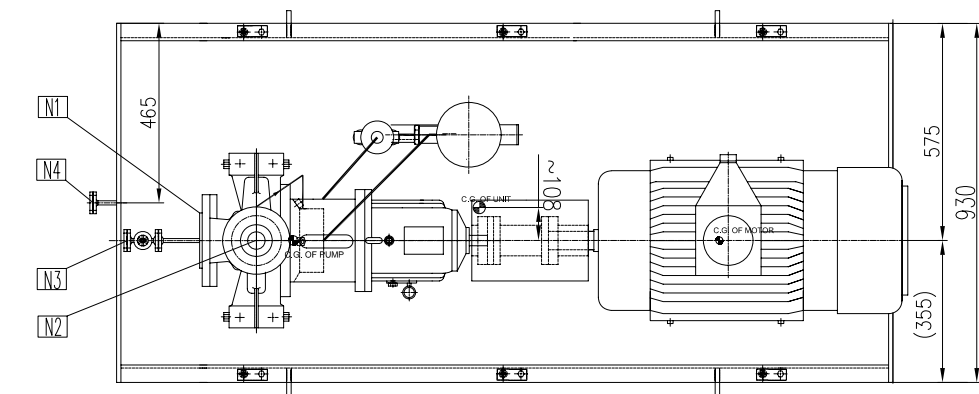
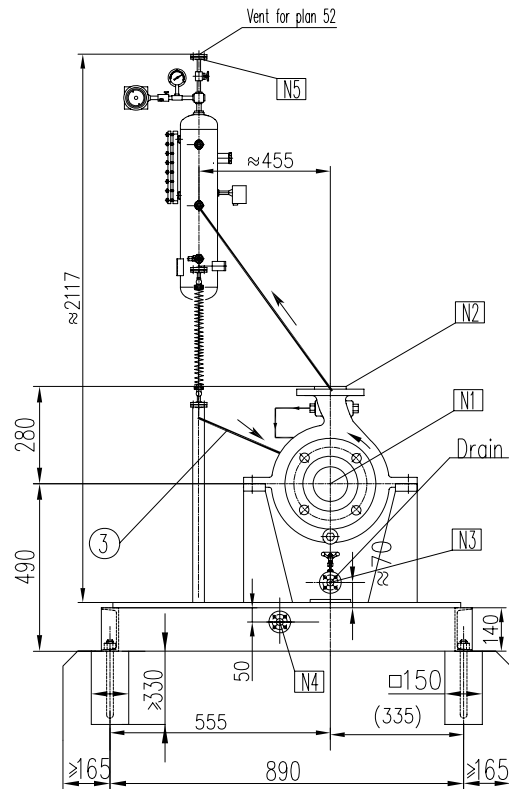
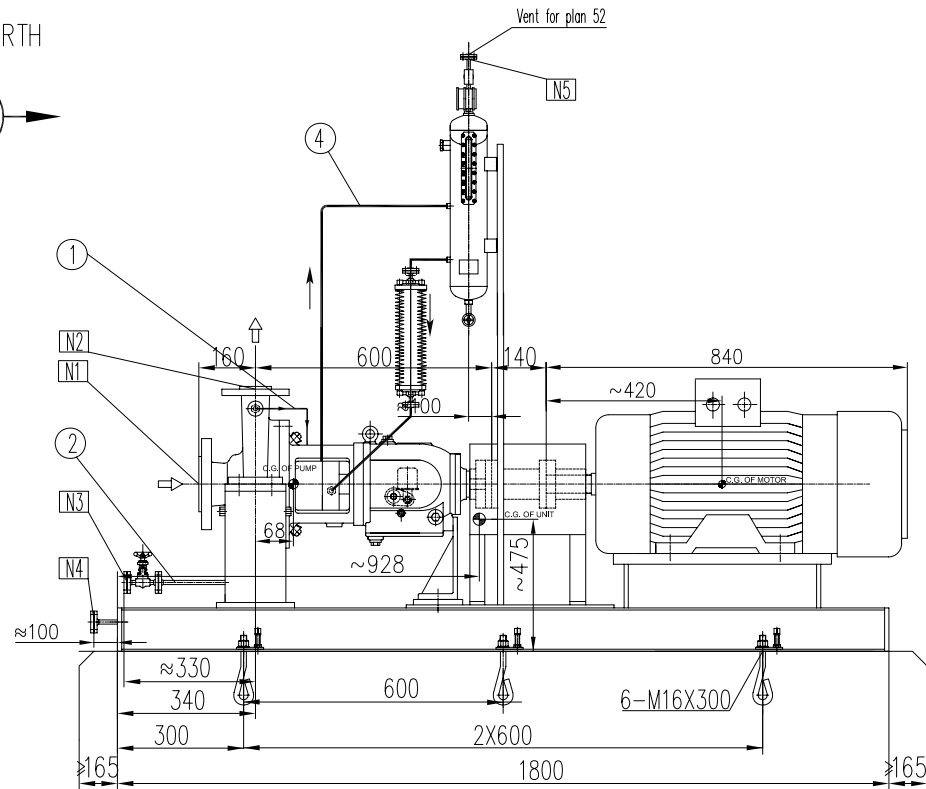
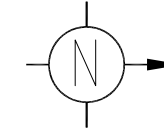
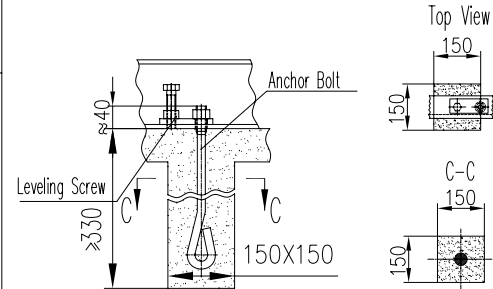


PLANT NORTH

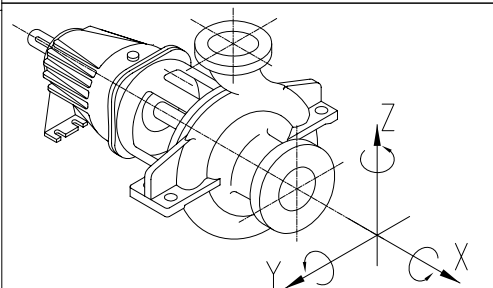
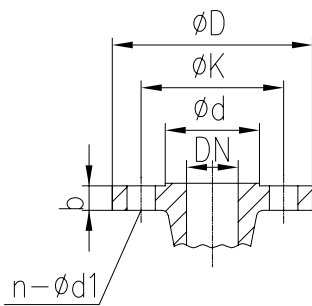


Anchor Bolt  
Manufacture: Deep Blue Pump Co.  
Size: M16X300  
Material: A193 B7



Rotary Parts:  
Pump rotary parts:  
Mass: 42.7 kg, Speed: 2950 rpm  
Motor rotary parts:  
Mass: 28.5 kg, Speed: 2950 rpm

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



DISCHARGE	1 1/2"	±1420	±1160	±1780	±920	±460	±700
		Fx	Fy	Fz	Mx	My	Mz
SUCTION	3"	±2660	±2140	±4100	±4600	±2360	±3520
		Fx	Fy	Fz	Mx	My	Mz

Nozzle Allowable Force & Moment

183	395	333	80	991	126
Pump	Baseplate	Motor	Seal System	All	Maintenance weight

Weight(kg)

Drain	ANSI B16.5 300lb RF	3/4"	117.3	15.7	82.5	42.9	4-ø18
Discharge	ANSI B16.5 300lb RF	1 1/2"	155.4	20.5	114.3	73	4-ø22
Suction	ANSI B16.5 300lb RF	3"	209.5	28.4	168.1	127	8-ø22
Name	Standard	DN	øD	b	øK	ød	n-ød1

Flange Size

Consumer: NIOC	Capa.: 25 m <sup>3</sup> /h	DRIVER
Designer:	Head: 88.7 m	Motor Type: EXD IIB T4
Project: WEST KAROON OIL FIELDS EARLY PRODUCTION UNIT Arvandan Refinery Plant	Temp.: 10/71 °C	VOLTS/PHASE/HERTZ: 400V/3PH/50HZ
Plant:	Speed: 2950 r/min	MECH.SEAL
Item No.: 0230-PA-002A/B	Power: 30 kW	API flushing plan: 11+52(air cooler)+61
Service: LP FLARE K.O. DRUM PUMPS	Motor Type: 200L	


Project Information	Base Information
DEEP BLUE PUMP CO.	APIFLO-P 40K2-315
General Arrangement	

PROCESS CONNECTIONS			
Code	Size & Rating	Description	Remark
N1	3"-ANSI 300lb-RF	Pump Suction	
N2	1 1/2"-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	Plan 52 Vent to flare	Flange With valve






Pipeline Instruction	
①	Plan11 Flushing Pipeline
②	Pump Drain
③	Pipe for barrier fluid to seal
④	Pipe for barrier fluid from seal

Note:  
1. Pump is self-vent.  
2. Plan 52 seal system vent to be connected to LP flare with back pressure of 0.3 barg.

REFERENCE DOCUMENTS	
DOCUMENT NO.	TITLE
VD-AOGC-DR-GEN-5001-0049	Mechanical seal system drawing for LP FLARE K.O. DRUM PUMPS

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					
<div><div> EIED WEST KAROON PROJECT</div><div>DATE :  DEPT:  Signature :</div></div>					
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 (Arvandan)			 AOGC ARVANDAN OIL AND GAS COMPANY	
P.O. No.:		STAGE:	SCALE:	
		 میسون شرکت مهندسی و ساخت MAYSUN Engineering & Construction Company	 EIED	 Energy Development Pioneer Co. شرکت پیشرو توسعه انرژی
DRAWING TITLE:				
General drawing for LP FLARE K.O. DRUM PUMPS (0230-PA-002A/B)				
DRAWING No.:	VD-AOGC-GA-GEN-5001-0009	SHEET No.	1 OF 1	REV. 03