
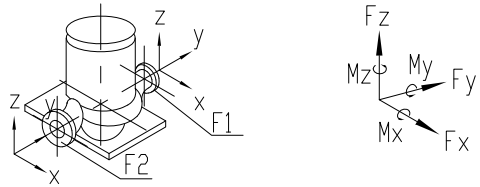


REFERENCE DRAWING	DWG. NO.
MECH. SEAL SYSTEM DRAWING	NGL-V-0005-ME-DW-2005
MOTOR OUTLINE DRAWING	NGL-V-0005-ME-DW-2007
COUPLING DRAWING	NGL-V-0005-ME-DW-2006
PUMP DATA SHEET	NGL-V-0005-ME-DT-2021
PUMP CROSS SECTION DRAWING	NGL-V-0005-ME-DW-2003
PUMP P&ID	NGL-V-0005-ME-PD-2030

PUMP INFORMATION	
Item No.:	P-3170-03
Service:	C2+ Off-Spec Return Pump
Model:	EGS L4-46/1052
Seal Plan:	13+52
Flow/Head:	31.2+15m3/h & 1052m
Motor:	160KW - 2P
Rotation:	Anti-clockwise viewed from the drive-end
No of Stages:	1
Speed:	19386 rpm

Code1	<input type="checkbox"/> (Approved): No comment and release for Manufacturing (Document to be stamped as Final for considering in Vendor Data Book)
	<input type="checkbox"/> (Approved with Comments): VENDOR/Sub-Contractor shall correct/revise document and issue it as "FOR APPROVAL" (Work May Be Proceeded)
	<input type="checkbox"/> (Commented): VENDOR/Sub-Contractor shall correct /revise and resubmit it as "FOR APPROVAL" of the date documents specified (Corrected to be resubmitted before starting to manufacture.
Code2	<input type="checkbox"/> (Commented): VENDOR/Sub-Contractor shall correct /revise and resubmit it as "FOR APPROVAL" of the date documents specified (Corrected to be resubmitted before starting to manufacture.
Code3	<input type="checkbox"/> (Commented): VENDOR/Sub-Contractor shall correct /revise and resubmit it as "FOR APPROVAL" of the date documents specified (Corrected to be resubmitted before starting to manufacture.
No Code	<input type="checkbox"/> CONSULTANT and PURCHASER check results on Class 2 documents will be returned without any CODE. VENDOR/Sub-Contractor shall correct/revise document and issue it as "FOR INFORMATION"
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	
<div><div><div>OIEC ...building trust شرکت مهندسی و ساختمان مسکن هست</div></div><div>DATE : DEPT: Signature :</div></div>	

PROCESS CONNECTIONS(TIE IN POINT LIST))			
Code	Size & Rating	Description	Remark
F1	3"-ANSI 900Lb-RTJ	Suction	
F2	2"-ANSI 900Lb-RTJ	Discharge	
F3	3/4"-ANSI 900Lb-RTJ	Casing Drain	Flange with Valve (Support)
F4	3/4"-ANSI 900Lb-RTJ	Casing Vent	Flange with Valve (Support)
F5	1"-ANSI 150Lb-RF	Skid Drain	Flanged
F6	1/2"-ANSI 150Lb-RF	Oil Sump Drain	Flange with Valve
F7	1/2"-ANSI 150Lb-RF	Oil Cooler Drain	Flange with Valve
F8	1/2" Tube	Oil Cooler Vent	
F9	1/2"-ANSI 600Lb-RF	Plan52 Vent(To Flare)	Flange with Valve
F10	1/2"-ANSI 600Lb-RF	Plan52 Drain	Flange with Valve
F11	1/2"-Quick Fitting	Plan52 Filling	Quick Connection
F12	1/2"-ANSI 600Lb-RF	Plan52 Cooler Drain	Flange with Valve



DISCHARGE	2"	±1420	±1780	±1160	±920	±460	±700
SUCTION	3"	±2140	±2660	±1780	±1900	±940	±1440
FLANGE	SIZE	Force (N)			Moment (N*m)		

Nozzle Allowable Force & Moment

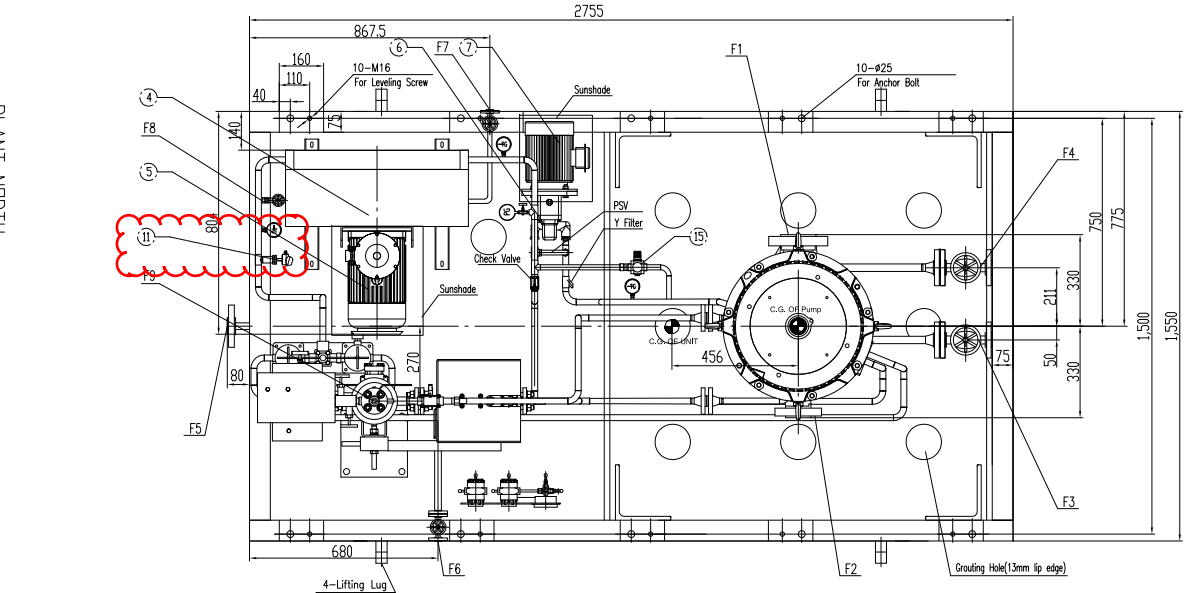


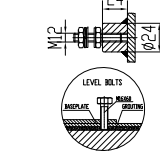
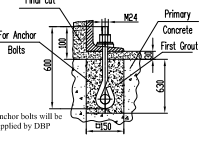
P.O. NO.: NGL-CT-1-0000-ME-PO-0005-D0

(15)	Pressure Control Valve	To stabilize Oil Pressure.
(14)	Coupling Guard	Coupling Guard Material: Brass(No sparking Material)
(13)	Junction Box	WAROM make.
(12)	Dual Oil Filter	
(11)	Temperature Transmitter	For Lube Oil
(10)	Pressure Transmitter	For Lube Oil
(9)	Pressure Gauge	For Lube Oil
(8)	Plan52 System	Sunny Seal make.
(7)	Aux. Lube Oil Motor	Nanyang, 0.75KW-4P, 400V / 3PH / 50HZ, IP55, ExdIBT4
(6)	Aux. Lube Oil Pump	
(5)	Cooler Fan Motor	Nanyang, 2.2KW-4P, 400V / 3PH / 50HZ, IP55, ExdIBT4
(4)	Lube Oil Heat Exchanger	Cooling Fan Type
(3)	Coupling (TRUMY Maker)	
(2)	Main Motor	Nanyang, 160KW-2P, 6000V / 3PH / 50HZ, IP55, ExdIBT4
(1)	High Speed Pump	Supplied By Deep Blue Pump Co.

CODE	NAME	DESCRIPTION
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MAIN EQUIPMENT LIST	
WEIGHT	SEAL HOUSING PORT IDENTIFICATION
Total	4450
Skid weight	1200
Aux. weight	400
Motor weight	2400
Pump weight	450



EARTHING BOSS&LEVEL BOLT	ANCHOR BOLT DETAILS
	

Static loading calculation results		Dynamic loading calculation results	
FXstatic=	3560/-3560 N	FXdynamic=	162/-162 N
FYstatic=	4440/-4440 N	FYdynamic=	162/-162 N
FZstatic=	-40699/-46579 N	FZdynamic=	0/0 N
MXstatic=	5500/-5500 N*m	MXdynamic=	108/-108 N*m
MYstatic=	21990/12921 N*m	MYdynamic=	108/-108 N*m
MZstatic=	5979/-5979 N*m	MZdynamic=	247/-48 N*m

Location of Loads & Moments Calculation is the geometric center of baseplate lower surface.