0 123.0 168.0 36.0 33.0 60.0 87.0 114.0 140.0 159.0 162.0 162.0 38.0 29.2 55.0 81.0 107.0 132.0 150.0 156.0 162.0 40.0 142.0 25.8 51.0 75.0 100.0 124.0 151.0 158.0 44.0 107.0 124.0 139.0 19.8 42.5 65.0 87.0 151.0 48.0 14.8 35.5 76.0 111.0 127.0 141.0 56.0 94.0 52.0 10.5 29.3 47.5 66.0 84.0 100.0 115.0 129.0 56.0 24.6 41.5 58.0 74.0 89.0 103.0 117.0 60.0 20.5 36.0 51.0 65.0 79.0 92.0 105.0 64.0 16.1 30.0 45.0 59.0 72.0 85.0 97.0 68.0 13.2 26.3 40.0 53.0 65.0 77.0 89.0 72.0 10.4 22.8 35.5 47.0 58.0 70.0 81.0 76.0 42.0 53.0 64.0 74.0 7.7 19.8 31.0 80.0 16.3 27.6 38.0 48.5 59.0 66.0 84.0 14.0 24.7 34.0 44.5 54.0 58.0 88.0 11.9 21.6 30.0 40.5 47.5 51.0 92.0 9.9 18.8 26.9 36.5 41.0 45.0 96.0 7.8 16.4 35.5 24.5 32.0 39.0 100.0 5.9 22.2 26.7 30.0 33.5 14.1 104.0 11.8 18.6 21.9 25.2 28.5 108.0 10.2 14.2 17.4 20.5 23.7 112.0 13.0 6.9 10.0 16.1 19.1 * n * 7 10 11 11 11 11 11 11 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 уу 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 50.0 0**-40 ⋓** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB2 150 yy=17.5m 114m

HSL2DB2 --114m yy=20.0m

*** 344 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.31 CODE >1467< B181 7CC9 m > < t114.0 114.0 114.0 114.0 114.0 114.0 114.0 114.0 m 173.0 173.0 16.0 112.0 173.0 173.0 173.0 173.0 173.0 18.0 98.0 153.0 174.0 174.0 174.0 174.0 174.0 174.0 20.0 86.0 136.0 171.0 173.0 173.0 173.0 173.0 173.0 22.0 76.0 122.0 167.0 173.0 173.0 173.0 173.0 173.0 24.0 153.0 173.0 173.0 173.0 173.0 173.0 67.0 110.0 26.0 59.0 100.0 140.0 169.0 171.0 171.0 171.0 171.0 169.0 28.0 53.0 91.0 128.0 161.0 171.0 171.0 171.0 30.0 118.0 47.0 83.0 152.0 167.0 171.0 171.0 171.0 32.0 143.0 165.0 41.5 75.0 109.0 170.0 170.0 170.0 34.0 37.0 101.0 133.0 161.0 168.0 169.0 69.0 169.0 36.0 33.0 63.0 94.0 124.0 152.0 161.0 165.0 165.0 38.0 29.2 58.0 87.0 116.0 143.0 155.0 161.0 165.0 40.0 109.0 148.0 25.8 53.0 81.0 135.0 157.0 162.0 44.0 95.0 117.0 135.0 149.0 158.0 19.8 45.0 70.0 48.0 14.8 83.0 103.0 122.0 139.0 150.0 38.0 60.0 52.0 10.5 31.5 52.0 73.0 93.0 110.0 127.0 139.0 56.0 26.3 45.0 64.0 82.0 99.0 115.0 127.0 60.0 22.1 39.5 57.0 73.0 88.0 104.0 117.0 64.0 18.5 33.5 50.0 66.0 81.0 96.0 109.0 68.0 14.5 29.1 44.5 60.0 74.0 88.0 99.0 72.0 11.9 25.5 40.0 53.0 66.0 79.0 88.0 76.0 48.0 60.0 73.0 9.3 22.3 36.0 79.0 80.0 43.5 56.0 65.0 70.0 19.5 31.5 84.0 16.1 28.1 39.5 51.0 58.0 62.0 88.0 14.0 25.3 35.0 46.0 51.0 55.0 92.0 12.0 22.1 31.5 40.0 44.5 48.5 96.0 10.0 34.5 38.5 19.6 29.0 42.5 100.0 8.0 17.1 25.2 29.2 33.0 37.0 104.0 6.2 14.6 20.5 24.3 28.0 32.0 108.0 12.4 16.0 19.6 23.3 26.9 112.0 8.2 11.7 15.2 18.7 22.2 * n * 7 11 11 11 11 11 11 11 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0**-40 ⋓** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB2 150 yy=20.0m 114m

1 (1)

HSL2DB2 --120m yy=15.0m

*** 342 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.31 CODE >1469< B181 7DC7 m > < t120.0 120.0 120.0 120.0 120.0 120.0 120.0 120.0 m 16.0 109.0 152.0 152.0 152.0 152.0 152.0 152.0 152.0 18.0 96.0 138.0 151.0 151.0 151.0 151.0 151.0 151.0 20.0 84.0 123.0 151.0 151.0 151.0 151.0 151.0 151.0 22.0 74.0 110.0 145.0 150.0 150.0 150.0 150.0 150.0 24.0 99.0 150.0 150.0 150.0 150.0 150.0 66.0 133.0 26.0 58.0 90.0 121.0 149.0 149.0 149.0 149.0 149.0 28.0 52.0 81.0 111.0 140.0 145.0 149.0 149.0 149.0 30.0 46.0 74.0 102.0 130.0 141.0 148.0 148.0 148.0 32.0 41.0 67.0 94.0 120.0 136.0 148.0 148.0 148.0 34.0 131.0 147.0 147.0 36.5 61.0 86.0 111.0 147.0 36.0 32.5 56.0 80.0 104.0 125.0 143.0 144.0 144.0 38.0 28.6 51.0 74.0 97.0 118.0 136.0 139.0 139.0 40.0 25.2 47.0 69.0 90.0 111.0 128.0 133.0 138.0 44.0 113.0 123.0 132.0 19.4 39.0 59.0 79.0 97.0 48.0 14.4 32.5 51.0 83.0 97.0 112.0 125.0 68.0 52.0 10.1 27.2 43.5 60.0 74.0 88.0 102.0 114.0 56.0 22.4 37.5 52.0 66.0 79.0 92.0 104.0 60.0 18.2 31.5 45.5 58.0 70.0 81.0 93.0 64.0 14.5 26.9 40.0 51.0 62.0 73.0 84.0 68.0 11.2 23.2 34.5 46.0 57.0 67.0 77.0 72.0 8.3 19.9 30.5 41.0 51.0 61.0 71.0 76.0 35.5 45.5 54.0 64.0 16.2 26.8 80.0 13.7 23.2 31.5 40.5 49.0 58.0 84.0 11.5 20.3 28.5 37.0 45.0 51.0 88.0 9.5 17.4 25.5 33.0 41.0 44.5 92.0 7.4 14.6 22.5 29.6 35.0 38.5 96.0 12.0 19.6 26.3 29.7 33.0 100.0 10.3 17.3 21.6 24.6 27.5 104.0 8.7 14.1 17.0 19.8 22.6 108.0 7.0 9.9 12.6 15.3 18.0 112.0 13.7 5.9 8.5 11.1 116.0 9.6 7.1 120.0 5.5 * n * 7 9 9 9 9 9 9 9 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0**-40 ⋓** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB2 150 yy=15.0m 120m

HSL2DB2 --120m yy=17.5m

*** 343 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.31 CODE >4171< B181 7DC8 m > < t120.0 120.0 120.0 120.0 120.0 120.0 120.0 120.0 m 16.0 109.0 152.0 152.0 152.0 152.0 152.0 152.0 152.0 18.0 96.0 144.0 151.0 151.0 151.0 151.0 151.0 151.0 20.0 84.0 128.0 151.0 151.0 151.0 151.0 151.0 151.0 22.0 74.0 115.0 147.0 150.0 150.0 150.0 150.0 150.0 24.0 142.0 150.0 150.0 150.0 150.0 150.0 66.0 104.0 26.0 58.0 94.0 129.0 149.0 149.0 149.0 149.0 149.0 28.0 52.0 85.0 119.0 144.0 148.0 148.0 148.0 148.0 30.0 46.0 78.0 109.0 137.0 146.0 148.0 148.0 148.0 32.0 130.0 41.0 71.0 101.0 144.0 148.0 148.0 148.0 34.0 142.0 147.0 147.0 36.5 65.0 93.0 121.0 147.0 36.0 32.5 59.0 86.0 113.0 137.0 144.0 145.0 145.0 38.0 28.6 54.0 80.0 105.0 130.0 138.0 142.0 142.0 40.0 122.0 25.2 49.5 74.0 99.0 132.0 138.0 144.0 44.0 87.0 107.0 120.0 132.0 19.4 42.0 64.0 141.0 48.0 14.4 35.0 75.0 92.0 109.0 125.0 138.0 56.0 52.0 10.1 29.1 47.5 66.0 83.0 99.0 114.0 128.0 56.0 24.4 41.0 58.0 74.0 89.0 103.0 117.0 60.0 20.1 35.5 51.0 65.0 79.0 93.0 106.0 64.0 15.9 30.0 45.0 58.0 71.0 84.0 96.0 68.0 13.0 26.1 40.0 53.0 65.0 77.0 89.0 72.0 9.9 22.6 35.0 47.5 59.0 70.0 80.0 76.0 7.2 42.5 53.0 64.0 19.4 30.5 71.0 80.0 16.0 38.0 47.5 58.0 63.0 26.9 84.0 13.7 23.8 34.5 43.5 51.0 55.0 88.0 11.6 20.7 30.5 39.5 44.5 48.5 92.0 9.6 17.7 27.1 34.5 38.5 42.0 96.0 7.5 14.9 23.7 29.2 33.0 36.5 100.0 5.6 13.2 20.7 24.1 27.5 31.0 104.0 11.5 16.0 19.3 22.6 25.9 108.0 8.5 11.7 14.9 18.0 21.2 112.0 10.7 13.7 7.6 16.8 116.0 6.7 9.6 12.6 * n * 7 9 9 9 9 9 9 9 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 уу 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 50.0 0**-40 ⋓** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB2 150 yy=17.5m 120m

HSL2DB2 --120m yy=20.0m

*** 344 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.31 CODE >1473< B181 7DC9 m > < t120.0 120.0 120.0 120.0 120.0 120.0 120.0 120.0 m 16.0 109.0 152.0 152.0 152.0 152.0 152.0 152.0 152.0 18.0 96.0 150.0 151.0 151.0 151.0 151.0 151.0 151.0 20.0 84.0 133.0 151.0 151.0 151.0 151.0 151.0 151.0 22.0 74.0 120.0 150.0 150.0 150.0 150.0 150.0 150.0 24.0 149.0 150.0 150.0 150.0 150.0 150.0 66.0 108.0 26.0 58.0 98.0 138.0 149.0 149.0 149.0 149.0 149.0 28.0 52.0 89.0 126.0 145.0 149.0 149.0 149.0 149.0 30.0 116.0 46.0 81.0 140.0 148.0 148.0 148.0 148.0 32.0 136.0 41.0 74.0 108.0 147.0 148.0 148.0 148.0 100.0 34.0 131.0 147.0 147.0 147.0 36.5 68.0 147.0 36.0 32.5 62.0 92.0 122.0 143.0 145.0 145.0 145.0 38.0 28.6 57.0 86.0 114.0 136.0 141.0 144.0 144.0 40.0 107.0 25.2 53.0 80.0 129.0 136.0 143.0 145.0 44.0 115.0 128.0 140.0 19.4 44.5 70.0 94.0 144.0 48.0 14.4 37.5 82.0 102.0 120.0 136.0 142.0 60.0 52.0 10.1 31.0 52.0 72.0 92.0 110.0 125.0 133.0 56.0 26.1 44.5 64.0 83.0 99.0 115.0 124.0 60.0 21.9 39.0 57.0 73.0 88.0 104.0 116.0 64.0 18.2 33.5 50.0 65.0 80.0 95.0 107.0 68.0 14.3 28.9 44.5 60.0 73.0 87.0 96.0 72.0 11.6 25.3 40.0 54.0 67.0 80.0 85.0 76.0 8.8 48.0 60.0 71.0 22.1 35.0 76.0 80.0 19.2 43.0 55.0 62.0 67.0 31.0 84.0 50.0 15.9 27.8 39.5 55.0 59.0 88.0 13.7 25.0 35.5 43.5 48.0 52.0 92.0 11.7 22.3 31.5 37.5 41.5 46.0 96.0 9.7 19.5 27.7 32.0 36.0 40.0 100.0 7.7 17.2 22.6 26.5 30.5 34.5 104.0 5.8 14.1 17.9 21.7 25.5 29.2 108.0 9.9 13.5 17.1 20.8 24.4 112.0 9.4 12.9 19.9 5.9 16.4 116.0 5.4 8.8 12.2 15.5 * n * 7 9 9 9 9 9 9 9 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 уу 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 50.0 0**-40 ⋓** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB2 150 yy=20.0m 120m

HSL2DB2 --126m yy=15.0m

*** 342 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.31 CODE >1475< B181 7EC7 m > < t126.0 126.0 126.0 126.0 126.0 126.0 126.0 126.0 m 18.0 93.0 133.0 133.0 133.0 133.0 133.0 133.0 133.0 20.0 82.0 120.0 132.0 132.0 132.0 132.0 132.0 132.0 22.0 72.0 108.0 131.0 132.0 132.0 132.0 132.0 132.0 132.0 24.0 64.0 97.0 128.0 132.0 132.0 132.0 132.0 26.0 0.88 119.0 131.0 131.0 131.0 131.0 57.0 131.0 28.0 50.0 0.08 109.0 130.0 130.0 130.0 130.0 130.0 30.0 45.0 72.0 100.0 123.0 128.0 130.0 130.0 130.0 32.0 40.0 66.0 92.0 117.0 126.0 129.0 129.0 129.0 34.0 109.0 123.0 129.0 129.0 35.5 60.0 85.0 129.0 36.0 78.0 102.0 121.0 128.0 128.0 31.5 55.0 128.0 38.0 27.7 50.0 72.0 95.0 116.0 124.0 125.0 125.0 40.0 24.4 46.0 67.0 89.0 110.0 118.0 122.0 122.0 44.0 97.0 107.0 18.6 38.5 58.0 78.0 115.0 121.0 48.0 50.0 108.0 13.7 32.0 68.0 84.0 96.0 117.0 52.0 43.0 59.0 73.0 86.0 100.0 111.0 26.4 56.0 21.6 37.0 51.0 66.0 78.0 91.0 102.0 60.0 17.4 31.0 45.0 58.0 70.0 82.0 92.0 64.0 13.8 26.5 39.5 50.0 61.0 72.0 83.0 68.0 10.5 22.8 34.0 45.0 56.0 66.0 76.0 72.0 7.6 19.5 29.8 40.5 51.0 60.0 70.0 76.0 15.8 26.4 35.5 45.5 54.0 63.0 80.0 31.0 40.5 49.0 55.0 13.3 22.8 84.0 11.0 19.6 27.1 36.5 44.0 48.0 88.0 9.0 17.0 24.2 33.0 38.0 41.5 92.0 6.8 14.4 21.2 28.8 32.0 35.0 96.0 26.4 11.9 18.3 23.4 29.5 100.0 9.4 15.5 18.4 21.3 24.3 104.0 7.9 10.9 13.8 16.6 19.4 108.0 6.7 9.5 12.2 14.9 112.0 5.4 8.0 10.7 116.0 6.7 * n * 6 8 8 8 8 8 8 8 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0-40 m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB2 150 yy=15.0m 126m

HSL2DB2 --126m yy=17.5m

*** 343 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.31 CODE >1477< B181 7EC8 m > < t126.0 126.0 126.0 126.0 126.0 126.0 126.0 126.0 m 18.0 93.0 133.0 133.0 133.0 133.0 133.0 133.0 133.0 20.0 82.0 125.0 132.0 132.0 132.0 132.0 132.0 132.0 22.0 72.0 112.0 132.0 132.0 132.0 132.0 132.0 132.0 132.0 24.0 64.0 101.0 132.0 132.0 132.0 132.0 132.0 26.0 92.0 127.0 131.0 131.0 131.0 131.0 57.0 131.0 28.0 50.0 83.0 116.0 130.0 131.0 131.0 131.0 131.0 30.0 45.0 76.0 107.0 125.0 130.0 130.0 130.0 130.0 32.0 40.0 69.0 99.0 121.0 129.0 129.0 129.0 129.0 34.0 129.0 129.0 129.0 35.5 63.0 91.0 117.0 129.0 36.0 85.0 128.0 128.0 128.0 31.5 58.0 111.0 128.0 38.0 27.7 53.0 78.0 104.0 123.0 125.0 125.0 125.0 40.0 24.4 48.5 73.0 97.0 117.0 121.0 124.0 124.0 44.0 105.0 18.6 41.0 63.0 85.0 113.0 121.0 121.0 48.0 55.0 75.0 106.0 117.0 13.7 34.5 92.0 117.0 52.0 47.0 65.0 82.0 97.0 28.6 111.0 112.0 56.0 23.7 40.5 57.0 74.0 88.0 101.0 106.0 60.0 19.4 34.5 50.0 66.0 79.0 92.0 100.0 64.0 15.5 29.5 44.5 58.0 70.0 83.0 94.0 68.0 12.2 25.6 39.5 52.0 64.0 76.0 87.0 72.0 9.2 22.2 34.5 47.0 58.0 70.0 77.0 76.0 6.5 19.1 30.0 41.5 53.0 63.0 68.0 80.0 36.5 47.5 55.0 60.0 15.6 26.6 84.0 13.2 23.2 32.5 43.0 48.0 52.0 88.0 11.1 20.5 29.7 37.5 41.5 45.0 92.0 17.7 9.2 26.7 31.5 35.0 39.0 96.0 7.0 14.9 22.4 25.9 29.5 33.0 100.0 12.3 17.4 24.3 20.9 27.7 104.0 12.9 16.2 19.5 22.8 9.6 108.0 5.4 8.6 11.7 14.9 18.1 112.0 7.6 10.7 13.7 116.0 9.6 6.7 120.0 5.7 * n * 6 8 8 8 8 8 8 8 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 уу 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 50.0 0**-40 ⋓** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB2 150 yy=17.5m 126m

HSL2DB2 --126m yy=20.0m

*** 344 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.31 CODE >1479< B181 7EC9 m > < t126.0 126.0 126.0 126.0 126.0 126.0 126.0 126.0 m 18.0 93.0 133.0 133.0 133.0 133.0 133.0 133.0 133.0 20.0 82.0 130.0 132.0 132.0 132.0 132.0 132.0 132.0 22.0 72.0 117.0 132.0 132.0 132.0 132.0 132.0 132.0 132.0 24.0 64.0 106.0 132.0 132.0 132.0 132.0 132.0 26.0 96.0 131.0 131.0 131.0 131.0 131.0 57.0 131.0 28.0 50.0 87.0 124.0 130.0 131.0 131.0 131.0 131.0 30.0 45.0 0.08 114.0 128.0 130.0 130.0 130.0 130.0 32.0 73.0 40.0 106.0 125.0 129.0 129.0 129.0 129.0 34.0 129.0 129.0 129.0 35.5 67.0 98.0 123.0 129.0 36.0 120.0 128.0 128.0 128.0 31.5 61.0 91.0 128.0 38.0 27.7 56.0 84.0 113.0 124.0 126.0 126.0 126.0 40.0 24.4 51.0 79.0 105.0 119.0 124.0 124.0 124.0 44.0 109.0 119.0 18.6 43.5 68.0 93.0 120.0 120.0 48.0 82.0 100.0 115.0 117.0 117.0 13.7 36.5 59.0 52.0 51.0 72.0 90.0 108.0 112.0 30.5 113.0 56.0 25.7 44.0 63.0 82.0 98.0 105.0 110.0 60.0 21.4 38.5 56.0 73.0 89.0 99.0 107.0 64.0 16.9 33.0 49.5 65.0 79.0 92.0 104.0 68.0 13.9 28.5 44.0 59.0 72.0 86.0 92.0 72.0 10.9 24.8 39.5 53.0 66.0 76.0 82.0 76.0 8.1 21.6 34.5 48.0 60.0 67.0 72.0 80.0 43.0 54.0 59.0 64.0 18.4 30.5 84.0 15.4 38.5 47.0 51.0 56.0 26.9 88.0 13.2 24.0 35.0 40.0 44.5 49.0 92.0 11.2 21.0 29.8 34.0 38.5 42.5 96.0 9.2 18.1 24.4 28.5 32.5 36.5 100.0 7.2 15.3 19.4 27.3 23.3 31.0 104.0 5.3 11.0 14.7 18.5 22.3 26.1 108.0 6.7 10.4 14.0 17.6 21.3 112.0 6.3 9.8 13.3 16.8 116.0 9.2 12.6 5.8 120.0 5.3 8.6 * n * 6 8 8 8 8 8 8 8 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0**-40 ⋓** m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB2 150 yy=20.0m 126m

1 (1)

HSL2DB2 --132m yy=15.0m

*** 342 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.31 CODE >1481< B181 7FC7 m > < t132.0 132.0 132.0 132.0 132.0 132.0 132.0 132.0 m 18.0 90.0 111.0 111.0 111.0 111.0 111.0 111.0 111.0 20.0 79.0 110.0 110.0 110.0 110.0 110.0 110.0 110.0 22.0 70.0 105.0 109.0 109.0 109.0 109.0 109.0 109.0 108.0 108.0 108.0 24.0 62.0 95.0 108.0 108.0 108.0 26.0 86.0 107.0 107.0 107.0 107.0 107.0 107.0 55.0 28.0 49.0 78.0 105.0 105.0 105.0 105.0 105.0 105.0 43.5 30.0 71.0 98.0 103.0 105.0 105.0 105.0 105.0 32.0 104.0 38.5 64.0 90.0 101.0 104.0 104.0 104.0 99.0 34.0 103.0 103.0 34.0 59.0 83.0 103.0 103.0 36.0 30.0 97.0 103.0 103.0 103.0 53.0 77.0 103.0 38.0 26.6 49.0 71.0 93.0 102.0 102.0 102.0 102.0 40.0 23.4 44.5 66.0 87.0 98.0 100.0 100.0 100.0 44.0 100.0 17.6 37.0 57.0 76.0 89.0 94.0 101.0 48.0 80.0 89.0 12.8 31.0 49.0 67.0 98.0 101.0 52.0 8.6 25.4 42.0 71.0 84.0 97.0 100.0 58.0 56.0 20.7 36.5 51.0 64.0 77.0 89.0 94.0 60.0 16.6 30.0 44.5 57.0 69.0 81.0 87.0 64.0 12.9 26.0 39.0 51.0 61.0 73.0 81.0 68.0 9.7 22.2 33.0 44.0 54.0 64.0 74.0 72.0 6.8 19.0 29.2 39.5 49.5 59.0 69.0 76.0 15.3 25.4 35.5 44.5 54.0 60.0 80.0 40.0 48.5 52.0 12.8 21.6 31.0 84.0 10.6 17.8 26.9 35.0 41.5 45.0 88.0 8.2 15.2 23.6 31.5 35.0 38.5 92.0 13.2 20.9 25.8 29.0 32.0 96.0 17.4 11.2 20.5 23.6 26.6 100.0 9.2 12.6 15.5 18.5 21.4 104.0 5.3 10.9 13.8 16.6 8.1 108.0 6.7 9.4 12.1 112.0 5.3 7.9 * n * 6 7 7 7 7 7 7 7 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0-10 m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB2 150 yy=15.0m 132m

HSL2DB2 --132m yy=17.5m

*** 343 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.31 CODE >1483< B181 7FC8 m > < t132.0 132.0 132.0 132.0 132.0 132.0 132.0 132.0 m 18.0 90.0 111.0 111.0 111.0 111.0 111.0 111.0 111.0 20.0 79.0 110.0 110.0 110.0 110.0 110.0 110.0 110.0 22.0 70.0 109.0 109.0 109.0 109.0 109.0 109.0 109.0 108.0 108.0 24.0 62.0 99.0 108.0 108.0 108.0 108.0 26.0 90.0 107.0 107.0 107.0 107.0 107.0 107.0 55.0 28.0 49.0 81.0 105.0 105.0 105.0 105.0 105.0 105.0 105.0 30.0 43.5 74.0 102.0 105.0 105.0 105.0 105.0 32.0 104.0 104.0 38.5 68.0 97.0 104.0 104.0 104.0 34.0 104.0 34.0 62.0 89.0 104.0 104.0 104.0 104.0 30.0 36.0 83.0 103.0 103.0 103.0 103.0 56.0 103.0 38.0 26.6 52.0 77.0 102.0 102.0 102.0 102.0 102.0 40.0 23.4 47.5 71.0 95.0 99.0 101.0 101.0 101.0 44.0 101.0 17.6 39.5 62.0 83.0 93.0 99.0 101.0 48.0 86.0 96.0 101.0 12.8 33.0 54.0 73.0 101.0 52.0 8.6 27.6 46.5 65.0 80.0 94.0 100.0 100.0 56.0 22.8 40.0 57.0 73.0 87.0 94.0 97.0 60.0 18.5 34.0 49.5 65.0 79.0 87.0 93.0 64.0 14.8 29.0 44.0 58.0 70.0 81.0 90.0 68.0 11.4 25.1 39.0 50.0 62.0 74.0 84.0 72.0 8.5 21.6 33.5 45.5 57.0 69.0 74.0 76.0 18.6 29.6 41.0 52.0 60.0 65.0 80.0 36.5 47.5 52.0 57.0 15.1 26.3 84.0 12.8 23.0 32.0 41.0 45.0 49.0 88.0 10.6 20.0 28.3 34.5 38.5 42.5 92.0 17.5 8.7 24.8 28.5 32.0 36.0 96.0 6.6 14.9 19.5 23.1 26.6 30.0 100.0 11.1 14.6 18.0 21.4 24.9 104.0 6.7 10.0 13.3 16.6 19.9 108.0 5.8 8.9 12.1 15.3 112.0 7.9 11.0 116.0 6.9 * n * 6 7 7 7 7 7 7 7 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0-10 m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB2 150 yy=17.5m 132m

HSL2DB2 --132m yy=20.0m

*** 344 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.31 CODE >1485< B181 7FC9 m > < t132.0 132.0 132.0 132.0 132.0 132.0 132.0 132.0 m 18.0 90.0 111.0 111.0 111.0 111.0 111.0 111.0 111.0 20.0 79.0 110.0 110.0 110.0 110.0 110.0 110.0 110.0 22.0 70.0 109.0 109.0 109.0 109.0 109.0 109.0 109.0 108.0 108.0 108.0 24.0 62.0 103.0 108.0 108.0 108.0 26.0 107.0 107.0 107.0 107.0 107.0 107.0 55.0 94.0 28.0 49.0 85.0 105.0 105.0 105.0 105.0 105.0 105.0 43.5 105.0 30.0 78.0 103.0 105.0 105.0 105.0 105.0 32.0 71.0 104.0 38.5 99.0 104.0 104.0 104.0 104.0 34.0 103.0 103.0 103.0 34.0 65.0 96.0 103.0 103.0 89.0 36.0 30.0 103.0 103.0 103.0 103.0 60.0 103.0 38.0 26.6 55.0 83.0 102.0 102.0 102.0 102.0 102.0 40.0 23.4 50.0 77.0 98.0 100.0 100.0 100.0 100.0 44.0 101.0 101.0 17.6 42.5 67.0 89.0 96.0 101.0 48.0 80.0 92.0 101.0 101.0 12.8 35.5 58.0 101.0 52.0 8.6 50.0 71.0 0.88 100.0 100.0 100.0 29.8 56.0 24.8 43.5 62.0 0.08 93.0 96.0 97.0 60.0 20.5 38.0 55.0 73.0 86.0 92.0 95.0 64.0 16.4 32.5 49.0 65.0 78.0 88.0 92.0 68.0 13.2 27.9 43.5 57.0 71.0 84.0 89.0 72.0 10.1 24.3 38.5 52.0 65.0 73.0 79.0 76.0 7.4 21.1 34.0 47.5 59.0 64.0 69.0 80.0 42.5 51.0 56.0 18.3 29.9 61.0 84.0 14.9 26.5 37.5 44.0 48.5 53.0 88.0 12.7 23.4 33.0 37.0 41.5 46.0 92.0 20.7 10.7 26.9 31.0 35.5 39.5 96.0 17.4 8.9 21.5 25.6 29.7 34.0 100.0 12.6 16.5 20.5 24.4 6.8 28.3 104.0 8.1 11.9 15.7 19.5 23.2 108.0 7.6 11.2 14.9 18.5 112.0 7.1 10.6 14.1 116.0 9.9 6.5 120.0 6.0 * n * 6 7 7 7 7 7 7 7 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0.0 0-10 m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB2 150 yy=20.0m 132m

HSL2DB2 --138m yy=15.0m

*** 342 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.31 CODE >1487< B181 80C7 m > < t138.0 138.0 138.0 138.0 138.0 138.0 138.0 138.0 m 18.0 88.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 20.0 77.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 22.0 68.0 92.0 93.0 93.0 93.0 93.0 93.0 93.0 24.0 60.0 91.0 92.0 92.0 92.0 92.0 92.0 92.0 26.0 91.0 91.0 91.0 91.0 91.0 91.0 54.0 84.0 28.0 47.5 76.0 91.0 91.0 91.0 91.0 91.0 91.0 30.0 42.5 69.0 90.0 90.0 90.0 90.0 90.0 90.0 32.0 63.0 37.5 86.0 90.0 90.0 90.0 90.0 90.0 34.0 89.0 89.0 33.0 57.0 81.0 89.0 89.0 89.0 89.0 89.0 36.0 89.0 89.0 29.3 52.0 75.0 89.0 38.0 25.8 48.0 70.0 89.0 89.0 89.0 89.0 89.0 40.0 22.6 43.5 65.0 85.0 88.0 88.0 88.0 88.0 44.0 17.0 85.0 36.5 56.0 74.0 82.0 87.0 87.0 48.0 48.0 65.0 76.0 85.0 12.2 30.0 83.0 85.0 52.0 8.0 24.7 41.0 57.0 69.0 80.0 83.0 83.0 56.0 20.0 35.5 50.0 63.0 75.0 80.0 81.0 60.0 15.9 29.8 44.0 57.0 68.0 74.0 78.0 64.0 12.3 25.5 38.5 51.0 61.0 69.0 74.0 68.0 9.1 21.8 33.0 44.5 54.0 63.0 71.0 72.0 6.2 18.6 28.1 39.0 48.5 58.0 66.0 76.0 14.9 24.8 35.0 44.0 53.0 57.0 80.0 31.0 39.5 45.0 49.0 12.4 21.4 84.0 10.0 18.1 27.1 34.5 38.0 41.5 88.0 7.6 14.7 23.2 28.3 31.5 35.0 92.0 12.4 19.3 22.5 25.7 28.9 96.0 20.2 10.6 14.1 17.1 23.3 100.0 9.2 12.2 6.3 15.1 18.1 104.0 7.6 10.4 13.3 108.0 6.1 8.8 * n * 6 6 6 6 6 6 6 6 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0-40 m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB2 150 yy=15.0m 138m

HSL2DB2 --138m yy=17.5m

*** 343 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.31 CODE >1489< B181 80C8 m > < t138.0 138.0 138.0 138.0 138.0 138.0 138.0 138.0 m 18.0 88.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 20.0 77.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 22.0 68.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 24.0 60.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 26.0 88.0 91.0 91.0 91.0 91.0 91.0 91.0 54.0 28.0 47.5 80.0 90.0 91.0 91.0 91.0 91.0 91.0 30.0 42.5 73.0 90.0 90.0 90.0 90.0 90.0 90.0 32.0 37.5 66.0 87.0 90.0 90.0 90.0 90.0 90.0 34.0 90.0 90.0 33.0 61.0 84.0 90.0 90.0 90.0 89.0 89.0 36.0 89.0 89.0 29.3 55.0 81.0 89.0 38.0 25.8 51.0 75.0 89.0 89.0 89.0 89.0 89.0 40.0 22.6 46.5 70.0 88.0 88.0 88.0 88.0 88.0 44.0 17.0 87.0 39.0 60.0 80.0 84.0 87.0 87.0 48.0 80.0 85.0 85.0 12.2 32.5 52.0 72.0 85.0 52.0 45.5 76.0 83.0 83.0 83.0 26.9 63.0 56.0 22.1 39.5 56.0 71.0 80.0 81.0 81.0 60.0 17.9 33.5 49.0 64.0 74.0 77.0 78.0 64.0 14.2 28.6 43.5 57.0 68.0 74.0 76.0 68.0 10.8 24.7 38.5 51.0 62.0 71.0 74.0 72.0 7.9 21.2 33.0 44.5 56.0 66.0 71.0 76.0 18.2 29.2 40.5 52.0 57.0 61.0 80.0 14.7 36.5 44.5 49.0 53.0 25.5 84.0 12.4 21.7 32.0 37.5 41.5 45.5 88.0 10.0 18.0 27.2 31.0 35.0 39.0 92.0 15.6 8.0 21.4 25.2 28.9 32.5 96.0 5.9 19.7 12.5 16.1 23.3 26.9 100.0 7.8 11.2 14.7 18.1 21.5 104.0 6.7 10.0 13.3 16.6 108.0 5.6 8.8 12.0 112.0 7.7 * n * 6 6 6 6 6 6 6 6 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0-40 m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB2 150 yy=17.5m 138m

1 (1)

HSL2DB2 --138m yy=20.0m

*** 344 LR 1600/2 -- 097949 typ1: D=28.0 mm 22.31 CODE >1491< B181 80C9 m > < t138.0 138.0 138.0 138.0 138.0 138.0 138.0 138.0 m 18.0 88.0 95.0 95.0 95.0 95.0 95.0 95.0 95.0 20.0 77.0 94.0 94.0 94.0 94.0 94.0 94.0 94.0 22.0 68.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 24.0 60.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0 26.0 91.0 91.0 91.0 91.0 91.0 91.0 91.0 54.0 28.0 47.5 84.0 91.0 91.0 91.0 91.0 91.0 91.0 30.0 42.5 76.0 90.0 90.0 90.0 90.0 90.0 90.0 32.0 37.5 70.0 88.0 90.0 90.0 90.0 90.0 90.0 34.0 90.0 90.0 33.0 64.0 87.0 90.0 90.0 90.0 89.0 89.0 36.0 89.0 89.0 29.3 58.0 85.0 89.0 38.0 25.8 54.0 81.0 89.0 89.0 89.0 89.0 89.0 40.0 22.6 49.0 75.0 88.0 88.0 88.0 88.0 88.0 44.0 87.0 17.0 41.5 65.0 82.0 86.0 87.0 87.0 48.0 75.0 85.0 12.2 35.0 57.0 84.0 85.0 85.0 52.0 8.0 29.1 49.5 69.0 82.0 83.0 83.0 83.0 56.0 24.1 43.0 62.0 79.0 80.0 80.0 80.0 60.0 19.8 37.5 55.0 72.0 76.0 78.0 78.0 64.0 16.0 32.0 48.5 64.0 72.0 76.0 76.0 68.0 12.6 27.5 43.0 57.0 68.0 74.0 74.0 72.0 9.5 23.9 38.5 51.0 64.0 70.0 72.0 76.0 6.8 20.7 33.5 46.5 56.0 61.0 66.0 80.0 42.0 47.5 53.0 58.0 17.0 29.5 84.0 14.5 26.3 36.0 40.5 45.0 50.0 88.0 12.3 23.1 29.4 34.0 38.5 43.0 92.0 10.1 19.3 23.6 27.8 32.0 36.5 96.0 8.3 14.1 18.2 22.3 26.3 30.5 100.0 13.2 17.1 21.0 25.0 5.4 9.3 104.0 8.6 12.4 16.1 19.9 108.0 7.9 11.6 15.2 112.0 7.3 10.8 116.0 6.7 * n * 6 6 6 6 6 6 6 6 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0 уу 50.0 100.0 150.0 200.0 250.0 300.0 350.0 ΖZ 0-40 m/s 12.8 12.8 12.8 12.8 12.8 12.8 12.8 12.8 HSL2DB2 150 yy=20.0m 138m

