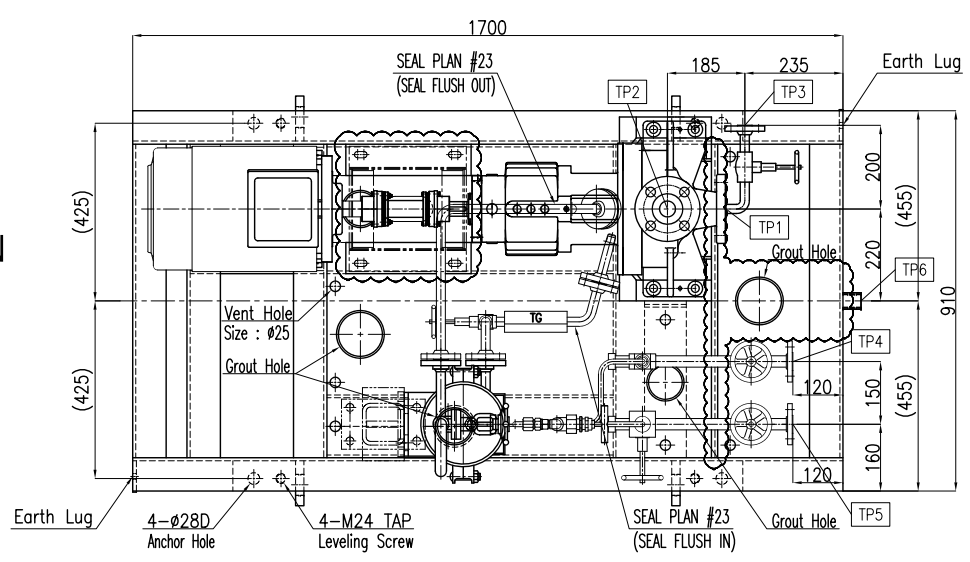


PN
↓



PUMP			
MODEL	CAPACITY (m ³ /hr)	HEAD (m)	REVOLUTION (RPM)
HB 50x40-160H	22	30	2920

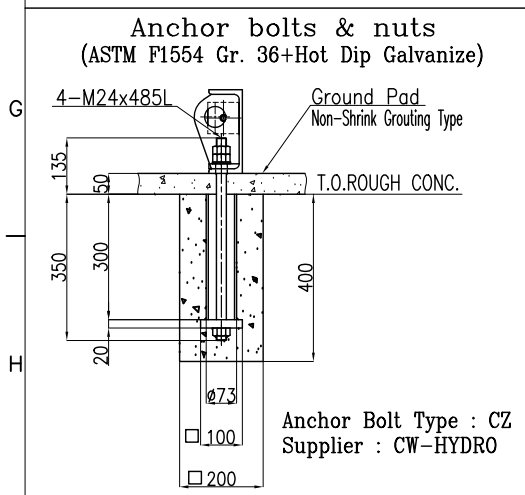
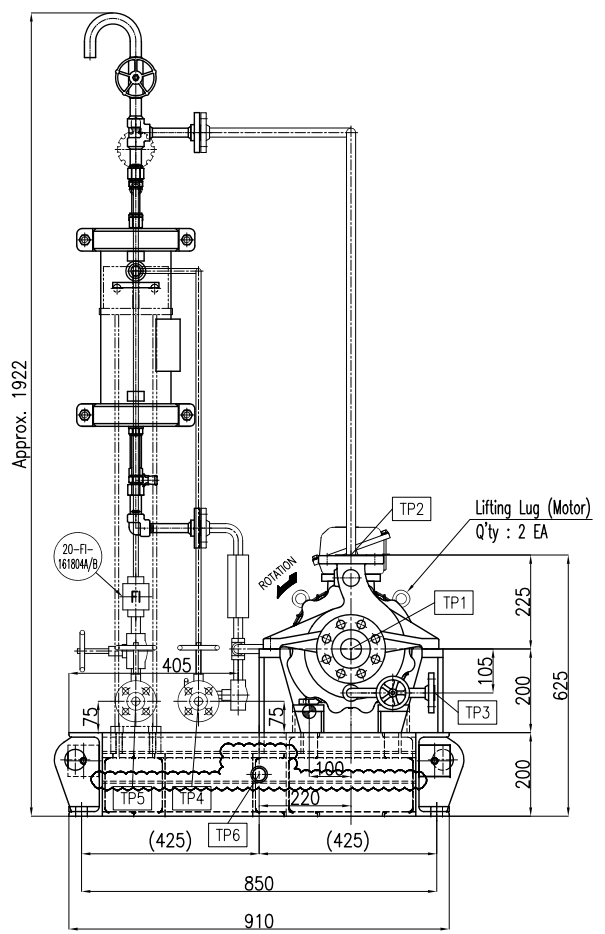
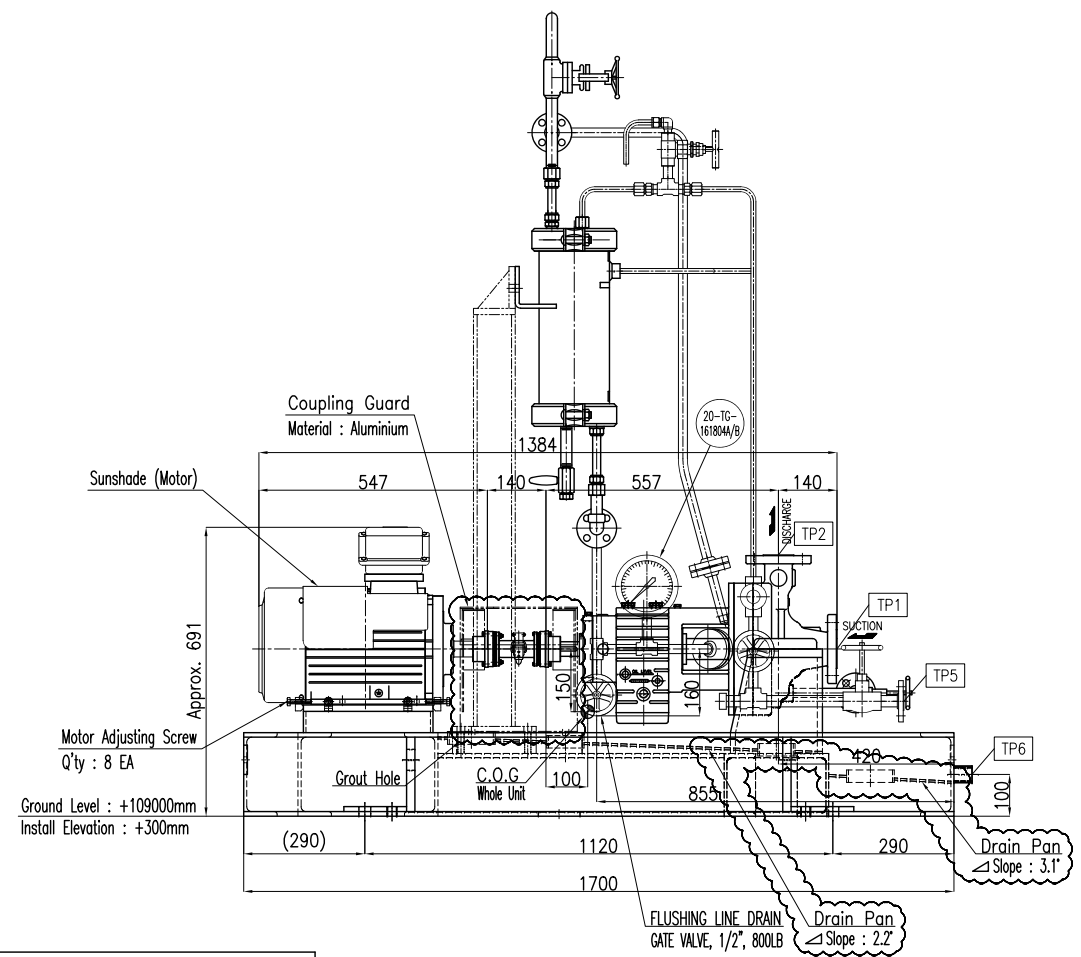
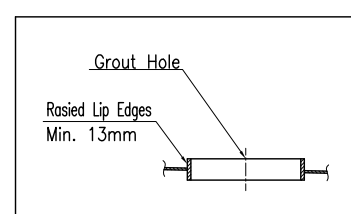
MOTOR			
FRAME	POWER (KW)	VOLT (V)	POLE (P)
132	5.5	400	2

WEIGHT				
	PUMP	MOTOR	BASE PLATE	COOLER
STATIC	195	125	420	34.5
DYNAMIC	234	125	420	41.5

WEIGHT	
PUMP ROTOR	MOTOR ROTOR
26 kg	38 kg

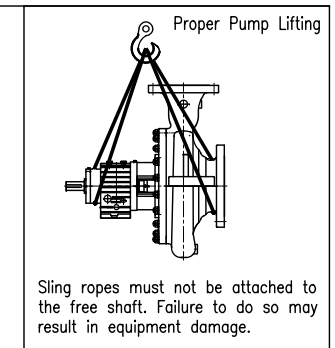
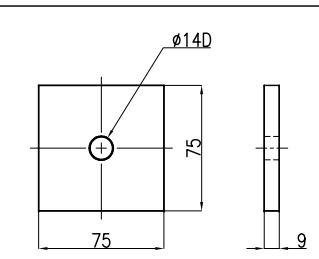
Tie-in Point List		
No.	Tie-in Point	Specification
TP6	Base Plate Drain	NPT 1"
TP5	Cooling Water Outlet	3/4", ANSI CL 150 R.F.
TP4	Cooling Water Inlet	3/4", ANSI CL 150 R.F.
TP3	Pump Casing Drain	1/2", ANSI CL 300 R.F.
TP2	Pump Discharge	1 1/2", ANSI CL 300 R.F.
TP1	Pump Suction	2", ANSI CL 300 R.F.

20-FI-161804A/B	FLOW INDICATOR [COOLER COOLING WATER OUTLET LINE]
20-TG-161804A/B	TEMPERATURE GAUGE [SEAL FLUSHING INLET LINE (PLAN #23)]



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	73.1	156	114.3	4-Ø23	21

End Suction Top Discharge						
Nozzle	Size (Ø)	Force(N)			Moment(N-m)	
		F _x	F _y	F _z	M _x	M _y
Suction	50	1780	1420	1160	920	460
Discharge	40	1420	1160	1780	920	460



- NOTE
- Permissible amplitude of vibration : 3.2 mm/s (r.m.s)
 - Mass moment of inertia of machine
 - 1) Pump rotor : 0.161 kg-m
 - 2) Motor rotor : 0.014 kg-m
 3. Max. maintenance weight : 195 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 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 : 18.Apr.2021 DEPT. : MA Signature : D. M.	
Only for internal review	
CV	PI
EL	IN
ME	MA
ST	AR
PR	SA
HV	TL

04	11/03/2021	R	FOR APPROVAL	J.H. KIM	Y.H. OH	Y.H. OH	M.Y. LEE
03	12/08/2020	R	FOR APPROVAL	J.H. KIM	Y.H. OH	Y.H. OH	M.Y. LEE
02	28/07/2020	R	FOR APPROVAL	J.H. KIM	Y.H. OH	Y.H. OH	M.Y. LEE
01	17/06/2020	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
REV.	DATE	STATUS	PURPOSE OF ISSUE	PREP.	CHKD.	APPD.	AUTH.

EIED	Kangan Olefin Project	EIED	Centrifugal Pumps & Special Pumps
Contract No. KPC-20-00-PS-MA-PO-0001	P.O. No. KPC-20-00-PS-MA-PO-0001	SCALE: N/S	
DRAWING TITLE: General arrangement drawing for 20-P-1611 A/B			
DRAWING NO. VP-20-00-MA-0001-1105	REV. 04	SHEET No. 1 OF 1	SIZE A3