







OWNER:  شرکت سست و سویی توستر ایران (سایه رنگارنگ) MC :  شرکت سست و سویی توستر ایران (سایه رنگارنگ)	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	
Owner Document Number: 17811-65A	Project	Area	Phase	Unit	Dis.	Doc.	Seq.	Rev.:	Page
	BU	20	VD	303	EL	LST	0048	04	1 of 3

ELECTRICAL LOAD LIST FOR NITROGEN GAS BOOSTER

 شرکت سست و سویی توستر ایران  Chagalesh-Enerchimi-Steam Joint Venture BUPC-MEG PLANT PROJECT	BUSHEHR PETROCHEMICAL COMPANY MEG PLANT
Document Review	
Issue Purpose:	AFC
Result Code: AP,AN,CM,RE,NC	AP
Next Status : IFC,IFA,IFI,AFC,AB	-
Responsible Department	MECHANICAL
Commented Date	Oct.29,2022
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
04	20/10/2022	Approved for Construction	KP	PW	JR	
03	14/07/2022	Approved for Construction	KP	PW	JR	
02	29/10/2021	Approved for Construction	KP	PW	JR	
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



Project :																		BUSHEHR PETROCHEMICAL COMPANY MEG PLANT		VENDOR NAME.	Airpack Netherlands BV
																		ITEM NAME.	Nitrogen booster compressor		
																		REV. NO.	04		
																		DATE.	20-10-2022		
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	heat dissipation	Power factor at starting	Datasheet	Gland	Rev.		
Main Compressor motor	20-C-1002-M	45 kW	37 kW	1485	400 VAC	-5% / + 5%	3ph	50Hz	0,82 FL	95,4% FL	IP55	Exdb IIB T4	S1	Air compressors	NA	0,50%	VD-303-EL-DSH-0051	M40	02		
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	NA	N/A	N/A	M20	02		
Unit Control Panel	UCP-C-1002-01 Note 2	1kW	N/A	N/A	110 VAC	-5% / + 5%	1ph	50Hz	N/A	N/A	IP42	N/A	Normal / standby	Electrical equipment	940 Watt	N/A	N/A	N/A	02		
Unit Control Panel	UCP-C-1002-01 Note 2	1kW	N/A	N/A	110 VAC	-10% / + 10%	1ph	50Hz	N/A	N/A	IP42	N/A	Normal / standby	Electrical equipment	940 Watt	N/A	N/A	N/A	02		
Unit Control Panel	UCP-C-1002-01 Note 2	500W	N/A	N/A	230 VAC	-10% / + 10%	1ph	50Hz	N/A	N/A	IP42	N/A	Normal / standby	Electrical equipment	940 Watt	N/A	N/A	N/A	02		
Power Distribution board	PD-C-1002-01 Note 3	65 kW	N/A	N/A	400 VAC	-5% / + 5%	3ph	50Hz	N/A	N/A	IP55	N/A	Normal / standby	Electrical equipment	800 Watt	N/A	N/A	M63	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	NA	N/A	N/A	N/A	02		
Notes:																					
1. One UPS 110 VAC feeder for Workstation to be provided by Owner (only 50m ethernet cable in Airpack scope).																					
2. Totally, Two UPS 110VAC feeders (as redundant) and one Non-UPS 230VAC feeder for UCP-C1002-01 will be provided by Owner.																					
3. Rating Power: 65KW, Cable Size: (3C+N) - 150 mm ² , Gland: EX-IP65 (E/M63)																					