








	<b>Gachsaran Polymer Industries Company</b> <b>HDPE Plant</b>	
	<b>Electrical Load List for Refrigeration</b> <b>Unit Package</b>	 
PO No.: GPIC-PT-MA-PO-000-3029	Document Number: VD-GPIC-MA-3029-3029-0060	Rev. 02 Page 1 of 3

## Electrical Load List for Refrigeration Unit Package

<b>Code1</b>	<input checked="" type="checkbox"/> <b>No Comment/ Approved</b> (Applicable Only for "FOR REVIEW" and "For Approval" Documents) No comment and the document are released for Manufacturing.
<b>Code2</b>	<input type="checkbox"/> <b>No Comment/ Approved with Note(s)</b> Vendor/Sub-Contractor shall correct, revise and resubmit the document. The document is released for Manufacturing if changes incorporated.
<b>Code3</b>	<input type="checkbox"/> <b>Commented</b> Vendor/Sub-Contractor 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 Process.
<b>Code 4</b>	<input type="checkbox"/> <b>Not Accepted (Rejected )</b> Vendor/Sub-Contractor shall re-work / re-design / re-specify the contents of the document according to the comments / reasons for rejection. All corrected documents shall be resubmitted before starting the manufacturing. Vendor/Sub-Contractor shall not proceed with subsequent works of Material Supply or Manufacturing until receiving Code1/Code2 or No Code from PURCHASER. Vendor/Sub-Contractor shall resubmit the document with the same revision within 6 working days after receiving comments.
<b>No code</b>	<input type="checkbox"/> <b>No Code</b> ( Applicable Only for "For Information" Documents and "As Built DWGs") Document has been submitted for PURCHASER's Information (FI). Consistency, completeness and correctness of document content is in Vendor/Sub-Contractor's 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.	
 Energy Industries Engineering & Design co.	<b>Date:</b> May. 13, 2026 <b>Dept.:</b> MA <b>Signature:</b> F.Hamooni

02	06-May-26	IFR	A.M	F.T	A.M
01	12-Nov-25	IFR	A.M	F.T	A.M
00	2-Sep-25	IFR	A.M	F.T	A.M
<b>Rev.</b>	<b>DATE</b>	<b>PURPOSE OF ISSUE</b>	<b>PREPARED</b>	<b>CHECKED</b>	<b>APPROVED</b>



  Gachsaran Polymer Industries Company		<b>Gachsaran Polymer Industries Company</b> <b>HDPE Plant</b>														
		P.o. No.: GPIC-PT-MA-PO-000-3029										 				
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ITEM NO.	Tag No.	Description	Voltage (V) (1)	Mechanical (Shaft) Power (kW) (2)	Rated Power (kW) (3)	Duty (C/I/S) (4)	Source Type (N/E/V) (5)	Power Factor (6)	Efficiency (%) (7)	Rated Current (A) (8)	Load Factor (9)	Sync. Speed (rpm) (10)	Absorbed Active Power (kW) (11)	Absorbed Reactive Power (kVAR) (12)	Remark	
1	CM-6101A	MOTOR FOR REFRIGERANT COMPRESSOR A	6000	1098	1250	C	N	0.87	95.8	144.0	0.88	3000	1146.1	649.5		
2	CM-6101A-SH	SPACE HEATER FOR MOTOR OF REFRIGERANT COMPRESSOR A	230	-	0.8	S	N	1	100	3.48	1.00	-	0.8	0.0		
3	PM-6111A	OIL PUMP MOTOR A FOR REFRIGERANT COMPRESSOR A	400	9.3	11	C	N	0.85	90.6	20.6	0.85	1500	10.3	6.4		
4	PM-6111B	OIL PUMP MOTOR B FOR REFRIGERANT COMPRESSOR B	400	9.3	11	I	N	0.85	90.6	20.6	0.85	1500	10.3	6.4		
5	EH-6101	OIL HEATER FOR REFRIGERAN PACKAGE	400	-	6.5	I	N	1	100	9.38	1.00	-	6.5	0.0		
6	CM-6101B	MOTOR FOR REFRIGERANT COMPRESSOR B	6000	1098	1250	C	N	0.87	95.8	144.0	0.88	3000	1146.1	649.5		
7	CM-6101B-SH	SPACE HEATER FOR MOTOR OF REFRIGERANT COMPRESSOR B	230	-	0.8	S	N	1	100	3.48	1.00	-	0.8	0.0		
8	UCP-6101	NON-UPS POWER SUPPLY FOR UCP	230	-	0.6	C	E	0.95	100	2.75	1.00	-	0.6	0.2		
9	UCP-6101	UPS POWER SUPPLY 1 FOR UCP	110	-	1	C	V	0.95	100	9.57	1.00	-	1.0	0.3		
10	UCP-6101	UPS POWER SUPPLY 2 FOR UCP	110	-	1	S	V	0.95	100	9.57	1.00	-	1.0	0.3		

**DEFINITIONS & NOTES:**

(4): C: CONTINUOUS I: INTERMITTENT S: STANDBY

(5): N: NORMAL E: EMERGENCY (FROM DIESEL GENERATOR) V: VITAL (FROM UPS)

LOAD FACTOR (9) = (2) / (3)

ABSORBED ACTIVE POWER kW (11) = (2) / (7)

ABSORBED REACTIVE POWER kVAR (12) = (11) \* TAN (ACOS (6) )