



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



300 KT polyethylene plant project (ASPC)



DATE: 18-03-2025

DOC NO.: 23383-11B COMPRESSOR DATA SHEET

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1	VENDOR (COMPRESSOR)	Airpack Netherlands B.V.			REFERENCE :	23383-COM				
2	TYPE / MODEL :	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:					
10	PRESSURE	bar(a)	1,063		INTAKE FILTER / SILENCER:	Included				
11	TEMPERATURE	°C	48		INTERCOOLING:	N/A				
12	REL. HUMIDITY	%	0		AFTERCOOLER:	N/A				
13	CONNECTION	ANSI 12" 150# RF			LUBE-OIL COOLER:	Air-cooled				
14	INLET FILTER DIFF. PRESS.	MBAR	-		LUBE-OIL FILTER:	Included				
16					AUTO CONDENSATE TRAP:	N/A				
17	DISCHARGE CONDITIONS				AIR DRYER:					
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	CONNECTION	ANSI 10" 150# RF			VIBRATION MONITOR:	N/A				
22					INTERCONNECTING PIPEWORK & VALVES :	N/A				
23					ACOUSTIC ENCLOSURE:	Included				
24	COMP. PERFORMANCE				FOUNDATION BOLTS:					
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	NO. OF POLES	2			V	230	PH	1	Hz	50
34	DRIVE	DIRECT			COOLING MEDIUM :					
35					TEMPERATURE:					
36					PRESSURE:					
37	SITE CONDITIONS				WEIGHTS AND DIMENSIONS					
38	ELEVATION	m		<1000	COMPRESSOR	kg		TBD		
39	AMB. TEMPERATURE	°C		5-48	DRIVER	kg		4100		
40	AMB. PRESSURE	bar(a)		1,013	MISCELLANEOUS	kg		TBD		
41	REL. HUMIDITY	% 65-100			TOTAL	kg		+/-12000		
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	MATERIAL	EN-GJL-250			TYPE					
48	COOLING	AIR-COOLED			BALL / ROLLER					
49	DRIVE DIRECTION	CW			ROLLER					
50					LUBRICATION					
51					LUBE SYSTEM :					
52					LUBE OIL PUMP DRIVE :					
53					SYSTEM OIL CAPACITY					
54	NO. OF LOBES MALE	4			LUBE OIL COOLER					
55	NO. OF LOBES FEMALE	6			LUBE OIL FILTER					
56	MATERIAL	C45N			THERMOSTATIC VALVE					
57										
58	TIMING GEARS				STANDARDS AND SPECIFICATIONS					
59	MATERIAL	16 Mn Cr5								
60	TYPE	HELICAL, TEETH HARDENED								
61	SHAFT SEALING				INSTRUMENTATION					
62	TYPE	LABYRINTH SEAL			FUNCTION		TYPE(S)			
63					COMPRESSOR INLET PRESSURE		GAUGE & TRANSMITTER			
65	SKID / COMPRESSOR CONNECTIONS				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					MAIN MOTOR TEMPERATURE (BEARINGS AND WINDINGS)		RTD			
71	NOTES :									
72										



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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: Included	
11	TEMPERATURE °C : 5-48	INTERCOOLING: N/A	
12	REL. HUMIDITY % : 65-100	AFTERCOOLER: N/A	
13	CONNECTION : N/A (Inlet filter)	LUBE-OIL COOLER: Air-cooled	
14	INLET FILTER DIFF. PRESS. mBAR : 10	LUBE-OIL FILTER: Included	
16		AUTO CONDENSATE TRAP: N/A	
17	DISCHARGE CONDITIONS		AIR DRYER: N/A
18	PRESSURE bar(a) : 2,473	NITROGEN GENERATOR: N/A	
19	FLOW RATE Nm³/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		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 : 195	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	NO. OF POLES : 2	V 230	PH 1 Hz 50
34	DRIVE : DIRECT	COOLING MEDIUM : AIR	
35		TEMPERATURE: AMBIENT	
36		PRESSURE: AMBIENT	
37	SITE CONDITIONS		WEIGHTS AND DIMENSIONS
38	ELEVATION m : <1000	COMPRESSOR kg : TBD	
39	AMB. TEMPERATURE °C : 5-48	DRIVER kg : 2141	
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	SIZE mm L X W X H : TBD	
44			
45			
46	BEARING HOUSING		
47	CASING		TYPE N/A
48	MATERIAL : EN-GJL-250	BALL / ROLLER : ROLLER	
49	COOLING : AIR-COOLED		
50	DRIVE DIRECTION : CW	LUBRICATION	
51		LUBE SYSTEM :	FORCED
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		
60	TYPE : HELICAL, TEETH HARDENED		
61	SHAFT SEALING		INSTRUMENTATION
62	TYPE : LABYRINTH SEAL	FUNCTION	TYPE(S)
63		COMPRESSOR INLET PRESSURE	GAUGE & TRANSMITTER
65	SKID / COMPRESSOR CONNECTIONS		COMPRESSOR INLET FILTER DIFF. PRESSURE
66	NOZZLE	SIZE	RATING
67			FACING
68			POSITION
66	NOZZLE	SIZE	RATING
67			FACING
68			POSITION
68	AIR DISCHARGE	10"	150#
69			RF
70			TOP
66	NOZZLE	SIZE	RATING
67			FACING
68			POSITION
68	AIR DISCHARGE	10"	150#
69			RF
70			TOP
66	NOZZLE	SIZE	RATING
67			FACING
68			POSITION
68	AIR DISCHARGE	10"	150#
69			RF
70			TOP
66	NOZZLE	SIZE	RATING
67			FACING
68			POSITION
68	AIR DISCHARGE	10"	150#
69			RF
70			TOP
66	NOZZLE	SIZE	RATING
67			FACING
68			POSITION
68	AIR DISCHARGE	10"	150#
69			RF
70			TOP
66	NOZZLE	SIZE	RATING
67			FACING
68			POSITION
68	AIR DISCHARGE	10"	150#
69			RF
70			TOP
66	NOZZLE	SIZE	RATING
67			FACING
68			POSITION
68	AIR DISCHARGE	10"	150#
69			RF
70			TOP
66	NOZZLE	SIZE	RATING
67			FACING
68			POSITION
68	AIR DISCHARGE	10"	150#
69			RF
70			TOP
66	NOZZLE	SIZE	RATING
67			FACING
68			POSITION
68	AIR DISCHARGE	10"	150#
69			RF
70			TOP
66	NOZZLE	SIZE	RATING
67			FACING
68			POSITION
68	AIR DISCHARGE	10"	150#
69			RF
70			TOP
66	NOZZLE	SIZE	RATING
67			FACING
68			POSITION
68	AIR DISCHARGE	10"	150#
69			RF
70			TOP
66	NOZZLE	SIZE	RATING
67			FACING
68			POSITION
68	AIR DISCHARGE	10"	150#
69			RF
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66	NOZZLE	SIZE	RATING
67			FACING
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68	AIR DISCHARGE	10"	150#
69			RF
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66	NOZZLE	SIZE	RATING
67			FACING
68			POSITION
68	AIR DISCHARGE	10"	150#
69			RF
70			TOP
66	NOZZLE	SIZE	RATING
67			FACING
68			POSITION
68	AIR DISCHARGE	10"	150#
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66	NOZZLE	SIZE	RATING
67			FACING
68			POSITION
68	AIR DISCHARGE	10"	150#
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70			TOP
66	NOZZLE	SIZE	RATING
67			FACING
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68	AIR DISCHARGE	10"	150#
69			RF
70			TOP
66	NOZZLE	SIZE	RATING
67			FACING
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68	AIR DISCHARGE	10"	150#
69			RF
70			TOP
66	NOZZLE	SIZE	RATING
67			FACING
68			POSITION
68	AIR DISCHARGE	10"	150#
69			RF
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66	NOZZLE	SIZE	RATING
67			FACING
68			POSITION
68	AIR DISCHARGE	10"	150#
69			RF
70			TOP
66	NOZZLE	SIZE	RATING
67			FACING
68			POSITION
68	AIR DISCHARGE	10"	150#
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66	NOZZLE	SIZE	RATING
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68	AIR DISCHARGE	10"	150#
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66	NOZZLE	SIZE	RATING
67			FACING
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68	AIR DISCHARGE	10"	150#
69			RF
70			TOP
66	NOZZLE	SIZE	RATING
67			FACING
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68	AIR DISCHARGE	10"	150#
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66	NOZZLE	SIZE	RATING
67			FACING
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68	AIR DISCHARGE	10"	150#
69			RF
70			TOP
66	NOZZLE	SIZE	RATING
67			FACING
68			POSITION
68	AIR DISCHARGE	10"	150#
69			RF
70			TOP
66	NOZZLE	SIZE	RATING
67			FACING
68			POSITION
68	AIR DISCHARGE	10"	150#
69			RF
70			TOP
66	NOZZLE	SIZE	RATING
67			FACING
68			POSITION
68	AIR DISCHARGE	10"	150#
69			RF
70			TOP
66	NOZZLE	SIZE	RATING
67			FACING
68			POSITION
68	AIR DISCHARGE	10"	150#
69			RF
70			TOP
66	NOZZLE	SIZE	RATING
67			FACING
68			POSITION
68	AIR DISCHARGE	10"	150#
69			RF
70			TOP
66	NOZZLE	SIZE	RATING
67			FACING
68			POSITION
68	AIR DISCHARGE	10"	150#
69			RF
70			TOP
66	NOZZLE	SIZE	RATING
67			FACING
68			POSITION
68	AIR DISCHARGE	10"	150#
69			RF
70			TOP
66	NOZZLE	SIZE	RATING
67			FACING
68			POSITION
68	AIR DISCHARGE	10"	150#
69			RF
70			TOP
66	NOZZLE	SIZE	RATING
67			FACING
68			POSITION
68	AIR DISCHARGE	10"	150#
69			RF
70			TOP
66	NOZZLE	SIZE	RATING
67			FACING
68			POSITION
68	AIR DISCHARGE	10"	150#
69			RF
70			TOP
66	NOZZLE	SIZE	RATING
67			FACING
68			POSITION
68	AIR DISCHARGE	10"	150#
69			RF
70			TOP
66	NOZZLE	SIZE	RATING
67			FACING
68			POSITION
68	AIR DISCHARGE	10"	150#
69			RF
70			TOP
66	NOZZLE	SIZE	RATING
67			FACING
68			POSITION
68	AIR DISCHARGE	10"	150#
69			RF



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1	VENDOR (COMPRESSOR) : Airpack Netherlands B.V.	REFERENCE : 23383-COM	
2	TYPE / MODEL : 44C-40001A/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: Included	
11	TEMPERATURE °C : 5-48	INTERCOOLING: N/A	
12	REL. HUMIDITY % : 65-100	AFTERCOOLER: N/A	
13	CONNECTION : N/A (Inlet filter)	LUBE-OIL COOLER: Air-cooled	
14	INLET FILTER DIFF. PRESS. mBAR : 10	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 : 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		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	NO. OF POLES : 4	V 230	PH 1 Hz 50
34	DRIVE : V-BELT	COOLING MEDIUM : AIR	
35		TEMPERATURE: AMBIENT	
36		PRESSURE: AMBIENT	
37	SITE CONDITIONS		WEIGHTS AND DIMENSIONS
38	ELEVATION m : <1000	COMPRESSOR	kg TBD
39	AMB. TEMPERATURE °C : 5-48	DRIVER	kg 2235
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	SIZE	mm L X W X H TBD
44			
45			
46	BEARING HOUSING		
47	CASING		TYPE N/A
48	MATERIAL : EN-GJL-200	BALL / ROLLER ROLLER	
49	COOLING : AIR-COOLED		
50	DRIVE DIRECTION : CCW	LUBRICATION	
51		LUBE SYSTEM :	OIL SPLASH LUBRICATION
52		LUBE OIL PUMP DRIVE : kw	N/A
53	ROTORS/SHAFT		SYSTEM OIL CAPACITY L TBD
54	NO. OF LOBES MALE : 3	LUBE OIL COOLER	AIR-COOLED
55	NO. OF LOBES FEMALE : 3	LUBE OIL FILTER	
56	MATERIAL ROTORS/SHAFT : EN-GJS-500-7	THERMOSTATIC VALVE	N/A
57			
58	TIMING GEARS		STANDARDS AND SPECIFICATIONS
59	MATERIAL : 16 Mn Cr5		
60	TYPE : HELICAL, TEETH HARDENED		
61	SHAFT SEALING		INSTRUMENTATION
62	TYPE : RADIAL SEALING RING	FUNCTION	TYPE(S)
63		BLOWER INLET PRESSURE	GAUGE & TRANSMITTER
65	SKID / COMPRESSOR CONNECTIONS		BLOWER INLET FILTER DIFF. PRESSURE
66	NOZZLE	SIZE	RATING
67			
68	AIR DISCHARGE	10"	150#
69			
70			
71	NOTES :		
72			



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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:	Included
11	TEMPERATURE	°C	5-48	INTERCOOLING:	N/A
12	REL. HUMIDITY	%	65-100	AFTERCOOLER:	N/A
13	CONNECTION		N/A (Inlet filter)	LUBE-OIL COOLER:	Air-cooled
14	INLET FILTER DIFF. PRESS.	MBAR	10	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	CONNECTION		ANSI 10" 150# RF	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	590	V	6000
32	MANUFACTURER		WEG	PH	3
33	NO. OF POLES		2	Hz	50
34	DRIVE		DIRECT	V	380
35				PH	3
36				Hz	50
37				V	230
37	SITE CONDITIONS			WEIGHTS AND DIMENSIONS	
38	ELEVATION	m	<1000	COOLING MEDIUM :	AIR
39	AMB. TEMPERATURE	°C	5-48	TEMPERATURE:	AMBIENT
40	AMB. PRESSURE	bar(a)	1,013	PRESSURE:	AMBIENT
41	REL. HUMIDITY	%	65-100		
42	AREA CLASSIFICATION		Safe area	COMPRESSOR	kg
43	NOISE LIMITATION	dB(A)	85	DRIVER	kg
44				MISCELLANEOUS	kg
45				TOTAL	kg
46				SIZE	mm
47				L X W X H	TBD
47	CASING			BEARING HOUSING	
48	MATERIAL		EN-GJL-250	TYPE	N/A
49	COOLING		AIR-COOLED	BALL / ROLLER	ROLLER
50	DRIVE DIRECTION		CW	LUBRICATION	
51				LUBE SYSTEM :	FORCED
52				LUBE OIL PUMP DRIVE :	DRIVEN BY GEARBOX
53	ROTORS			SYSTEM OIL CAPACITY	L
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
58	TIMING GEARS			STANDARDS AND SPECIFICATIONS	
59	MATERIAL		16 Mn Cr5		
60	TYPE		HELICAL, TEETH HARDENED		
61	SHAFT SEALING			INSTRUMENTATION	
62	TYPE		LABYRINTH SEAL	FUNCTION	TYPE(S)
63				COMPRESSOR INLET PRESSURE	GAUGE & TRANSMITTER
64				COMPRESSOR INLET FILTER DIFF. PRESSURE	TRANSMITTER
65	SKID / COMPRESSOR CONNECTIONS			COMPRESSOR DISCHARGE TEMPERATURE	TRANSMITTER
66	NOZZLE	SIZE	RATING	FACING	POSITION
67					
68	AIR DISCHARGE	10"	150#	RF	TOP
69					
70					
71	NOTES :				
72					



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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 :	Nitrogen compressor	OPERATION :	2 Continuous, 1 Standby		
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:	Included	
11	TEMPERATURE	°C	5-48	INTERCOOLING:	N/A	
12	REL. HUMIDITY	%	65-100	AFTERCOOLER:	N/A	
13	CONNECTION		N/A (Inlet filter)	LUBE-OIL COOLER:	Air-cooled	
14	INLET FILTER DIFF. PRESS.	MBAR	10	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	CONNECTION		ANSI 10" 150# RF	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	NO. OF POLES		2	V	230	PH 1 Hz 50
34	DRIVE		DIRECT	COOLING MEDIUM :		
35				TEMPERATURE:		
36				PRESSURE:		
37	SITE CONDITIONS			WEIGHTS AND DIMENSIONS		
38	ELEVATION	m	<1000	COMPRESSOR	kg	TBD
39	AMB. TEMPERATURE	°C	5-48	DRIVER	kg	2141
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	dB(A)	85	SIZE	mm	L X W X H TBD
44						
45						
46	CASING			BEARING HOUSING		
47				TYPE N/A		
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			
60	TYPE		HELICAL, TEETH HARDENED			
61	SHAFT SEALING			INSTRUMENTATION		
62	TYPE		LABYRINTH SEAL	FUNCTION		TYPE(S)
63				COMPRESSOR INLET PRESSURE		GAUGE & TRANSMITTER
64				COMPRESSOR INLET FILTER DIFF. PRESSURE		TRANSMITTER
65	SKID / COMPRESSOR CONNECTIONS			COMPRESSOR DISCHARGE TEMPERATURE		TRANSMITTER
66	NOZZLE	SIZE	RATING	FACING	POSITION	COMPRESSOR DISCHARGE PRESSURE
67						GAUGE & TRANSMITTER
68	AIR DISCHARGE	10"	150#	RF	TOP	COMPRESSOR OIL TEMPERATURE
69						TRANSMITTER
70						COMPRESSOR OIL PRESSURE
71						GAUGE & TRANSMITTER
72						MAIN MOTOR TEMPERATURE (BEARINGS AND WINDINGS)
						RTD

71 NOTES :

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