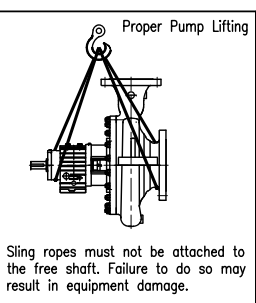
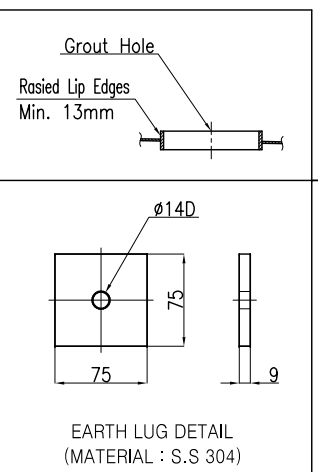


Flange Rating ANSI B16.5 300LB (RF)

Rating	Ød	Øg	ØD	ØC	Q-ØH	t
Suction	150	215.9	318	269.9	12-Ø23	37
Discharge	100	157.2	254	200	8-Ø23	32

Nozzle Loadings Data

Nozzle	Size (Ø)	Force(N)			Moment(N-m)		
		Fx	Fy	Fz	Mx	My	Mz
Suction	150	6220	4980	4100	4600	2360	3520
Discharge	100	2840	2320	3560	2660	1360	2000



PUMP

MODEL	CAPACITY (m³/hr)	HEAD (m)	REVOLUTION (RPM)
HB 150x100-200H	137	45	2960

MOTOR

FRAME	POWER (KW)	VOLT (V)	POLE (P)
200L	30	400	2

WEIGHT UNIT: Kg

	PUMP	MOTOR	BASE PLATE	TOTAL
STATIC	470	300	390	1160
DYNAMIC	564	300	390	1254

WEIGHT

	PUMP ROTOR	MOTOR ROTOR
	49 kg	100 kg

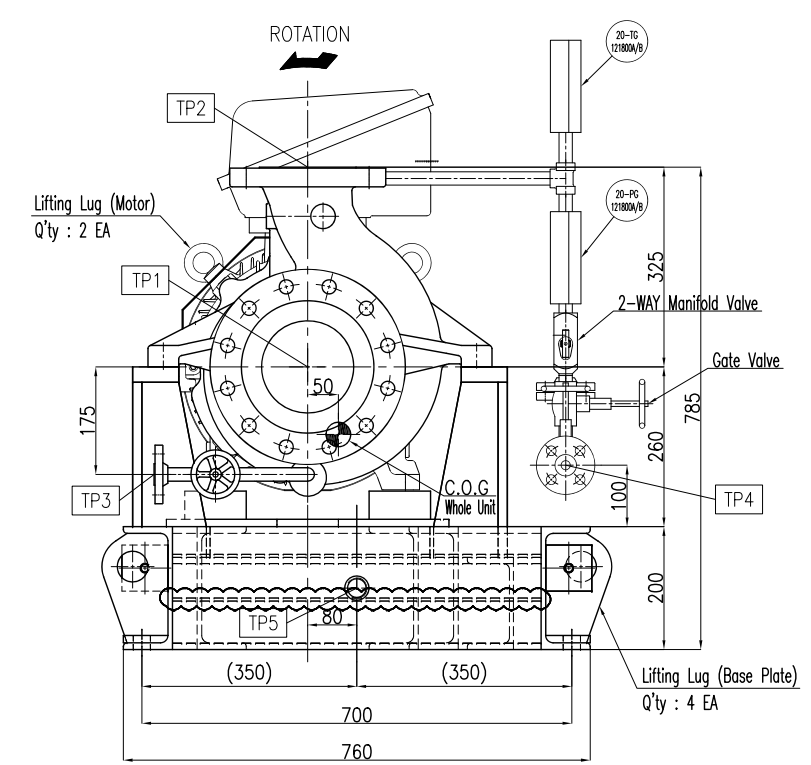
Tie-in Point List

No.	Tie-in Point	Specification
TP5	Base Plate Drain	NPT 1"
TP4	Sealing Water Inlet (Seal Plan #32)	1/2", ANSI CL 300 R.F
TP3	Pump Casing Drain	1/2", ANSI CL 300 R.F
TP2	Pump Discharge	4", ANSI CL 300 R.F
TP1	Pump Suction	6", ANSI CL 300 R.F

FLOW INDICATOR
[SEAL FLUSHING LINE (PLAN #32)]

PRESSURE GAUGE
[SEAL FLUSHING LINE (PLAN #32)]

TEMPERATURE GAUGE
[SEAL FLUSHING LINE (PLAN #32)]



NOTE

- Permissible amplitude of vibration : 3.2 mm/s (r.m.s)
- Mass moment of inertia of machine
- 1) Pump rotor : 0.65 kg-m
- 2) Motor rotor : 0.168 kg-m
3. Max. maintenance weight : 470 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 DWG's" 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.

EIED

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

REV.	DATE	STATUS	PURPOSE OF ISSUE	PREP.	CHKD.	APPD.	AUTH.
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	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

Kangan Olefin 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-1202 A/B

DRAWING NO.
VP-20-00-MA-0001-0105

REV.
04

SHEET No.
1 OF 1

SIZE
A3