

GENERAL NOTES

PUMP INFORMATION	
Item No.:	110-P-101
Unit:	110
Service:	STABILISED CONDENSATE PUMP
Model:	API-0-P-150K4-560
Seal Plan:	110K4-560
Motor:	110KW - 1480RPM

NOTE: 1. Value for pump drain is ball valve.
2. The pump is self-vent.

REFERENCE DRAWINGS	DWG NO.
MECH. SEAL SYSTEM DRAWING	WP-SP2021-0N-MA-110-P101-0018
MOTOR OUTLINE DRAWING	WP-SP2021-0N-MA-110-P101-0016
COUPLING DRAWING	WP-SP2021-0N-MA-110-P101-0008

Code1	<input checked="" type="checkbox"/> (Approved) Vendor to submit "For Final" (No comment & release for manufacturing)
Code2	<input type="checkbox"/> (Approved with comments) Vendor shall correct / revise & submit it as "For Final"
Code3	<input type="checkbox"/> (Requested for manufacturing it change incorporated as indicated)
Code4	<input type="checkbox"/> (Commented) : Vendor shall correct / revise & resubmit, it as "For Approval" of the date specified : (Corrected documents to be)
Code5	<input type="checkbox"/> Not Acceptable quality (Relief)

This drawing is submitted by OIEC shall it as per existing Vendor of any liability, obligation and responsibility out of the purchase order and the mutual agreement in writing

DATE: 22/07/2014
DEPT: Machinery
Signature: Salem

Only for internal review

CV	PI	EL	IN	ME	MA
ST	BU	FR	SA	HA	TL

1	06.04.2014	FOR APPROVAL	DBP Thomas Ryan	Time
2	06.04.2014	FOR APPROVAL	DBP Thomas Ryan	Time
3	19.04.2014	FOR APPROVAL	DBP Thomas Ryan	Time
4	20.04.2014	FOR APPROVAL	DBP Thomas Ryan	Time

REV: DATE DESCRIPTION

DESIGNED BY: CHTD / APP'D: Contractor APP'D:

SOUTH PARS GAS FIELD DEVELOPMENT- PHASES 20 & 21, ASSALUYEH-IRAN

ONSHORE FACILITIES

PROJECT No.: POCG-572-88-35

DWG CLASS: SCALE:



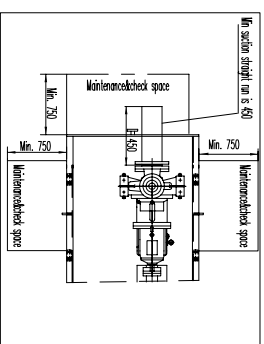
110-P-101
STABILISED CONDENSATE PUMP
GENERAL ARRANGEMENT DRAWING

Code	Size & Rating	Description	Remark
N1	6" -ANSI 300LB-RF	Section	
N2	6" -ANSI 300LB-RF	Discharge	
N3	3/4" -ANSI 300LB-RF	Pump Drain	
N4	6" -ANSI 150LB-RF	Booster Drain	
N5	3/4" -ANSI 150LB-RF	Cooling Water Inlet	
N6	3/4" -ANSI 150LB-RF	Cooling Water Outlet	
N7	3/4" -ANSI 600LB-RF	Blind Flange	
N8	3/4" -ANSI 600LB-RF	Flange With valve	
N9	1/2" Quick Fittings	Flange connection	
N10	3/4" -ANSI 600LB-RF	Flange connection	
N11	3/4" -ANSI 600LB-RF	Flange connection	

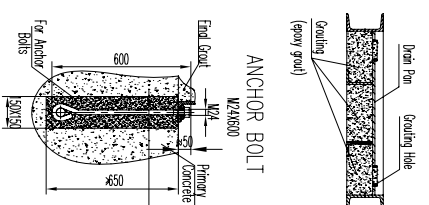
Pipeline Description
① Plant Flushing Pipeline
② Pump Drain
③ Plant Flushing Pipeline (to seal chamber)
④ Plant Flushing Pipeline (from seal chamber)

WEIGHT TABLE	
PUMP	: 813 KG
MOTOR	: 900 KG
SEAL SYSTEM	: 80 KG
BASEPLATE	: 880 KG
ROTOR	: 96.8 KG
OTHERS	: 35 KG
TOTAL WEIGHT	: 2708 KG

Maximum Allowable Amplitude for Foundation Velocity (PEAK)	: 4 mm/s
Displacement	: 50.8 mm



ANCHOR BOLT

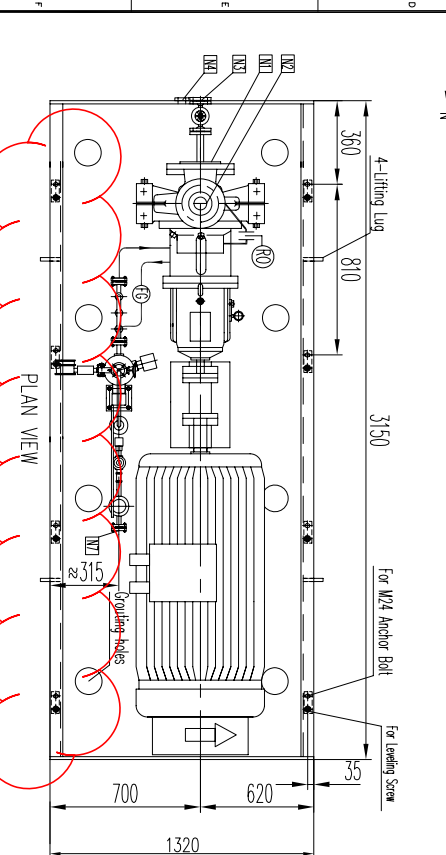
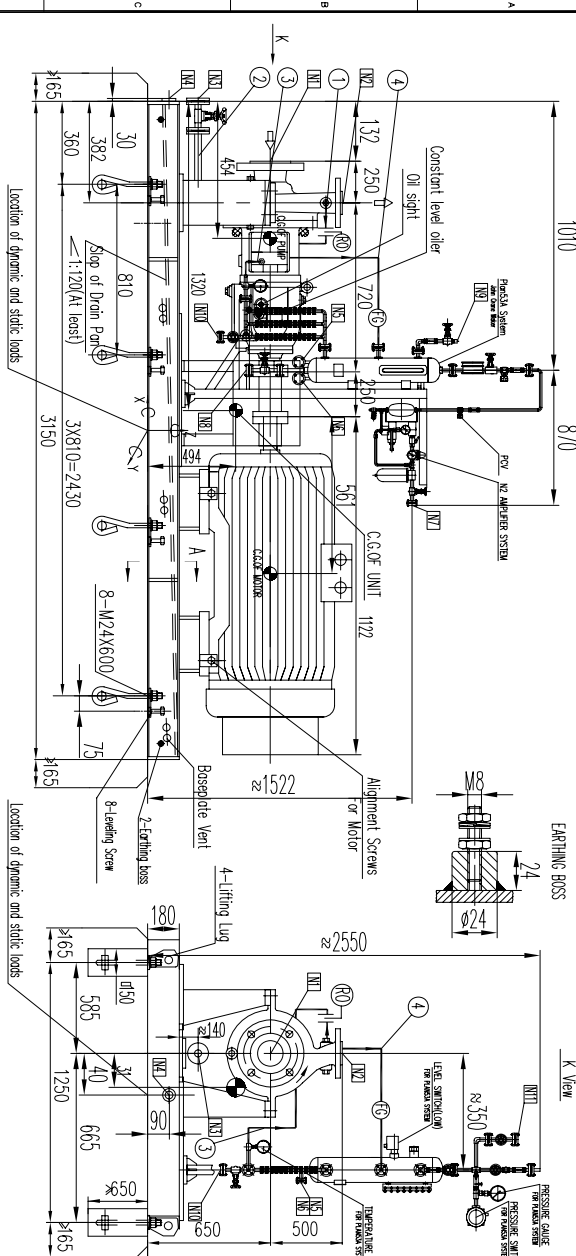


Center of Gravity List	
PUMP	X 1121 Y 0 Z 650
MOTOR	X 638 Y 0 Z 650
UNIT	X 255 Y 31 Z 494

Rotation: clockwise viewed from the drive-end

Static loading calculation results	
FXstatic=±	11200 N
FYstatic=±	9080 N
FZstatic=±	-15314/35954 N
MXstatic=±	17152 N*m
MYstatic=±	25784/25060 N*m
MZstatic=±	17002 N*m

Dynamic loading calculation results	
FXdynamic=±	0 N
FYdynamic=±	38 N
FZdynamic=±	38 N
MXdynamic=±	749/-700 N*m
MYdynamic=±	36 N*m
MZdynamic=±	36 N*m



MAX. ALLOWABLE MISALIGNMENT (mm)	
DS200	X 5.0/0.5 Y 5.0/0.5 Z 7.0/1.1
200x300	X 5.0/0.8 Y 5.0/0.8 Z 7.0/1.5
300x400	X 5.0/1.0 Y 5.0/1.0 Z 7.0/2.2

