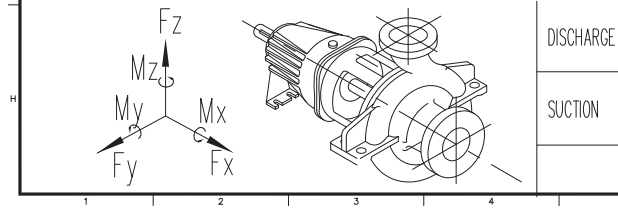
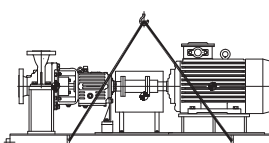


<p>6</p>	$D \leq 200$	X	≤ 0.05	<p>$\varnothing D$ $\varnothing K$ $\varnothing d$ DN $n-\varnothing d1$</p>
		Y	≤ 0.05	
		Z	$Z \pm 0.1$	
	$200 < D \leq 300$	X	≤ 0.08	
		Y	≤ 0.08	
		Z	$Z \pm 0.15$	
	$300 < D \leq 400$	X	≤ 0.10	
		Y	≤ 0.10	
		Z	$Z \pm 0.2$	
	MAX. ALLOWABLE MISALIGNMENT(mm)			



		Center of Gravity List		
		PUMP	X	582
			Y	0
			Z	510
MOTOR	X	-611		
	Y	0		
	Z	510		
UNIT	X	-16		
	Y	0		
	Z	343		

DISCHARGE	2"	±1420	±1160	±1780	±920	±460	±700
	Inch	F _x	F _y	F _z	M _x	M _y	M _z
SUCTION	4"	±3560	±2840	±2320	±2660	±1360	±2000
	Inch	F _x	F _y	F _z	M _x	M _y	M _z

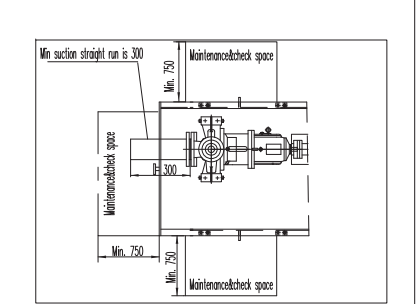
Nozzle Allowable Force & Moment

PROCESS CONNECTIONS			
Code	Size & Rating	Description	Remark
N1	4"-ANSI 300lb-RF	Suction	
N2	2"-ANSI 300lb-RF	Discharge	
N3	3/4"-ANSI 300lb-RF	Pump Drain	Flange With valve & blind flange
N4	G2"	Baseplate Drain	

Pipeline Description	
①	Plan 11 Flushing Pipe
②	Pump Drain Pipe

WEIGHT TABLE	
PUMP	: 342 KG
MOTOR	: 365 KG
SEAL SYSTEM	: - KG
BASEPLATE	: 500 KG
OTHERS	: 24 KG
TOTAL WEIGHT	: 1231 KG

Maximum Allowable Amplitude For Foundation	
Velocity(PEAK)	: 4 mm/s
Displacement	: 25.4 μm



Rotation: clockwise viewed from the drive-end			
Static loading calculation results			
FXStatic=±	4980	N	
FYStatic=±	4000	N	
FZStatic=±	-8035/16235	N	
MXStatic=±	5991	N*m	
MYStatic=±	9153/6699	N*m	
MZStatic=±	5837	N*m	
Dynamic loading calculation results			
FXdynamic=±	0	N	
FYdynamic=±	63	N	
FZdynamic=±	63	N	
MXdynamic=±	177/-113	N*m	
MYdynamic=±	41	N*m	
MZdynamic=±	41	N*m	

N3	Drain	ANSI B16.5 300# RF	3/4"	117.3	15.7	82.5	42.9	4-ø18
N2	Discharge	ANSI B16.5 300# RF	2"	165	22.3	127	92	8-ø18
N1	Suction	ANSI B16.5 300# RF	4"	254	31.7	200.1	157.2	8-ø22
Name		Standard	DN	øD	b	øK	ød	n-ød1

Flange Size

GENERAL NOTES	
PUMP INFORMATION	
Item No.:	128-P-101 A/B
Unit:	128
Service:	POTABLE AND SERVICE WATER PUMPS
Model:	APIFLO-P 50K3-315A
Seal Plan:	11+61
Motor:	55KW - 2975RPM

NOTE: 1. Valve for pump drain is ball valve.

NOTE2. The pump is self vent

REFERENCE DRAWINGS		DWG NO.
MOTOR OUTLINE DRAWING		VP-SP2021-ON-MA-128-P101-0014
COUPLING DRAWING		VP-SP2021-ON-MA-128-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" (Released for manufacturing if change incorporated as indicated)
Code3	<input type="checkbox"/> (Commented) : Vendor shall correct / revise & resubmit . It as " For Approval" of the date specified : (Corrected documents to be
Code4	<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 : 01/12/2013
	DEPT: Machinery
	Signature : Salem

CV	PI	EL	IN	ME	MA
ST	BU	PR	SA	HV	TL

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.	Contractor APP'D

SOUTH PARS GAS FIELD DEVELOPMENT- PHASES 20 & 21, ASSALUYEH-IRAN ONSHORE FACILITIES				 NIOC PARS OIL AND GAS COMPANY			
PROJECT No.:			POGC-572-88-35	DOC.CLASS:		SCALE :	

									
128-P-101 A/B POTABLE AND SERVICE WATER PUMPS GENERAL ARRANGEMENT DRAWING									
DRAWING No.		VP-SP2021-ON-MA-128-P101-0001		SHEET No.		1 OF 1		REV. 2	
13		14		15		16			