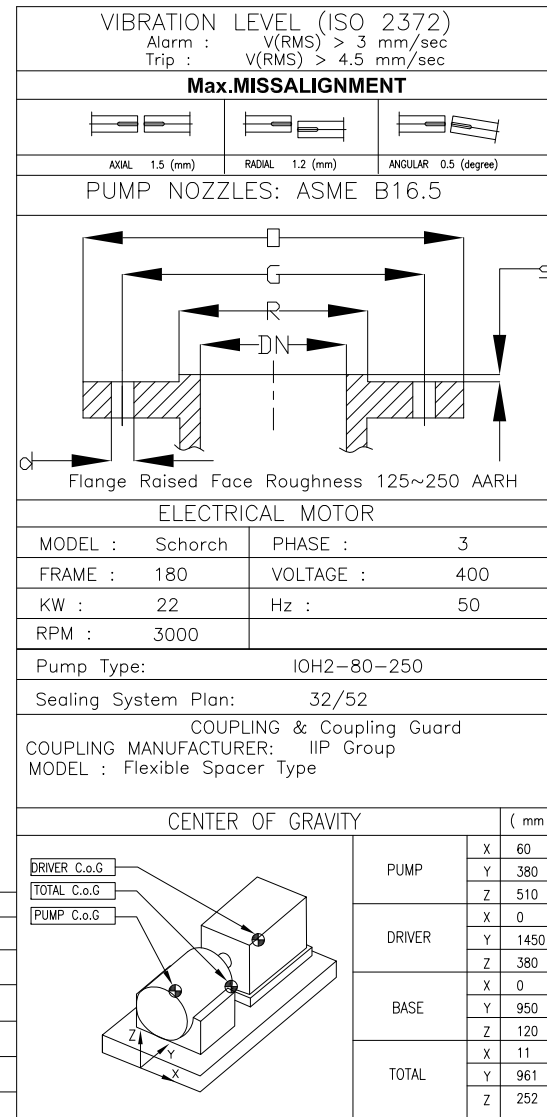







POS.	Q.	NPS	CONN. TYPE	DESCRIPTION	Ø (mm)	G (mm)	No.of holes	hole Ø (mm)	raised R (mm)	face S (mm)	
F	N1	1	4"	ASME B16.5 # 300 RF	Suction Flange	254	200	8	22.2	157.2	1.6
G	N2	1	3"	ASME B16.5 # 300 RF	Discharge Flange	210	168.3	8	22.2	127	1.6
	N3	1	3/4"	ASME B16.5 # 300 RF	Pump Drain Flange	117	82.6	4	19	42.9	1.6
	N4	1	2"	ASME B16.5 # 150 RF	Base Plate Drain Flange	152	120.6	4	19	92.1	1.6
	N5	1	1/2"	ANSI # 300 RF	Sealing System Vent Flange	95	66.7	4	15.8	34.9	1.6
	N6	1	1/2"	ASME # 300 RF	Reservoir Drain Flange	95	66.7	4	15.8	34.9	1.6
	N7	1	1/2"		Quick Coupler For nitrogen filling						
	N8	1	1/2"	ASME B16.5 # 300 RF	Sealing System Flange(HHX)	95	66.7	4	15.8	34.9	1.6
	N9	1	1/2"	ASME B16.5 # 300 RF	Sealing system Drain Flange	95	66.7	4	15.8	34.9	1.6
	CI	1	1/2"	ASME # 150 RF	Cooling Water Inlet	89	60.3	4	15.8	34.9	1.6
	CO	1	1/2"	ASME # 150 RF	Cooling Water Outlet	89	60.3	4	15.8	34.9	1.6
	FG	1	1/2"	Flanged ANSI # 150RF	Flow Indicator(By Vendor)						
	CLO	1		CLO	Constant level oiler(By Vendor)						
	V1	1	3/4"	Gate Valve # 800	Pump Drain Valve(By Vendor)						
	V2	1	1/2"	Globe valve #800	Cooling Water Outlet valve(By Vendor)						
	V3	1	1/2"	Globe valve #800	Cooling Water Inlet valve(By Vendor)						
	V4	1	1/2"	Ball valve #800	Heat Exchanger Drain valve(By Vendor)						
	V5	1	1/2"	Ball valve #800	Sealing system Drain valve(By Vendor)						
	V6	1	1/2"	Ball valve #800	Sealing system Vent valve(By Vendor)						
	S1	1	1/2"	#800 SS-316	strainer(By Vendor)						



REFERENCE DOCUMENTS				DOC. NO.			
Pump Data Sheet and Performance Curve for 40-P-222A/B				VP-40-000-MA-0011-0033			
Pump cross sectional drawing and Part list for 40-P-222A/B				VP-40-000-MA-0011-0105			
Motor data sheets for 40-P-222A/B				VP-40-000-MA-0011-0177			
Motor outline drawing for 40-P-222A/B				VP-40-000-MA-0011-0249			
Coupling Drawing for 40-P-222A/B				VP-40-000-MA-0011-0141			
Pump P&ID for 40-P-222A/B				VP-40-000-MA-0011-0285			
NOTE							
1-All Dimension are mm. 2-Coupling guard is Aluminium. 3-Material of base plate is st37 & bolt A193 Gr B7 and nut A194 Gr 2H. 4-Maintenance Area is 2m from Motor end and 1m from other sides. 5-All Dimension Clearances are according to ISO 286-1.							
-Bolt material shall conform to specification ASTM A193 Grade B7 (anchor bolts shall be partly hot dip galvanized in thread length plus 100mm length embedded into concrete). -Anchor bolt and nut will be supplied by IIP -All nuts&washers shall be hot dip galvanized according to ASTM A153 -Grout thickness:30mm							
NOZZLE LOADS							
FORCE		N		2XAPI 610		MOMENTS	
						Nm	
						2XAPI 610	
SUCTION :		3560	2840	2320	5120	2660	1360
DISCHARGE :		2140	1780	2660	3860	1900	940
						1440	2560
FOUNDATION LOADS (approx. weight)							
PUMP :						190 Kg	
MOTOR :						238 Kg	
BASE PLATE&SEALING SYSTEM :						950 Kg	
TOTAL :						1378 Kg	
Code#1	<input checked="" type="checkbox"/>	<b>Approved:</b> No comment and the document is released for Manufacturing.					
Code#2	<input type="checkbox"/>	<b>Approved with Minor comment:</b> Vendor shall correct, revise and resubmit the document. The document can be released for Manufacturing if changes incorporated.					
Code#3	<input type="checkbox"/>	<b>Commented:</b> Vendor shall correct, revise and resubmit the document by the date specified. The document shall be revised under the Status of "R: Revised Issue". All corrected documents shall be resubmitted before starting the Manufacturing.					
Code#4	<input type="checkbox"/>	<b>Not Accepted (Rejected):</b> Vendor shall re-work/re-design/re-specify the contents of the documents according to the comments/ reasons for rejection. All corrected documents shall be resubmitted before starting the Manufacturing process. In this case vendor shall not proceed with subsequent work until receiving code 1 or code 2 or no code from CONSULTANT / OWNER / MC. VENDOR shall resubmit the documents with the same revision within (10) working days(including transmission/mailing time) after receiving the commented documents from CONSULTANT / OWNER / MC.					
No Code	<input type="checkbox"/>	<b>No Code( Only for "FOR INFORMATION" documents and "As-Built DWGs")</b> Document has been submitted for CONSULTANT / OWNER / MC's information(FI) consistency, completeness and correctness of documents content is in VENDOR/EPC contractor responsibility.					
Above checking results 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></div><div>DATE : 14.03.2022 DEPT. : Machinery Signature : S.Razani</div></div>							
Only for internal review							
CV	PI	EL	IN	ME	MA		
ST	AR	PR	SA	HV	TL		
04	08.Mar.2022	R	Issue for Approval	A.K	M.B	A.N	GH.P
03	23.Jan.2022	R	Issue for Approval	A.K	M.B	A.N	GH.P
02	03.Oct.2021	R	Issue for Approval	A.K	M.B	A.N	GH.P
01	22.Aug.2021	R	Issue for Approval	A.K	S.G	A.N	GH.P
00	20.July.2021	F	Issue for Approval	A.K	S.G	A.N	GH.P
REV.	DATE	STATUS	PURPOSE OF ISSUE	PREP.	CHKD.	APPD.	AUTH.
<div><div></div><div>Soroush Mahestan Asaloyeh Company HDPE Project</div><div></div></div>							
<div><div></div><div>P.O DESCRIPTION: Centrifugal pumps</div><div></div></div>							
Contract No. SMAC-11-19/2021				P.O No. KP-40-000-PS-MA-PO-0011		SCALE: None	
DRAWING TITLE:							
General Arrangement Drawing for 40-P-222A/B							
DRAWING NO.				REV.			
VP-40-000-MA-0011-0069				04			
SHEET No.				SIZE			
1 OF 1				A3			