





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

ELECTRICAL LOAD LIST FOR NITROGEN GAS BOOSTER

01	24/09/2021	For approval		KP	PW	JR	
00	13/09/2021	For approval		KP	PW	JR	
Rev.	Date	Purpose of Issue		Prepared	Checked	Approved	AC Code
						Class: 1	Phase: p



Electrical Load List



Project :																	BUSHEHR PETROCHEMICAL COMPANY		MEG PLANT		VENDOR NAME.		Airpack Netherlands BV	
																	ITEM NAME.		Instrument Air Compressor Package		REV. NO.		01	
																	DATE.		24/09/2021					
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-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	N/A	400 VAC	-5% / + 5%	1ph	50Hz	N/A	N/A	IP55	N/A	S1	Electrical equipment	N/A	N/A	N/A	01						
Workstation	N/A	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	01						

Notes:

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