

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	2"	ASME B16.5-09	Class300	RF
1	Pump Suction	N1	3"	ASME B16.5-09	Class300	RF
NO.	Nozzle	Sign	NPS	Standard	Rating	Face

WEIGHT(Kg)		Anchor Bolt Detail	Earthing bolt detail	PUMP END	LIFTING LUG
Total	638	<p>Anchor bolts will be supplied by DBP</p> <p>Bolts Material Carbon Steel</p>			
Skid weight	300				
Aux. weight	155				
Motor weight	58				
Pump weight	125				

PUMP INFORMATION	
Item No.:	P-3185-02 A/S
Service:	Sour Water Stripper Bottom Pump
Model:	EAP 50-250-35-1A
Seal Plan:	53B
Flow/Head	18.7m <sup>3</sup> /h & 16m
Motor:	4KW – 4P
Rotation:	Clockwise viewed from the drive-end
No. of Stages:	1
Pump Speed:	1440 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



DATE :  
DEPT:  
Signature :

Static loading calculation results		Dynamic loading calculation results	
FXstatic=	4080/4080 N	FXdynamic=	0/0 N
FYstatic=	3300/3300 N	FYdynamic=	0/0 N
FZstatic=	-1374/8494 N	FZdynamic=	0/0 N
MXstatic=	4682/4682 N*m	MXdynamic=	1825/-528 N*m
MYstatic=	5781/5444 N*m	MYdynamic=	0/0 N*m
MZstatic=	3990/3990 N*m	MZdynamic=	0/0 N*m

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

D2	20.07.15	ISSUED FOR APPROVAL	R.X T.H	R.C	A.A.
D1	20.06.02	ISSUED FOR APPROVAL	R.X T.H	R.C	A.A.
D0	20.04.30	ISSUED FOR APPROVAL	R.X T.H	R.C	A.A.
REV.	DATE	DESCRIPTION	PREP CHECK	APPROVAL	OIBC APP.


Project Title:		<h1 style="text-align: center;">NGL 3100 PROJECT</h1>									
Contractor:		<div style="text-align: center;">  <p><b>...building trust</b>  <b>شرکت مهندسی و ساختمان مبین ناست</b></p> </div>									
STATUS: CODE: A=Comment/Review B=Approval C=Final Issue											
<h2 style="text-align: center;">Pump General Arrangement Drawing For</h2> <h3 style="text-align: center;">Sour Water Stripper Bottom Pump P-3185-02 /A5</h3>											
OWNER DRAWING NUMBER											
Project Name	Originator	PO Serial No.	Disc.	Doc. Type	Seq No.	Rev.	Sheet No.	Status	Class	Size	
NGL	V	2014	ME	DW	D2		1 OF 1	B	I	A3	
OIEC DRAWING NUMBER											
Project Code	Source	Unit & Section	Phase	Disc.	Doc. Type	Serial No.	Rev.				

Note:

1. The weight of maximum maintenance part is 52 kg(asssembled pump casing)
- 2.Leveling pads(SS) will be supplied by vendor (qty.=anchor bolt qty)
- 3.Grout material shall be non-shrinkage cement mottar or epoxy mortar.

The diagram illustrates the mechanical layout of the lifting system. A pump is connected to a unit, which is supported by a triangular frame. A motor is connected to the unit via a coupling (CX) and a belt drive (BX). The motor is also connected to a unit (BZ) and a coupling (CX). The unit is connected to a coupling (CY) and a coupling (CZ). A coordinate system is shown with X, Y, and Z axes.

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

Nozzle load,Force(N)/Moment(N.m)				
	DN1	Fx	Fy	Fz
		2660	2140	1780
		Mx	My	Mz
	DN2	1900	940	1440
		Fx	Fy	Fz
		1420	1160	1780
		Mx	My	Mz
		920	460	700

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Contract No.:

Date: \_\_\_\_\_