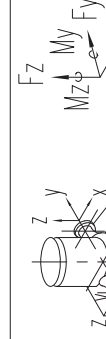


WEIGHT TABLE	
FLUID END	: 110 KG
GEAR BOX	: 40 KG
MOTOR SUPPORT	: 25 KG
MOTOR	: 475 KG
SEAL SYSTEM	: NA KG
COMMON BASEPLATE	: 300 KG
AUX. LUBE. OIL PUMP	: 80 KG
OTHERS	: 80 KG
TOTAL WEIGHT	: 1060 KG

1	Seal Drain/Gearbox Oil (Always Open)
2	Seal Drain/Side Seal
3	Buffer Oil (Double/Tandem Seal)
4	Seal Flush
5	Seal Flush
6	Seal Drain/Side Seal
7	Buffer Oil (Double/Tandem Seal)



A		Nozzle Allowable Force & Moment					
		Force (N)			Moment (N·m)		
		F <sub>x</sub>	F <sub>y</sub>	F <sub>z</sub>	M <sub>x</sub>	M <sub>y</sub>	M <sub>z</sub>
DISCHARGE 2"	±1420	±1780	±1160	±920	±460	±700	±1440
SUCTION 3"	±7140	±2660	±1780	±1900	±940	±1440	±1440
FLANGE							

\* The values in above table are force times as given in the Table 4 of API 610, 10th editions.

\* The values in above table are twice time as given in the Table 4 of API 610, 10th edition.

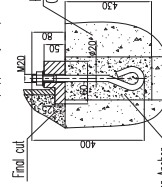
Maximum Allowable Amplitude for Foundation:	
Velocity (PEAK) :	4 mm/s
Displacement :	3.1 mm
WEIGHT OF HIGH SPEED ROTOR :	6.5 KG
SPEED OF HIGH SPEED ROTOR :	12221 RPM
WEIGHT OF MOTOR ROTOR :	78 KG
SPEED OF MOTOR ROTOR :	2970 RPM

PROCESS CONNECTIONS	Code	Size & Rating
	F1	3" -ANSI 600lb-RF
	F2	2" -ANSI 600lb-RF
	F3	3/4" -ANSI 600lb-F-F
	F4	3/4" -ANSI 600lb-F-F
	F5	1" -ANSI 150lb-RF
	F6	1" -ANSI 150lb-RF
	F7	1/2" -ANSI 150lb-R-R
	F8	1/2" -ANSI 150lb-R-R

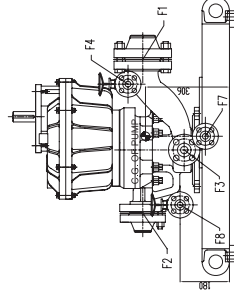
COOLING WATER SUPPLIED		
Item	113-P-117	113-P-217
Pressure (barg)	9.04 ~ 9.74	7.64 ~ 8.64

COOLING WATER FOR PUMP UNIT			
Cooling	Consumption	Return Pressure	Temp. Inlet/Outlet
Lube oil	0.8 m <sup>3</sup> /h	> 5 barg	30 / 40 °C

### ANCHOR BOLT DETAIL



M VIEW



Item	Location	Remark
		Flange with valve
		Flange with valve
	Dr Inlet	Flange with valve
	Dr Outlet	Flange with valve
	Drain	Blind flange with valve

113-P-217
7.64 ~ 8.64

Temp. Inlet/Outlet	30 / 40 °C
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GENERAL NOTES	
PUMP INFORMATION	
Item No.:	113-P-117 & 113-P-217
Unit:	113
Service:	PROPANE SETTLER WATER MAKE UP PUMP
Model:	EGS-12-16/275
Seal Plan:	11H61
Motor:	55kW - 2p

1. The location of Junction Box 'A' will be finalized after pipe line work finished.
2. The main electric motor is CCW viewing from the coupling end.
3. Cables and Cable Connections:

	Cable Gland Thread	Cable Cores (mm <sup>2</sup> )
Main Motor	2 x M50	3 x 95
Main Motor Space Heater	NA	NA
Aux. Motor (Lube Oil)	1 x M25	3 x 4
Aux. Motor (Oil Cooler)	NA	NA

REFERENCE DRAWINGS	DWG NO.
MOTOR OUTLINE DRAWING	VP-SF2021-ON-MA-113-P117-0186
COUPLING DRAWING	VP-SF2021-ON-MA-113-P117-0065
JOINTION BOX DRAWING	VP-SF2021-ON-MA-113-P117-0204
PUMP P&ID DRAWING	VP-SF2021-ON-MA-113-P117-0038

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"/>	(Comments) Vendor shall correct / revise & resubmit (If comments are not accepted, date specified : ( Corrected documents to be submitted )
Code4	<input type="checkbox"/>	Not Acceptable quality (Reject) The above checking result by QEC shall in no way relieve the Vendor of its responsibility to ensure that all of the purchased parts and the material presented in selling.


 OIEC-SP 20&21  
 DATE : 13.07.2013  
 DEPT: Machinery  
 Signature : M.S

Only for internal review	CV	PI	EL
	ST	BU	PR

5	1. Jul. 2013	FOR APPROVAL	DBP	Tino	Ryan	
4	21. May. 2013	FOR APPROVAL	DBP	Tino	Ryan	
REV.	DATE	DESCRIPTION	ORIG.	PREP.	CH'D	Contractor APP'D

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

PROJECT No.: POGC-572-88-35	DOC. CLASS:	SCALE :
 <b>DEEP BLUE</b> PUMP CO.		
 <b>QIBC</b>		

<p align="center"><b>113-P-117 &amp; 113-P-217</b>  <b>PROPANE SETTLER WATER MAKE UP PUMP</b>  <b>GENERAL ARRANGEMENT DRAWING</b></p>			
DRAWING No.	YP-SR2021-0N-MA-113-P117-0010	SHEET No.	1 OF 1
			REV. 5