



ASPC Project



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

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

Airpack Document Number : 23383-09

Document Title : Utility Consumption

Please check the attached Excel file (two sheets) and fill in the "Later" section. (We need data for Effic'y, PF and Enclosure Fan Motor Rated Power, Shaft Power.)

Review Code and Status		Contractor Initials/Signature	Date signed
<input type="checkbox"/>	Code 1 REJECTED - Vendor to revise and Resubmit. Work cannot proceed		
<input checked="" type="checkbox"/>	Code 2 Comments As Noted - Work May proceed, subject to compliance with and incorporation of comments		27 Jun 2025
<input type="checkbox"/>	Code 3 No Comments - Work may proceed.		
<input type="checkbox"/>	Code 4 Information only - Review not required.		

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

General Comment
 In PID, M2 is Oil demister motor
 and M3 is Enclosure fan motor.
 Please check.

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														
		40001A/B													
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												
		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	Later	Later	-	-	
11	44LPS-80001A/B	Air Compressor LPS													
12			UPS Power												
		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												
		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												
		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	Later	Later	-	-	
31	44LPS-80005A/B/C	Air Compressor LPS													
32			UPS Power												
		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