

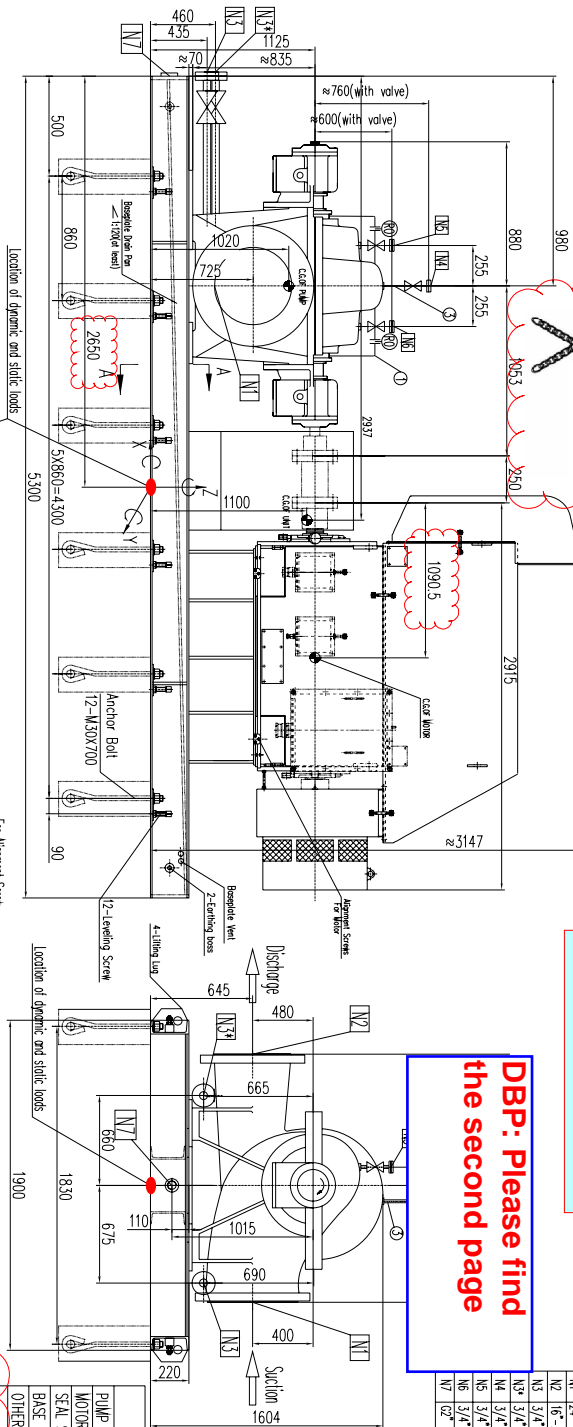
"Minimum height". Revise it in Vendor data book.

DBP: Please find the second page

PROCESS CONNECTIONS		
Code	Size & Rating	Description
N1	24"-ANSI 300lb-RF	Pump Suction
N2	16"-ANSI 300lb-RF	Pump Discharge
N3	3/4"-ANSI 300lb-RF	Pump Discharge
N4	3/4"-ANSI 300lb-RF	Pump Discharge
N5	3/4"-ANSI 300lb-RF	Pump Vent
N6	3/4"-ANSI 300lb-RF	Pump Vent
N7	12"-ANSI 300lb-RF	Drain

PUMP INFORMATION	
Item No.:	125-P-102 A/B/C
Unit:	125
Service:	SEA WATER BOOSTER PUMPS
Model:	SPLIT-0-EOS 400-570S
Seal Plan:	N+6
Motor:	1000KW - 1485RPM

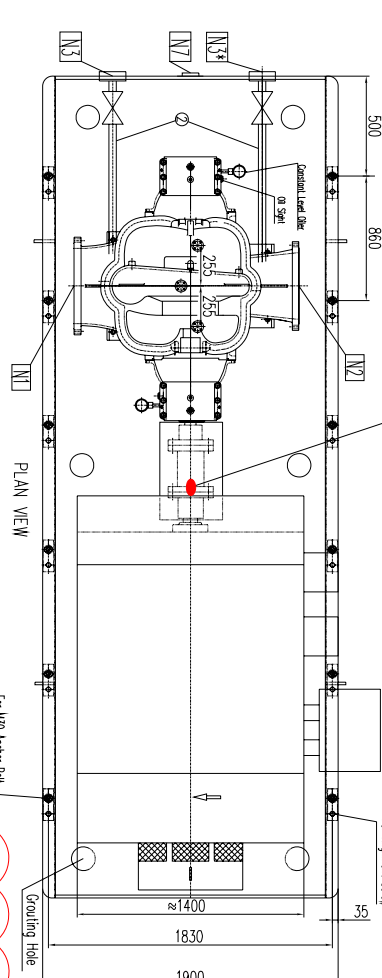
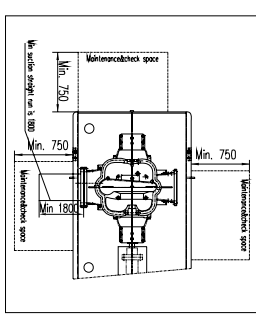
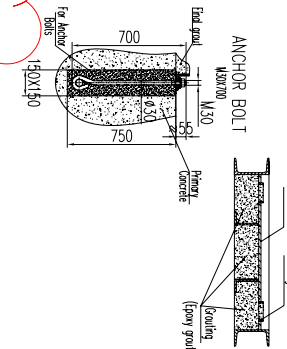
NOTE: 1. Valve for pump drain and vent are ball valve.



WEIGHT TABLE	
PUMP	4450 KG
MOTOR	6000 KG
SEAL SYSTEM	N/A KG
BASE PLATE	2920 KG
OTHERS	30 KG
TOTAL WEIGHT	13370 KG
ROTOR WEIGHT(PUMP)	520 KG
ROTOR WEIGHT(MOTOR)	2300 KG

Maximum Allowable Amplitude for Foundation

Velocity(FEM)	4 mm/s
Displacement	50.8 mm



MAX. ALLOWABLE MISALIGNMENT(mm)	
DS<200	X ≤0.05 Y ≤0.05 Z ≤0.1
200<DS<300	X ≤0.08 Y ≤0.08 Z ≤0.15
300<DS<400	X ≤0.10 Y ≤0.10 Z ≤0.2

Center of Gravity List	
PUMP	X 1670 Y 0 Z 1020
MOTOR	X -723.5 Y 0 Z 1175
UNIT	X -287 Y 0 Z 1100

Static loading calculation results	
FStatic=±	43220 N
FStatic=±	52860 N
FStatic=±	-98800/167640 N
FStatic=±	100848 N
MStatic=±	118277 N
MStatic=±	152354 N

Dynamic loading calculation results	
Fdynamic=±	0 N
Fdynamic=±	395 N
Fdynamic=±	395 N
Mdynamic=±	7030/-6142 N
Mdynamic=±	659 N
Mdynamic=±	659 N

Discharge	
DN	16"
inch	Fx Fy Fz
Force (N)	Mx My
Moment (Nm)	
Discharge	±16900±20460±13340±14640±7320±10840
DN	24"
inch	Fx Fy Fz
Force (N)	Mx My
Moment (Nm)	
Suction	±25000±30600±20020±22380±11040±16680
DN	24"
inch	Fx Fy Fz
Force (N)	Mx My
Moment (Nm)	

125-P-102 A/B/C
SEA WATER BOOSTER PUMPS
GENERAL ARRANGEMENT DRAWING

DRAWING No. VP-SP2021-0N-MA-125-P102-0001
SHEET No. 1 OF 1
REV. 3

PROJECT No.: PDC-572-88-35
DOC CLASS: SCALE: 1:1

DEEP BLUE PUMP CO. OIRCI

SOUTH PARS GAS FIELD DEVELOPMENT-
PHASES 20 & 21 ASSALUYAH-IRAN
ONSHORE FACILITIES

DATE: 26/07/2014
DEPT: Machinery
Signature: Salem

REFERENCE DRAWINGS
MOTOR OUTLINE DRAWING VP-SP2021-0N-MA-125-P102-0014
COUPLING DRAWING VP-SP2021-0N-MA-125-P102-0008

GENERAL NOTES

PUMP INFORMATION
Item No.: 125-P-102 A/B/C
Unit: 125
Service: SEA WATER BOOSTER PUMPS
Model: SPLIT-0-EOS 400-570S
Seal Plan: N+6
Motor: 1000KW - 1485RPM

NOTE: 1. Valve for pump drain and vent are ball valve.

