CLIENT:	GS ENG. & CONST. CO	DRP.
PROJECT TITLE:	Bahrain LNG Import Terr	minal
JOB NUMBER:	KKSL16-0106	
EQUIPMENT NUMBER:	P-1005A/B	
EQUIPMENT SERVICE:	Potable Water Pump	s
SERIAL NUMBER:		
REQ / SPEC NO:		
PURCH ORDER NO.		
COMMENTS:		
РИМР	DATASHEETS ITEM No. P-1005A/B	ATT
MOTOR GEAR	P-1005A/B	0
TURBINI		0
APPLICABLE OVERLAY STANDARDS		
Rev         Date           02/29/2016         ISSI	Description  JED FOR	Prepared By Sang-Ho Lee
		DATASHEET No.
CENTRIFUGAL PUMP DATA	SHEET API 610 11TH EDITION	

	CENTRIF	UGA	L PUMP [	DATASHE	ET API	610 11 <sup>-</sup>	TH EDI	TION	I	Metric	
1	APPLICABLE TO:					Α	PPLICAB	LE NTL/INTN	TL STANDARD:		
2	FOR	SOC	CAR AEGEAN	REFINERY		U	NIT				
3	SITE		Turkey			s	ERVICE		Liquid Sulp	hur Transfer pumps	
4	NO. REQ 3		PUMP S		2x4-9	Т	YPE			No. STAGES	
5	MANUFACTURER		ITT GOULD	S PUMPS	ICI	N	IODEL	37	00	SERIAL NO	
6			LIQUID	CHARACTER	RISTICS						
7			Units	Maximum	Mi	inimum	Note	)	SERVICE:		
8	LIQUID TYPE OR NAME:		I	Liquid Sulph	ur		Max &	min values ref	er IF INTERMI	TTENT NO. OF STARTS:	
9	VAPOR PRESSURE:	ka	/cm² abs				only to	the property	PUMPS OP	ERATE IN:	
10	RELATIVE DENSITY:		-	1.790			listed			ION DUE TO: (6.12.1.9)	
11	SPECIFIC HEAT:	_	/(Kg*K)	1.700						I DUE TO: (6.12.1.9)	
12	VISCOSITY:		cp -	10.000			-		1	CENTRATION (ppm): (6.	12.1.12)
13				G CONDITIO	NS (6.1.2)					CONCENTRATION (ppm):	
14			Units	Maximum	Rated	<u>1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 </u>	Normal	Minimum	<del></del>	ATE SIZE (DIA IN MICRONS)	
15	NPSHA D	atum:	-							ATE CONCENTRATION (ppm	
16	PUMPING TEMPERAT		deg C		163.0					те остоетти тот (ррт	<i>'</i>
17		_OW:	m³/hr	53.1	37.2			12.7	—		
1 1	DISCHARGE PRESSURE: (6		kg/cm² g	5.5	5.0			5.4			
19	SUCTION PRESS	,		1.2	3.0				-		
20	DIFFERENTIAL PRESS		kg/cm² g		- E 4			4.0	_		
21	DIFFERENTIAL H		kg/cm² g	4.3	5.1			4.2	-		
1 1		SHA:	m	31.4	28.8	_		23.7	_		
22	HYDRAULIC PO		m kW		4.5 5.2			_			
23 24	HTDRAULIC FO	WER.	KVV			 E AND UTII	LITY DAT				
25	LOCATION:				SITE	- AND OTT	LITTUAL	COOLING V	//ATED :		
26	LOCATION.							COOLING	INLET	RETURN	DESIGN
27	MOUNTED AT :				• TDOD	041.174.716		TEMP de		MAX	
28	ELECTRIC AREA CLASSIFIC	ATION	1. 61221	DIVISION	TROPI	CALIZATIC	JN KEQ	PRESS kg/c	·	MIN	
29	GROUP	AIIOI		CLASS				SOURCE	··· y		
30	SITE DATA :			_					TER CHLORIDE CO	ONCENTRATION:	ppm
31			m	BAROMETE	R· 1	1.0 kg	g/cm² abs			kg/cm² g MIN	kg/cm² g
32	RANGE OF AMBIENT TEMPS			27 (0.1.1.2.1.2.1			eg C	STEAM			
33	RELATIVE HUMIDITY: M				- ', — <del>-</del>	%	-			DRIVERS H	HEATING
34	UNUSUAL CONDITIONS				- '			TEMP de	g C Max		
35	SPECIFY OTHER:	. —							Min		
36	UTILITY CONDITIONS:	_						PRESS kg			
37	ELECTRICITY: DRIVER	es l	HEATING		NTROL	SHUTE	OWN		Min		
38	VOLTAGE 400		112711110		HINOL	011011	201111	†			
39	PHASE 3-phase							†			
40	HERTZ 50							†			
41			PERFORMAN	ICE		I.			DRIV	ER (7.1.5)	
42	PROPOSAL CURVE NO.		6688-0		PM	2.950		Driver Type		ElectricMoto	or
43	As Tested Curve No.	_	3000 0			_,000	_	GEAR		O	<u></u>
44	IMPELLER DIA RATED		158 MAX.	235	MIN.	152	mm		PEED REQUIRED	ŏ	
45	RATED POWER	_		FFICIENCY		53.5	- (%)		VARIABLE SPEED	•	
46	RATED CURVE BEP FLC	_				45.4	m³/hr	OTHER		-	
47	MIN FLOW: THERMAL	•		pm STABLE	_	12.7	m³/hr	MANUFACT	URER	Pump mfg's Ch	noice
48	PREFERRED OPERATING R	_		31.8	to —	54.5	m³/hr	NAMEPLAT		15.0	kW
49	ALLOWABLE OPERATIN		· · · -	12.7	to	53.1	m³/hr	Nominal RP		3,000	
50	MAX HEAD @ RATED IM		-	14-1	31.4	55.1	_ m				
51						FRAME OR MODEL 160L42					
52					_ 	ORIENTATION Horizontal					
53	CL PUMP TO U/S BASEF		-		1.44		 _ m	LUBE Horizontal			
54	NPSH MARGIN AT RATE		-		3.3		 _ m	BEARING TYP	PE (RADIAL)	Ball	
55	SPECIFIC SPEED (6.1.9)		-	m³/hr,m	<u></u>	10	_		YPE (THRUST)	Ball	
56	SUCTION SPECIFIC SPE		MIT		13,0		-	RADIAL	= (	Daii	
57	SUCTION SPECIFIC SPE		: <del>-</del>	m³/hr,m	11,5		-	THRUST			
58	MAX. ALLBLE SOUND PRES		EL REOD (6 1 14	_	11,0		(dBA)	STARTING	METHOD		
59	EST MAX SOUND PRES		,		61.5		(dBA)		R DATASHEET		
60	MAX. SOUND POWER LEVE		-		01.0		- \				
61	EST MAX SOUND POWE		-				_				
H											
	DATASHEET No.							Rev	:		

	С	ENTRI	FUGAL F	PUMP [	OATASHEET A	1TH EDITION	Metric		
1						CONST	RUCTION		
2	API PUMP T	YPF.	OH2		Based on API 610 d		CASING MOUNTING:	Center	line
3	7 1.1 0 1		01.12	'	24004 011711 1 0 10 4		CASING TYPE:	(6.3.10) Volute - s	
4	NOZZLE CO	NNECTIO	DNS:	(6.5.5)			OH3 BACKPULLOUT LIF	TING DEVICE REQD. (9.12.6)	0
5		Size	Facir	ng	Rating	Position	CASE PRESSURE	RATING:	•
6	SUCTION	4 in	RF (Raise	d Face)	Class 300	End	MAWP:	(6.3.6) 45.8 kg/cm² g @	@ 163.0 deg C
7	DISCHARGE	2 in	RF (Raise	d Face)	Class 300	Тор	HYDROTEST:	78.0 kg/cm² g	@ <u>163.0</u> deg C
8	PRESSURE	CASING	AUX.CONNE	ECTIONS:	(6.4.3.2)			<del></del>	
9	No. Size Type					HYDROTEST OH PU	MP AS ASSEMBLY	0	
10	BALANCE/LE	AK OFF					SUCT'N PRESS. REGION	NS DESIGNED FOR MAWP	0
11	DRAIN			3/4 in			ROTATION: (VIEWE	D FROM COUPLING END)	ounterclockwise
12	VENT						IMPELLERS INDIVI	DUALLY SECURED :	0
13	PRESS GAL	JGE					<ul> <li>BOLT OH 3/4/5 PUN</li> </ul>	MP TO PAD / FOUNDATION :	0
14	TEMP GAU	GE					PROVIDE SOLEPLA	ATE FOR OH 3/4/5 PUMPS	0
15	WARM-UP I	INE					ROTOR:		
16			,		•		SHAFT FLEXIBILITY IND		
17			Rating	Posn.	Facing		First Critical Speed W	et (Multi stage pumps only)	0
18	BALANCE/LE	AK OFF					COMPONENT BALAN	NCE TO ISO 1940-1, G1.0	0
19	DRAIN						SHRINK-FIT-LIMITED MO	OVEMENT IMPELLERS (9.2.2.3)	0
20	VENT								
21	PRESS GAL	JGE					COUPLING: (7.2.3)	(7.2.13.f)	
22	TEMP GAU	GE					MANUFACTURER	Metastre	am
23	WARM-UP L	INE					MODEL	TSKS 0013 w/met	ric fasteners
24					•		RATING (BHP/100 RF	PM) <u>1.71</u>	
25	Drain Valve	Supplied I	Ву				SPACER LENGTH	127.0	mm
26	DRAINS MA	NIFOLDE	D		0	)	SERVICE FACTOR		
27	VENT Valve S	upplied By					RIGID		0
28	VENTS MAN	NIFOLDED	)		0	•	COUPLING WITH HYDRA		
29	THREADED C	ONS FOR	PIPELINE SER	VICE & < 50	0°C (6.4.3.2)	)	COUPLING BALANCI	ED TO ISO 1940-1 G6.3 (7.2.3)	O
30	SPECIAL FI	TTINGS F	OR TRANSI	TIONING (	(6.4.3.3) <b>O</b>	)	COUPLING WITH PROP	RIETARY CLAMPING DEVICE (7.2.11)	O
31	CYLINDRIC			RED (6.4.3	6.4.3.3) .8) O G (6.4.3.12)	•			
32	GUSSET SL	JPPORT F	REQUIRED		0	•	COUPLING IN COMP	PLIANCE WITH (7.2.4)	API 610
33	MACHINED		IDDED CON	NECTIONS	S (6.4.3.12)	•	COUPLING GUARD STA	· · · · · · · · · · · · · · · · · · ·	
34	VS 6 DRAIN					Window on Coupling (	Guard	0	
35	DRAIN TO SKID EDGE								
36								BASEPLATE	
37			MATER	RIAL (6.12.1	,		API BASEPLATE NUI		
38	APPENDIX H			S-	-5 (steel)	—	BASEPLATE CONST	` ' <del></del>	
39	MIN DESIGN N		,		-28.9	deg C	BASEPLATE DRAINA	GE (7.3.1)	
40					(6.12.1.12.1)	)	MOUNTING :		
41	Applicable Hardness Standard (6.12.1.12.3)					NON-GROUT CONSTRU	, ,	O .	
42	BARREL:						VERTICAL LEVELING		O .
43	CASE:				Carbon steel			R POSITIONING SCREWS :	Ŏ
44	DIFFUSERS	):						GROUT AND VENT HOLES	Ŏ
45	IMPELLER:				Carbon steel			DRAIN CONNECTION	Ŏ
46	IMPELLER WE				12% Chrome			O FOR BASEPLATE LEVELING (7.3.5)	00000
47	CASE WEAR	K KING:			12% Chrome			O BE MACHINED (7.3.6)	Ŏ
48	SHAFT: Bowl (if VS-t	vno)			316SS		OTHER	TE UNDER ALL EQUIPMENT FEET	U
49	Inspection C						OTHER		
50	inspection C		INGS AND I	LIBBICAT	ION (6.10.1.1)		-		
51 52	BEARING (T				ION (6.10.1.1)		REMARKS:		
53	RADIAL	IFL/NC	INDLIN). (O.	11.4)	6242.62				
1 1	THRUST —			—— ',   ·	6212 C3				
54	REVIEW AND	A DDD OVE	TUDITET DEA	DINC SIZE	7312 BEGA				
55 56	INEVIEW AND	AFFRUVE	TINUSI BEA	INING SIZE :	. (0.2.3.2.4)	0	П		
1 1	LUBRICATIO	N · /6 /	10 2 2) (6 11 2)	(0.6.1)	Dia II				
57 58	PRESSURE LI				Ring oil		П		
59	I NEGOURE LI	ODE 01011	-W O I ANDAKI	-	(9.2.6.5)	0	П		
60			ISO 10438 DA	TASHEETO	, ,	0	П		
61	Pressurized	Luhe Oil 9				0			
62			•		inted on baseplate:		П		
63	Location of F	. 55541126	abc Oii 0	, 5.5111 11100	ou on busepiale.		П		
64	INTERCONNE	CTING PIP	ING PROVIDE	D BY			П		
65	OIL VISC. IS						П		
66	CONSTANT LI				Constant level oiler				
	DATASHE						Rev	v:	

INSTRUMENTATION		SEAL SUPPORT SYS	STEM MOUNTING
SEE ATTACHED API-670 DATASHEET		SEAL SUPPORT SYSTEM MOUNTED ON PUN	
ACCELEROMETER (7.4.2.1)  Number of Accelerometers		(7.5.1.4) IDENTIFY LOCATION ON BASEPLATE	O
Mounting Location of Accelerometers		IDENTIFY EGG/MIGN GIV B/NOET E/ME	
		INTERCONNECTING PIPING BY	
PROVISION FOR MTG ONLY (6.10.2.10)	0		
Number of Accelerometers  Mounting Location of Accelerometers		MECHANICAL SEE ATTACHED ISO 21049/API 682 DATASHE	, ,
Mounting Location of Accelerometers			
FLAT SURFACE REQUIRED (6.10.2.11)	0	<u> </u>	3.9) <b>O</b> .11) <b>O</b>
Number of Accelerometers	_		,
Mounting Location of Accelerometers		HEATING AND CO	
VIDE ATION PROPER (T. 4.9.9)		COOLING REQ'D	<b>©</b>
VIBRATION PROBES (7.4.2.2) PROVISIONS FOR VIB. PROBES	•	COOLING WATER PIPING PLAN COOLING WATER PIPING	API Plan M
NUMBER PER RADIAL BEARING	0	FITTINGS	Galvanized pipe
NUMBER PER AXIAL BEARING		COOLING WATER PIPING MATERIALS	CS
PROVISION FOR MTG ONLY	0	COOLING WATER REQUIREMENTS:	
MONITORS AND CABLES SUPPLIED BY (7.4.2.4)		BEARING HOUSING	m
TEMPERATURE (7.100)		HEAT EXCHANGER	m
TEMPERATURE (7.4.2.3) PROVISIONS FOR TEMP PROBES	•	TOTAL COOLING WATER HEATING MEDIUM	m
RADIAL BEARING TEMP.	0	OTHER	
NUMBER PER RADIAL BEARING	•	HEATING PIPING	
THRUST BEARING TEMP.	0		
NUMBER PER THRUST BEARING ACTIVE SIDE		PIPING & APPUI	
NUMBER PER THRUST BEARING INACTIVE SIDE		MANIFOLD PIPING FOR PURCHASER CONNE	_
TEMP. GAUGES (WITH THERMOWELLS) (9.1.3.6) PRESSURE GAUGE TYPE	0	VENT DRAIN	Ö
Remarks		COOLING WATER	O O O O
Tomano		TAG ALL ORIFICES (7.5.2.4)	ŏ
		SOCKET WELD CONN ON SEAL GLAND (7.5.2	2.8)
			•

	CENTRIFU	GAL PUMP DATA	SHEET API 6	0 11TH EDITION Metric		
1	SURFAC	CE PREPARATION AND	PAINT	TEST		
2	MANUFACTURER'S STA	NDARD		SHOP INSPECTION (8.1.1)	0	
3	OTHER (SEE BELOW)			PERFORMANCE CURVE	_	
5	SPECIFICATION NO			& DATA APPROVAL PRIOR TO SHIPMENT TEST WITH SUBSTITUTE SEAL (8.3.3.2.b)	<b>•</b>	
6	PUMP:			MATERIAL CERTIFICATION REQUIRED CASING	•	
7	PUMP SURFACE PREPARAT	TON		(6.12.1.8) IMPELLER	Ō	
8	PRIMER			SHAFT	$oldsymbol{\odot}$	
9	FINISH COAT			OTHER		
10				CASTING REPAIR WELD PROCEDURE APPR REQD	0	
11	BASEPLATE:			(6.12.2.5) (6.12.3.1)	0.40.0.4.1)	
12	BASEPLATE SURFACE PREF		11.	INSPECTION REQUIRED FOR CONNECTION WELDS (		
13 14	PRIMER FINISH COAT	G0	ulds zinc primer	(6.12.3.4.e) MAG PARTICLE  RADIOGRAPHY	0	
15	DETAILS OF LIFTING DE	VICES		LIQUID PENETRANT	0	
16				ULTRASONIC	Ö	
17	SHIPMENT: (8.4.1)			INSPECTION REQUIRED FOR CASTINGS	•	
18	EXPORT BOXING REQU	IRED	Export boxing	MAG PARTICLE	0	
19	OUTDOOR STORAGE M	ORE THAN 6 MONTHS	•	RADIOGRAPHY	0	
20				LIQUID PENETRANT		
21	SPARE ROTOR ASSEME			ULTRASONIC	0	
22	ROTOR STORAGE ORIENTA	` '	OTODA 05 /5 5 5 1	HARDNESS TEST REQUIRED (8.2.2.7)		
23	SHIPPING & STORAGE (	ONTAINER FOR VERT	`'	ADDNL SUBSURFACE EXAMINATION (6.12.1.5) (8.2.1.:	3) O	
24 25	N2 PURGE (9.2.8.4)		0	METHOD		
26	SPARE PARTS:		O	PMI TESTING REQUIRED (8.2.2.8)	<b>©</b>	
27	START-UP		0	COMPONENTS TO BE TESTED	•	
28	NORMAL MAINTENANCE		Ö	Aux Fluid Piping		
29	M	IASSES kg		RESIDUAL UNBALANCE TEST (J.4.1.2)	<u> </u>	
30				NOTIFICATION OF SUCCESSFUL SHOP	_	
31	ITEM No	PUMP	DRIVER	PERFORMANCE TEST (8.1.1.c) (8.3.3.5)	<u> </u>	
32	640G-011A/B/C	196.8	149.7	BASEPLATE TEST (7.3.21)		
33	GEAR	BASE	TOTAL	HYDROSTATIC	Non-witnessed	
34	GEAR	DAGE	349.2	HYDRO TEST OF BOWLS & COLUMN (9.3.13.2)		
35	OTUER	DUDCUASED DECUIDE		PERFORMANCE TEST	Witnessed	
37	COORDINATION MEETING F	PURCHASER REQUIRE REQUIRED (10.1.3)	WENTS	TEST IN COMPLIANCE WITH (8.3.3.2) TEST DATA POINTS TO (8.3.3.3)		
38	MAXIMUM DISCHARGE	,	_	TEST TOLERANCES TO (8.3.3.4)		
39	MAX RELATIVE DENSIT	Υ	0	NPSH (8.3.4.3.1) (8.3.4.3.4)		
40	OPERATION TO TRIP SI	PEED	Ŏ	NPSH-1ST STG ONLY (8.3.4.3.2)		
41	MAX DIA. IMPELLERS A		0	NPSH TESTING TO HI 1.6 OR ISO 9906 (8.3.4.3.3)		
42	CONNECTION DESIGN	APPROVAL (9.2.1.4)	0	TEST NPSHA LIMITED TO 110% SITE NPSHA (8.3.3.6)	0	
43	TORSIONAL ANALYSIS	/ REPORT (6.9.2.10)	Ō	RETEST ON SEAL LEAKAGE (8.3.3.2.d)		
44	PROGRESS REPORTS	ODTIONAL TEOTO (40	<b>©</b>	RETEST REQ AFTER FINAL HEAD ADJ (8.3.3.7.b)		
45	OUTLINE OF PROC FOR ADDITIONAL DATA REQ		_	COMPLETE UNIT TEST (8.3.4.4.1)		
46 47	ADDITIONAL DATA REG	OMINO ZU TEARO RETI	(8.2.1.1)	SOUND LEVEL TEST (8.3.4.5)	Witnessed	
48	LATERAL ANALYSIS RE	QUIRED (9.1.3.4) (9.2.4.		CLEANLINESS PRIOR TO FINAL ASSEMBLY (8.2.2.6) LOCATION OF CLEANLINESS INSPECTION	Non-witnessed	
49	MODAL ANALYSIS REQ		Ŏ	NOZZLE LOAD TEST		
50	DYNAMIC BALANCE RO	TOR (6.9.4.4)	ŏ	CHECK FOR CO-PLANAR MOUNTING PAD SURFACES		
51	INSTALLATION LIST IN I		0	MECHANICAL RUN TEST UNTIL OIL TEMP STABLE	Non-witnessed	
52	VFD STEADY STATE DA	MPED RESPONSE ANA	LYSIS (6.9.2.3)	4 HR. MECH RUN AFTER OIL TEMP STABLE (8.3.4.2.1)		
53	TDANOIENT TODOLOGIC	L DEODONOE	0	4 HR. MECH RUN TEST (8.3.4.2.2)		
54				TRUE PEAK VELOCITY DATA		
55 56				BRG HSG RESONANCE TEST (8.3.4.7)		
57				STRUCTURAL RESONANCE TEST (9.3.9.2) REMOVE / INSPECT HYDRODYNAMIC BEARINGS AFTER TEST		
58	FLANGES RQD IN PLACE OF SKT WELD UNIONS (7.5.2.8)			(9.2.7.5)		
59	INCLUDE PLOTTED VIB			AUXILIARY EQUIPMENT TEST (8.3.4.6)		
60	CONNECTION BOLTING (7.5	5.1.7)		EQUIPMENT TO BE INCLUDED IN AUXILIARY TESTS		
61	CADMIUM PLATED BOL		0			
62	VENDOR TO KEEP REP	•	•	LOCATION OF AUXILIARY EQUIPMENT TEST		
63	VENDOR SUBMIT TEST		_	WIDA OT TEOT		
64	SUBMIT INSPECTION C	HECK LIST (8.1.5)	0	IMPACT TEST (6.12.4.3) PER EN 13445		
65 66				PER ASME SECTION VIII REMOVE CASING AFTER TEST		
				NEWOVE ONORIO ALTER LEGI	·	
	DATASHEET No			Rev:		

Model: 3600 Size: 4x6-10D 50Hz RPM: 2975 Stages: 10

Job/Inq.No.: G22450505

Purchaser: TECNICAS REUNIDAS

End User: SOCAR & TURCAS Issued by: Panos Katsiris Rev.: 0

Item/Equip.No.: 120G-001 A/B Quotation No.: STAR-G505-BB2 Date: 10/20/2013

Service: FEED PUMPS

Order No.: Certified By:

## Operating Conditions Pump Performance

Liquid: HYDROCARBON Published Efficiency: 77.5 % Suction Specific Speed: 11,230 m³/hr,m
Temp.: 66.0 deg C Rated Pump Efficiency: 75.5 % Min. Hydraulic Flow: 49.27 m³/hr
S.G./Visc.: 0.760/0.460 cp Rated Total Power: 299.80 kW Min. Thermal Flow: N/A

S.G./Visc.: 0.760/0.460 cp Rated Total Power: 299.80 kW Min. Thermal Flow: Flow: 147.40 m³/hr Non-Overloading Power: 366.95 kW

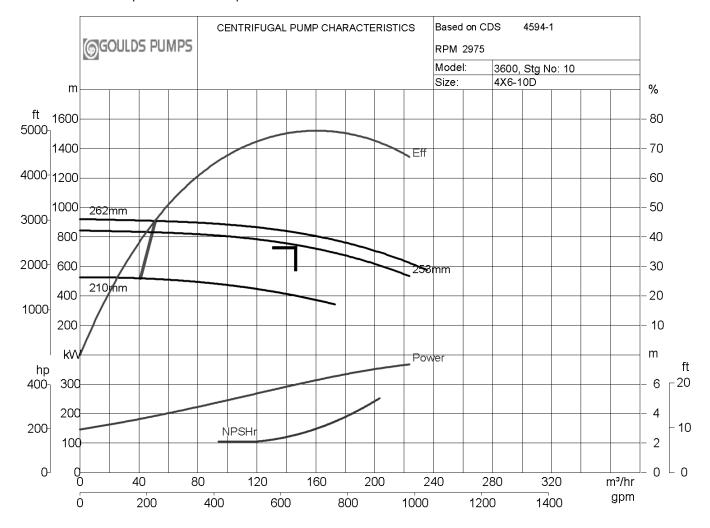
TDH: 737.00 m Imp. Dia. First 1 Stg(s): 253 mm Imp. Dia. Adl Stg(s): 253 mm NPSHa: 2.59 m Shut off Head: 843.70 m

Solid size: Max. Solids Size: 0.25 mm % Susp. Solids

(by wtg):

Vapor Press: 3.00 bar abs

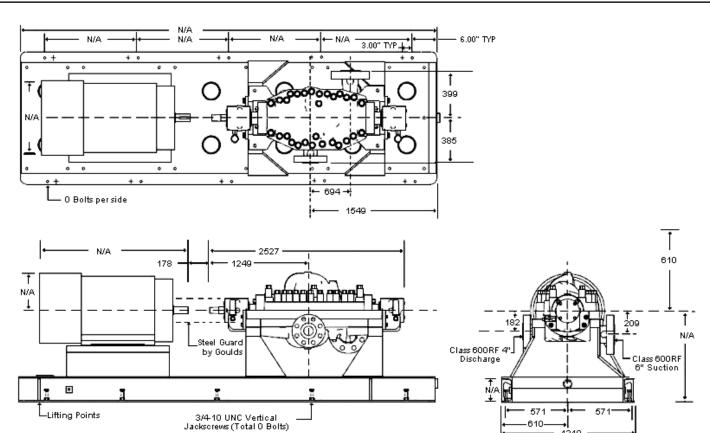
Notes: 1. Elevated temperature effects on performance are not included.



## **OUTLINE DRAWING**

## Model 3600 11th Edition (ISO 13709) Size 4x6-10D STG 10 API610





Pump Specification

SUCT.FLANGE SIZE 6" DRILLING ANSI 600#	FACING RF	FINISH SERRATED
DISCH.FLANGE SIZE 4" DRILLING ANSI 600#	FACING RF	FINISH SERRATED
PUMP ROTATION ( LOOKING AT PUMP FROM MOTOR )	CCW	
TYPE OF LUBRICATION RING OIL	-	COOLED NO
TYPE OF STUFFING BOX N/A		COOLED NO
TYPE OF SEALING MECHANICAL SEAL		

Weights and Measurements

PUMP	1,661 kg
MOTOR	kg
BASEPLATE	1,440 kg
TOTAL	3,101 kg
GR.VOLUME w/BOX	N/A
GR.WEIGHT w/BOX	N/A

Motor Specification

MOTOR BY	PUMP MFG	MOUNT BY	PUMP MF	G MF	G.	PUMP MFG'S	S CHOICE
FRAME	TBA	POWER	٦ 3	70.00 kW		RPM	3000
PHASE	3	FREQU	IENCY 5	0 HZ		VOLTS	6300
INSULATION	$\overline{F}$	S.F.	1	.00			
ENCLOSURE	IP55 - EX NA I	II T3					

Notes and References

- MTR DIMENSIONS ARE APPROXIMATE
MTR DIMENSIONS ARE APPROXIMATE     Actual Product May Vary From Image

Auxiliary Specification

COUPLING BY	PUMP MFG	CPLG TYPE	METASTREAM TSKS 0135
CPL GUARD BY	PUMP MFG	CPLG GUARD MATL	BRASS (NON-SPARKING)
BASEPLATE FAB	RICATED STEEL	. – MOTOR J/BOX MAY C	OVERHANG THE BASE PLATE
MECH.SEAL C2A	3A1153B		

DRAWING IS FOR REFERENCE ONLY.

NOT CERTIFIED FOR CONSTRUCTION UNLESS SIGNED.

Customer: TECNICAS REUNIDAS

Serial No: Customer P.O. No: Item No: 120G-001 A/B

Project No: AEGEAN REFINERY End User: SOCAR & TURCAS

Service: FEED PUMPS



All dimensions are in mm. Drawing is not to scale Weights (kg) are approximate

**DRAWING NO** STAR-G505-BB2/120G-001 A/B

Program Version 1.45.0.0 FORM #

Copyright 2013 ITT Corp