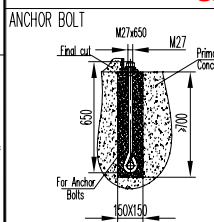
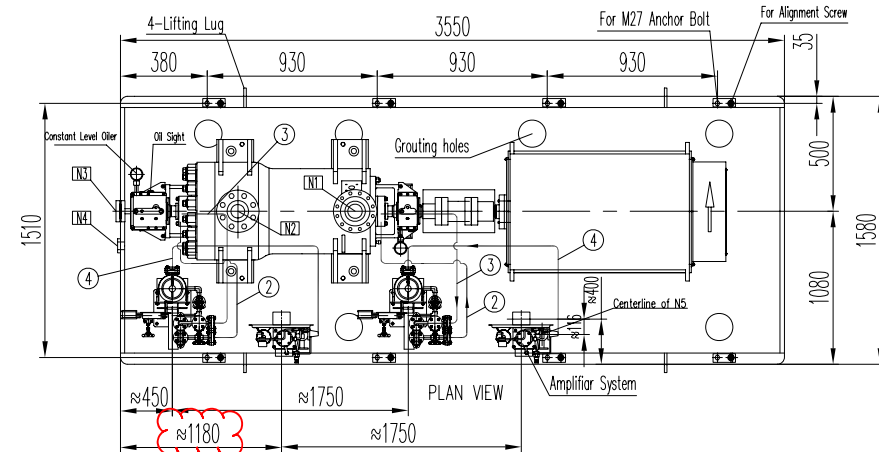
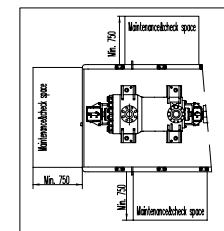
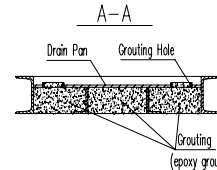


PROCESS CONNECTIONS			
Code	Size & Rating	Description	Remark
N1	6"-ANSI 600LB-RF	Pump Suction	
N2	4"-ANSI 600LB-RF	Pump Discharge	
N3	3/4"-ANSI 600LB-RF	Pump Drain	Flange with valve & blind flange
N4	6"	Baseplate Drain	
N5	1/2"-ANSI 600LB-RF	N2 Connection	Flange with valve
N6	3/4"-ANSI 600LB-RF	Plan53B Drain	Flange with valve & blind flange
N7	1/2" Quick Fittings	Plan53B Filling	Quick connection
N8	3/4"-ANSI 600LB-RF	Plan53B Vent	Flange with valve & blind flange

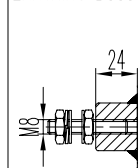
Pipeline Description	
①	Pump Drain
②	Plan53B Flushing Pipeline (to seal chamber)
③	Plan53B Flushing Pipeline (from seal chamber)
④	Plan53B N2 Filling Pipeline (from Amplifier System)

WEIGHT TABLE	
PUMP	: 1750 KG
MOTOR	: 880 KG
SEAL SYSTEM	: 190 KG
BASE PLATE	: 2800 KG
OTHERS	: 30 KG
TOTAL WEIGHT	: 5650 KG
ROTOR WEIGHT	: 180 KG

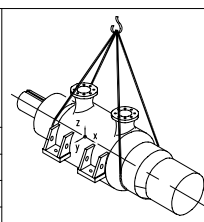
Maximum Allowable Amplitude For Foundation	
Velocity(PEAK)	: 4 mm/s
Displacement	: 25.4 $\mu$ m



EARTHING BOSS



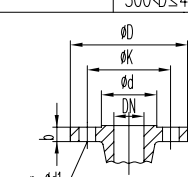
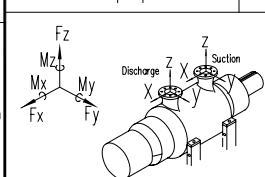
D(mm)	Y(mm)	Z(mm)
D≤200	<0.05	<0.2/1000
200<D≤300	<0.08	<0.3/1000
300<D≤400	<0.1	<0.4/1000



Center of Gravity List	
PUMP	X 855 Y -290 Z 690 X -1056
MOTOR	Y -290 Z 690 X -225
UNIT	Y -190 Z 650

Rotation: clockwise viewed from the drive-end

Static loading calculation results			Dynamic loading calculation results		
FXStatic±	7820 N		FXdynamic±	0 N	
FYStatic±	6420 N		FYdynamic±	234 N	
FZStatic±	-46922/66482 N		FZdynamic±	234 N	
MXStatic±	14707 N*m		MXdynamic±	1299/-976 N*m	
MYStatic±	27813/9697 N*m		MYdynamic±	171 N*m	
MZStatic±	9427 N*m		MZdynamic±	171 N*m	



DISCHARGE		±2840	±2320	±3560	±2660	±1360	±2000
Inch	Force (N)	Fx	Fy	Fz	Mx	My	Mz
6"	Force (N)	±4980	±4100	±6220	±4600	±2360	±3520
DN	Force (N)	Fx	Fy	Fz	Mx	My	Mz
DN	Moment (Nm)						

Nozzle Allowable Force & Moment

SUCTION		±2840	±2320	±3560	±2660	±1360	±2000
Inch	Force (N)	Fx	Fy	Fz	Mx	My	Mz
6"	Force (N)	±4980	±4100	±6220	±4600	±2360	±3520
DN	Force (N)	Fx	Fy	Fz	Mx	My	Mz
DN	Moment (Nm)						

Flange Size

## GENERAL NOTES

### PUMP INFORMATION

Item No.:	107-P-107/207 A/B
Unit:	107
Service:	PROPANE FEED PUMPS
Model:	APIFLO-MDG 85-80X5
Seal Plan:	53B+61
Motor:	110KW -- 2982RPM

Note:

- The pump is self-vent.
- Valve type of pump drain is ball valve.

### REFERENCE DRAWINGS

MECH. SEAL SYSTEM DRAWING	VP-SP2021-ON-MA-107-P107-0013
MOTOR OUTLINE DRAWING	VP-SP2021-ON-MA-107-P107-0016
COUPLING DRAWING	VP-SP2021-ON-MA-107-P107-0008

Code1	(Approved) Vendor to submit "For Final" (No comment & release for manufacturing)
Code2	(Approved with comments) Vendor shall correct / revise & submit it as "For Final" (Released for manufacturing if change incorporated as indicated)
Code3	(Commented) : Vendor shall correct / revise & resubmit it as "For Approval" of the date specified : ( Corrected documents to be
Code4	Not Acceptable quality (Reject)
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	
OIEC-SP 20&21	DATE: 07/06/2014 DEPT: Machinery Signature: Salem
Only for internal review	
CV	PI EL IN ME MA
ST	BU PR SA HV TL

4	12.May.2014	FOR APPROVAL	DBP	Apple	Ryan	Tino
3	28.Dec.2013	FOR APPROVAL	DBP	Apple	Ryan	Tino
2	28.Oct.2013	FOR APPROVAL	DBP	Apple	Ryan	Tino
1	14.Aug.2013	FOR APPROVAL	DBP	Apple	Ryan	Tino
0	23.MAY.2013	FOR APPROVAL	DBP	Apple	Ryan	Tino
REV.	DATE	DESCRIPTION	ORIG.	PREP.	CH'D.	APP'D.

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



PROJECT No.: POGC-572-88-35 DOC.CLASS: SCALE :



107-P-107 A/B 107-P-207 A/B

PROPANE FEED PUMPS

GENERAL ARRANGEMENT DRAWING

DRAWING No.	VP-SP2021-ON-MA-107-P107-0001	SHEET No.	1 OF 1	REV.	4
-------------	-------------------------------	-----------	--------	------	---