



PUMP

MODEL	CAPACITY (m ³ /hr)	HEAD (m)	REVOLUTION (RPM)
VCHT 150x100-5S	66	232.3	2970

WEIGHT

	PUMP	MOTOR	SOLE PLATE	RESERVOIR TANK	TOTAL
STATIC	3000	755	250	80	4085
DYNAMIC	3750	755	250	96	4851

MOTOR

FRAME	POWER (kW)	VOLT (V)	POLE (P)
250M	75	400	2

WEIGHT

	PUMP ROTOR	MOTOR ROTOR
	150 kg	226 kg

UNIT : Kg

Tie-in Point List

No.	Tie-in Point	Specification
TP11	Flushing Line Drain	NPT 1/2"
TP10	PLAN 52 Filling	FUNNEL
TP9	PLAN 52 Drain	NPT 3/4"
TP8	PLAN 52 Vent	3/4", ANSI CL 300 R.F
TP7	Cooling Water Outlet	1/2", ANSI CL 150 R.F
TP6	Cooling Water Inlet	1/2", ANSI CL 150 R.F
TP5	Air Purge Line	1/2", ANSI CL 300 R.F
TP4	Drain Line	1/2", ANSI CL 300 R.F
TP3	Air Vent / Equalizing Line	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

Anchor bolts & nuts
(ASTM F1554 Gr. 36+Hot Dip Galvanize)

Flange Rating ANSI B16.5 300LB (RF)

Rating	ød	øg	øD	øC	Q-øH	t
Suction	150	215.9	317.5	269.7	12-ø23	36.5
Discharge	100	157.2	254	200	8-ø23	31.7

NOZZLE LOADING DATA

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

VIEW "B-B"
(Elevation : 500mm From Ground)

EARTH LUG DETAIL
(MATERIAL : S.S 304)

NOTE

- Permissible amplitude of vibration : 3.2 mm/s (r.m.s)
- Mass moment of inertia of machine
- 1) Pump rotor : 1.02 kg-m
- 2) Motor rotor : 1.053 kg-m
3. Max. maintenance weight : 3000 kg (Pump)
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.

EQUIPMENT LIST

Approval

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 Be Revised Issue". All corrected documents shall be resubmitted before starting the Manufacturing.

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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 : 21.Apr.2021
DEPT. : MA
Signature : D. M.

Only for Internal review

CV	PI	EL	IN	ME	MA
ST	AR	PR	SA	HV	TL

05	19/04/2021	R	FOR APPROVAL	J.H. KIM	Y.H. OH	Y.H. OH	M.Y. LEE
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	30/07/2020	R	FOR APPROVAL	J.H. KIM	Y.H. OH	Y.H. OH	M.Y. LEE
01	26/06/2020	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.

EIED 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-1705

DRAWING NO.
VP-20-00-MA-0001-1505

REV.
05

SHEET No.
1 OF 1

SIZE
A3

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