



# ASPC Project



<b>END CUSTOMER</b>	: Arya Sasol Polymer Company
<b>CONTRACTOR</b>	: DYPNF Co., Ltd.
<b>VENDOR NAME</b>	: Airpack Netherlands BV
<b>EQUIPMENT DESCRIPTION</b>	: Screw Compressor & Roots Blower
<b>PURCHASE ORDER NUMBER</b>	: 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"/>	<b>Code 1</b> <b>REJECTED</b> - Vendor to revise and Resubmit. Work cannot proceed		
<input type="checkbox"/>	<b>Code 2</b> Comments As Noted - Work May proceed, subject to compliance with and incorporation of comments		
<input type="checkbox"/>	<b>Code 3</b> No Comments - Work may proceed.		
<input type="checkbox"/>	<b>Code 4</b> Information only - Review not required.		

01	Issued for Approval	15-05-2025	SC	KP	JJ
00	Issued for Approval	18-03-2025	SC	KP	JJ
Rev. No.	Description	Date	Prepared by	Checked by	Approved by



## 300 KT polyethylene plant project (ASPC)



DATE: 15-5-2025

DOC NO.: 23383-11B COMPRESSOR DATA SHEET

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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)								
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 <sup>-5</sup>		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	Nm³/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	%	TBD		FIRST OIL FILLING	Included				
	NOISE @ 1M	dBA	80							
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	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					PRESSURE:	AMBIENT				
37	SITE CONDITIONS				WEIGHTS AND DIMENSIONS					
38	ELEVATION	m	<1000		COMPRESSOR	kg	3716			
39	AMB. TEMPERATURE	°C	5-48		DRIVER	kg	4100			
40	AMB. PRESSURE	bar(g)	0		MISCELLANEOUS	kg	TBD			
41	REL. HUMIDITY	%	65-100		TOTAL	kg	+/-12000			
42	AREA CLASSIFICATION		Zone 2 group IIB, T3							
43	NOISE LIMITATION	dBA	85		SIZE	mm	L X W X H	TBD		
44										
45										
46	CASING				BEARING HOUSING					
47	MATERIAL				TYPE					
48	EN-GJL-250			ANTI-FRICTION						
49	AIR-COOLED			BALL / ROLLER						
49	COOLING	AIR-COOLED			ROLLER					
50	DRIVE DIRECTION	CW			LUBRICATION					
51					LUBE SYSTEM :	FORCED, GEAR PUMP				
52					LUBE OIL PUMP DRIVE :	kW	DRIVEN BY GEARBOX			
53	ROTORS				SYSTEM OIL CAPACITY	L	TBD			
54	NO. OF LOBES MALE		4		LUBE OIL COOLER	AIR-COOLED				
55	NO. OF LOBES FEMALE		6		LUBE OIL FILTER	INCLUDED				
56	MATERIAL	C45N			THERMOSTATIC VALVE	YES				
57										
58	TIMING GEARS				STANDARDS AND SPECIFICATIONS					
59	MATERIAL	16 Mn Cr5			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 (ANSI)				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 3944-VD-0171-DYP-RE-400-LST-0004									
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## 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)		
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	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/m <sup>3</sup> 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 <sup>-5</sup>		
16	INLET FILTER DIFF. PRESS.	Mbar 10	AUTO CONDENSATE TRAP :	N/A
17	DISCHARGE CONDITIONS		AIR DRYER :	N/A
18	PRESSURE	bar(g) 1,46	NITROGEN GENERATOR :	N/A
19	FLOW RATE	Nm <sup>3</sup> /h 4247	BLOW-OFF SILENCER :	N/A
20	TEMPERATURE	°C 167	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 6253	ACOUSTIC ENCLOSURE :	Included
24	ABSORBED POWER	kW 195	FOUNDATION BOLTS :	Included
25	TYPE	Oil free screw	RECEIVER VESSELS :	N/A
26	DESIGN TEMP/PRESS	°C/bar(g) -10-230 / 3.2	LIGHTING :	N/A
27	COMPRESSION RATIO	2,44	BASEPLATE :	Included
28	VOL. EFFICIENCY	% TBD	FIRST OIL FILLING :	Included
29	NOISE @ 1M	dBA 78		
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 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			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 TBD
41	REL. HUMIDITY	% 65-100	TOTAL	kg TBD
42	AREA CLASSIFICATION	Safe area		
43	NOISE LIMITATION	dBA 85	SIZE	mm L X W X H TBD
44				
45				
46	CASING		BEARING HOUSING	
47			TYPE	ANTI-FRICTION
48	MATERIAL	EN-GJL-250	BALL / ROLLER	ROLLER
49	COOLING	AIR-COOLED		
50	DRIVE DIRECTION	CW	LUBRICATION	
51			LUBE SYSTEM :	FORCED, GEAR PUMP
52			LUBE OIL PUMP DRIVE :	kW DRIVEN BY GEARBOX
53	ROTORS		SYSTEM OIL CAPACITY	L TBD
54	NO. OF LOBES MALE	3	LUBE OIL COOLER	AIR-COOLED
55	NO. OF LOBES FEMALE	4	LUBE OIL FILTER	INCLUDED
56	MATERIAL	C45N	THERMOSTATIC VALVE	YES
57				
58	TIMING GEARS		STANDARDS AND SPECIFICATIONS	
59	MATERIAL	16 Mn Cr5	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
64	SKID / COMPRESSOR CONNECTIONS		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

71 NOTES : 1. FOR MORE INFORMATION ABOUT THE DRIVER REFER TO 3944-VD-0171-DYP-RE-400-LST-0004

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## 300 KT polyethylene plant project (ASPC)



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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 :	Continuous	
4	QUANTITY	2 (1+1)			
5	INLET CONDITIONS			PACKAGE SCOPE OF SUPPLY	
6	GAS HANDLED	Air	COMPRESSOR TYPE :	Positive Displacement	
7	INLET CONDITIONS			DRIVER TYPE :	
8	PRESSURE	bar(g)	0	COUPLING / GUARD :	
9	TEMPERATURE	°C	5-48	V-Belt	
10	REL. HUMIDITY	%	65-100	RCU AND SAFETY SWITCHES FOR MOTORS :	
11	OPERATING DENSITY	kg/m3	1,1	N/A	
12	MOLECULAR MASS	g/mol	28,97	INTAKE FILTER / SILENCER :	
13	Cp/Cv		1,4	Included	
14	Z		1	INTERCOOLING :	
15	VISCOSITY	PaS	1.97*10 <sup>-5</sup>	N/A	
16	INLET FILTER DIFF. PRESS.	Mbar	10	AFTERCOOLER :	
17	DISCHARGE CONDITIONS			LUBE-OIL COOLER :	
18	PRESSURE	bar(g)	0,97	Air-cooled	
19	FLOW RATE	Nm³/h	4266	LUBE-OIL FILTER :	
20	TEMPERATURE	°C	154	Included	
21	CONNECTION		ANSI 10" 150# RF	AUTO CONDENSATE TRAP :	
22	COMP. PERFORMANCE			N/A	
23	SPEED	rpm	2244	AIR DRYER :	
24	ABSORBED POWER	kW	193	N/A	
25	TYPE		Positive Displacement	NITROGEN GENERATOR :	
26	DESIGN TEMP/PRESS	°C/bar(g)	-10-155 / 2.1	N/A	
27	COMPRESSION RATIO		1,95	BLOW-OFF SILENCER :	
28	VOL. EFFICIENCY	%	TBD	N/A	
29	NOISE @ 1M	dBA	81	CONTROL PANEL :	
30	DRIVER PERFORMANCE			LPS and Junction box	
31	OPERATING SPEED	rpm	1488	VIBRATION MONITOR :	
32	RATING	kW	250	N/A	
33	MANUFACTURER		WEG	INTERCONNECTING PIPEWORK & VALVES :	
34	NO. OF POLES		4	N/A	
35	DRIVE		V-BELT	ACOUSTIC ENCLOSURE :	
36			NOTE 1	Included	
37	SITE CONDITIONS			FOUNDATION BOLTS :	
38	ELEVATION	m	<1000	Included	
39	AMB. TEMPERATURE	°C	5-48	RECEIVER VESSELS :	
40	AMB. PRESSURE	bar(g)	0	N/A	
41	REL. HUMIDITY	%	65-100	LIGHTING :	
42	AREA CLASSIFICATION		Safe area	N/A	
43	NOISE LIMITATION	dBA	85	BASEPLATE :	
44				Included	
45				FIRST OIL FILLING :	
46	BEARING HOUSING			Included	
47	CASING			UTILITY SUPPLIES	
48	MATERIAL		EN-GJL-200	ELECTRICAL SUPPLY :	
49	COOLING		AIR-COOLED	V 6000 PH 3 Hz 50	
50	DRIVE DIRECTION		CW	V 400 PH 3 Hz 50	
51				V 230 PH 1 Hz 50	
52				COOLING MEDIUM :	
53				AIR	
54				TEMPERATURE :	
55				AMBIENT	
56				PRESSURE :	
57				AMBIENT	
58				WEIGHTS AND DIMENSIONS	
59				BLOWER	
60				kg 1408	
61				DRIVER	
62				kg 2235	
63				MISCELLANEOUS	
64				kg TBD	
65				TOTAL	
66				kg TBD	
67				SIZE	
68				mm L X W X H TBD	
69					
70					
71					
72					

71 NOTES : 1. FOR MORE INFORMATION ABOUT THE DRIVER REFER TO 3944-VD-0171-DYP-RE-400-LST-0004

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## 300 KT polyethylene plant project (ASPC)



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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)		
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	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 <sup>-5</sup>		
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	% TBD	FIRST OIL FILLING	Included
29	NOISE @ 1M	dBA 85		
29	DRIVER PERFORMANCE		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			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 TBD
41	REL. HUMIDITY	% 65-100	TOTAL	kg TBD
42	AREA CLASSIFICATION	Safe area		
43	NOISE LIMITATION	dBA 85	SIZE	mm L X W X H TBD
44				
45				
46	CASING		BEARING HOUSING	
47			TYPE	ANTI-FRICTION
48	MATERIAL	EN-GJL-250	BALL / ROLLER	ROLLER
49	COOLING	AIR-COOLED		
50	DRIVE DIRECTION	CW	LUBRICATION	
51			LUBE SYSTEM :	FORCED, GEAR PUMP
52			LUBE OIL PUMP DRIVE :	kW DRIVEN BY GEARBOX
53	ROTORS		SYSTEM OIL CAPACITY	L TBD
54	NO. OF LOBES MALE	4	LUBE OIL COOLER	AIR-COOLED
55	NO. OF LOBES FEMALE	6	LUBE OIL FILTER	INCLUDED
56	MATERIAL	C45N	THERMOSTATIC VALVE	YES
57				
58	TIMING GEARS		STANDARDS AND SPECIFICATIONS	
59	MATERIAL	16 Mn Cr5	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
64	SKID / COMPRESSOR CONNECTIONS		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

71 NOTES : 1: FOR MORE INFORMATION ABOUT THE DRIVER REFER TO 3944-VD-0171-DYP-RE-400-LST-0004

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## 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-2025-00812/00813/00814	
3	SERVICE	Air compressor	OPERATION :	Continuous	
4	QUANTITY	3 (2+1)			
5	INLET CONDITIONS			PACKAGE SCOPE OF SUPPLY	
6	GAS HANDLED	Air	COMPRESSOR TYPE :	Oil free screw	
7	INLET CONDITIONS			DRIVER TYPE :	
8	PRESSURE	bar(g)	0	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/m <sup>3</sup>	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 <sup>-5</sup>		
16	INLET FILTER DIFF. PRESS.	Mbar	10	AUTO CONDENSATE TRAP :	N/A
17	DISCHARGE CONDITIONS			AIR DRYER :	
18	PRESSURE	bar(g)	1,41	NITROGEN GENERATOR :	N/A
19	FLOW RATE	Nm <sup>3</sup> /h	4226	BLOW-OFF SILENCER :	N/A
20	TEMPERATURE	°C	164	CONTROL PANEL :	LPS and Junction box
21	CONNECTION		ANSI 10" 150# RF	VIBRATION MONITOR :	N/A
22	COMP. PERFORMANCE			INTERCONNECTING PIPEWORK & VALVES :	
23	SPEED	rpm	6253	ACOUSTIC ENCLOSURE :	Included
24	ABSORBED POWER	kW	189	FOUNDATION BOLTS :	Included
25	TYPE		Oil free screw	RECEIVER VESSELS :	N/A
26	DESIGN TEMP/PRESS	°C/bar(g)	-10-230 / 3.2	LIGHTING :	N/A
27	COMPRESSION RATIO		2,39	BASEPLATE :	Included
28	VOL. EFFICIENCY	%	TBD	FIRST OIL FILLING :	Included
29	NOISE @ 1M	dBA	78		
29	DRIVER PERFORMANCE			UTILITY SUPPLIES	
30	OPERATING SPEED	rpm	2980	ELECTRICAL SUPPLY :	
31	RATING	kW	250	V	6000
32	MANUFACTURER		WEG	PH	3
33	NO. OF POLES		2	Hz	50
34	DRIVE		DIRECT	V	400
35			NOTE 1	PH	3
36				Hz	50
37				V	230
38				PH	1
39				Hz	50
37	SITE CONDITIONS			WEIGHTS AND DIMENSIONS	
38	ELEVATION	m	<1000	COMPRESSOR	kg
39	AMB. TEMPERATURE	°C	5-48	DRIVER	kg
40	AMB. PRESSURE	bar(g)	0	MISCELLANEOUS	kg
41	REL. HUMIDITY	%	65-100	TOTAL	kg
42	AREA CLASSIFICATION		Safe area		TBD
43	NOISE LIMITATION	dBA	85	SIZE	mm
44				L X W X H	TBD
45					
46					
47	CASING			BEARING HOUSING	
48	MATERIAL		EN-GJL-250	TYPE	ANTI-FRICTION
49	COOLING		AIR-COOLED	BALL / ROLLER	ROLLER
50	DRIVE DIRECTION		CW	LUBRICATION	
51				LUBE SYSTEM :	FORCED, GEAR PUMP
52				LUBE OIL PUMP DRIVE :	DRIVEN BY GEARBOX
53	ROTORS			SYSTEM OIL CAPACITY	L
54	NO. OF LOBES MALE		3	LUBE OIL COOLER	AIR-COOLED
55	NO. OF LOBES FEMALE		4	LUBE OIL FILTER	INCLUDED
56	MATERIAL		C45N	THERMOSTATIC VALVE	YES
57					
58	TIMING GEARS			STANDARDS AND SPECIFICATIONS	
59	MATERIAL		16 Mn Cr5	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
64	SKID / COMPRESSOR CONNECTIONS			COMPRESSOR DISCHARGE TEMPERATURE	TRANSMITTER
65	NOZZLE	SIZE	RATING	COMPRESSOR DISCHARGE PRESSURE	GAUGE & TRANSMITTER
66				COMPRESSOR OIL TEMPERATURE	TRANSMITTER
67	AIR DISCHARGE	10"	150#	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

71 NOTES : 1: FOR MORE INFORMATION ABOUT THE DRIVER REFER TO 3944-VD-0171-DYP-RE-400-LST-0004

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