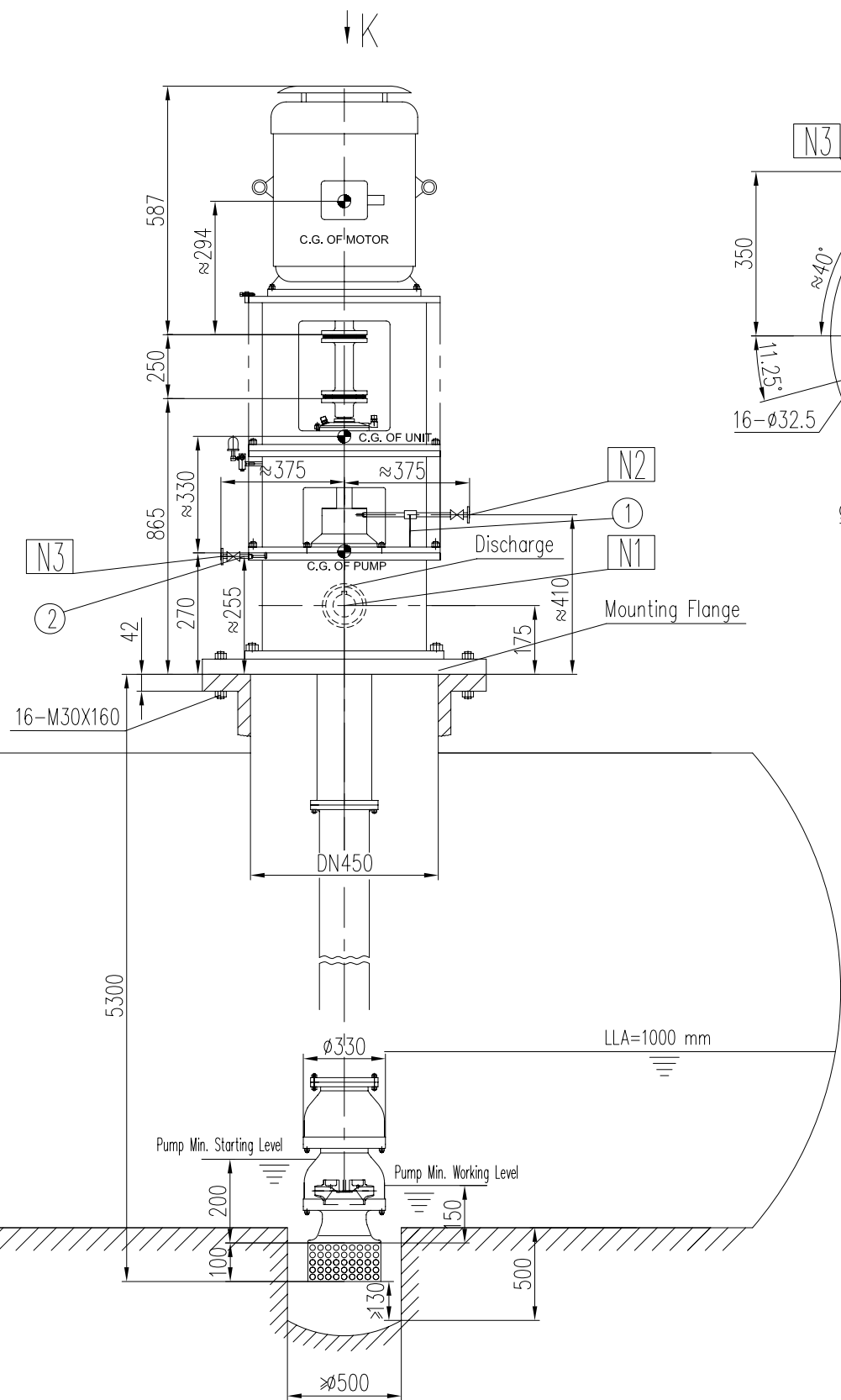
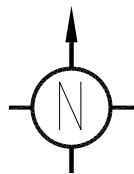
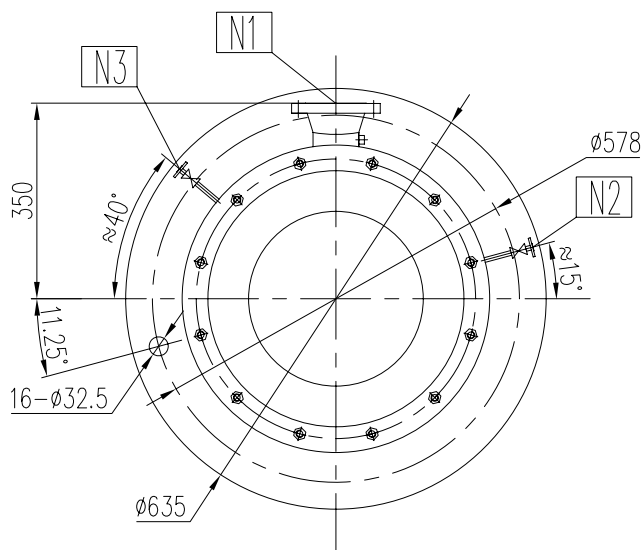


PLANT NORTH



K View
Mounting Flange ANSI B16.5 150lb RF DN450

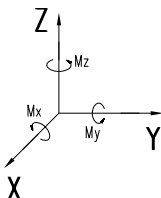
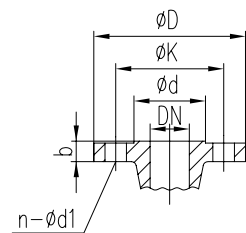


PROCESS CONNECTIONS			
Code	Size & Rating	Description	Remark
N1	1"-ANSI 150lb-RF	Pump Discharge	
N2	3/4"-ANSI 150lb-RF	Mechanical Seal Vent	Flange With valve
N3	3/4"-ANSI 150lb-RF	External casing drain	Flange With valve

Pipeline Instruction	
①	Plan14 Flushing Pipeline
②	External casing drain

- Note:
- For suction strainer:
-suction strainer pressure drop is 0.0015m.
-mesh size is 8mm.
-open area ratio of strainer is at least 200%
 - Mechanical seal is designed to bear short time dry running condition at start-up .

3. Maximum Allowable AmplitudeFor Foundation:
Velocity Peak-Peak: 4 mm/s
Displacement Peak-Peak: 25.4 μm



Discharge	ANSI B16.5 150lb RF	1 "	108	14.2	79.2	50.8	4-Ø16
Name	Standard	DN	ØD	b	ØK	Ød	n-Ød1

Flange Size(mm)

Discharge	1 "	±1420	±1780	±1160	±920	±460	±700
		F _x	F _y	F _z	M _x	M _y	M _z
	DN	Force (N)			Moment (Nm)		

Nozzle Allowable Force & Moment

Pump:	650	Baseplate:	65	Motor:	112	Total:	827	Max. maintenance:	650
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Weight(kg)

Consumer:	NIOC	Capa.:	5	m ³ /h	DRIVER
Designer:		Head:	29+5.12	m	Motor Type: EXD IIB T4
Project:	WEST KAROON OIL FIELDS EARLY PRODUCTION UNIT	Temp.:	40	°C	VOLTS/PHASE/HERTZ:
Plant:		Speed:	2900	r/min	400V/3PH/50HZ
Item No.:	0540-PH-001 A/B	Power:	7.5	kW	MECH.SEAL
Service:	RECOVERED OIL TRANSFER PUMPS	Motor Type:	YB3 132S		API flushing plan:
Project Information		Base Information		14+61	



APIFLO-V 8.5-25-V

General Arrangement

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

04	29-Dec-2012	FOR APPROVAL		Will	Andy	Ryan	
03	24-Dec-2012	FOR APPROVAL		Will	Andy	Ryan	
02	20-Nov-2012	FOR APPROVAL		Will	Andy	Ryan	
01	30-Oct-2012	FOR APPROVAL		Will	Andy	Ryan	
00	5-Sep-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)



ARVANDAN OIL AND GAS COMPANY

P.O. No.:	STAGE:	SCALE:
		

DRAWING TITLE:
General drawing for RECOVERED OIL TRANSFER PUMPS
(0540-PH-001 A/B)

DRAWING No.:	VD-AOGC-GA-GEN-5001-0013	SHEET No.	1 OF 1	REV.	04
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1. Rotary Parts:

Pump rotary parts:
Mass: 90 kg, Speed: 2900 rpm

Motor rotary parts:
Mass: 26 kg, Speed: 2900 rpm

2. Double End Stud(full threaded)

Size: M30 X 160
Manufacture: Deep Blue Pump Co.
Material: ASTM A193 B7

