

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

End Suction
Top Discharge

Nozzle Loadings Data

Nozzle	Size (ϕ)	Force(N)			Moment(N-m)		
		F _x	F _y	F _z	M _x	M _y	M _z
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	275	68.3	1485

MOTOR

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

WEIGHT

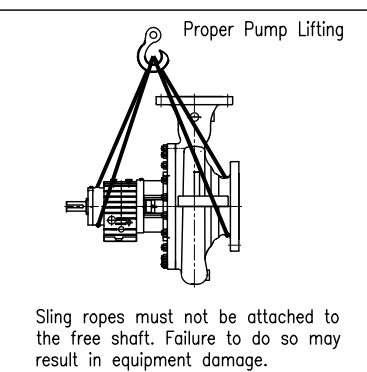
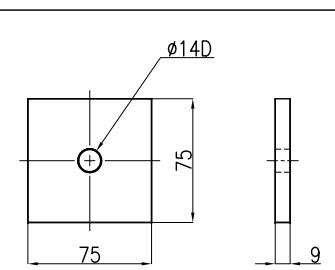
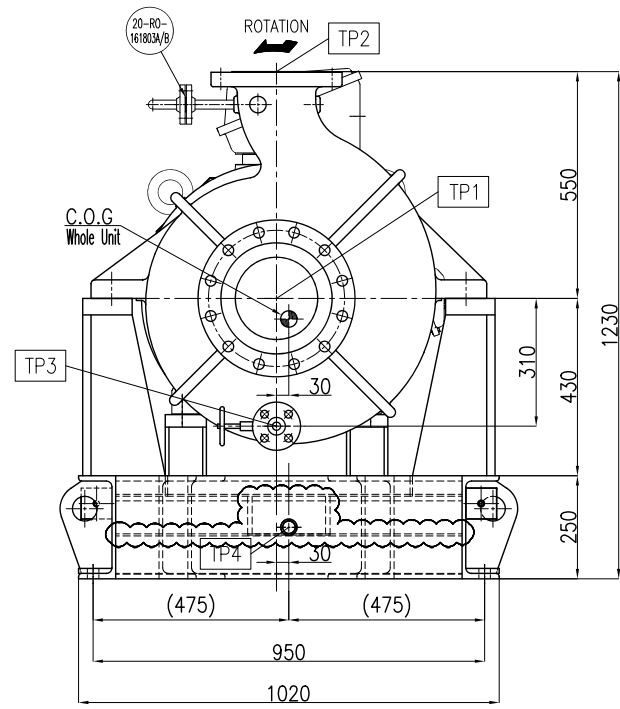
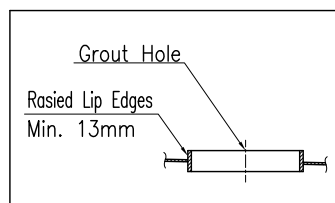
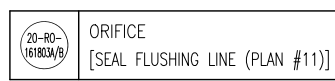
	PUMP	MOTOR	BASE PLATE	TOTAL
STATIC	895	1055	750	2700
DYNAMIC	1074	1055	750	2879

WEIGHT

PUMP ROTOR	MOTOR ROTOR
120 kg	316 kg

Tie-in Point List

No.	Tie-in Point	Specification
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



- 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

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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 "Re-Released 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(excluding transmission/travelling time) after receiving the commented documents from CONSULTANT / OWNER / MC.

No Code: ☐ No Code/ Only for "FOR INFORMATION" documents and "As-Built Drawn" 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

05	11/03/2021	R	FOR APPROVAL	J.H. KIM	Y.H. OH	Y.H. OH	M.Y. LEE
04	02/08/2020	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.
Kangan Olefin Project							
Contract No. 9902-00-00-0001 P.O. No. KP-20-00-PS-MA-PO-0001 SCALE: N/S							
DRAWING TITLE: General arrangement drawing for 20-P-1613 A/B							
DRAWING NO. VP-20-00-MA-0001-1205				REV. 05 SHEET No. 1 OF 1 SIZE A3			