

PUMP			
MODEL	CAPACITY (m³/hr)	HEAD (m)	REVOLUTION (RPM)
DS 700x600-6F	4600	65.3	989

MOTOR			
FRAME	POWER (KW)	VOLT (V)	POLE (P)
450	1100	6000	6

WEIGHT				
	PUMP	MOTOR	BASE PLATE	TOTAL
STATIC	4900	6500	3100	14500
DYNAMIC	5880	6500	3100	15480

Tie-in Point List		
TP5	Base Plate Drain	NPT 1"
TP4	Pump Casing Vent	1", ANSI CL 150 R.F
TP3	Pump Casing Drain	1", ANSI CL 150 R.F
TP2	Pump Discharge	24", ANSI CL 150 R.F
TP1	Pump Suction	28", ANSI CL 150 R.F

MOTOR SHORT CIRCUIT LOADS			
UP	78 kN	PUMP ROTOR	730 kg
DOWN	152 kN	MOTOR ROTOR	1420 kg

20-WT-161801A-4	PUMP VIBRATION SENSOR NDE BRG HOUSING
20-WT-161801A-4	PUMP VIBRATION SENSOR DE BRG HOUSING
20-WT-161801A-4	PUMP TEMPERATURE SENSOR BRG NDE (DUPLX RTD)
20-WT-161801A-4	PUMP TEMPERATURE SENSOR BRG DE (DUPLX RTD)
20-WT-161801A-4	MOTOR TEMPERATURE SENSOR BRG DE (DUPLX RTD)
20-WT-161801A-4	MOTOR TEMPERATURE SENSOR BRG NDE (DUPLX RTD)
20-WT-161801A-4	MOTOR TEMPERATURE SENSOR WINDING TEMPERATURE SENSOR-U (SIMPLEX RTD)
20-WT-161801A-4	MOTOR TEMPERATURE SENSOR WINDING TEMPERATURE SENSOR-U (SIMPLEX RTD)
20-WT-161801A-4	MOTOR TEMPERATURE SENSOR WINDING TEMPERATURE SENSOR-V (SIMPLEX RTD)
20-WT-161801A-4	MOTOR TEMPERATURE SENSOR WINDING TEMPERATURE SENSOR-V (SIMPLEX RTD)
20-WT-161801A-4	MOTOR TEMPERATURE SENSOR WINDING TEMPERATURE SENSOR-W (SIMPLEX RTD)
20-WT-161801A-4	MOTOR TEMPERATURE SENSOR WINDING TEMPERATURE SENSOR-W (SIMPLEX RTD)
20-WT-161801A-4	ORIFICE [SEAL FLUSHING LINE (PLAN #11)]
20-WT-161801A-4	ORIFICE [SEAL FLUSHING LINE (PLAN #11)]

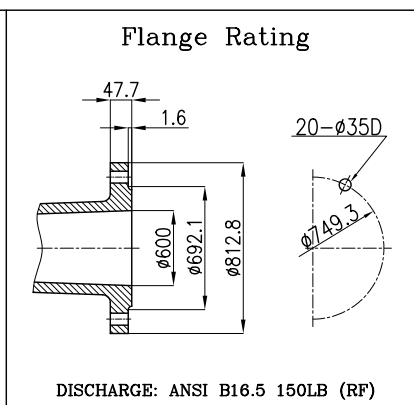
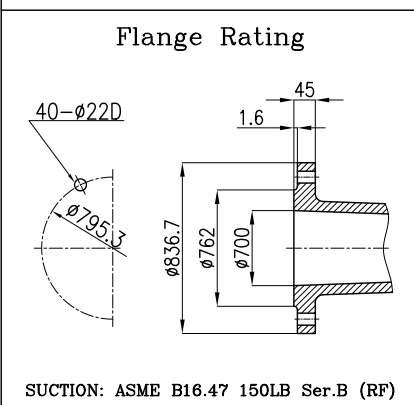
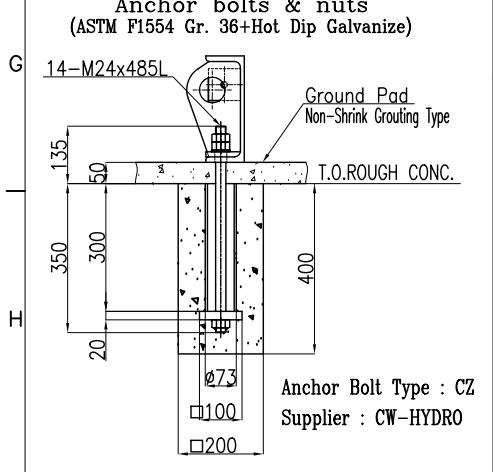
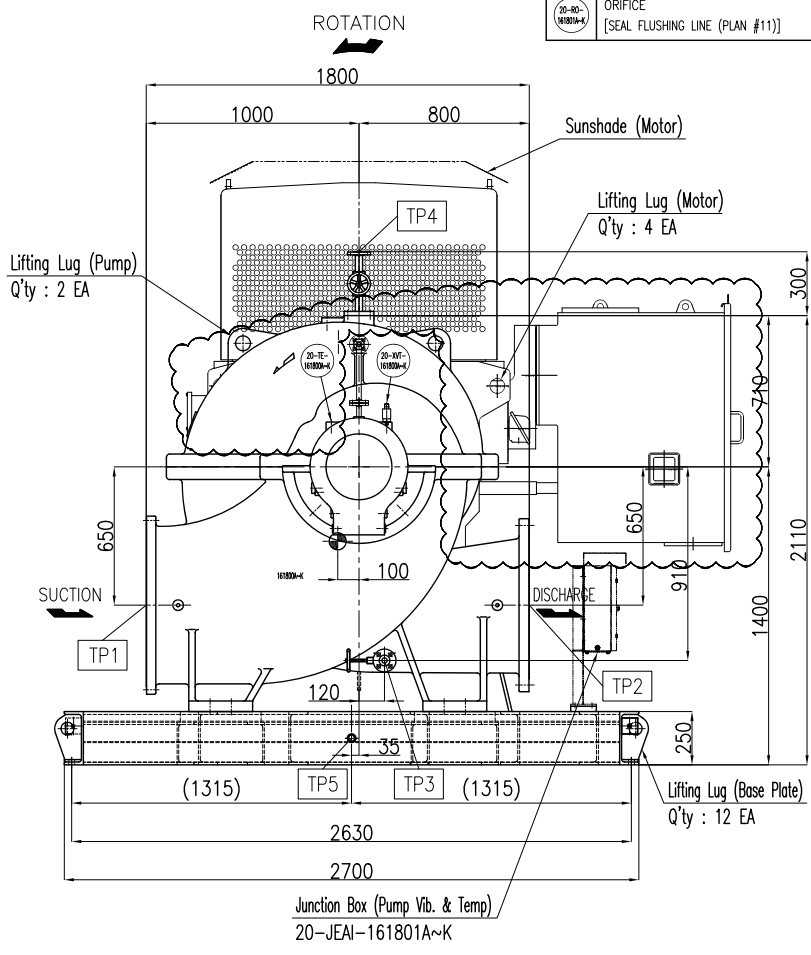
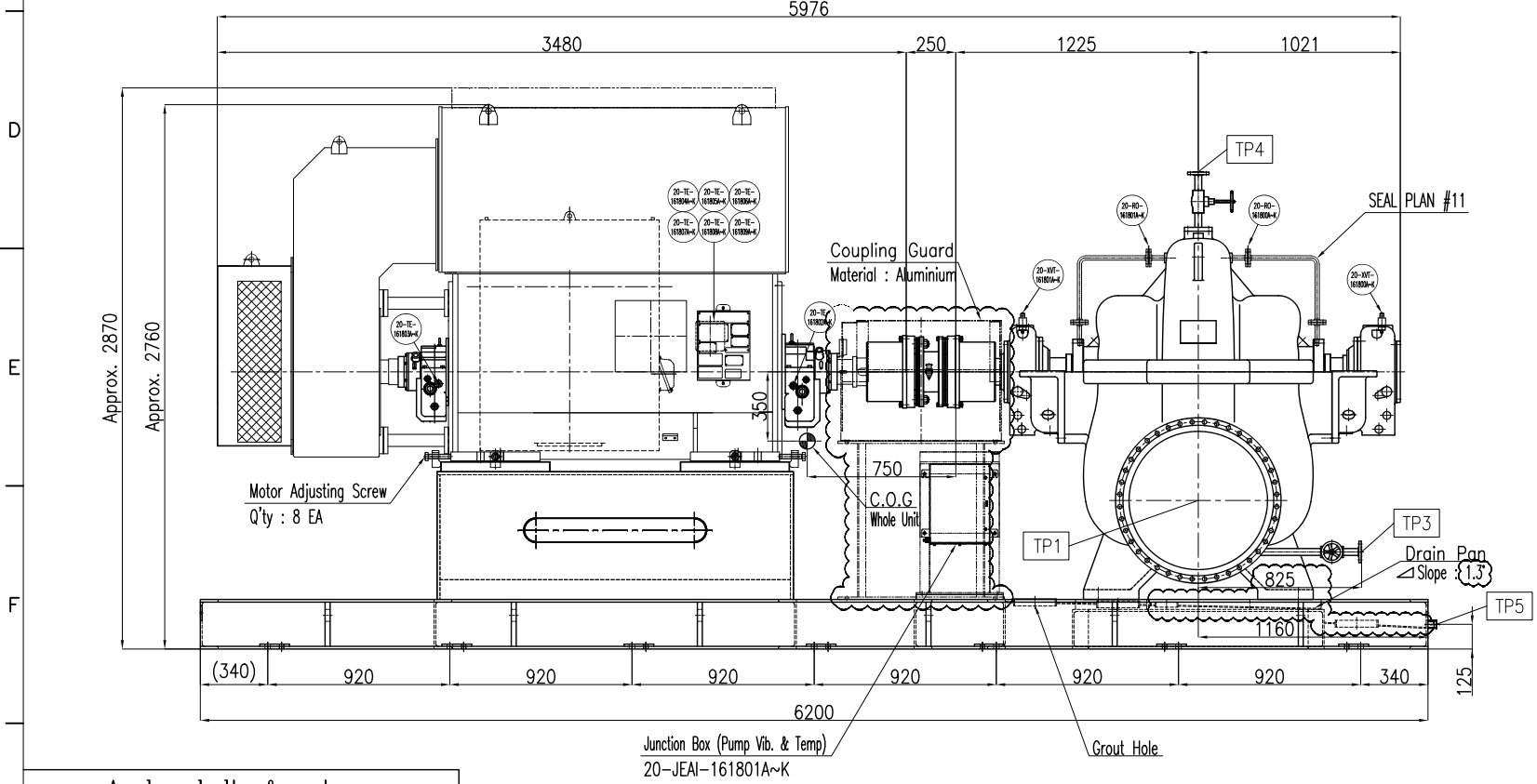
NOTE

- Permissible amplitude of vibration : 4.2 mm/s (r.m.s)
- Mass moment of inertia of machine
- 1) Pump rotor : 70.79 kg-m
- 2) Motor rotor : 43.3 kg-m
3. Max. maintenance weight : 1050 kg (Upper Casing)
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.

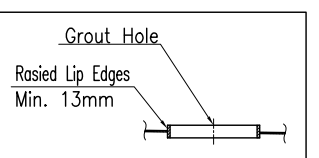
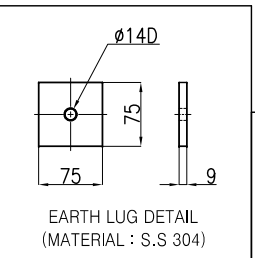
REFERENCE DOCUMENTS	DOC. NO.

LEGEND	
DES.	
SYMBOL	

EQUIPMENT LIST	



Nozzle Loadings Data						
Nozzle	Size (ø)	Force(N)			Moment(N-m)	
		Fx	Fy	Fz	Mx	My
Suction	700	21360	26700	17340	19110	9360
Discharge	600	20010	24000	16020	18300	8940



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 "Re-Reviewed 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 reaching 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(If) 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
ST	AR
PR	SA
ME	HV
MA	TL

05	11/03/2021	R	FOR APPROVAL	J.H. KIM	Y.H. OH	Y.H. OH	M.Y. LEE
04	23/09/2020	R	FOR APPROVAL	J.H. KIM	Y.H. OH	Y.H. OH	M.Y. LEE
03	09/08/2020	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	19/06/2020	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.
Kangan Olefin Project							
Centrifugal Pumps & Special Pumps							
Contract No. KP-20-00-PS-MA-PO-0001							
DRAWING TITLE: General arrangement drawing for 20-P-1614 A~K							
DRAWING NO. VP-20-00-MA-0001-0805							
				REV.	SHEET No.	SIZE	
				05	1 OF 1	A3	