


PROCESS CONNECTIONS			
Code	Description	Size & Rating	Remark
N1	Pump Discharge Flange	2", ASME B16.5 150LB RF	
N2	Bushing Flushing Flange	1/2", ASME B16.5 150LB RF	
N3,N4	Packing flushing in/out	G 1/4"	

Pipeline Description	
①	External Flushing pipeline for bushing

PUMP INFORMATION	
Item No:	05-420-P-3A/S
Service:	SANITARY SEWER PUMPS
Model:	LYA 25-200
Seal Plan:	Packing
Motor:	5.5KW-2900RPM

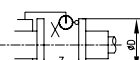

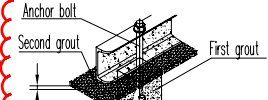
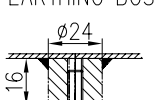

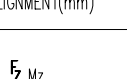
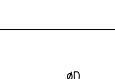
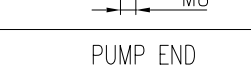
REFERENCE DRAWING	DWG NO.
Motor outline Drawing	BU-05-VD-303-EL-DRW-4203-129
Coupling Drawing	BU-05-VD-303-MA-DRW-4203-123
Pump data sheet	BU-05-VD-303-MA-DSH-4203-060



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

Code1	<input type="checkbox"/> (Approved) No comment and the document is released for Manufacturing
Code2	<input type="checkbox"/> (Approved with comments) Vendor shall correct, revise and resubmit the document The document is released for manufacturing
Code3	<input type="checkbox"/> (Commented) : Vendor shall correct / revise & resubmit document
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 BUSHEHR</div><div>DATE : DEPT:</div></div> <div>Code 1 2016.10.26</div>	

Static loading calculation results			Dynamic loading calculation results		
FXStatic=±	1420	N	FXdynamic=±	96	N
FYStatic=±	1160	N	FYdynamic=±	96	N
FZStatic=±	-4636/8196	N	FZdynamic=±	0	N
MXStatic=±	2296/499	N*m	MXdynamic=±	106	N*m
MYStatic=±	630	N*m	MYdynamic=±	106	N*m
MZStatic=±	970	N*m	MZdynamic=±	31/-4	N*m

WEIGHT TABLE	
PUMP	465 KG
MOTOR	79 KG
SEAL SYSTEM	0 KG
BASEPLATE	70 KG
OTHERS	20 KG
TOTAL WEIGHT	634 KG
ROTOR WEIGHT	62 KG
MAX. MAINTENANCE WEIGHT	42 KG

	<table><tr><td>D≤200</td><td>X ≤0.05</td></tr><tr><td></td><td>Y ≤0.05</td></tr><tr><td></td><td>Z ±0.1</td></tr><tr><td>200<D≤300</td><td>X ≤0.08</td></tr><tr><td></td><td>Y ≤0.08</td></tr><tr><td></td><td>Z ±0.15</td></tr><tr><td>300<D≤400</td><td>X ≤0.10</td></tr><tr><td></td><td>Y ≤0.10</td></tr><tr><td></td><td>Z ±0.2</td></tr></table>	D≤200	X ≤0.05		Y ≤0.05		Z ±0.1	200<D≤300	X ≤0.08		Y ≤0.08		Z ±0.15	300<D≤400	X ≤0.10		Y ≤0.10		Z ±0.2	<p>Lifting & COG</p> 	<p>Anchor Bolt M16x400</p> <p>Anchor bolts will be supplied by DBP</p> 	<p>EARTHING BOSS</p> 																		
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			<p>Nozzle Allowable Force & Moment</p>																																					

Gas Sweetening, Sulphur Recovery, C2 Recovery, Fractionation and Inter Connection Pipeline Between Plants Project		 BUSHEHR PETROCHEMICAL COMPANY
P.O No.: AI316.3612ME		SCALE:
DEEP BLUE PUMP	 Energy Industries Engineering & Design Co.	
DRAWING TITLE: Pump Outline Drawing for SANITARY SEWER PUMPS 05-420-P-3A/S		
DRAWING No.: BU-05-VD-303-MA-DRW-4203-119		SHEET No. 1 OF 1