


PROCESS CONNECTIONS			
Code	Size & Rating	Description	Remark
N1	4"-ANSI 300lb-RF	Pump Suction	
N2	3"-ANSI 300lb-RF	Pump Discharge	
N3	3/4"-ANSI 300lb-RF	Pump Drain	Flange With valve
N4	1"-ANSI 150lb-RF	Baseplate Drain	With blind flange
N5	3/4"-ANSI 300lb-RF	N2 connection	Flange With valve

Pipeline Instruction	
①	Pipe for barrier fluid from seal
②	Pipe for barrier fluid to seal
③	Pump Drain



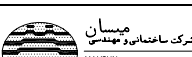


Note:
1. Pump is self-vent.

REFERENCE DOCUMENTS	
DOCUMENT NO.	TITLE
VD-AOGC-DR-GEN-5001-0044	Mechanical seal system drawing for PRODUCED WATER PUMP

Code1	<input 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 EIED shall in no way relieve Vendor of any liability, obligation and responsibility out of the purchase order and the mutual agreement in writing	

 EIED WEST KAROON PROJECT	DATE :				
	DEPT:				
	Signature :				
Only for internal review					
CV	PI	EL	IN	ME	MA
CS	CA	PR	SA	HV	TL

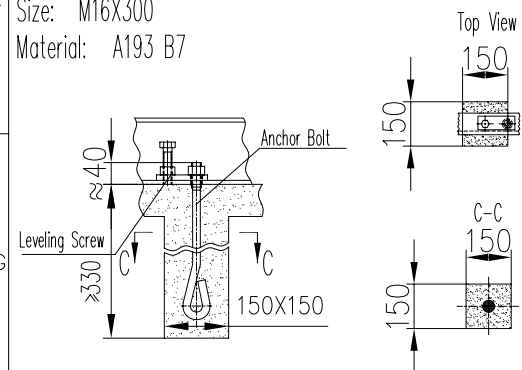
03	29-Dec-2012	FOR APPROVAL		Will	Andy	Ryan	
02	06-Nov-2012	FOR APPROVAL		Will	Andy	Ryan	
01	11-Oct-2012	FOR APPROVAL		Will	Andy	Ryan	
REV.	DATE	DESCRIPTION	ORIG. BY	PREP. BY	CHKD. BY	APPD. BY	AUTH. BY

West Karoon Oil Fields Early Production Units (Arvandana)			 AOGC ARVANDAN OIL AND GAS COMPANY	
P.O. No.:		STAGE:	SCALE:	
				 EIED
		 Energy Development Pioneer Co ترک پیترو توسعه انرژی		

DRAWING TITLE:		
General drawing for PRODUCED WATER PUMP (0200-PA-001/2/3 A/B (Train 1/2/3))		

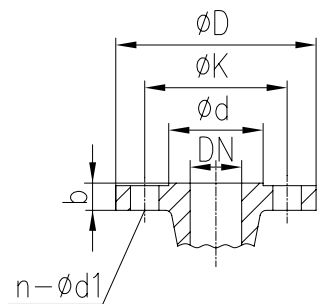
DRAWING No.:	VD-AOGC-GA-GEN-5001-0002	SHEET No.	1 OF 1	REV.	03
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Anchor Bolt
Manufacture: Deep Blue Pump Co.
Size: M16X300
Material: A193 B7



Rotary Parts:
Pump rotary parts:
Mass: 18.3 kg, Speed: 2950 rpm
Motor rotary parts:
Mass: 45 kg, Speed: 2950 rpm

Maximum Allowable Amplitude For Foundation:
Velocity Peak-Peak: 4 mm/s
Displacement Peak-Peak: 25.4 μm

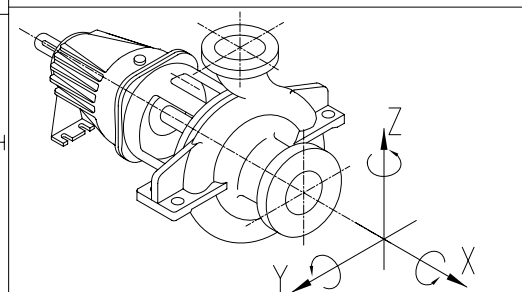


184	260	174	80	698	94
Pump	Baseplate	Motor	Seal System	All	Maintenance weight

Weight(kg)						
Drain	ANSI B16.5 300lb RF	3/4"	117.3	15.7	82.5	4-Ø18
Discharge	ANSI B16.5 300lb RF	3"	209.5	28.4	168.1	8-Ø22
Suction	ANSI B16.5 300lb RF	4"	254	31.7	200.1	8-Ø22
Name	Standard	DN	ØD	b	ØK	Ød

Flange Size		
Consumer: NIOC	Capa.: 60 m ³ /h	DRIVER
Designer:	Head: 28 m	Motor Type: EXD IIB T4
Project: WEST KAROON OIL FIELDS EARLY PRODUCTION UNIT Arvandana Refinery Plant	Temp.: 15/AMB/63 °C	VOLTS/PHASE/HERTZ: 400V/3PH/50HZ
Plant: 0200-PA-001/2/3 A/B (Train 1/2/3)	Speed: 2930 r/min	MECH.SEAL
Item No.: 0200-PA-001/2/3 A/B (Train 1/2/3)	Power: 15 kW	API flushing plan: 53A(Air fin cooler)
Service: PRODUCED WATER PUMP	Motor Type: YB3 160	
Project Information		Base Information

	APIFLO-P 80K2-160	General Arrangement
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DISCHARGE	3"	±2140	±1780	±2660	±1900	±940	±1440
	DN	Fx	Fy	Fz	Mx	My	Mz
SUCTION	4"	±3560	±2840	±2320	±2660	±1360	±2000
	DN	Fx	Fy	Fz	Mx	My	Mz

Nozzle Allowable Force & Moment