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PUMP INFORMATION

PUMP INFORMATION	
Item No.:	103-P-109/208
Unit:	103
Service:	CONDENSATE RECYCLE PUMPS
Model:	APILO-MWG 160-120X5
Seal Plan:	11-55A+61
Motor:	35KW-298RPM

REFERENCE DRAWINGS	DWG. NO.
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MECH. SEAL SYSTEM DRAWING	WP-SP2021-ON-MA-103-P108-0013
MOTOR OUTLINE DRAWING	WP-SP2021-ON-MA-103-P108-0016
COUPLING DRAWING	WP-SP2021-ON-MA-103-P108-0008

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Code1	 (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" (Released for manufacturing if change indicated as indicated)

<input type="checkbox"/>	(Commented) : Vendor shall correct / revise & resubmit. It as " For Approval" of the date specified. (: Corrected documents to be
<input type="checkbox"/>	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 : 26/02/2014
 DEPT: Machinery
 Signature : Salem

Only for internal review					
CV	PI	EL	IN	ME	MA
ST	BU	PR	SA	HV	TL

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

No.:	POGC-572-88-35	DOC.CLASS:	SCALE
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 **DEEP BLUE**
PUMP CO.

 OIEC

103-P-108 103-P-208
CONDENSATE RECYCLE PUMPS
GENERAL ARRANGEMENT DRAWING

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Code	Use & timing	Description	Remarks
N1	6' -AMS 600b-RF	Pump Stop	
N2	4' -AMS 600b-RF	Pump Discharge	
N3	3/4' -AMS 600b-RF	Pump Down	<i>Range not available here</i>
N4	6"	Obstacle Down	
N5	3/4' -AMS 150b-RF	Long Run to Pretest	Brld Range
N6	3/4' -AMS 150b-RF	Long Run to Pretest	Brld Range
N7	3/4' -AMS 600b-RF	Don't Connect	Range with more
N8	3/4' -AMS 600b-RF	Pretest Down	<i>Range not available here</i>
N9	1/2' Quick Filings	Pretest Filings	<i>Range not available here</i>
N10	3/4' -AMS 600b-RF	Pretest Down	<i>Range not available here</i>
N11	3/4' -AMS 600b-RF	Pretest Vari	<i>Range not available here</i>

Pipeline Description

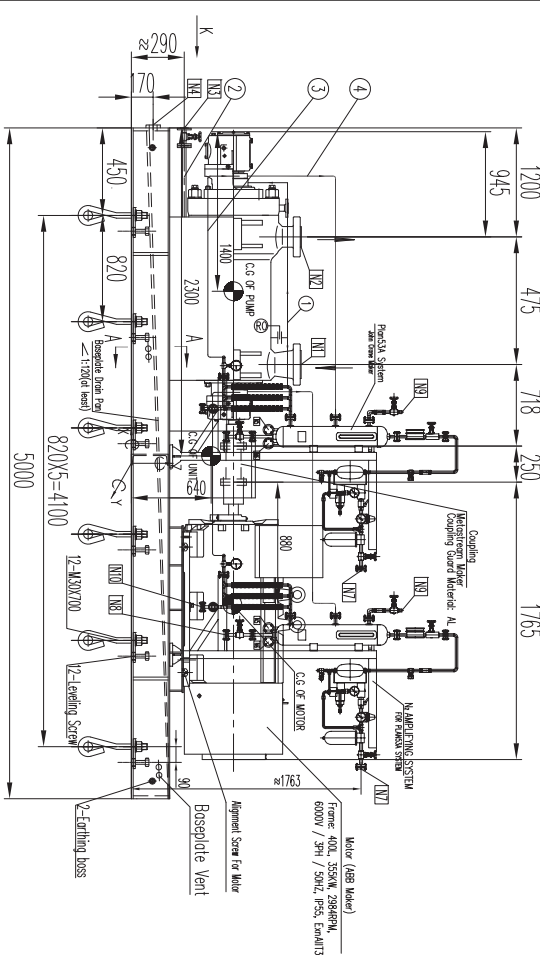
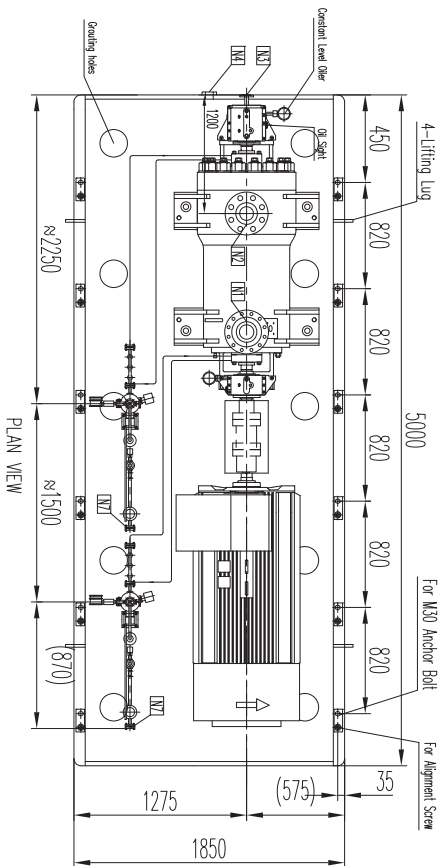
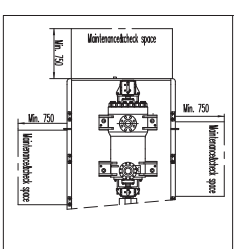
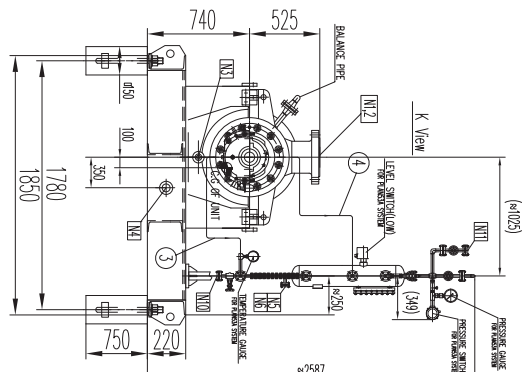
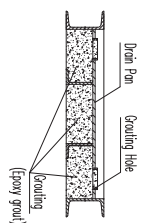
Pipeline Description	
①	Plant1 Flushing Pipeline
②	Pump Drain
③	Plant53A Flushing Pipeline (to seed chamber)
④	Plant53A Flushing Pipeline (from seed chamber)

WEIGHT TABLE

WEIGHT TABLE		
PUMP	:	3185 KG
MOTOR	:	2600 KG
SEAL SYSTEM	:	200 KG
BASE PLATE	:	1670 KG
OTHERS	:	30 KG
TOTAL WEIGHT	:	7685 KG
ROTOR WEIGHT	:	210 KG

Maximum Allowable Amplitude For Foundation	
Velocity/PEAK	: 4 mm/s

Maximum Allowable Amplitude For Foundation	
Velocity(Peak)	: 4 mm/s
Displacement	: 25.4 μ m



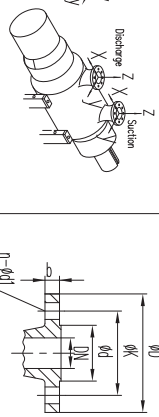
Center of Gravity List		
PUMP	X	845
	Y	0
Z	740	
	X	-1080
MOTOR	Y	0
	Z	740
UNIT	X	200
	Y	100
	Z	640

Rotation: clockwise viewed from the drive-end	
Static loading calculation results	Dynamic loading calculation results
FStatic=±	FDynamic=±
7820 N	0 N
FStatic=±	FDynamic=±
6420 N	324 N
FStatic=±	FDynamic=±
88309/-68749 N	324 N
MStatic=±	MDynamic=±
15381 Nmm	1260/-780 Nmm
MStatic=±	MDynamic=±
28305/-18439 Nmm	373 Nmm
MStatic=±	MDynamic=±
11919 Nmm	373 Nmm

REV.	DATE	DESCRIPTION	ONIC	PREP.	CH'D.	APP'D.	Computer APP'D
5	07/Feb/2014	FOR APPROVAL	DBP	Apple	Ryan	Tino	
4	06/Jun/2014	FOR APPROVAL	DBP	Apple	Ryan	Tino	
3	03/Jun/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	

[illegible]

Rotation: clockwise viewed from the drive end									
Static loading calculation results					Dynamic loading calculation results				
N3	FxStatic=±	7820	N	FxDynamic=±	0	N			
N2	FyStatic=±	6420	N	FyDynamic=±	324	N			
N1	FzStatic=±	88309/-68749	N	FzDynamic=±	324	N			
M3	MxStatic=±	15381	N/m	MxDynamic=±	1260/-780	N/m			
M2	MyStatic=±	28305/-18439	N/m	MyDynamic=±	373	N/m			
M1	MzStatic=±	11919	N/m	MzDynamic=±	373	N/m			



Nozzle Allowable Force & Moment

Flange Size