

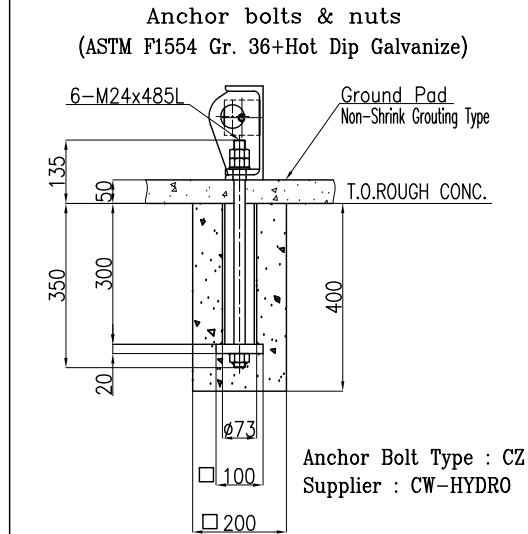
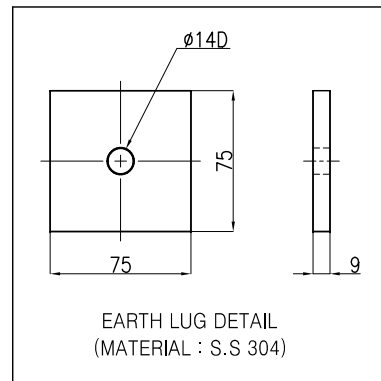
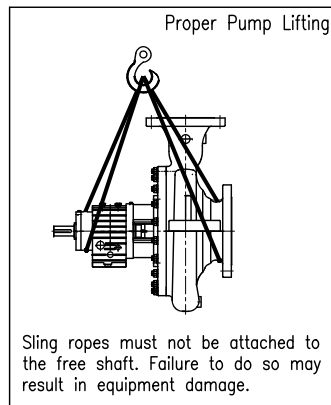
PUMP			
MODEL	CAPACITY (m ³ /hr)	HEAD (m)	REVOLUTION (RPM)
HB 50x40-315RH	15	120	2960

MOTOR			
FRAME	POWER (KW)	VOLT (V)	POLE (P)
180M	22	400	2

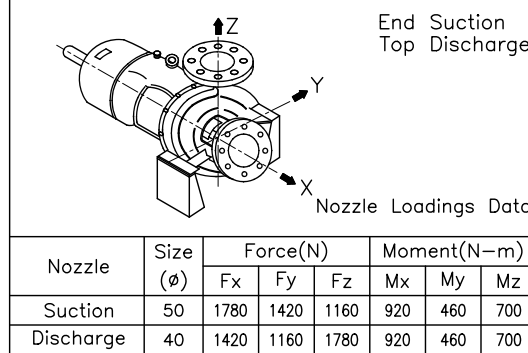
WEIGHT					
	PUMP	MOTOR	BASE PLATE	53B SYSTEM	TOTAL
STATIC	290	200	590	150	1230
DYNAMIC	348	200	590	180	1318

WEIGHT		
	PUMP ROTOR	MOTOR ROTOR
	43 kg	60 kg

Tie-in Point List		
No.	Tie-in Point	Specification
TP10	N2 Charging	5/8" UNF
TP9	Sealing System Vent	3/4", ANSI CL 300 R.F
TP8	Sealing System Drain	3/4", ANSI CL 300 R.F
TP7	Sealing System Filling	3/4", ANSI CL 300 R.F
TP6	Base Plate Drain	NPT 1"
TP5	Cooling Water Outlet	3/4", ANSI CL 150 R.F
TP4	Cooling Water Inlet	3/4", ANSI CL 150 R.F
TP3	Pump Casing Drain	1/2", ANSI CL 300 R.F
TP2	Pump Discharge	1 1/2", ANSI CL 300 R.F
TP1	Pump Suction	2", ANSI CL 300 R.F

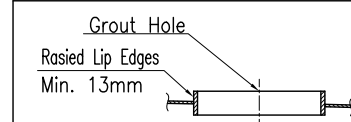


Flange Rating ANSI B16.5 300LB (RF)						
Rating	ød	øg	øD	øC	Q-øH	t
Suction	50	92.1	165	127	8-ø20	22.5
Discharge	40	73	156	114.3	4-ø23	21



Nozzle	Size (ø)	Force(N)			Moment(N-m)		
		Fx	Fy	Fz	Mx	My	Mz
Suction	50	1780	1420	1160	920	460	700
Discharge	40	1420	1160	1780	920	460	700

20-FI-151800	FLOW INDICATOR [COOLER COOLING WATER OUTLET LINE]
20-PIT-151800	PRESURE TRANSMITTER [SEALING SYSTEM (PLAN #53B)]
20-TIT-151800	TEMPERATURE TRANSMITTER [SEALING SYSTEM (PLAN #53B)]
20-PG-151800	PRESSURE GAUGE [SEALING SYSTEM (PLAN #53B)]
20-TG-151800	TEMPERATURE GAUGE [SEALING SYSTEM (PLAN #53B)]
20-RO-151800	ORIFICE [SEAL FLUSHING LINE (PLAN #11)]



- NOTE
- Permissible amplitude of vibration : 3.2 mm/s (r.m.s)
 - Mass moment of inertia of machine
 - 1) Pump rotor : 1.368 kg-m
 - 2) Motor rotor : 0.088 kg-m
 3. Max. maintenance weight : 290 kg
 4. The shape of the aux. piping shown in the GA drawing may be different from that of the aux. piping of the actual product.

REFERENCE DOCUMENTS	DOC. NO.

LEGEND	
DES.	
SYMBOL	

EQUIPMENT LIST		

Code1	<input checked="" type="checkbox"/> Approved: No comment and the document is released for Manufacturing.
Code2	<input type="checkbox"/> Approved with Minor comment: Vendor shall correct, revise and resubmit the document. The document can be released for Manufacturing if changes incorporated.
Code3	<input type="checkbox"/> Commented: Vendor shall correct, revise and resubmit the document by the date specified. The document shall be revised under the Status of "To Be Revised Issue". All corrected documents shall be resubmitted before starting the Manufacturing.
Code4	<input type="checkbox"/> Not Accepted (Rejected): Vendor shall re-work/re-design/re-specify the contents of the documents according to the comments/ reasons for rejection. All corrected documents shall be resubmitted before starting the Manufacturing process. In this case vendor shall not proceed with subsequent work until receiving code 1 or code 2 or no code from CONSULTANT / OWNER / MC. VENDOR shall resubmit the documents with the same revision within (10) working days(including transmission/mailing time) after receiving the commented documents from CONSULTANT / OWNER / MC.
No Code	<input type="checkbox"/> No Code: Only for "FOR INFORMATION" documents and "As-Built Drawings". Document has been submitted for CONSULTANT / OWNER / MC's Information(FI) consistency, completeness and correctness of documents content is in VENDOR/EPC contractor responsibility.
Above checking results by EIED shall in no way relieve Vendor of any liability, obligation and responsibility out of the purchase order and the mutual agreement in writing.	
DATE : 07.Jun.2021 DEPT. : MA Signature : D. M.	
Only for internal review	
CV	PI EL IN ME MA
ST	AR PR SA HV TL

REV.	DATE	STATUS	PURPOSE OF ISSUE	PREP.	CHKD.	APPD.	AUTH.
04	31/05/2021	R	FOR APPROVAL	J.H. KIM	Y.H. OH	Y.H. OH	M.Y. LEE
03	11/09/2020	R	FOR APPROVAL	J.H. KIM	Y.H. OH	Y.H. OH	M.Y. LEE
02	25/08/2020	R	FOR APPROVAL	J.H. KIM	Y.H. OH	Y.H. OH	M.Y. LEE
01	17/01/2020	R	FOR APPROVAL	J.H. KIM	Y.H. OH	Y.H. OH	M.Y. LEE
00	13/03/2020	F	FOR APPROVAL	J.H. KIM	Y.H. OH	Y.H. OH	M.Y. LEE

EIED Kangan Dlefin Project

Centrifugal Pumps & Special Pumps

Contract No. KP-20-00-PS-MA-PO-0001

SCALE: N/S

DRAWING TITLE:			
General arrangement drawing for 20-P-1501			
DRAWING NO.	REV.	SHEET No.	SIZE
VP-20-00-MA-0001-2005	04	1 OF 1	A3

