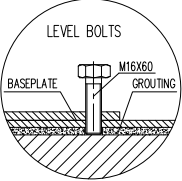
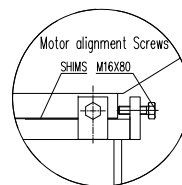


- Note:
- The weight of maximum maintenance part is 120.4 kg(assembly pump casing)
  - Leveling pads(SS) will be supplied by vendor (qty.=anchor bolt qty)
  - Grout material shall be non-shrinkage cement mortar or epoxy mortar.



Maximum Allowable Amplitude For Foundation	
Velocity (Peak)	4 mm/s
Displacement	25.4 $\mu$ m

Nozzle information						
8	Plan 53B filling	N8	1/2" Quick Connector			
7	Plan 53B N2 charging	N7	M14*1.5			
6	Plan 53B vent	N6	1/2" ASME B16.5-09	Class600	RF	
5	Plan 53B drain	N5	1/2" ASME B16.5-09	Class600	RF	
4	Baseplate drain	N4	1" ASME B16.5-09	Class150	RF	
3	Pump drain	N3	3/4" ASME B16.5-09	Class300	RF	
2	Pump Discharge	N2	1" ASME B16.5-09	Class300	RF	
1	Pump Suction	N1	2" ASME B16.5-09	Class300	RF	
NO.	Nozzle	Sign	NPS	Standard	Rating	Face

LIFTING INFORMATION			
Pump	AX	0	
	AY	0	
	AZ	5	
Motor	BX	460	
	BY	0	
	BZ	20	
Unity	CX	116	
	CY	0	
	CZ	146	


Displacement	X	Y	Z	X	Y	Z
≤200	≤0.05	≤0.05	≤0.1	≤0.08	≤0.08	≤0.15
200<D≤300	≤0.08	≤0.08	≤0.15	≤0.10	≤0.10	≤0.2
300<D≤400	≤0.10	≤0.10	≤0.2	≤0.10	≤0.10	≤0.2

Nozzle load,Force(N)/Moment(N.m)			
DN1	Fx	Fy	Fz
	1780	1420	1160
	Mx	My	Mz
DN2	920	460	700
	Fx	Fy	Fz
	1420	1160	1780
DN2	Mx	My	Mz
	920	460	700

NGL-CT-1-0000-ME-PO-0014-DO


REFERENCE DRAWING	DWG. NO.
MOTOR OUTLINE DRAWING	NGL-V-3014-ME-DW-3016
COUPLING DRAWING	NGL-V-3014-ME-DW-3014
PUMP DATA SHEET	NGL-V-3014-ME-DT-3003
PUMP CROSSSECTION DRAWING	NGL-V-3014-ME-DW-3005
PUMP P&ID	NGL-V-3014-ME-PD-3006
Seal System Drawing and BOM	NGL-V-3014-ME-DW-3011

PUMP INFORMATION	
Item No.:	P-3194-03 A/S
Service:	HP Wet Flare K.O. Drum Pumps
Model:	EAP 25-315-45-IA
Seal Plan:	11+53B
Flow/Head	27m <sup>3</sup> /h & 124.7m
Motor:	45KW - 2P
Rotation:	Clockwise viewed from the drive-end
No of Stages:	1
Pump Speed:	2970 rpm

Code1	<input type="checkbox"/> (Approved): No comment and release for Manufacturing (Document to be stamped as Final for considering in Vendor Data Book)
Code2	<input type="checkbox"/> (Approved with Comments): VENDOR/Sub-Contractor shall correct/revise document and issue it as "FOR APPROVAL" (Work May Be Proceeded)
Code3	<input type="checkbox"/> (Commented): VENDOR/Sub-Contractor shall correct /revise and resubmit it as "FOR APPROVAL" of the date documents specified (Corrected to be resubmitted before starting to manufacture.
No Code	<input type="checkbox"/> CONSULTANT and PURCHASER check results on Class 2 documents will be returned without any CODE. VENDOR/Sub-Contractor shall correct/revise document and issue it as "FOR INFORMATION"
The above checking result by OIEC shall in no way relieve Vendor of any liability, obligation and responsibility out of the purchase order and the mutual agreement in writing	
 <div> DATE :  DEPT :  Signature : </div>	

Static loading calculation results			Dynamic loading calculation results		
FXstatic=	3200/3200	N	FXdynamic=	0/0	N
FYstatic=	2580/2580	N	FYdynamic=	39/39	N
FZstatic=	-7988/13868	N	FZdynamic=	39/39	N
MXstatic=	3225/3225	N*m	MXdynamic=	113/-81	N*m
MYstatic=	7225/2123	N*m	MYdynamic=	25/25	N*m
MZstatic=	3251/3251	N*m	MZdynamic=	25/25	N*m

Note:  
Location of Loads & Moments Calculation is the geometric center of baseplate lower surface.

REV.	DATE	DESCRIPTION	PREP.	CHECK.	APPROVAL	OIEC APP.
D1	20.10.15	ISSUED FOR APPROVAL	R.X	D.D	R.C	A.A.
D2	20.09.27	ISSUED FOR APPROVAL	R.X	D.D	R.C	A.A.
Project Title: NGL 3100 PROJECT						
Contractor: 						
STATUS CODE: A=Comment/Review B=Approval C=Final Issue						
Pump General Arrangement Drawing For HP Wet Flare K.O. Drum Pumps P-3194-03 A/S						
OWNER DRAWING NUMBER						
Project Name	Originator	PO Serial No.	Disc.	Doc. Type	Seq No.	Rev.
NGL	V	3014	ME	DW	3002	D1
OIEC DRAWING NUMBER						
Project Code	Source	Unit & Section	Phase	Disc.	Doc. Type	Serial No.

WEIGHT(Kg)	Anchor Bolt Detail	Earthring bolt detail	PUMP END	LIFTING LUG
Total	1269			
Skid weight	545			
Aux. weight	155			
Motor weight	400			
Pump weight	169			