



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="text"/>	<input type="text"/>
<input type="checkbox"/>	Code 2 Comments As Noted - Work May proceed, subject to compliance with and incorporation of comments	<input type="text"/>	<input type="text"/>
<input type="checkbox"/>	Code 3 No Comments - Work may proceed.	<input type="text"/>	<input type="text"/>
<input type="checkbox"/>	Code 4 Information only - Review not required.	<input type="text"/>	<input type="text"/>

04	Issued for Approval	13-04-2026	SC	KP	JJ
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Rev. No.	Description	Date	Prepared by	Checked by	Approved by



300 KT polyethylene plant project (ASPC)



DATE: 13/04/2026

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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)



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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	
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)	COUPLING / GUARD:		Flexible / Non-sparking
9	TEMPERATURE	°C	RCU AND SAFETY SWITCHES FOR MOTORS: N/A		
10	REL. HUMIDITY	%	INTAKE FILTER / SILENCER: Included		
11	OPERATING DENSITY	kg/m3	INTERCOOLING: N/A		
12	MOLECULAR MASS	g/mol	AFTERCOOLER: N/A		
13	Cp/Cv	1.4	LUBE-OIL COOLER: Air-cooled		
14	Z	1	LUBE-OIL FILTER: Included		
16	VISCOSITY	PaS	1.97*10 ⁻⁵		AUTO CONDENSATE TRAP: N/A
16	INLET FILTER DIFF. PRESS.	Mbar	10		
DISCHARGE CONDITIONS			AIR DRYER: N/A		
18	PRESSURE	bar(g)	1.46		
19	FLOW RATE	Nm³/h	4247		
20	TEMPERATURE	°C	167		
21	CONNECTION	ANSI 10" 150# RF			
COMP. PERFORMANCE			NITROGEN GENERATOR: N/A		
23	SPEED	rpm	6253		
24	ABSORBED POWER	kW	195		
25	TYPE	Oil free screw			
26	DESIGN TEMP/PRESS	°C/bar(g)	-10-230 / 3.2		
27	COMPRESSION RATIO	2.44			
28	VOL. EFFICIENCY	%	96.6		
29	NOISE @ 1M	dBA	78		
DRIVER PERFORMANCE 44C-80001A/B-M1			UTILITY SUPPLIES		
30	OPERATING SPEED	rpm	2980		
31	RATING	kW	250		
32	MANUFACTURER	WEG		V	400
33	NO. OF POLES	2		PH	3
34	DRIVE	DIRECT		Hz	50
35	COOLING METHOD	TEFC		PH	3
36	COOLING METHOD	TEFC		Hz	50
SITE CONDITIONS			WEIGHTS AND DIMENSIONS		
38	ELEVATION	m	<1000		
39	AMB. TEMPERATURE	°C	5-48		
40	AMB. PRESSURE	bar(g)	0		
41	REL. HUMIDITY	%	65-100		
42	AREA CLASSIFICATION	Safe area			
43	NOISE LIMITATION	dBA	85		
			COMPRESSOR	kg	2568
			DRIVER	kg	2141
			MISCELLANEOUS	kg	4141
			TOTAL	kg	+/- 8850
			SIZE	mm	L X W X H 5500 X 1700 X 1880
			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 :		FORCED LUBRICATION, AIR COOLED
52			LUBE OIL PUMP DRIVE :		SHAFT DRIVEN
53			SYSTEM OIL CAPACITY		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	
TIMING GEARS			STANDARDS AND SPECIFICATIONS		
59	MATERIAL	16 Mn Cr5 / ASTM A29 Grade 5115		Compressor: Mfr. Std.	
60	TYPE	HELICAL, TEETH HARDENED			
SEALING			INSTRUMENTATION		
62	SHAFT SEALING TYPE	LABYRINTH		FUNCTION	
63					TYPE(S)
65	SKID / COMPRESSOR CONNECTIONS (ASME B16.5)			COMPRESSOR INLET PRESSURE	
66	NOZZLE	SIZE	RATING	FACING	POSITION
67	AIR DISCHARGE	10"	150#	RF	TOP
68				COMPRESSOR DISCHARGE TEMPERATURE	
69				COMPRESSOR DISCHARGE PRESSURE	
70				COMPRESSOR OIL TEMPERATURE	
71				COMPRESSOR OIL PRESSURE	
72				COMPRESSOR INLET FILTER DIFF.PRESSURE	
73				COMPRESSOR OIL LEVEL	
74				MAIN MOTOR TEMPERATURE (BEARINGS AND WINDINGS)	

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



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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				
5	INLET CONDITIONS				PACKAGE SCOPE OF SUPPLY				
6	GAS HANDLED: Air			COMPRESSOR TYPE: Positive Displacement					
7	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						
15	VISCOSITY	PaS	1.97*10A-5						
16	INLET FILTER DIFF. PRESS.	Mbar	10	AUTO CONDENSATE TRAP: N/A					
17	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					
22	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					
29	NOISE @ 1M	dBA	81						
29	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					
37	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	497			
41	REL. HUMIDITY	%	65-100	TOTAL	kg	+/- 3740			
42	AREA CLASSIFICATION		Safe area						
43	NOISE LIMITATION	dBA	85	SIZE	mm	L X W X H	3000 X 2350 X 2600		
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:		OIL SPLASH LUBRICATION		
52					LUBE OIL PUMP DRIVE:		kW	N/A	
53					SYSTEM OIL CAPACITY		L	12.5	
54	NO. OF LOBES MALE		3						
55	NO. OF LOBES FEMALE		3						
56	MATERIAL		EN-GJS-500-7 / ASTM A536 Grade 80-55-06	THERMOSTATIC VALVE			N/A		
57									
58	TIMING GEARS				STANDARDS AND SPECIFICATIONS				
59	MATERIAL		16 Mn Cr5 / ASTM A29 Grade 5115	Blower: Mfr. Std.					
60	TYPE		HELICAL, TEETH HARDENED						
61	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								
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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							
16	INLET FILTER DIFF. PRESS.	Mbar	10		AUTO CONDENSATE TRAP:	N/A				
17	DISCHARGE CONDITIONS				AIR DRYER:	N/A				
18	PRESSURE	bar(g)	2.2		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	CONNECTION		ANSI 10" 150# RF		VIBRATION MONITOR:	N/A				
22	COMP. PERFORMANCE				INTERCONNECTING PIPEWORK & VALVES:	N/A				
23	SPEED	rpm	5860		ACOUSTIC ENCLOSURE:	Included				
24	ABSORBED POWER	kW	479		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		3.17		BASEPLATE:	Included				
28	VOL. EFFICIENCY	%	96.5		FIRST OIL FILLING:	Included				
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 :					
35			NOTE 1		TEMPERATURE:					
36	COOLING METHOD		TEFC		PRESSURE:					
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	4700			
41	REL. HUMIDITY	%	65-100		TOTAL	kg	+/- 14000			
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 :	kW	SHAFT DRIVEN			
53	ROTORS				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	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	AIR DISCHARGE	10"	150#	RF	TOP	COMPRESSOR OIL PRESSURE			GAUGE & TRANSMITTER	
68						COMPRESSOR INLET FILTER DIFF.PRESSURE			TRANSMITTER	
69						COMPRESSOR OIL LEVEL			SIGHT GLASS	
70						MAIN MOTOR TEMPERATURE (BEARINGS AND WINDINGS)			RTD	

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



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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										