



ASPC Project



END CUSTOMER	: Arya Sasol Polymer Company
CONTRACTOR	: DYPNF Co., Ltd.
VENDOR NAME	: Airpack Netherlands BV
EQUIPMENT DESCRIPTION	: Screw Compressor & Roots Blower : Package
PURCHASE ORDER NUMBER	: PO-PC2312-08

Customer Document : 3944-VD-0171-DYP-RE-400-LST-0011
Number

Airpack Document Number : 23383-09

Document Title : Utility Consumption

Review Code and Status		Contractor Initials/Signature	Date signed
<input type="checkbox"/>	Code 1 REJECTED - Vendor to revise and Resubmit. Work cannot proceed		
<input type="checkbox"/>	Code 2 Comments As Noted - Work May proceed, subject to compliance with and incorporation of comments		
<input type="checkbox"/>	Code 3 No Comments - Work may proceed.		
<input type="checkbox"/>	Code 4 Information only - Review not required.		

Rev. No.	Description	Date	Prepared by	Checked by	Approved by
02	Issued for Approval	08-08-2025	SC	KP	JJ
01	Issued for Approval	26-06-2025	SC	KP	JJ
00	Issued for Approval	17-03-2025	SC	KP	JJ

ELECTRICAL LOAD LIST



No.	Item No.	Description	Q'ty	Operation Mode			Emergency Supply	Voltage [V]	Phase 1/3	Freq [hz]	Rated Power [kW]	Shaft Power [kW]	Effic'y [%]	PF [%]	Remarks
				C	I	S	O/X								
Compressor															
1	44C-40001A/B-M1	Compressor Main Drive Motor	2	2			X	6000	3	50	440	356	-	-	
2		Space Heater for Main Motor	2	2			X	230	1	50	0.173	0.173	-	-	
3	44C-40002A/B-M2	Compressor Enclosure fan motor	2	2			X	380	3	50	Later	Later	-	-	
4	44LPS-40001A/B	N2 Compressor LPS										-	-	-	
5			UPS Power												
5		Normal Power	2	2			X	230	1	50	1	-	-	-	
6	44C-40001A/B-M3	Oil demister motor	2	2			X	230	1	50	0.37	0.37			
7	44P-40001A/B	Oil Pump	2	2			X	-	-	-	-	-	-	-	Driven through gearbox
8	44C-80001A/B-M1	Compressor Main Drive Motor	2	2			X	6000	3	50	250	196	-	-	
9		Space Heater for Main Motor	2	2			X	230	1	50	0.173	0.173	-	-	
10	44C-80001A/B-M2	Compressor Enclosure fan motor	2	2			X	380	3	50	3	2.31	-	-	
11	44LPS-80001A/B	Air Compressor LPS										-	-	-	
12			UPS Power												
12		Normal Power	2	2			X	230	1	50	1	-	-	-	
13	44C-80001A/B-M3	Oil demister motor	2	2			X	230	1	50	0.37	0.37			
14	44P-80001A/B	Oil Pump	2	2			X	-	-	-	-	-	-	-	Driven through gearbox
15	44C-80002A/B-M1	Roots blower Main Drive Motor	2	2			X	6000	3	50	250	193	-	-	
16		Space Heater for Main Motor	2	2			X	230	1	50	0.173	0.173	-	-	
17	44C-80002A/B-M2	Roots blower enclosure fan motor	2	2			X	-	-	-	-	-	-	-	Driven through gearbox
18	44LPS-80002A/B	Roots blower LPS										-	-	-	
19			UPS Power												
19		Normal Power	2	2			X	230	1	50	1	-	-	-	
20	44P-80002A/B	Oil Pump	2	2			X	-	-	-	-	-	-	-	Driven through gearbox
21	44C-80004A/B-M1	Compressor Main Drive Motor	2	2			X	6000	3	50	590	479	-	-	
22		Space Heater for Main Motor	2	2			X	230	1	50	0.173	0.173	-	-	
23	44C-80004A/B-M2	Compressor enclosure fan motor	2	2			X	-	-	-	-	-	-	-	Driven through gearbox
24	44LPS-80004A/B	Air Compressor LPS										-	-	-	
25			UPS Power												
25		Normal Power	2	2			X	230	1	50	1	-	-	-	
26	44C-80004A/B-M3	Oil demister motor	2	2			X	230	1	50	0.37	0.37			
27	44P-80004A/B	Oil Pump	2	2			X	-	-	-	-	-	-	-	Driven through gearbox
28	44C-80005A/B/C-M1	Compressor Main Drive Motor	3	2		1	X	6000	3	50	250	197	-	-	
29		Space Heater for Main Motor	3	2		1	X	230	1	50	0.173	0.173	-	-	
30	44C-80005A/B/C-M2	Compressor enclosure fan motor	3	2		1	X	380	3	50	3	2.31	-	-	
31	44LPS-80005A/B/C	Air Compressor LPS										-	-	-	
32			UPS Power												
32		Normal Power	3	2		1	X	230	1	50	1	-	-	-	
33	44C-80005A/B/C-M3	Oil demister motor	2	2			X	230	1	50	0.37	0.37			
34	44P-80005A/B	Oil Pump	3	2		1	X	-	-	-	-	-	-	-	Driven through gearbox

ELECTRICAL LOAD LIST



No.	Item No.	Description	Q'ty	Operation Mode			Emergency Supply	Voltage	Phase	Freq	Rated Power	Shaft Power	Effic'y	PF	Remarks
				C	I	S	O/X	[V]	1/3	[hz]	[kW]	[kW]	[%]	[%]	

Note 1. Legend ; C : Continuous, I : Intermittent, S : Stand-by