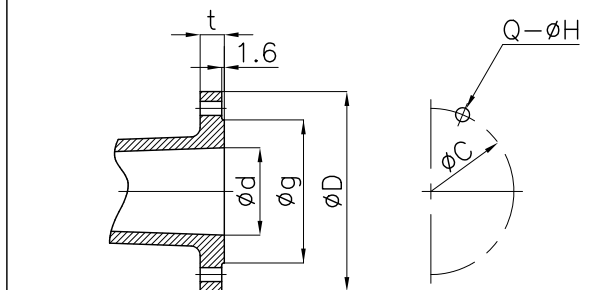
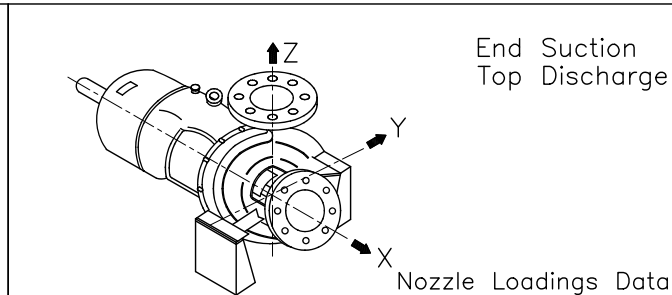


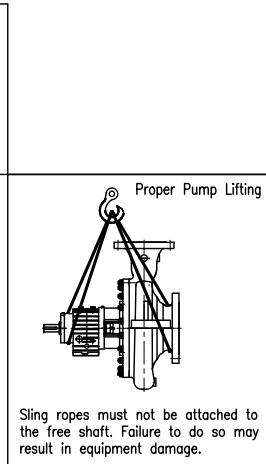
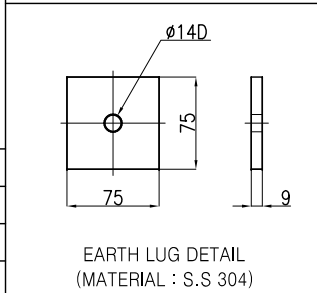
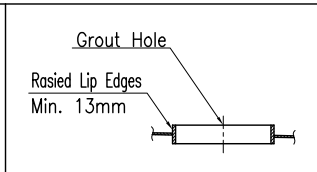
Flange Rating ANSI B16.5 300LB (RF)



Rating	Ød	Øg	ØD	ØC	Q-ØH	t
Suction	150	215.9	318	269.7	12-Ø23	37
Discharge	100	157.2	254	200.1	8-Ø23	32



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 150x100-315A	110	23	1475

WEIGHT				UNIT : Kg
	PUMP	MOTOR	BASE PLATE	TOTAL
STATIC	480	200	370	1050
DYNAMIC	576	200	370	1146

Tie-in Point List	
No.	Tie-in Point
TP5	Base Plate Drain
TP4	Sealing Water Inlet (Seal Plan #32)
TP3	Pump Casing Drain
TP2	Pump Discharge
TP1	Pump Suction
No.	Tie-in Point
	Specification

MOTOR			
FRAME	POWER (KW)	VOLT (V)	POLE (P)
180M	18.5	400	4

WEIGHT	
PUMP ROTOR	MOTOR ROTOR
58 kg	60 kg

Tie-in Point List	
No.	Tie-in Point
20-FI (121802A/B)	FLOW INDICATOR [SEAL FLUSHING LINE (PLAN #32)]
20-PG (121801A/B)	PRESSURE GAUGE [SEAL FLUSHING LINE (PLAN #32)]
20-TG (121802A/B)	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 : 1.68 kg-m
  - 2) Motor rotor : 0.166 kg-m
  3. Max. maintenance weight : 480 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 (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

REV.	DATE	STATUS	PURPOSE OF ISSUE	PREP.	CHKD.	APPD.	AUTH.
04	11/03/2021	R	FOR APPROVAL	J.H. KM	Y.H. OH	Y.H. OH	M.Y. LEE
03	12/08/2020	R	FOR APPROVAL	J.H. KM	Y.H. OH	Y.H. OH	M.Y. LEE
02	28/07/2020	R	FOR APPROVAL	J.H. KM	Y.H. OH	Y.H. OH	M.Y. LEE
01	19/06/2020	R	FOR APPROVAL	J.H. KM	Y.H. OH	Y.H. OH	M.Y. LEE
00	13/03/2020	F	FOR APPROVAL	J.H. KM	Y.H. OH	Y.H. OH	M.Y. LEE

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-1205 A/B			
DRAWING NO.	REV.	SHEET No.	SIZE
VP-20-00-MA-0001-0305	04	1 OF 1	A3