







OWNER:  شرکت سست و سویی توهم ایرانشان (سایه و شیشه)	BUSHEHR PETROCHEMICAL COMPANY MEG PLANT						EPC CONTRACTOR:  Chagalesh-Enerchimi-Steam Joint Venture BUPC-MEG PLANT PROJECT		
	ELECTRICAL LOAD LIST FOR NITROGEN GAS BOOSTER						 Netherlands		
MC :  شرکت سست و سویی توهم ایرانشان (سایه و شیشه)	Project	Area	Phase	Unit	Dis.	Doc.	Seq.	Contract No : 52-98/445	
Owner Document Number: 17811-65A	BU	20	VD	303	EL	LST	0048	Rev.:	Page
								01	1 of 3

ELECTRICAL LOAD LIST FOR NITROGEN GAS BOOSTER

 شرکت سست و سویی توهم ایرانشان (سایه و شیشه)	 Chagalesh-Enerchimi-Steam Joint Venture BUPC-MEG PLANT PROJECT	BUSHEHR PETROCHEMICAL COMPANY MEG PLANT
Document Review		
Issue Purpose:	IFA	
Result Code: AP,AN,CM,RE,NC	AN	
Next Status : IFC,IFA,IFI,AFC,AB	AFC	
Responsible Department	MECHANICAL	
Commented Date	Oct /11/2021	
Approval or review hereunder shall not be construed to relieve Vendor / Subcontractor of his responsibilities and liability under the contract.		

Rev.	Date	Purpose of Issue	Prepared	Checked	Approved	AC Code
01	24/09/2021	For approval	KP	PW	JR	
00	13/09/2021	For approval	KP	PW	JR	

Class: 1 Phase: p



Electrical Load List



- Table boarder to be specified.
- Please specify as a note in which document heat dissipation will be specify.

It shall be specified

Project :																	VENDOR NAME.	Airpack Netherlands BV	
BUSHHR PETROCHEMICAL COMPANY																	ITEM NAME.	Instrument Air Compressor Package	
MEG PLANT																	REV. NO.	01	
ELECTRICAL LOAD LIST																	DATE.	24/09/2021	
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-1002-M	45 kW	35 kW	1485	400 VAC	-5% / + 5%	3ph	50Hz	0.82 FL	94.2% FL	IP55	Exdb IIA/B T4	S1	Air compressors	0.20%	VD-303-EL-DSH-0052	TBC	01	
Oil heater	20-C-1002-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	TBC	01	
Unit Control Panel	UCP-C-1002-01	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	01	
Unit Control Panel	UCP-C-1002-01	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	01	
Unit Control Panel	UCP-C-1002-01	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	01	
Power Distribution board	PD-C-1002-01	50 kW								N/A	IP55	N/A	S1	Electrical equipment	N/A	N/A	N/A	01	
Workstation	N/A	500W								N/A	NA	N/A	Normal	Electrical equipment	N/A	N/A	N/A	01	

Please check it again. With reference to reply sheet. BkW is 37kW

Acc. to datasheet: 95.4%

VD-303-EL-DSH-0051

Please specify this item.
It shall be noted that **only one feeder** has been dedicated as follows:
Rating Power: 65KW
Cable Size: (3C+N) - 150 mm²
Gland: EX-IP65 (E/M63)
Vendor shall distribute mentioned feeder according to related requirements.

Please modify note 1 :
One UPS 110 VAC feeder for Workstation to be provided by Owner (only 50m ethernet cable in Airpack scope).

- Notes:
1. One 110 VAC feeder for Workstation to be provided by Owner.
 2. Totally, Two UPS 110VAC feeders (as redundant) and one Non-UPS 230VAC feeder for UCP-C1002-01 will be provided by Owner.
 3. Power cable from UCP to OWS will be supplied by client (only 50m ethernet cable in Airpack scope).