



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 Document : 3944-VD-0171-DYP-RE-400-DSH-0019
Number

Airpack Document Number : 23383-11B

Document Title : Compressor data sheets

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.		

00	Issued for Approval	18-03-2025	SC	KP	JJ
Rev. No.	Description	Date	Prepared by	Checked by	Approved by



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1	VENDOR (COMPRESSOR)	Airpack Netherlands B.V.		REFERENCE :	23383-COM				
2	TYPE / MODEL	44C-40001A/B		SERIAL NO. :	T-2025-00804/00805				
3	SERVICE	Nitrogen compressor		OPERATION :	Continuous				
4	QUANTITY	2							
5	OPERATING CONDITIONS			PACKAGE SCOPE OF SUPPLY					
6	GAS HANDLED	Nitrogen		COMPRESSOR TYPE :	Oil free screw				
7				DRIVER TYPE :	MV motor				
8				COUPLING / GUARD :	Non-sparking				
9	INLET CONDITIONS			RCU AND SAFETY SWITCHES FOR MOTORS :	N/A				
10	PRESSURE	bar(a)	1,063	INTAKE FILTER / SILENCER :	N/A				
11	TEMPERATURE	°C	48	INTERCOOLING :	N/A				
12	REL. HUMIDITY	%	0	AFTERCOOLER :	N/A				
13				LUBE-OIL COOLER :	Air-cooled				
14				LUBE-OIL FILTER :	Included				
16				AUTO CONDENSATE TRAP :	N/A				
17	DISCHARGE CONDITIONS			AIR DRYER :	N/A				
18	PRESSURE	bar(a)	2,903	NITROGEN GENERATOR :	N/A				
19	FLOW RATE	Nm³/h	6416	BLOW-OFF SILENCER :	N/A				
20	TEMPERATURE	°C	189	CONTROL PANEL :	LPS and Junction box				
21				VIBRATION MONITOR :	N/A				
22				INTERCONNECTING PIPEWORK & VALVES :	N/A				
23				ACOUSTIC ENCLOSURE :	Included				
24	COMP. PERFORMANCE			FOUNDATION BOLTS :	Included				
25	SPEED	rpm	6994	RECEIVER VESSELS :	N/A				
26	POWER AT COUPLING	kW	356	LIGHTING :	N/A				
27	TYPE	Oil free screw							
28	DESIGN TEMP/PRESS	°C/bar(g)			-10-280 / 5				
29	DRIVER PERFORMANCE			UTILITY SUPPLIES					
30	OPERATING SPEED	rpm	2988	ELECTRICAL SUPPLY :					
31	RATING	kW	450	V	6000	PH	3	Hz	50
32	MANUFACTURER	WEG		V	380	PH	3	Hz	50
33				V	230	PH	1	Hz	50
34				COOLING MEDIUM :					
35				Oil					
36									
37	SITE CONDITIONS			WEIGHTS AND DIMENSIONS					
38	ELEVATION	m	<1000	COMPRESSOR	kg	TBD			
39	AMB. TEMPERATURE	°C	5-48	DRIVER	kg	TBD			
40	AMB. PRESSURE	bar(a)	1,013	MISCELLANEOUS	kg	TBD			
41	REL. HUMIDITY	%	65-100	TOTAL	kg	TBD			
42	AREA CLASSIFICATION	Zone 2 IIB T3							
43	NOISE LIMITATION	dBA	85						
44				SIZE	mm	L X W X H			
45									
46	NOTES :								
47									
48									
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1	VENDOR (COMPRESSOR)	Airpack Netherlands B.V.		REFERENCE :	23383-COM				
2	TYPE / MODEL	44C-80001A/B		SERIAL NO. :	T-2025-00806/00807				
3	SERVICE	Air compressor		OPERATION :	Continuous				
4	QUANTITY	2							
5	OPERATING CONDITIONS			PACKAGE SCOPE OF SUPPLY					
6	GAS HANDLED	Ambient Air		COMPRESSOR TYPE :	Oil free screw				
7				DRIVER TYPE :	MV motor				
8				COUPLING / GUARD :	Flexible				
9	INLET CONDITIONS			RCU AND SAFETY SWITCHES FOR MOTORS :	N/A				
10	PRESSURE	bar(a)	1,013	INTAKE FILTER / SILENCER :	N/A				
11	TEMPERATURE	°C	5-48	INTERCOOLING :	N/A				
12	REL. HUMIDITY	%	65-100	AFTERCOOLER :	N/A				
13				LUBE-OIL COOLER :	Air-cooled				
14				LUBE-OIL FILTER :	Included				
15				AUTO CONDENSATE TRAP :	N/A				
16				AIR DRYER :	N/A				
17	DISCHARGE CONDITIONS			NITROGEN GENERATOR :	N/A				
18	PRESSURE	bar(a)	2,473	BLOW-OFF SILENCER :	N/A				
19	FLOW RATE	Nm³/h	4247	CONTROL PANEL :	LPS and Junction box				
20	TEMPERATURE	°C	167	VIBRATION MONITOR :	N/A				
21				INTERCONNECTING PIPEWORK & VALVES :	N/A				
22				ACOUSTIC ENCLOSURE :	Included				
23				FOUNDATION BOLTS :	Included				
24	COMP. PERFORMANCE			RECEIVER VESSELS :	N/A				
25	SPEED	rpm	6253	LIGHTING :	N/A				
26	POWER AT COUPLING	kW	195						
27	TYPE	Oil free screw							
28	DESIGN TEMP/PRESS	°C/bar(g)			-10-230 / 3.2				
29	DRIVER PERFORMANCE			UTILITY SUPPLIES					
30	OPERATING SPEED	rpm	2980	ELECTRICAL SUPPLY :					
31	RATING	kW	250	V	6000	PH	3	Hz	50
32	MANUFACTURER	WEG		V	380	PH	3	Hz	50
33				V	230	PH	1	Hz	50
34				COOLING MEDIUM :					
35				Oil					
36									
37	SITE CONDITIONS			WEIGHTS AND DIMENSIONS					
38	ELEVATION	m	<1000	COMPRESSOR	kg	TBD			
39	AMB. TEMPERATURE	°C	5-48	DRIVER	kg	TBD			
40	AMB. PRESSURE	bar(a)	1,013	MISCELLANEOUS	kg	TBD			
41	REL. HUMIDITY	%	65-100	TOTAL	kg	TBD			
42	AREA CLASSIFICATION	Safe Area							
43	NOISE LIMITATION	dBA	85						
44				SIZE	mm	L X W X H			
45									
46	NOTES :								
47									
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1	VENDOR (COMPRESSOR)	Airpack Netherlands B.V.		REFERENCE :	23383-COM				
2	TYPE / MODEL	44C-80002A/B		SERIAL NO. :	T-2025-00808/00809				
3	SERVICE	Roots blower		OPERATION :	Continuous				
4	QUANTITY	2							
5	OPERATING CONDITIONS			PACKAGE SCOPE OF SUPPLY					
6	GAS HANDLED	Ambient Air		COMPRESSOR TYPE :	Positive displacement				
7				DRIVER TYPE :	MV motor				
8				COUPLING / GUARD :	Flexible				
9	INLET CONDITIONS			RCU AND SAFETY SWITCHES FOR MOTORS :	N/A				
10	PRESSURE	bar(a)	1,013	INTAKE FILTER / SILENCER :	N/A				
11	TEMPERATURE	°C	5-48	INTERCOOLING :	N/A				
12	REL. HUMIDITY	%	65-100	AFTERCOOLER :	N/A				
13				LUBE-OIL COOLER :	Air-cooled				
14				LUBE-OIL FILTER :	Included				
16				AUTO CONDENSATE TRAP :	N/A				
17	DISCHARGE CONDITIONS			AIR DRYER :	N/A				
18	PRESSURE	bar(a)	1,983	NITROGEN GENERATOR :	N/A				
19	FLOW RATE	Nm³/h	4266	BLOW-OFF SILENCER :	N/A				
20	TEMPERATURE	°C	154	CONTROL PANEL :	LPS and Junction box				
21				VIBRATION MONITOR :	N/A				
22				INTERCONNECTING PIPEWORK & VALVES :	N/A				
23				ACOUSTIC ENCLOSURE :	Included				
24	COMP. PERFORMANCE			FOUNDATION BOLTS :	Included				
25	SPEED	rpm	2244	RECEIVER VESSELS :	N/A				
26	POWER AT COUPLING	kW	193	LIGHTING :	N/A				
27	TYPE	Positive displacement							
28	DESIGN TEMP/PRESS	°C/bar(g)	-10-155 / 2.1						
29	DRIVER PERFORMANCE			UTILITY SUPPLIES					
30	OPERATING SPEED	rpm	1488	ELECTRICAL SUPPLY :					
31	RATING	kW	250	V	6000	PH	3	Hz	50
32	MANUFACTURER	WEG		V	380	PH	3	Hz	50
33				V	230	PH	1	Hz	50
34				COOLING MEDIUM :					
35				Oil					
36									
37	SITE CONDITIONS			WEIGHTS AND DIMENSIONS					
38	ELEVATION	m	<1000	COMPRESSOR	kg	TBD			
39	AMB. TEMPERATURE	°C	5-48	DRIVER	kg	TBD			
40	AMB. PRESSURE	bar(a)	1,013	MISCELLANEOUS	kg	TBD			
41	REL. HUMIDITY	%	65-100	TOTAL	kg	TBD			
42	AREA CLASSIFICATION	Safe Area							
43	NOISE LIMITATION	dBA	85						
44				SIZE	mm	L X W X H			
45									
46	NOTES :								
47									
48									
49									
50									



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1	VENDOR (COMPRESSOR)	Airpack Netherlands B.V.		REFERENCE :	23383-COM				
2	TYPE / MODEL	44C-80004A/B		SERIAL NO. :	T-2025-00810/00811				
3	SERVICE	Air compressor		OPERATION :	Continuous				
4	QUANTITY	2							
5	OPERATING CONDITIONS			PACKAGE SCOPE OF SUPPLY					
6	GAS HANDLED	Ambient Air		COMPRESSOR TYPE :	Oil free screw				
7				DRIVER TYPE :	MV motor				
8				COUPLING / GUARD :	Flexible				
9	INLET CONDITIONS			RCU AND SAFETY SWITCHES FOR MOTORS :	N/A				
10	PRESSURE	bar(a)	1,013	INTAKE FILTER / SILENCER :	N/A				
11	TEMPERATURE	°C	5-48	INTERCOOLING :	N/A				
12	REL. HUMIDITY	%	65-100	AFTERCOOLER :	N/A				
13				LUBE-OIL COOLER :	Air-cooled				
14				LUBE-OIL FILTER :	Included				
16				AUTO CONDENSATE TRAP :	N/A				
17	DISCHARGE CONDITIONS			AIR DRYER :	N/A				
18	PRESSURE	bar(a)	3,213	NITROGEN GENERATOR :	N/A				
19	FLOW RATE	Nm³/h	7339	BLOW-OFF SILENCER :	N/A				
20	TEMPERATURE	°C	205	CONTROL PANEL :	LPS and Junction box				
21				VIBRATION MONITOR :	N/A				
22				INTERCONNECTING PIPEWORK & VALVES :	N/A				
23				ACOUSTIC ENCLOSURE :	Included				
24	COMP. PERFORMANCE			FOUNDATION BOLTS :	Included				
25	SPEED	rpm	5860	RECEIVER VESSELS :	N/A				
26	POWER AT COUPLING	kW	479	LIGHTING :	N/A				
27	TYPE	Oil free screw							
28	DESIGN TEMP/PRESS	°C/bar(g)			-10-280 / 5				
29	DRIVER PERFORMANCE			UTILITY SUPPLIES					
30	OPERATING SPEED	rpm	2985	ELECTRICAL SUPPLY :					
31	RATING	kW	560	V	6000	PH	3	Hz	50
32	MANUFACTURER	WEG		V	380	PH	3	Hz	50
33				V	230	PH	1	Hz	50
34				COOLING MEDIUM :					
35				Oil					
36									
37	SITE CONDITIONS			WEIGHTS AND DIMENSIONS					
38	ELEVATION	m	<1000	COMPRESSOR	kg	TBD			
39	AMB. TEMPERATURE	°C	5-48	DRIVER	kg	TBD			
40	AMB. PRESSURE	bar(a)	1,013	MISCELLANEOUS	kg	TBD			
41	REL. HUMIDITY	%	65-100	TOTAL	kg	TBD			
42	AREA CLASSIFICATION	Safe Area							
43	NOISE LIMITATION	dBA	85						
44				SIZE	mm	L X W X H			
45									
46	NOTES :								
47									
48									
49									
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1	VENDOR (COMPRESSOR)	Airpack Netherlands B.V.			REFERENCE :	23383-COM				
2	TYPE / MODEL	44C-80005A/B/C			SERIAL NO. :	T-2025-00812/00813/00814				
3	SERVICE	Air compressor			OPERATION :	2 Continuous, 1 Standby				
4	QUANTITY	3								
5	OPERATING CONDITIONS				PACKAGE SCOPE OF SUPPLY					
6	GAS HANDLED	Ambient Air			COMPRESSOR TYPE :	Oil free screw				
7					DRIVER TYPE :	MV motor				
8					COUPLING / GUARD :	Flexible				
9	INLET CONDITIONS				RCU AND SAFETY SWITCHES FOR MOTORS :	N/A				
10	PRESSURE	bar(a)	1,013		INTAKE FILTER / SILENCER :	N/A				
11	TEMPERATURE	°C	5-48		INTERCOOLING :	N/A				
12	REL. HUMIDITY	%	65-100		AFTERCOOLER :	N/A				
13					LUBE-OIL COOLER :	Air-cooled				
14					LUBE-OIL FILTER :	Included				
16					AUTO CONDENSATE TRAP :	N/A				
17	DISCHARGE CONDITIONS				AIR DRYER :	N/A				
18	PRESSURE	bar(a)	2,423		NITROGEN GENERATOR :	N/A				
19	FLOW RATE	Nm³/h	4226		BLOW-OFF SILENCER :	N/A				
20	TEMPERATURE	°C	164		CONTROL PANEL :	LPS and Junction box				
21					VIBRATION MONITOR :	N/A				
22					INTERCONNECTING PIPEWORK & VALVES :	N/A				
23					ACOUSTIC ENCLOSURE :	Included				
24	COMP. PERFORMANCE				FOUNDATION BOLTS :	Included				
25	SPEED	rpm	6253		RECEIVER VESSELS :	N/A				
26	POWER AT COUPLING	kW	189		LIGHTING :	N/A				
27	TYPE		Oil free screw							
28	DESIGN TEMP/PRESS	°C/bar(g)	-10-230 / 3.2							
29	DRIVER PERFORMANCE				UTILITY SUPPLIES					
30	OPERATING SPEED	rpm	2980		ELECTRICAL SUPPLY :					
31	RATING	kW	250		V	6000	PH	3	Hz	50
32	MANUFACTURER		WEG		V	380	PH	3	Hz	50
33					V	230	PH	1	Hz	50
34					COOLING MEDIUM :					
35					Oil					
36										
37	SITE CONDITIONS				WEIGHTS AND DIMENSIONS					
38	ELEVATION	m	<1000		COMPRESSOR	kg	TBD			
39	AMB. TEMPERATURE	°C	5-48		DRIVER	kg	TBD			
40	AMB. PRESSURE	bar(a)	1,013		MISCELLANEOUS	kg	TBD			
41	REL. HUMIDITY	%	65-100		TOTAL	kg	TBD			
42	AREA CLASSIFICATION		Safe Area							
43	NOISE LIMITATION	dBA	85							
44					SIZE	mm	L X W X H			
45										
46	NOTES :									
47										
48										
49										
50										