



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.		

05	Issued for Approval	29-04-2026	SC	KP	JJ
04	Issued for Approval	13-04-2026	SC	KP	JJ
03	Issued for Approval	08-08-2025	SC	KP	JJ
02	Issued for Approval	04-07-2025	SC	KP	JJ
Rev. No.	Description	Date	Prepared by	Checked by	Approved by



300 KT polyethylene plant project (ASPC)



DATE: 29/04/2026

DOC NO.: 23383-11B COMPRESSOR DATA SHEET

REV. 05

PAGE: 2 of 6

1	VENDOR (COMPRESSOR): Airpack Netherlands B.V.			REFERENCE:	23383-COM		
2	TYPE / MODEL: Aerzen VM100			SERIAL NO.:	T-2025-00804/00805		
3	SERVICE: Nitrogen compressor			OPERATION:	Continuous		
4	QUANTITY: 2 (1+1)			ITEM NO.:	44C-40001A/B		
5	INLET CONDITIONS			PACKAGE SCOPE OF SUPPLY			
6	GAS HANDLED: Nitrogen			COMPRESSOR TYPE: Oil free screw			
7	INLET CONDITIONS			DRIVER TYPE: MV motor			
8	PRESSURE	bar(g)	0.05	COUPLING / GUARD: Flexible / Non-sparking			
9	TEMPERATURE	°C	48	RCU AND SAFETY SWITCHES FOR MOTORS: N/A			
10	REL. HUMIDITY	%	0	INTAKE FILTER / SILENCER: By others / Included			
11	OPERATING DENSITY	kg/m3	1.1	INTERCOOLING: N/A			
12	MOLECULAR MASS	g/mol	28	AFTERCOOLER: N/A			
13	Cp/Cv		1.4	LUBE-OIL COOLER: Air-cooled			
14	Z		1	LUBE-OIL FILTER: Included			
16	VISCOSITY	PaS	1.92*10⁻⁵	AUTO CONDENSATE TRAP: N/A			
17	DISCHARGE CONDITIONS			AIR DRYER: N/A			
18	PRESSURE	bar(g)	1.89	NITROGEN GENERATOR: N/A			
19	FLOW RATE	Nm ³ /h	6416	BLOW-OFF SILENCER: N/A			
20	TEMPERATURE	°C	189	CONTROL PANEL: LPS and Junction box			
21	CONNECTION	ANSI 10" 150# RF		VIBRATION MONITOR: N/A			
22	COMP. PERFORMANCE			INTERCONNECTING PIPEWORK & VALVES: N/A			
23	SPEED	rpm	6994	ACOUSTIC ENCLOSURE: Included			
24	ABSORBED POWER	kW	356	FOUNDATION BOLTS: Included			
25	TYPE	Oil free screw		RECEIVER VESSELS: N/A			
26	DESIGN TEMP/PRESS	°C/bar(g)	-10-280 / 5	LIGHTING: N/A			
27	COMPRESSION RATIO	2.73		BASEPLATE: Included			
28	VOL. EFFICIENCY	%	99.8	FIRST OIL FILLING: Included			
	NOISE @ 1M	dBA	80				
29	DRIVER PERFORMANCE 44C-40001A/B-M1			UTILITY SUPPLIES			
30	OPERATING SPEED	rpm	2988	ELECTRICAL SUPPLY:			
31	RATING	kW	450	V	6000	PH	3 Hz 50
32	MANUFACTURER	WEG		V	400	PH	3 Hz 50
33	NO. OF POLES	2		V	230	PH	1 Hz 50
34	DRIVE	DIRECT		COOLING MEDIUM: AIR			
35		NOTE 1		TEMPERATURE: AMBIENT			
36	COOLING METHOD	TEFC		PRESSURE: AMBIENT			
37	SITE CONDITIONS			WEIGHTS AND DIMENSIONS			
38	ELEVATION	m	<1000	COMPRESSOR	kg	3714	
39	AMB. TEMPERATURE	°C	5-48	DRIVER	kg	4100	
40	AMB. PRESSURE	bar(g)	0	MISCELLANEOUS	kg	5380	
41	REL. HUMIDITY	%	65-100	TOTAL	kg	+/- 13200	
42	AREA CLASSIFICATION	Zone 2 group IIB, T3					
43	NOISE LIMITATION	dBA	85	SIZE	mm	L X W X H	5700 X 2903 X 2080
44							
45							
46				BEARING HOUSING			
47	CASING			TYPE: ANTI-FRICTION			
48	MATERIAL	EN-GJL-250 / ASTM A48 Class 40		BALL / ROLLER: ROLLER			
49	COOLING	AIR-COOLED					
50	DRIVE DIRECTION	CW		LUBRICATION			
51				LUBE SYSTEM: FORCED LUBRICATION, AIR COOLED			
52				LUBE OIL PUMP DRIVE: SHAFT DRIVEN			
53	ROTORS			SYSTEM OIL CAPACITY: L 70			
54	NO. OF LOBES MALE	4		LUBE OIL COOLER: AIR-COOLED			
55	NO. OF LOBES FEMALE	6		LUBE OIL FILTER: INCLUDED			
56	MATERIAL	C45N / ASTM A29 Grade 1045		THERMOSTATIC VALVE: YES			
57							
58	TIMING GEARS			STANDARDS AND SPECIFICATIONS			
59	MATERIAL	16 Mn Cr5 / ASTM A29 Grade 5115		Compressor: Mfr. Std.			
60	TYPE	HELICAL, TEETH HARDENED					
61	SEALING			INSTRUMENTATION			
62	SHAFT SEALING TYPE	LABYRINTH		FUNCTION		TYPE(S)	
63				COMPRESSOR INLET PRESSURE		GAUGE & TRANSMITTER	
65	SKID / COMPRESSOR CONNECTIONS (ASME B16.5)			COMPRESSOR DISCHARGE TEMPERATURE		TRANSMITTER	
66	NOZZLE	SIZE	RATING	FACING	POSITION	COMPRESSOR DISCHARGE PRESSURE: GAUGE & TRANSMITTER	
67	NITROGEN INLET	12"	150#	RF	TOP	COMPRESSOR OIL TEMPERATURE: TRANSMITTER	
68	NITROGEN DISCHARGE	10"	150#	RF	TOP	COMPRESSOR OIL PRESSURE: GAUGE & TRANSMITTER	
69	PSV OUTLET	6"	150#	RF	TOP	COMPRESSOR ENCLOSURE TEMPERATURE: TRANSMITTER	
70						COMPRESSOR OIL LEVEL: SIGHT GLASS	
70						MAIN MOTOR TEMPERATURE (BEARINGS AND WINDINGS): RTD	
71	NOTES : 1: FOR MORE INFORMATION ABOUT THE DRIVER REFER TO MOTOR DATASHEET						
72							



300 KT polyethylene plant project (ASPC)



DATE: 29/04/2026

DOC NO.: 23383-11B COMPRESSOR DATA SHEET

REV. 05

PAGE: 3 of 6

1	VENDOR (COMPRESSOR):		Airpack Netherlands B.V.		REFERENCE :	23383-COM					
2	TYPE / MODEL:		Aerzen VML95		SERIAL NO.:	T-2025-00806/00807					
3	SERVICE:		Air compressor		OPERATION :	Continuous					
4	QUANTITY:		2 (1+1)		ITEM NO.:	44C-80001A/B					
5	INLET CONDITIONS				PACKAGE SCOPE OF SUPPLY						
6	GAS HANDLED:		Air		COMPRESSOR TYPE:		Oil free screw				
7	INLET CONDITIONS				DRIVER TYPE:		MV motor				
8	PRESSURE	bar(g)	-0.01		COUPLING / GUARD:		Flexible / Non-sparking				
9	TEMPERATURE	°C	5-48		RCU AND SAFETY SWITCHES FOR MOTORS:		N/A				
10	REL. HUMIDITY	%	65-100		INTAKE FILTER / SILENCER:		Included				
11	OPERATING DENSITY	kg/m3	1.1		INTERCOOLING:		N/A				
12	MOLECULAR MASS	g/mol	28.97		AFTERCOOLER:		N/A				
13	Cp/Cv		1.4		LUBE-OIL COOLER:		Air-cooled				
14	Z		1		LUBE-OIL FILTER:		Included				
15	VISCOSITY	PaS	1.97*10 ⁻⁵		AUTO CONDENSATE TRAP:		N/A				
16	INLET FILTER DIFF. PRESS.	Mbar	10		AIR DRYER:		N/A				
17	DISCHARGE CONDITIONS				NITROGEN GENERATOR:		N/A				
18	PRESSURE	bar(g)	1.46		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	CONNECTION		ANSI 10" 150# RF		INTERCONNECTING PIPEWORK & VALVES:		N/A				
22	COMP. PERFORMANCE				ACOUSTIC ENCLOSURE:		Included				
23	SPEED	rpm	6253		FOUNDATION BOLTS:		Included				
24	ABSORBED POWER	kW	195		RECEIVER VESSELS:		N/A				
25	TYPE		Oil free screw		LIGHTING:		N/A				
26	DESIGN TEMP/PRESS	°C/bar(g)	-10-230 / 3.2		BASEPLATE:		Included				
27	COMPRESSION RATIO		2.44		FIRST OIL FILLING:		Included				
28	VOL. EFFICIENCY	%	96.6								
29	NOISE @ 1M	dBA	78								
29	DRIVER PERFORMANCE 44C-80001A/B-M1				UTILITY SUPPLIES						
30	OPERATING SPEED	rpm	2980		ELECTRICAL SUPPLY :						
31	RATING	kW	250		V	6000	PH	3	Hz	50	
32	MANUFACTURER		WEG		V	400	PH	3	Hz	50	
33	NO. OF POLES		2		V	230	PH	1	Hz	50	
34	DRIVE		DIRECT		COOLING MEDIUM :				AIR		
35			NOTE 1		TEMPERATURE:				AMBIENT		
36	COOLING METHOD		TEFC		PRESSURE:				AMBIENT		
37	SITE CONDITIONS				WEIGHTS AND DIMENSIONS						
38	ELEVATION	m	<1000		COMPRESSOR	kg	2568				
39	AMB. TEMPERATURE	°C	5-48		DRIVER	kg	2141				
40	AMB. PRESSURE	bar(g)	0		MISCELLANEOUS	kg	4141				
41	REL. HUMIDITY	%	65-100		TOTAL	kg	+/- 8850				
42	AREA CLASSIFICATION		Safe area								
43	NOISE LIMITATION	dBA	85		SIZE	mm	L X W X H	5500 X 1700 X 1880			
44											
45											
46	BEARING HOUSING										
47	CASING				TYPE		ANTI-FRICTION				
48	MATERIAL		EN-GJL-250 / ASTM A48 Class 40		BALL / ROLLER		ROLLER				
49	COOLING		AIR-COOLED								
50	DRIVE DIRECTION		CW		LUBRICATION						
51					LUBE SYSTEM :		FORCED LUBRICATION, AIR COOLED				
52					LUBE OIL PUMP DRIVE :		kW	SHAFT DRIVEN			
53	ROTORS				SYSTEM OIL CAPACITY		L	30			
54	NO. OF LOBES MALE		3		LUBE OIL COOLER		AIR-COOLED				
55	NO. OF LOBES FEMALE		4		LUBE OIL FILTER		INCLUDED				
56	MATERIAL		C45N / ASTM A29 Grade 1045		THERMOSTATIC VALVE		YES				
57											
58	TIMING GEARS				STANDARDS AND SPECIFICATIONS						
59	MATERIAL		16 Mn Cr5 / ASTM A29 Grade 5115		Compressor: Mfr. Std.						
60	TYPE		HELICAL, TEETH HARDENED								
61	SEALING				INSTRUMENTATION						
62	SHAFT SEALING TYPE		LABYRINTH		FUNCTION			TYPE(S)			
63					COMPRESSOR INLET PRESSURE			GAUGE & TRANSMITTER			
64	SKID / COMPRESSOR CONNECTIONS (ASME B16.5)				COMPRESSOR DISCHARGE TEMPERATURE			TRANSMITTER			
65	NOZZLE	SIZE	RATING	FACING	POSITION	COMPRESSOR DISCHARGE PRESSURE			GAUGE & TRANSMITTER		
66						COMPRESSOR OIL TEMPERATURE			TRANSMITTER		
67						COMPRESSOR OIL PRESSURE			GAUGE & TRANSMITTER		
68	AIR DISCHARGE	10"	150#	RF	TOP	COMPRESSOR INLET FILTER DIFF.PRESSURE			TRANSMITTER		
69						COMPRESSOR OIL LEVEL			SIGHT GLASS		
70						MAIN MOTOR TEMPERATURE (BEARINGS AND WINDINGS)					RTD
71	NOTES : 1. FOR MORE INFORMATION ABOUT THE DRIVER REFER TO MOTOR DATASHEET										
72											



300 KT polyethylene plant project (ASPC)



DATE: 29/04/2026

DOC NO.: 23383-11B COMPRESSOR DATA SHEET

REV. 05

PAGE: 4 of 6

1	VENDOR (COMPRESSOR): Airpack Netherlands B.V.			REFERENCE:	23383-COM		
2	TYPE / MODEL: Aerzen GM100S			SERIAL NO.:	T-2025-00808/00809		
3	SERVICE: Roots Blower			OPERATION:	Semi-Continuous		
4	QUANTITY: 2 (1+1)			ITEM NO.:	44C-80002A/B		
INLET CONDITIONS				PACKAGE SCOPE OF SUPPLY			
6	GAS HANDLED: Air			COMPRESSOR TYPE: Positive Displacement			
INLET CONDITIONS				DRIVER TYPE: MV motor			
8	PRESSURE	bar(g)	-0.01	COUPLING / GUARD: V-Belt / V-Belt guard			
9	TEMPERATURE	°C	5-48	RCU AND SAFETY SWITCHES FOR MOTORS: N/A			
10	REL. HUMIDITY	%	65-100	INTAKE FILTER / SILENCER: Included			
11	OPERATING DENSITY	kg/m3	1.1	INTERCOOLING: N/A			
12	MOLECULAR MASS	g/mol	28.97	AFTERCOOLER: N/A			
13	Cp/Cv		1.4				
14	Z		1				
	VISCOSITY	PaS	1.97*10A-5				
16	INLET FILTER DIFF. PRESS.	Mbar	10	AUTO CONDENSATE TRAP: N/A			
DISCHARGE CONDITIONS				AIR DRYER: N/A			
18	PRESSURE	bar(g)	0.97	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	CONNECTION		ANSI 10" 150# RF	VIBRATION MONITOR: N/A			
COMP. PERFORMANCE				INTERCONNECTING PIPEWORK & VALVES: N/A			
23	SPEED	rpm	2244	ACOUSTIC ENCLOSURE: Included			
24	ABSORBED POWER	kW	193	FOUNDATION BOLTS: Included			
25	TYPE		Positive Displacement	RECEIVER VESSELS: N/A			
26	DESIGN TEMP/PRESS	°C/bar(g)	-10-160 / 2.1	LIGHTING: N/A			
27	COMPRESSION RATIO		1.95	BASEPLATE: Included			
28	VOL. EFFICIENCY	%	96.7	FIRST OIL FILLING: Included			
	NOISE @ 1M	dBA	81				
DRIVER PERFORMANCE 44C-80002A/B-M1				UTILITY SUPPLIES			
30	OPERATING SPEED	rpm	1488	ELECTRICAL SUPPLY:			
31	RATING	kW	250	V	6000	PH	3 Hz 50
32	MANUFACTURER		WEG	V	400	PH	3 Hz 50
33	NO. OF POLES		4	V	230	PH	1 Hz 50
34	DRIVE		V-BELT	COOLING MEDIUM: AIR			
35			NOTE 1	TEMPERATURE: AMBIENT			
36	COOLING METHOD		TEFC	PRESSURE: AMBIENT			
SITE CONDITIONS				WEIGHTS AND DIMENSIONS			
38	ELEVATION	m	<1000	BLOWER	kg	1008	
39	AMB. TEMPERATURE	°C	5-48	DRIVER	kg	2235	
40	AMB. PRESSURE	bar(g)	0	MISCELLANEOUS	kg	1017	
41	REL. HUMIDITY	%	65-100	TOTAL	kg	+/- 4260	
42	AREA CLASSIFICATION		Safe area				
43	NOISE LIMITATION	dBA	85	SIZE	mm	L X W X H	3000 X 2350 X 2600
				BEARING HOUSING			
CASING				TYPE: ANTI-FRICTION			
48	MATERIAL		EN-GJL-250 / ASTM A48 Class 40	BALL / ROLLER: ROLLER			
49	COOLING		AIR-COOLED				
50	DRIVE DIRECTION		CW	LUBRICATION			
51				LUBE SYSTEM: OIL SPLASH LUBRICATION			
52				LUBE OIL PUMP DRIVE: kW N/A			
53				SYSTEM OIL CAPACITY: L 12.5			
ROTOR/SHAFT				THERMOSTATIC VALVE: N/A			
54	NO. OF LOBES MALE		3				
55	NO. OF LOBES FEMALE		3				
56	MATERIAL		EN-GJS-500-7 / ASTM A536 Grade 80-55-06				
TIMING GEARS				STANDARDS AND SPECIFICATIONS			
59	MATERIAL		16 Mn Cr5 / ASTM A29 Grade 5115	Blower: Mfr. Std.			
60	TYPE		HELICAL, TEETH HARDENED				
SEALING				INSTRUMENTATION			
62	SHAFT SEALING TYPE		RADIAL SEAL RING	FUNCTION		TYPE(S)	
63				BLOWER INLET PRESSURE		GAUGE & TRANSMITTER	
65	SKID / COMPRESSOR CONNECTIONS (ASME B16.5)			BLOWER INLET FILTER DIFF. PRESSURE		TRANSMITTER	
66	NOZZLE	SIZE	RATING	FACING	POSITION	BLOWER DISCHARGE TEMPERATURE TRANSMITTER	
67						BLOWER DISCHARGE PRESSURE GAUGE & TRANSMITTER	
68	AIR DISCHARGE	10"	150#	RF	SIDE	MAIN MOTOR TEMPERATURE (BEARINGS AND WINDINGS) RTD	
69							
70							
71	NOTES : 1: FOR MORE INFORMATION ABOUT THE DRIVER REFER TO MOTOR DATASHEET						

72



300 KT polyethylene plant project (ASPC)



DATE: 29/04/2026

DOC NO.: 23383-11B COMPRESSOR DATA SHEET

REV. 05

PAGE: 5 of 6

1	VENDOR (COMPRESSOR): Airpack Netherlands B.V.			REFERENCE :	23383-COM				
2	TYPE / MODEL: Aerzen VM140			SERIAL NO. :	T-2025-00810/00811				
3	SERVICE: Air compressor			OPERATION :	Continuous				
4	QUANTITY: 2 (1+1)			ITEM NO. :	44C-80004A/B				
5	INLET CONDITIONS				PACKAGE SCOPE OF SUPPLY				
6	GAS HANDLED: Air			COMPRESSOR TYPE:			Oil free screw		
7	INLET CONDITIONS				DRIVER TYPE: MV motor				
8	PRESSURE	bar(g)	-0.01	COUPLING / GUARD:			Flexible / Non-sparking		
9	TEMPERATURE	°C	5-48	RCU AND SAFETY SWITCHES FOR MOTORS:				N/A	
10	REL. HUMIDITY	%	65-100	INTAKE FILTER / SILENCER:				Included	
11	OPERATING DENSITY	kg/m3	1.1	INTERCOOLING:				N/A	
12	MOLECULAR MASS	g/mol	28.97	AFTERCOOLER:				N/A	
13	Cp/Cv		1.4	LUBE-OIL COOLER:				Air-cooled	
14	Z		1	LUBE-OIL FILTER:				Included	
15	VISCOSITY	PaS	1.97*10⁻⁵	AUTO CONDENSATE TRAP:				N/A	
16	INLET FILTER DIFF. PRESS.	Mbar	10	AIR DRYER:				N/A	
17	DISCHARGE CONDITIONS				NITROGEN GENERATOR:				N/A
18	PRESSURE	bar(g)	2.2	BLOW-OFF SILENCER:				N/A	
19	FLOW RATE	Nm ³ /h	7339	CONTROL PANEL:				LPS and Junction box	
20	TEMPERATURE	°C	205	VIBRATION MONITOR:				N/A	
21	CONNECTION		ANSI 10" 150# RF	INTERCONNECTING PIPEWORK & VALVES:				N/A	
22	COMP. PERFORMANCE				ACOUSTIC ENCLOSURE:				Included
23	SPEED	rpm	5860	FOUNDATION BOLTS:				Included	
24	ABSORBED POWER	kW	479	RECEIVER VESSELS:				N/A	
25	TYPE		Oil free screw	LIGHTING:				N/A	
26	DESIGN TEMP/PRESS	°C/bar(g)	-10-280 / 5	BASEPLATE:				Included	
27	COMPRESSION RATIO		3.17	FIRST OIL FILLING:				Included	
28	VOL. EFFICIENCY	%	96.5						
29	NOISE @ 1M	dBA	85						
29	DRIVER PERFORMANCE 44C-80004A/B-M1				UTILITY SUPPLIES				
30	OPERATING SPEED	rpm	2985	ELECTRICAL SUPPLY :					
31	RATING	kW	590	V	6000	PH	3 Hz 50		
32	MANUFACTURER		WEG	V	400	PH	3 Hz 50		
33	NO. OF POLES		2	V	230	PH	1 Hz 50		
34	DRIVE		DIRECT	COOLING MEDIUM :				AIR	
35			NOTE 1	TEMPERATURE:				AMBIENT	
36	COOLING METHOD		TEFC	PRESSURE:				AMBIENT	
37	SITE CONDITIONS				WEIGHTS AND DIMENSIONS				
38	ELEVATION	m	<1000	COMPRESSOR	kg	5298			
39	AMB. TEMPERATURE	°C	5-48	DRIVER	kg	4002			
40	AMB. PRESSURE	bar(g)	0	MISCELLANEOUS	kg	5700			
41	REL. HUMIDITY	%	65-100	TOTAL	kg	+/- 15000			
42	AREA CLASSIFICATION		Safe area						
43	NOISE LIMITATION	dBA	85	SIZE	mm	L X W X H	6000 X 2180 X 3413		
44									
45									
46					BEARING HOUSING				
47	CASING				TYPE: ANTI-FRICTION				
48	MATERIAL		EN-GJL-250 / ASTM A48 Class 40	BALL / ROLLER: ROLLER					
49	COOLING		AIR-COOLED						
50	DRIVE DIRECTION		CW	LUBRICATION					
51					LUBE SYSTEM :		FORCED LUBRICATION, AIR COOLED		
52					LUBE OIL PUMP DRIVE :		SHAFT DRIVEN		
53					SYSTEM OIL CAPACITY		L 65		
54	NO. OF LOBES MALE		4	LUBE OIL COOLER		AIR-COOLED			
55	NO. OF LOBES FEMALE		6	LUBE OIL FILTER		INCLUDED			
56	MATERIAL		C45N / ASTM A29 Grade 1045	THERMOSTATIC VALVE		YES			
57									
58	TIMING GEARS				STANDARDS AND SPECIFICATIONS				
59	MATERIAL		16 Mn Cr5 / ASTM A29 Grade 5115	Compressor: Mfr. Std.					
60	TYPE		HELICAL, TEETH HARDENED						
61	SEALING				INSTRUMENTATION				
62	SHAFT SEALING TYPE		LABYRINTH	FUNCTION			TYPE(S)		
63					COMPRESSOR INLET PRESSURE			GAUGE & TRANSMITTER	
64					COMPRESSOR DISCHARGE TEMPERATURE			TRANSMITTER	
65	SKID / COMPRESSOR CONNECTIONS (ASME B16.5)				COMPRESSOR DISCHARGE PRESSURE			GAUGE & TRANSMITTER	
66	NOZZLE	SIZE	RATING	FACING	POSITION	COMPRESSOR OIL TEMPERATURE			
67						TRANSMITTER			
68	AIR DISCHARGE	10"	150#	RF	TOP	COMPRESSOR OIL PRESSURE			
69						GAUGE & TRANSMITTER			
70						COMPRESSOR INLET FILTER DIFF.PRESSURE			
71						TRANSMITTER			
72						COMPRESSOR OIL LEVEL			
73						SIGHT GLASS			
74						MAIN MOTOR TEMPERATURE (BEARINGS AND WINDINGS)			
75						RTD			

NOTES : 1. FOR MORE INFORMATION ABOUT THE DRIVER REFER TO MOTOR DATASHEET



300 KT polyethylene plant project (ASPC)



DATE: 29/04/2026

DOC NO.: 23383-11B COMPRESSOR DATA SHEET

REV. 05

PAGE: 6 of 6

1	VENDOR (COMPRESSOR): Airpack Netherlands B.V.			REFERENCE :	23383-COM					
2	TYPE / MODEL: Aerzen VML95			SERIAL NO. :	T-2025-00812/00813/00814					
3	SERVICE: Air compressor			OPERATION :	Continuous					
4	QUANTITY: 3 (2+1)			ITEM NO. :	44C-80005A/B/C					
5	INLET CONDITIONS				PACKAGE SCOPE OF SUPPLY					
6	GAS HANDLED: Air			COMPRESSOR TYPE: Oil free screw						
7	INLET CONDITIONS				DRIVER TYPE: MV motor					
8	PRESSURE	bar(g)	-0.01	COUPLING / GUARD: Flexible / Non-sparking						
9	TEMPERATURE	°C	5-48	RCU AND SAFETY SWITCHES FOR MOTORS: N/A						
10	REL. HUMIDITY	%	65-100	INTAKE FILTER / SILENCER: Included						
11	OPERATING DENSITY	kg/m3	1.1	INTERCOOLING: N/A						
12	MOLECULAR MASS	g/mol	28.97	AFTERCOOLER: N/A						
13	Cp/Cv		1.4	LUBE-OIL COOLER: Air-cooled						
14	Z		1	LUBE-OIL FILTER: Included						
15	VISCOSITY	PaS	1.97*10⁻⁵	AUTO CONDENSATE TRAP: N/A						
16	INLET FILTER DIFF. PRESS.	Mbar	10	AIR DRYER: N/A						
17	DISCHARGE CONDITIONS				NITROGEN GENERATOR: N/A					
18	PRESSURE	bar(g)	1.41	BLOW-OFF SILENCER: N/A						
19	FLOW RATE	Nm³/h	4226	CONTROL PANEL: LPS and Junction box						
20	TEMPERATURE	°C	164	VIBRATION MONITOR: N/A						
21	CONNECTION		ANSI 10" 150# RF	INTERCONNECTING PIPEWORK & VALVES : N/A						
22	COMP. PERFORMANCE				ACOUSTIC ENCLOSURE: Included					
23	SPEED	rpm	6253	FOUNDATION BOLTS: Included						
24	ABSORBED POWER	kW	189	RECEIVER VESSELS: N/A						
25	TYPE		Oil free screw	LIGHTING: N/A						
26	DESIGN TEMP/PRESS	°C/bar(g)	-10-230 / 3.2	BASEPLATE: Included						
27	COMPRESSION RATIO		2.39	FIRST OIL FILLING: Included						
28	VOL. EFFICIENCY	%	96.6							
29	NOISE @ 1M	dBA	78							
29	DRIVER PERFORMANCE 44C-80005A/B/C-M1				UTILITY SUPPLIES					
30	OPERATING SPEED	rpm	2980	ELECTRICAL SUPPLY :						
31	RATING	kW	250	V	6000	PH	3	Hz	50	
32	MANUFACTURER		WEG	V	400	PH	3	Hz	50	
33	NO. OF POLES		2	V	230	PH	1	Hz	50	
34	DRIVE		DIRECT	COOLING MEDIUM : AIR						
35			NOTE 1	TEMPERATURE: AMBIENT						
36	COOLING METHOD		TEFC	PRESSURE: AMBIENT						
37	SITE CONDITIONS				WEIGHTS AND DIMENSIONS					
38	ELEVATION	m	<1000	COMPRESSOR	kg	2568				
39	AMB. TEMPERATURE	°C	5-48	DRIVER	kg	2141				
40	AMB. PRESSURE	bar(g)	0	MISCELLANEOUS	kg	4141				
41	REL. HUMIDITY	%	65-100	TOTAL	kg	+/- 8850				
42	AREA CLASSIFICATION		Safe area							
43	NOISE LIMITATION	dBA	85	SIZE	mm	L X W X H	5500 X 1700 X 1880			
44										
45										
46	BEARING HOUSING									
47	CASING				TYPE: ANTI-FRICTION					
48	MATERIAL		EN-GJL-250 / ASTM A48 Class 40	BALL / ROLLER: ROLLER						
49	COOLING		AIR-COOLED							
50	DRIVE DIRECTION		CW	LUBRICATION						
51				LUBE SYSTEM :		FORCED LUBRICATION, AIR COOLED				
52				LUBE OIL PUMP DRIVE :		SHAFT DRIVEN				
53				SYSTEM OIL CAPACITY		L 30				
54	NO. OF LOBES MALE		3	LUBE OIL COOLER		AIR-COOLED				
55	NO. OF LOBES FEMALE		4	LUBE OIL FILTER		INCLUDED				
56	MATERIAL		C45N / ASTM A29 Grade 1045	THERMOSTATIC VALVE		YES				
57										
58	TIMING GEARS				STANDARDS AND SPECIFICATIONS					
59	MATERIAL		16 Mn Cr5 / ASTM A29 Grade 5115	Compressor: Mfr. Std.						
60	TYPE		HELICAL, TEETH HARDENED							
61	SEALING				INSTRUMENTATION					
62	SHAFT SEALING TYPE		LABYRINTH	FUNCTION			TYPE(S)			
63	CONVEYING CHAMBER SEAL TYPE		PISTON RING LABYRINTH	COMPRESSOR INLET PRESSURE				GAUGE & TRANSMITTER		
65	SKID / COMPRESSOR CONNECTIONS (ASME B16.5)				COMPRESSOR DISCHARGE TEMPERATURE				TRANSMITTER	
66	NOZZLE	SIZE	RATING	FACING	POSITION	COMPRESSOR DISCHARGE PRESSURE			GAUGE & TRANSMITTER	
67							COMPRESSOR OIL TEMPERATURE			TRANSMITTER
68	AIR DISCHARGE	10"	150#	RF	TOP	COMPRESSOR OIL PRESSURE			GAUGE & TRANSMITTER	
69							COMPRESSOR INLET FILTER DIFF.PRESSURE			TRANSMITTER
70							COMPRESSOR OIL LEVEL			SIGHT GLASS
70							MAIN MOTOR TEMPERATURE (BEARINGS AND WINDINGS)			RTD
71	NOTES : 1: FOR MORE INFORMATION ABOUT THE DRIVER REFER TO MOTOR DATASHEET									
72										