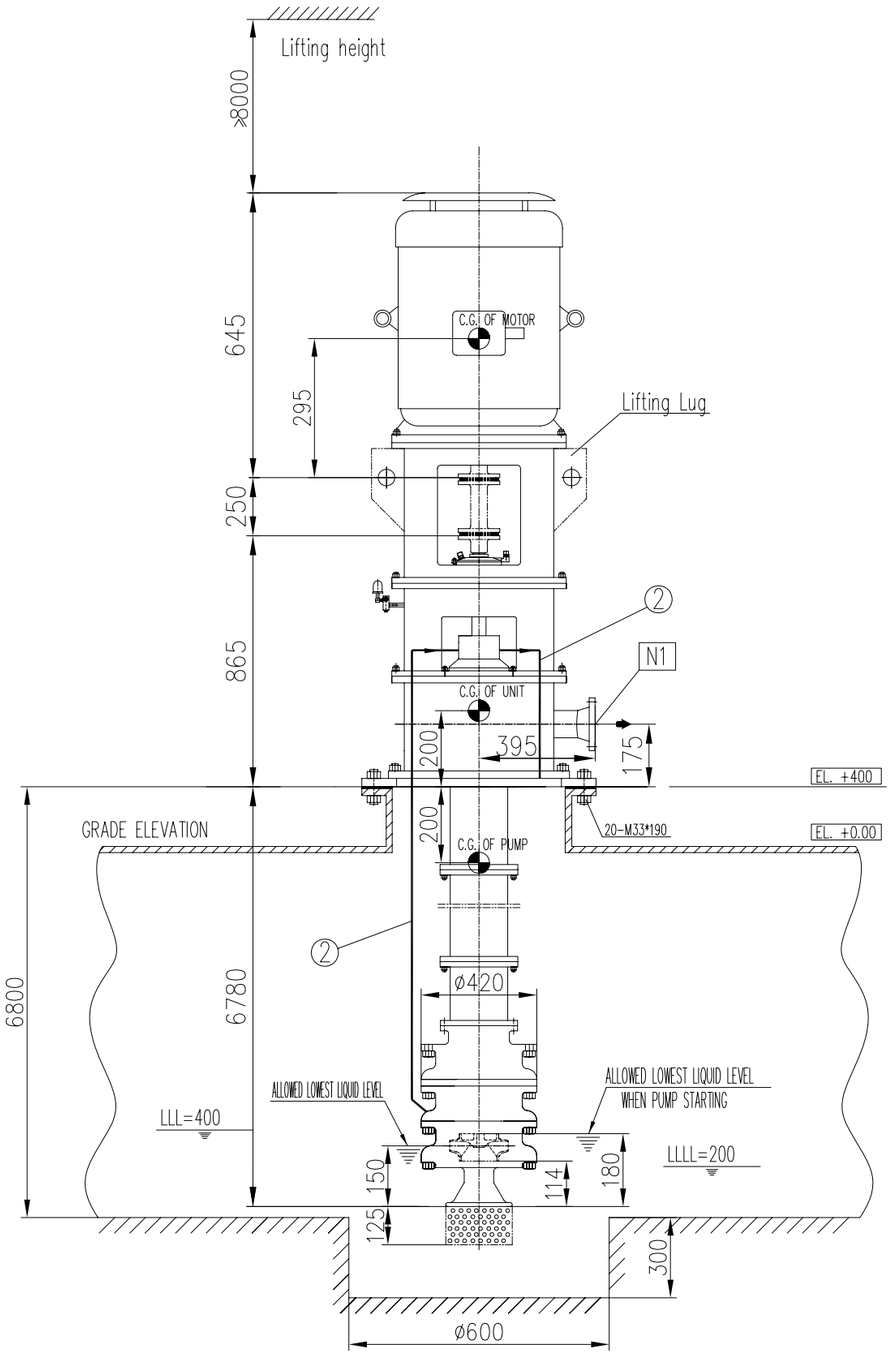
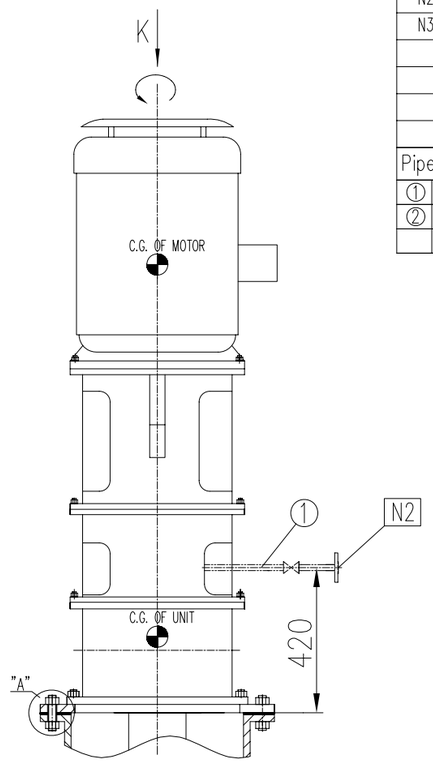
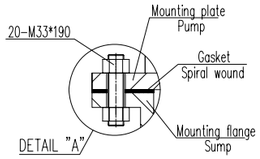
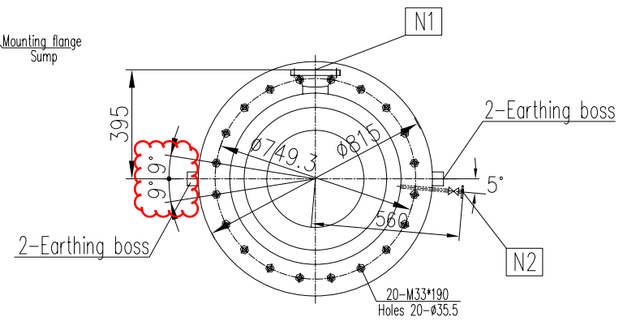






K View

Mounting plate DN600



N

Remark:

1. Moment of inertia: 0.12 kg.m2

PROCESS CONNECTIONS			
Code	Description	Size & Rating	Remark
N1	Pump Discharge Flange	1", ASME B16.5 300LB RF	
N2	Pump Vent Flange	3/4", ASME B16.5 300LB RF	Flange with ball valve
N3	Baseplate Flange	24", ASME B16.5 150LB RF	

Pipeline Description	
①	Seal Chamber Vent Pipeline
②	Plan14 Flushing pipeline

WEIGHT TABLE		
PUMP	870	KG
MOTOR	135	KG
SEAL SYSTEM	NA	KG
BASEPLATE	95	KG
OTHERS	NA	KG
TOTAL WEIGHT	1100	KG
ROTOR WEIGHT	180	KG
MAX. MAINTENANCE WEIGHT	263	KG

MINIMUM CLEARANCE FOR MAINTENACE AND DISMANTLING	(mm)
Wear Ring	0.5
Balance Drum / Balance Sleeve (Radial)	0.4
Shaft Bushing / Shaft Sleeve	0.2
Bearing / Cover	0.08~0.15

PUMP INFORMATION	
Item No:	05-420-P-1A/B
Service:	(POTENTIALLY OILY CONTAMINATED) SEWER PUMPS
Model:	LDB 8.5-25X3-A-V
Seal Plan:	14+61
Motor:	7.5KW-2955RPM

REFERENCE DRAWING	DWG NO.
Motor outline Drawing	BU-05-VD-303-EL-DRW-4201-088
Coupling Drawing	BU-05-VD-303-MA-DRW-4201-032
Pump Data Sheet	BU-05-VD-303-MA-DSH-4201-008

Note:

1. Rotation: Counterclockwise viewed from drive-end.
2. Vibration Level complies to API610 requirement, table 8 and table 9.

Code1	☑	(Approved) No comment and the document is released for Manufacturing
Code2	☐	(Approved with comments) Vendor shall correct, revise and resubmit the document. The document is released for manufacturing
Code3	☐	(Commented) : Vendor shall correct / revise & resubmit document
Code4	☐	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
BUSHEHR PROJECT

DATE 28 October 2015
DEPT MA
Sign M.F.
CODE 1

REV.	DATE	PURPOSE OF ISSUE	PREP. BY	CHKD. BY	APPD. BY	AUTH. BY
04	30/09/15	FOR APPROVAL	Will	Andy	Tino	AAP
03	26/08/15	FOR APPROVAL	Will	Andy	Tino	AAP
02	20/07/15	FOR APPROVAL	Will	Andy	Tino	AAP
01	12/06/15	FOR APPROVAL	Will	Andy	Tino	AAP
00	15/02/15	FOR APPROVAL	Will	Andy	Tino	AAP

Gas Sweetening, Sulphur Recovery, C2 Recovery, Fractionation and Inter Connection Pipeline Between Plants Project

BUSHEHR PETROCHEMICAL COMPANY

P.O No.: A315.753AME

SCALE:

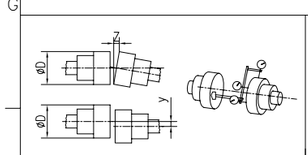
DEEP BLUE PUMP

EIED Energy Industries Engineering & Design Co.

DRAWING TITLE:

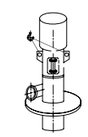
Pump Outline Drawing for (POTENTIALLY OILY CONTAMINATED) SEWER PUMPS
05-420-P-1A/B

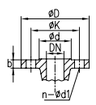
DRAWING No.: BU-05-VD-303-MA-DRW-4201-008 SHEET No. 1 OF 1



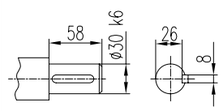
Outer Diameter Coupling (D)	Radial Displacement	Axial Tilt
D ≤ 200	< 0.05	< 0.2 / 1000
200 < D ≤ 300	< 0.08	< 0.3 / 1000
300 < D ≤ 400	< 0.1	< 0.4 / 1000
MAX. ALLOWABLE MISALIGNMENT(mm)		

LIFTING

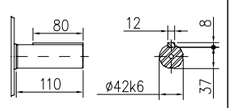


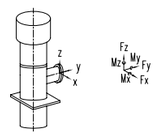


PUMP END



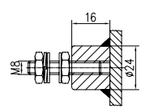
MOTOR END





Nozzle Allowable Force & Moment				
		Fx	Fy	Fz
		±1420	±1780	±1160
		Force (N)		
Discharge (Size:1")		Mx	My	M
		±920	±460	±700
		Moment(Nm)		

EARTHING BOSS



Static loading calculation results		
FXStatic=±	2840	N
FYStatic=±	3560	N
FZStatic=±	-18065/22705	N
MXStatic=±	4371	N*m
MYStatic=±	2013	N*m
MZStatic=±	2820	N*m

Dynamic loading calculation results		
FXdynamic=±	278	N
FYdynamic=±	278	N
FZdynamic=±	0	N
MXdynamic=±	106	N*m
MYdynamic=±	106	N*m
MZdynamic=±	24/-24	N*m