

REFERENCE DRAWING	DWG. NO.
MOTOR OUTLINE DRAWING	NGL-V-0014-ME-DW-3008
COUPLING DRAWING	NGL-V-0014-ME-DW-3007
PUMP DATA SHEET	NGL-V-0014-ME-DT-3012
PUMP CROSSSECTION DRAWING	NGL-V-0014-ME-DW-3005
PUMP P&ID	NGL-V-0014-ME-PD-3016

PUMP INFORMATION	
Item No.:	P-3120-05 A/S
Service:	Fresh Amine Pumps
Model:	EAP 25-315-45-I
Seal Plan:	11+61
Flow/Head	10+3m3/h & 87.1m
Motor:	30KW – 2P
Rotation:	Clockwise viewed from the drive-end
No of Stages:	1

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



DATE :  
DEPT:  
Signature :

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=	-6790/-12670	N	FZdynamic=	39/-39	N
MXstatic=	3146/-3146	N*m	MXdynamic=	29/-3	N*m
MYstatic=	5576/-3466	N*m	MYdynamic=	24/-24	N*m
MZstatic=	3198/-3198	N*m	MZdynamic=	24/-24	N*m

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

D5	26.3.19	ISSUED FOR APPROVAL	N.Z	T.H	R.C	B.KHODADADEH
D4	6.3.19	ISSUED FOR APPROVAL	N.Z	T.H	R.C	B.KHODADADEH
D3	23.2.19	ISSUED FOR APPROVAL	N.Z	T.H	R.C	B.KHODADADEH
D2	22.1.19	ISSUED FOR APPROVAL	N.Z	T.H	R.C	B.KHODADADEH
D1	20.12.18	ISSUED FOR APPROVAL	N.Z	T.H	R.C	B.KHODADADEH
D0	03.09.18	ISSUED FOR APPROVAL	N.Z	T.H	R.C	B.KHODADADEH

REV.	DATE	DESCRIPTION	PREP	CHECK	APPROVAL	OIEC APP.
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Project Title:

NGL 3100 PROJECT

Contractor:



STATUS CODE: A=Comment/Review B=Approval C=Final Issue

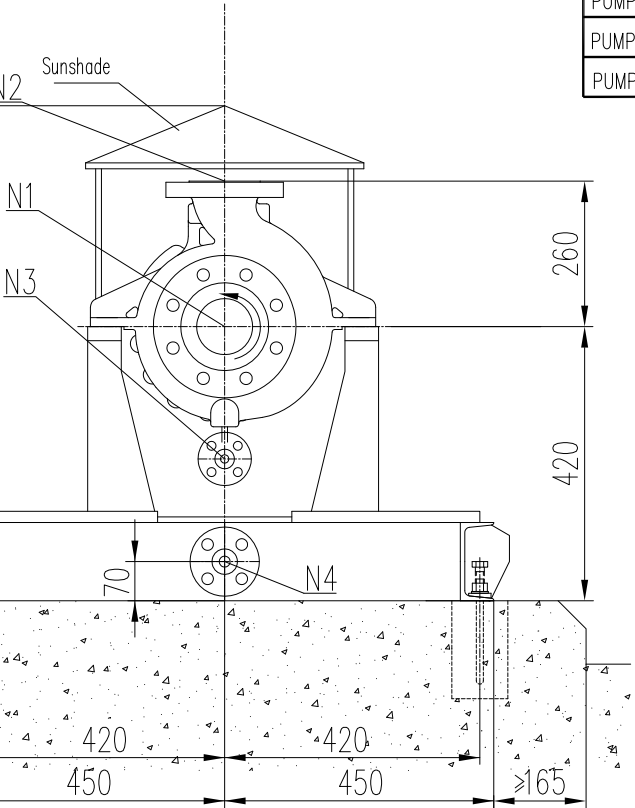
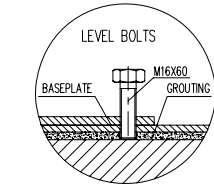
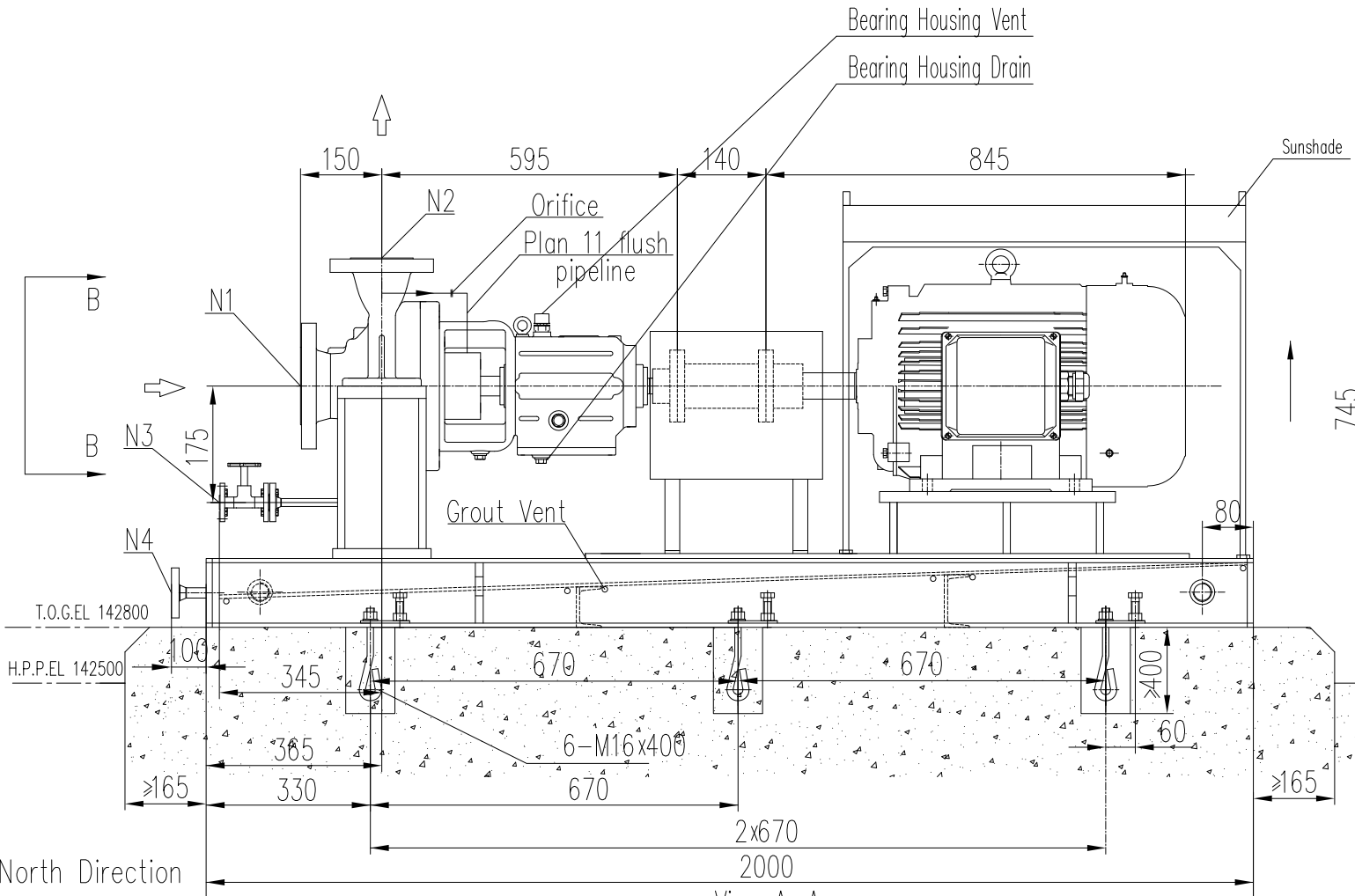
Pump General Arrangement Drawing For Fresh Amine Pumps P-3120-05 A/S

OWNER DRAWING NUMBER

Project Name	Originator	PO Serial No.	Disc.	Doc. Type	Seq No.	Rev.	Sheet No.	Status	Class	Size
NGL	V	0014	ME	DW	3003	D5	1 OF 1	B	1	A3

OIEC DRAWING NUMBER

Project Code	Source	Unit & Section	Phase	Disc.	Doc. Type	Serial No.	Rev.
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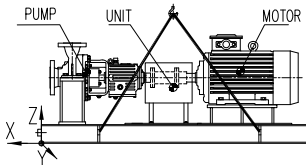


View B-B

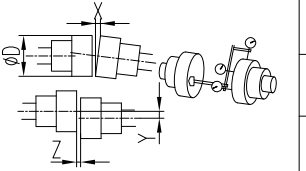
Note:

- The weight of maximum maintenance part is 127 kg(assembled bearing housing)
- Leveling pads(SS) will be supplied by vendor (qty.=anchor bolt qty)

#### LIFTING INFORMATION



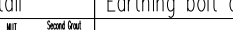
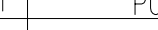
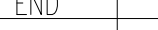
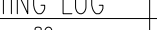
Pump	AX	453
	AZ	0
	BX	425
Motor	BY	0
	BZ	1522
Unit	CX	440
	CY	1050
	CZ	310



Nozzle load,Force(N)/Moment(N.m)

DN1	Fx	Fy	Fz
	1780	1420	1160
	Mx	My	Mz
	920	460	700
DN2	Fx	Fy	Fz
	1420	1160	1780
	Mx	My	Mz
	920	460	700

NGL-CT-1-0000-ME-PO-0014-D0

WEIGHT		Anchor Bolt Detail	Earthing bolt detail	PUMP END	LIFTING LUG	Nozzle information						
Total	912	 <p>Anchor bolts will be supplied by DBP</p>				4	Baseplate drain	N4	1"	ASME B16.5-09	Class150	RF
Skid weight	375					3	Pump drain	N3	3/4"	ASME B16.5-09	Class300	RF
Aux. weight	0					2	Pump Discharge	N2	1"	ASME B16.5-09	Class300	RF
Motor weight	366					1	Pump Suction	N1	2"	ASME B16.5-09	Class300	RF
Pump weight	247					NO.	Nozzle	Sign	NPS	Standard	Rating	Face