

Flange Rating ANSI B16.5 300LB (RF)						
Rating	Ød	Øg	ØD	ØC	Q-ØH	t
Suction	200	269.9	381	330.2	12-Ø26	41.5
Discharge	150	215.9	317.5	269.7	12-Ø23	36.5

Nozzle		Force(N)			Moment(N-m)		
		Fx	Fy	Fz	Mx	My	Mz
Suction	200	9780	7560	6220	7060	3520	5160
Discharge	150	4980	4100	6220	4600	2360	3520

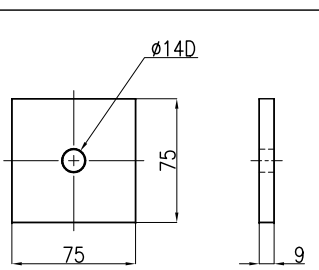
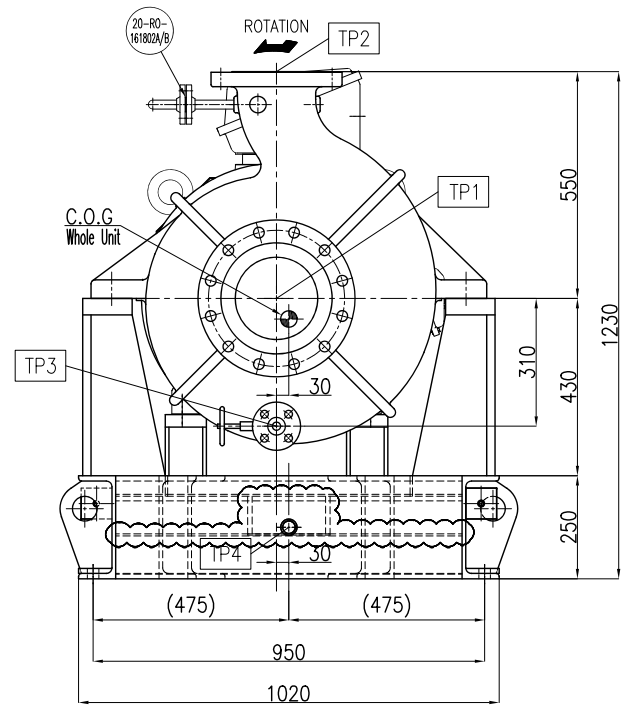
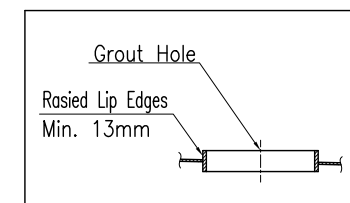
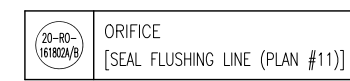
PUMP			
MODEL	CAPACITY (m³/hr)	HEAD (m)	REVOLUTION (RPM)
HB 200x150-500	300	65	1485

MOTOR			
FRAME	POWER (KW)	VOLT (V)	POLE (P)
280S	90	400	4

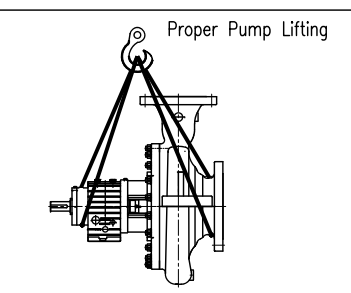
WEIGHT			
	PUMP	MOTOR	BASE PLATE TOTAL
STATIC	895	1055	750
DYNAMIC	1074	1055	750

WEIGHT	
PUMP ROTOR	MOTOR ROTOR
120 kg	316 kg

Tie-in Point List	
TP4	Base Plate Drain NPT 1"
TP3	Pump Casing Drain 3/4", ANSI CL 300 R.F
TP2	Pump Discharge 6", ANSI CL 300 R.F
TP1	Pump Suction 8", ANSI CL 300 R.F
No.	Tie-in Point Specification



EARTH LUG DETAIL (MATERIAL : S.S 304)



Sling ropes must not be attached to the free shaft. Failure to do so may result in equipment damage.

- NOTE
- Permissible amplitude of vibration : 3.2 mm/s (r.m.s)
 - Mass moment of inertia of machine
 - 1) Pump rotor : 10.2 kg-m
 - 2) Motor rotor : 3.023 kg-m
 3. Max. maintenance weight : 1055 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	Approved: No comment and the document is released for Manufacturing.
Code2	Approved with Minor comment: Vendor shall correct, revise and resubmit the document. The document can be released for Manufacturing if changes incorporated.
Code3	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	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	No Code/ Only for "FOR INFORMATION" documents and "As-Built Drawings" Document has been submitted for CONSULTANT / OWNER / MC's Information(PI) 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	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	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.
Kangan Olefin Project							
Centrifugal Pumps & Special Pumps							
Contract No. 0000-00-0000 P.O. No. KP-20-00-PS-MA-PO-0001 SCALE: N/S							
DRAWING TITLE: General arrangement drawing for 20-P-1604 A/B							
DRAWING NO. VP-20-00-MA-0001-1005				REV. SHEET No. SIZE			
				04 1 OF 1 A3			