

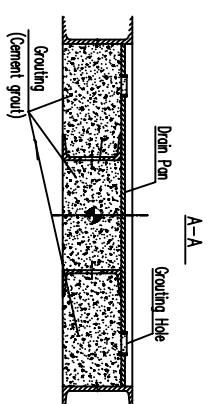
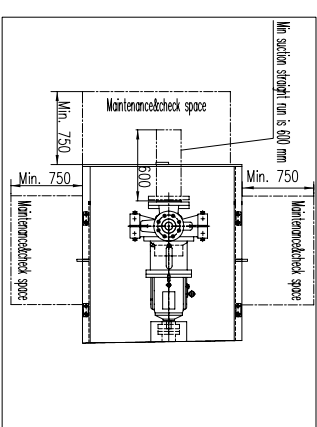
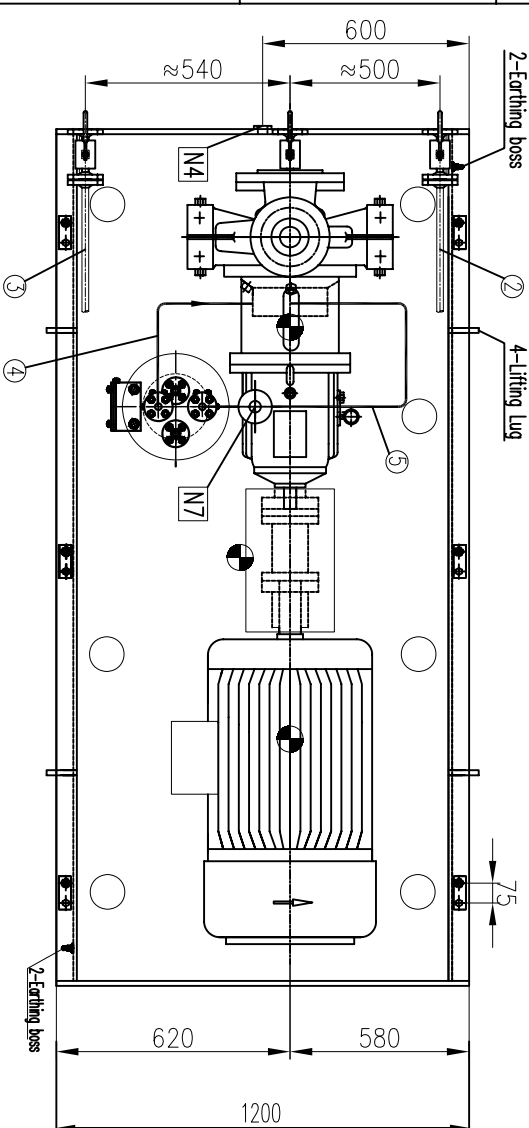
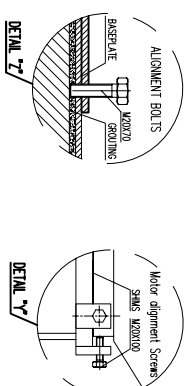
PROCESS CONNECTIONS			
Code	Description	Size & Rating	Remark
N1	Pump Suction Flange	8", ASME B16.5 300LB RF	
N2	Pump Discharge Flange	8", ASME B16.5 300LB RF	
N3	Pump Drain Flange	3/4", ASME B16.5 300LB RF	Flange with ball valve
N4	Bessiepile Drain	NPT 2"	
N5	Cooling Water Inlet Flange	1", ASME B16.5 150LB RF	Flange with ball valve
N6	Cooling Water Outlet Flange	1", ASME B16.5 150LB RF	Flange with ball valve
N7	Plan23 Vent	3/4", ASME B16.5 300LB RF	Flange with ball valve
Pipeline Description			
①	Pump Drain		
②	Main cooling water inlet		
③	Main cooling water outlet		
④	Plan23 Flushing pipeline (to seed chamber)		
⑤	Plan23 Flushing pipeline (from seed chamber)		

PUMP INFORMATION	
Item No:	01-445-P-1 A/B
Service:	STEAM CONDENSATE PUMPS
Model:	EAP 200K-4-500-9
Seal Part:	23+61
Motor:	90KW-1488RPM
Motor Critical Speed	3900RPM

PUMP INFORMATION	
Item No:	01-445-P-1 A/B
Service:	STEAM CONDENSATE PUMPS
Model:	EAP 200K-4-500-9
Seal Plan:	23+61
Motor:	90KW-1485RPM
Motor Critical Speed:	3900RPM

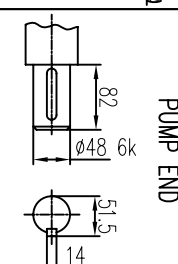
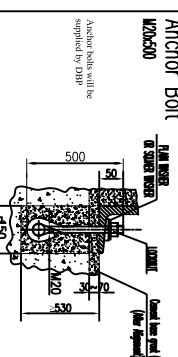
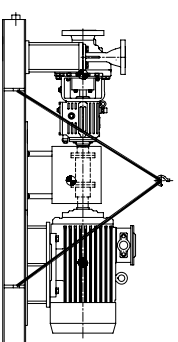
Note:

1. The pump is self vent.
2. Rotation: Clockwise viewed from drive-end.
3. Vibration Level complies to API610 requirement, table 8 and table 9.

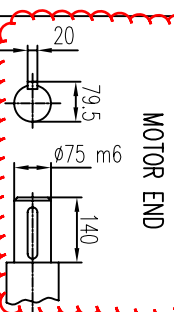
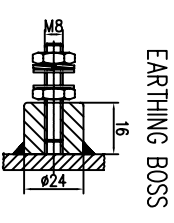


WEIGHT TABLE	
PUMP	586 KG
MOTOR	934 KG
SEAL SYSTEM	90 KG
BASERLATE	703 KG
OTHERS	50 KG
TOTAL WEIGHT	2,653 KG
ROTOR WEIGHT	94 KG
MAX. MAINTENANCE WEIGHT	326 KG

	<p>300 - 0,5-400</p>	<p>0,5-200</p>	<p>0,5-0,5</p>
		<p>0,5-200</p>	<p>0,5-0,5</p>
		<p>0,5-200</p>	<p>0,5-0,5</p>
		<p>0,5-200</p>	<p>0,5-0,5</p>
		<p>0,5-200</p>	<p>0,5-0,5</p>



DISCHARGE						
SECTION	8"	$\pm .700$	$\pm 0.720$	$\pm 9 / 650$	$\pm .720$	$\pm .460 \pm .00$
	inch	Fx	Fy	Fz	Mx	My Mz
	DN	face (N)				
	8"	$\pm 9 / 80$	$\pm .560$	$\pm 6.220$	$\pm 7.060$	$\pm 3.520 \pm 3.160$
	inch	Fx	Fy	Fz	Mx	My Mz
	DN	face (N)				
	Microin(hn)					



Dynamic loading calculation results	
F <sub>dynamic</sub> =1	0 N
F <sub>dynamic</sub> =1	133 N
F <sub>dynamic</sub> =1	133 N
M <sub>dynamic</sub> =1	679/-506 N*m
M <sub>dynamic</sub> =1	109 N*m
M <sub>dynamic</sub> =1	109 N*m

Static loading calculation results	
FStatic=1	17340 N
FStatic=1	13780 N
FStatic=1	-6063, 33863 N
MStatic=1	26436 N*m
MStatic=1	339860/34463 N*m
MStatic=1	23623 N*m

REV.	DATE	PURPOSE OF ISSUE	PREP. BY	CHKD. BY	APPD. BY	AUTH. BY
03	13/10/15	FOR APPROVAL	Eric	Andy	Tino	AAP
02	29/08/15	FOR APPROVAL	Eric	Andy	Tino	AAP
01	08/07/15	FOR APPROVAL	Eric	Andy	Tino	AAP
00	25/03/15	FOR APPROVAL	Eric	Andy	Tino	AAP

## Gas Sweetening, Sulphur Recovery, C2 Recovery Fractionation and Inter Connection Pipeline Between Plants Project



BUSHEHR PETROCHEMICAL COMPANY

P.O No.:	A315.760AME	SCALE:
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**DEEP BLUE PUMP**

 Energy Industries  
Engineering & Design Co.

**DRAWING TITLE:**

## Pump Outline Drawing for STEAM CONDENSATE PUMPS

01-445-P-1 A/B

DRAWING No.: BU-01-YD-307-MA-DRW-4451-015 SHEET No. 1 OF 1