







OWNER:  شرکت مست و سویی توهمه ایران لیان (سایه و نفت)	<b>BUSHEHR PETROCHEMICAL COMPANY MEG PLANT</b>						EPC CONTRACTOR:  Chagalesh-Enerchimi-Steam Joint Venture BUPC-MEG PLANT PROJECT		
	<b>ELECTRICAL LOAD LIST FOR EMERGENCY INSTRUMENT AIR COMPRESSOR</b>						 Netherlands		
MC :  شرکت مست و سویی توهمه ایران لیان (سایه و نفت)	Project	Area	Phase	Unit	Dis.	Doc.	Seq.	Contract No : 52-98/445	
Owner Document Number: <b>17811-65B</b>	<b>BU</b>	<b>20</b>	<b>VD</b>	<b>303</b>	<b>EL</b>	<b>LST</b>	<b>0096</b>	Rev.:	Page
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## ELECTRICAL LOAD LIST FOR EMERGENCY INSTRUMENT AIR COMPRESSOR

 شرکت مست و سویی توهمه ایران لیان (سایه و نفت)	 Chagalesh-Enerchimi-Steam Joint Venture BUPC-MEG PLANT PROJECT	<b>BUSHEHR PETROCHEMICAL COMPANY MEG PLANT</b>
<b>Document Review</b>		
Issue Purpose:	IFA	
Result Code: AP,AN,CM,RE,NC	AN	
Next Status : IFC,IFA,IFI,AFC,AB	AFC	
Responsible Department	MECHANICAL	
Commented Date	Nov/08/2021	
<b>Approval or review hereunder shall not be construed to relieve Vendor / Subcontractor of his responsibilities and liability under the contract.</b>		

Rev.	Date	Purpose of Issue	Prepared	Checked	Approved	AC Code
02	29/10/2021	For approval	KP	PW	JR	
01	24/09/2021	For approval	KP	PW	JR	
00	13/09/2021	For approval	KP	PW	JR	
Class: <b>1</b> Phase: <b>P</b>						





# Electrical Load List



According to DSH, IP56 is true. Please clarify which is correct? It has conflict with C-1002.

According to DSH: Locked Rotor Power Factor = 0.5 Please clarify which is correct?

According to DSH: 4x6 mm<sup>2</sup> M25 Please clarify which is correct? (Cable from panel to motor is in vendor's scope of work.)

Project :

## BUSHEHR PETROCHEMICAL COMPANY MEG PLANT

VENDOR NAME.	Airpack Netherlands BV
ITEM NAME.	Instrument Air Compressor Package
REV. NO.	02
DATE.	29-10-2021

According to DSH: 11.5kW Please clarify which is correct?

According to DSH: Ex d IIB T4

### ELECTRICAL LOAD LIST

Description	Tag No.	Rated Power	Brake power	speed	voltage	Voltage Variation	Phases	Frequency	Power factor	Efficiency	Protection class	Ex- protection	Duty operation	System	Power factor at starting	Datasheet	Gland	Rev.
Main Compressor motor	20-C-7080-M	15 kW	11 kW	1475	400 VAC	-5% / + 5%	3ph	50Hz	0,81 FL	93,9% FL	IP55	Exdb IIA/B T4	S1	Air compressors	0,20%	VD-303-EL-DSH-0099	M32	02
Oil heater	20-C-7080-EC	75W	N/A	N/A	230 VAC	-5% / + 5%	1ph	50Hz	N/A	N/A	IP55	Exde IIC T3	Standby	Oil system	N/A	N/A	M20	02
Unit Control Panel	UCP-C-7080-01 Note 2	1kW	N/A	N/A	110 VAC	-5% / + 5%	1ph	50Hz	N/A	N/A	IP42	N/A	Normal / standby	Electrical equipment	N/A	N/A	N/A	02
Unit Control Panel	UCP-C-7080-01 Note 2	1kW	N/A	N/A	110 VAC	-10% / + 10%	1ph	50Hz	N/A	N/A	IP42	N/A	Normal / standby	Electrical equipment	N/A	N/A	N/A	02
Unit Control Panel	UCP-C-7080-01 Note 2	500W	N/A	N/A	230 VAC	-10% / + 10%	1ph	50Hz	N/A	N/A	IP42	N/A	Normal / standby	Electrical equipment	N/A	N/A	N/A	02
Power Distribution board	PD-C-7080-01 Note 4	17 kW	N/A	N/A	400 VAC	-5% / + 5%	1ph	50Hz	N/A	N/A	IP55	N/A	S1	Electrical equipment	N/A	N/A	M40	02
Workstation	N/A Note 1	500W	N/A	N/A	110 VAC	-10% / + 10%	1ph	50Hz	N/A	N/A	NA	N/A	Normal	Electrical equipment	N/A	N/A	N/A	02

400VAC is equal to 3ph.

This is a distribution board and is not a motor. Duty operation shall be clarified

Notes:

- One UPS 110 VAC feeder for Workstation to be provided by Owner (only 50m ethernet cable in Airpack scope).
- Totally, Two UPS 110VAC feeders (as redundant) and one Non-UPS 230VAC feeder for UCP-C1002-01 will be provided by Owner.
- Heat dissipation calculation will be submitted after approval of wiring diagram and panel by out as a separate document
- Rating Power: 17KW, Cable Size: (3C+N) - 50 mm<sup>2</sup>, Gland: EX-IP65 (C2/M40)

C-1002 or C-7080? Please check it.

As per VPIS there is not any document related to panel heat dissipation. Please clarify.