



Screw Compressor & Air Treatment Catalogue 2019 Issue ONE



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Air.
Anywhere.
Anytime.

Contents

Page

Belt Driven Rotary Screw Compressors

Spinn Mini Range (2.2kW - 7.5kW)	4-5
Spinn Maxi Range (5.5-15kW)	6-8
Screw Options ALL Models	9
Genesis Range (5.5kW - 22kW)	10-11
Formula Range (5.5kW - 30kW)	12-14
Formula Range (30kW - 75kW)	15-16

Air Treatment

Vertical Air Receivers	17-18
Refrigerant Dryers	19
Desiccant Dryers	20-22
Line Filters	23-27
Drains & Oil Water Separators	28

Appendix

Guides and Conversion Tables	30-33
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Oil Free Products:

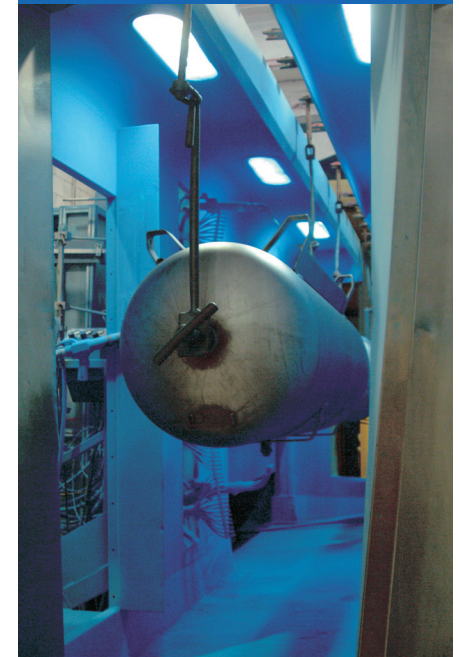
We have a range of OIL FREE products available. Please contact your Area Sales Manager for any OIL FREE piston or scroll compressor enquiries. The OIL FREE ranges are rated 'Class Zero' quality to ISO 8573 - 1.

Controllers:

Our comprehensive range of compressor controllers and full external control systems are now available in a separate price list on request from your Area Sales Manager.

Warranty:

5 Year Warranty - Extended cover on Screw Compressors for Years 3, 4, 5 Parts Only (Subject to Warranty Terms).



SPINN Screw Compressors 2.2 - 7.5kW (Floor and Receiver Mounted Versions)

ABAC Code	Model Description	Start System	Capacity FAD		Max Pressure		Tank Ltr	Motor		Dims L x W x H	Weight kg	Noise dB(A)
			CFM	m3/min	Psi	Bar		Hp	kW			
FLOOR MOUNTED C40												
4152008000	Spinn 2.210 V230/1	DOL	8.5	0.24	145	10	-	3	2.2	620 x 612 x 995	99	61
4152008001	Spinn 2.210 V400	DOL	8.5	0.24	145	10	-	3	2.2	620 x 612 x 995	99	61
4152008002	Spinn 310 V400	DOL	11.3	0.32	145	10	-	4	3	620 x 612 x 995	103	61
4152008003	Spinn 410 V400	DOL	16.6	0.47	145	10	-	5.5	4	620 x 612 x 995	105	62
4152008004	Spinn 410 V400	SDS	16.6	0.47	145	10	-	5.5	4	620 x 612 x 995	105	62
4152008005	Spinn 5.510 V400	SDS	21.2	0.6	145	10	-	7.5	5.5	620 x 612 x 995	110	64
RECEIVER MOUNTED 200L C40												
4152008006	Spinn 2.210 200 V230/1	DOL	8.5	0.24	145	10	200	3	2.2	1429 x 612 x 1300	155	61
4152008007	Spinn 2.210 200 V400	DOL	8.5	0.24	145	10	200	3	2.2	1429 x 612 x 1300	155	61
4152008008	Spinn 310 200 V400	DOL	11.3	0.32	145	10	200	4	3	1429 x 612 x 1300	157	61
4152008009	Spinn 410 200 V400	DOL	16.6	0.47	145	10	200	5.5	4	1429 x 612 x 1300	159	62
4152008010	Spinn 410 200 V400	SDS	16.6	0.47	145	10	200	5.5	4	1429 x 612 x 1300	159	62
4152008011	Spinn 5.510 200 V400	SDS	21.2	0.6	145	10	200	7.5	5.5	1429 x 612 x 1300	164	64
4152010921	Spinn 7.510 200 V400 (C55)	SDS	32.6	0.92	145	10	200	10	7.5	1429 x 635 x 1300	214	66
RECEIVER MOUNTED 270 L C40												
4152008017	Spinn 2.210 270 V400	DOL	8.5	0.24	145	10	270	3	2.2	1531 x 612 x 1394	166	61
4152008018	Spinn 310 270 V400	DOL	11.3	0.32	145	10	270	4	3	1531 x 612 x 1394	168	61
4152008019	Spinn 410 270 V400	DOL	16.6	0.47	145	10	270	5.5	4	1531 x 612 x 1394	170	62
4152008020	Spinn 410 270 V400	SDS	16.6	0.47	145	10	270	5.5	4	1531 x 612 x 1394	170	62
4152008021	Spinn 5.510 270 V400	SDS	21.2	0.6	145	10	270	7.5	5.5	1531 x 612 x 1394	175	64

DOL = Direct On Line, SDS = Start Delta Starting. Note 8 Bar versions of C40 are available on request.



SPINN Screw Compressors 2.2 - 7.5kW (Receiver mounted, Dryer version)



ABAC Code	Model Description	Start System	Capacity FAD		Max Pressure		Tank Ltr	Motor		Dims W x D x H	Weight kg	Noise dB(A)		
			CFM	m3/min	Psi	Bar		Hp	kW					
200Ltr RECEIVER MOUNTED WITH DRYER C40														
4152008027	Spinn.E 2.210 200 V230/1	DOL	8.5	0.24	145	10	200	3	2.2	1429 x 612 x 1300	187	61		
4152008012	Spinn.E 2.210 200 V400	DOL	8.5	0.24	145	10	200	3	2.2	1429 x 612 x 1300	187	61		
4152008013	Spinn.E 310 200 V400	DOL	11.3	0.32	145	10	200	4	3	1429 x 612 x 1300	191	61		
4152008014	Spinn.E 410 200 V400	DOL	16.6	0.47	145	10	200	5.5	4	1429 x 612 x 1300	193	62		
4152008015	Spinn.E 410 200 V400	SDS	16.6	0.47	145	10	200	5.5	4	1429 x 612 x 1300	193	62		
4152008016	Spinn.E 5.510 200 V400	SDS	21.2	0.6	145	10	200	7.5	5.5	1429 x 612 x 1300	198	64		
4152010923	Spinn.E 7.510 200 V400 (C55)	SDS	32.6	0.92	145	10	200	10	7.5	1429 x 612 x 1300	209	64		
270Ltr RECEIVER MOUNTED WITH DRYER C40														
4152008022	Spinn.E 2.210 270 V400	DOL	8.5	0.24	145	10	270	3	2.2	1531 x 612 x 1394	198	61		
4152008023	Spinn.E 310 270 V400	DOL	11.3	0.32	145	10	270	4	3	1531 x 612 x 1394	202	61		
4152008024	Spinn.E 410 270 V400	DOL	16.6	0.47	145	10	270	5.5	4	1531 x 612 x 1394	204	62		
4152008025	Spinn.E 410 270 V400	SDS	16.6	0.47	145	10	270	5.5	4	1531 x 612 x 1394	204	62		
4152008026	Spinn.E 5.510 270 V400	SDS	21.2	0.6	145	10	270	7.5	5.5	1531 x 612 x 1394	209	64		

DOL = Direct On Line, SDS = Start Delta Starting. Note 8 Bar versions of C40 are available on request.



- Simple Electro / Pneumatic control - stop / start operation no off load running
- Pressure switch control - fixed 2 Bar differential
- Low noise levels - unit can be sited next to air user
- Max ambient 40° C
- Wet air receiver configuration - drain point brought to front of machine for easier operation
- All service components grouped for easy access and service intervention

SPINN Screw Compressors 5.5 - 15kW (Floor and Receiver Mounted Versions)

ABAC Code	Model Description	Start System	Capacity FAD		Max Pressure		Tank	Motor		Dims L x W x H	Weight kg	Noise dB(A)
			CFM	m3/min	Psi	Bar		Ltr	Hp			
FLOOR MOUNTED C55* Infologic controller												
4152022537	SPINN 5.5X 8 FM	SDS	29.9	0.84	116	8	-	7.5	5.5	855 x 720 x 1000	160	64
4152022538	SPINN 5.5X 10 FM	SDS	24.6	0.69	145	10	-	7.5	5.5	855 x 720 x 1000	160	64
4152022539	SPINN 7.5X 8 FM	SDS	40.3	1.13	116	8	-	10	7.5	855 x 720 x 1000	170	65
4152022540	SPINN 7.5X 10 FM	SDS	35.2	1.0	145	10	-	10	7.5	855 x 720 x 1000	170	65
4152022541	SPINN 7.5X 13 FM	SDS	27.5	0.77	188	13	-	10	7.5	855 x 720 x 1000	170	65
4152022542	SPINN 11 8 FM	SDS	57.2	1.60	116	8	-	15	11	855 x 720 x 1000	185	69
4152022543	SPINN 11 10 FM	SDS	50.0	1.4	145	10	-	15	11	855 x 720 x 1000	185	69
4152022544	SPINN 11 13 FM	SDS	40.7	1.14	188	13	-	15	11	855 x 720 x 1000	185	69
4152022545	SPINN 15 8 FM	SDS	65.7	1.84	116	8	-	20	15	855 x 720 x 1000	200	71
4152022546	SPINN 15 10 FM	SDS	59.3	1.66	145	10	-	20	15	855 x 720 x 1000	200	71
4152022547	SPINN 15 13 FM	SDS	47.0	1.32	188	13	-	20	15	855 x 720 x 1000	200	71
RECEIVER MOUNTED 270 L C55* Infologic controller												
4152022619	SPINN 5.5X 8 TM270	SDS	29.9	0.84	116	8	270	7.5	5.5	1543 x 720 x 1337	207	64
4152022620	SPINN 5.5X 10 TM270	SDS	24.6	0.69	145	10	270	7.5	5.5	1543 x 720 x 1337	207	64
4152022623	SPINN 7.5X 8 TM270	SDS	40.3	1.13	116	8	270	10	7.5	1543 x 720 x 1337	217	65
4152022624	SPINN 7.5X 10 TM270	SDS	35.2	1.0	145	10	270	10	7.5	1543 x 720 x 1337	217	65
4152022628	SPINN 11 8 TM270	SDS	57.2	1.60	116	8	270	15	11	1543 x 720 x 1337	232	69
4152022629	SPINN 11 10 TM270	SDS	50.0	1.4	145	10	270	15	11	1543 x 720 x 1337	232	69
4152022633	SPINN 15 8 TM270	SDS	65.7	1.84	116	8	270	20	15	1543 x 720 x 1337	247	71
4152022634	SPINN 15 10 TM270	SDS	59.3	1.66	145	10	270	20	15	1543 x 720 x 1337	247	71

C55* Versions fitted with Infologic Controller. DOL = Direct On Line, SDS = Start Delta Starting



SPINN Screw Compressors 5.5 - 15kW (Floor and Receiver Mounted Versions)

ABAC Code	Model Description	Start System	Capacity FAD		Max Pressure		Tank Ltr	Motor		Dims L x W x H	Weight kg	Noise dB(A)
			CFM	m3/min	Psi	Bar		Hp	kW			
RECEIVER MOUNTED 500L C55* Infologic controller												
4152022621	SPINN 5.5X 8 TM500	SDS	29.9	0.85	116	8	500	7.5	5.5	1945 x 720 x 1468	257	64
4152022622	SPINN 5.5X 10 TM500	SDS	24.6	0.7	145	10	500	7.5	5.5	1945 x 720 x 1468	257	64
4152022625	SPINN 7.5X 8 TM500	SDS	40.3	1.14	116	8	500	10	7.5	1945 x 720 x 1468	267	65
4152022626	SPINN 7.5X 10 TM500	SDS	35.2	1.0	145	10	500	10	7.5	1945 x 720 x 1468	267	65
4152022627	SPINN 7.5X 13 TM500	SDS	27.5	0.85	188	13	500	10	7.5	1945 x 720 x 1468	267	65
4152022630	SPINN 11 8 TM500	SDS	57.2	1.62	116	8	500	15	11	1945 x 720 x 1468	282	69
4152022631	SPINN 11 10 TM500	SDS	50.0	1.42	145	10	500	15	11	1945 x 720 x 1468	282	69
4152022632	SPINN 11 13 TM500	SDS	40.7	1.15	188	13	500	15	11	1945 x 720 x 1468	282	69
4152022635	SPINN 15 8 TM500	SDS	65.7	1.86	116	8	500	20	15	1945 x 720 x 1468	297	71
4152022636	SPINN 15 10 TM500	SDS	59.3	1.68	145	10	500	20	15	1945 x 720 x 1468	297	71
4152022637	SPINN 15 13 TM500	SDS	47.0	1.33	188	13	500	20	15	1945 x 720 x 1468	297	71

C55* Versions fitted with Infologic Controller. DOL = Direct On Line, SDS = Start Delta Starting

- Infologic controller - intelligent controller with energy saving algorithm
- Pressure and temperature transducers for digital display on controller
- Low noise levels - unit can be sited next to air user
- Compact footprint - can be sited against wall, all configurations
- Max ambient 46° C
- Wet air receiver configuration - drain point brought to front of machine for easier operation
- All service components grouped for easy access and service intervention - service warnings through controller



SPINN Screw Compressors 5.5 - 15kW (Receiver mounted, Dryer version)

ABAC Code	Model Description	Start System	Capacity FAD		Max Pressure		Tank Ltr	Motor		Dims W x D x H	Weight kg	Noise dB(A)
			CFM	m3/min	Psi	Bar		Hp	kW			
270Ltr RECEIVER MOUNTED WITH DRYER C55* Infologic controller												
4152022638	SPINN 5.5XE 8 TM270	SDS	29.9	0.85	116	8	270	7.5	5.5	1543 x 720 x 1337	242	64
4152022639	SPINN 5.5XE 10 TM270	SDS	24.6	0.7	145	10	270	7.5	5.5	1543 x 720 x 1337	242	64
4152022642	SPINN 7.5XE 8 TM270	SDS	40.3	1.14	116	8	270	10	7.5	1543 x 720 x 1337	250	65
4152022643	SPINN 7.5XE 10 TM270	SDS	35.2	1.0	145	10	270	10	7.5	1543 x 720 x 1337	250	65
4152022647	SPINN 11E 8 TM270	SDS	57.2	1.62	116	8	270	15	11	1543 x 720 x 1337	265	69
4152022648	SPINN 11E 10 TM270	SDS	50.0	1.42	145	10	270	15	11	1543 x 720 x 1337	265	69
4152022652	SPINN 15E 8 TM270	SDS	65.7	1.86	116	8	270	20	15	1543 x 720 x 1337	280	71
4152022653	SPINN 15E 10 TM270	SDS	59.3	1.68	145	10	270	20	15	1543 x 720 x 1337	280	71
500Ltr RECEIVER MOUNTED WITH DRYER C55* Infologic controller												
4152022640	SPINN 5.5XE 8 TM500	SDS	29.9	0.84	116	8	500	7.5	5.5	1945 x 720 x 1468	290	64
4152022641	SPINN 5.5XE 10 TM500	SDS	24.6	0.69	145	10	500	7.5	5.5	1945 x 720 x 1468	290	64
4152022644	SPINN 7.5XE 8 TM500	SDS	40.3	1.1	116	8	500	10	7.5	1945 x 720 x 1468	300	65
4152022645	SPINN 7.5XE 10 TM500	SDS	35.2	0.99	145	10	500	10	7.5	1945 x 720 x 1468	300	65
4152022646	SPINN 7.5XE 13 TM500	SDS	27.5	0.77	188	13	500	10	7.5	1945 x 720 x 1468	300	65
4152022649	SPINN 11E 8 TM500	SDS	57.2	1.6	116	8	500	15	11	1945 x 720 x 1468	315	69
4152022650	SPINN 11E 10 TM500	SDS	50.0	1.4	145	10	500	15	11	1945 x 720 x 1468	315	69
4152022651	SPINN 11E 13 TM500	SDS	40.7	1.14	188	13	500	15	11	1945 x 720 x 1468	315	69
4152022654	SPINN 15E 8 TM500	SDS	65.7	1.84	116	8	500	20	15	1945 x 720 x 1468	330	71
4152022655	SPINN 15E 10 TM500	SDS	59.3	1.66	145	10	500	20	15	1945 x 720 x 1468	330	71
4152022656	SPINN 15E 13 TM500	SDS	47.0	1.32	188	13	500	20	15	1945 x 720 x 1468	330	71

C55* Versions fitted with Infologic Controller. DOL = Direct On Line, SDS = Start Delta Starting.



Options Spinn C40 & C55* - Genesis / Formula C55* - C67 - C80

ABAC Code	Model Description
0000050223	Food Grade Oil C40 Belt Drive Spinn
0000050323	Food Grade Oil C55 Belt Drive Spinn
0000051333	8000 H OIL C55*
0000051349	FOODGRADE OIL C55*
0000050847	8000 H OIL C67 / C80
0000050823	FOOD GRADE OIL C67 / C80
0000051677	OPTION STIRRUPS TRANSPORT (only for Genesis 5.5-15Kw TM 500 litre)
0000051378	MK5 GRAPHIC UPGRADE (Fixed speed machines only)
0000051383	MK5 GRAPHIC UPGRADE+ECO6I (Fixed speed machines only)

- Food Grade oil is a 4000 hour rated synthetic lubricant suitable for use in compressors installed within a food production factory. Typically used in applications which require maximum protection against contamination of the end products. It is a certified oil and the usage is required in the Pharmaceuticals, Food & Beverage and Packaging industries among others. Approval certificates are available.
- 8000 hour oil is a premium synthetic lubricant designed for compressors operating 24/7 within high duty operation and ambient conditions.
- Transport stirrups can be bolted to the feet on the Genesis 5.5-15kw 500 litre receivers to allow the unit to be moved by forklift. They can be removed once the machine is in final location.
- The Mk V Graphic upgrade is suitable for fixed speed compressors fitted with the Mk V Standard controller. Upgrading the controller to the graphic version enables advanced visibility with icon based menu's on a larger colour screen. This option is required if an ECO6i licence to allow multiple machines being controlled over a CAN network.

GENESIS Screw Compressors 5.5kW - 15kW - C55*- C67 Infologic Standard Mk V Controller

ABAC Code	Model Description	Air End	Capacity FAD		Pressure		Recvr Ltr	Motor		Dims W x D x H	Weight kg	Noise dB(A)
			CFM	m3/min	Psi	Bar		Hp	kW			
4152025400	Genesis 5.5/8/270	C55*	30.8	0.87	116	8	270	7.5	5.5	1150 x 655 x 1687	338	62
4152025401	Genesis 5.5/10/270	C55*	24.5	0.69	145	10	270	7.5	5.5	1150 x 655 x 1687	338	62
4152025408	Genesis 5.5/8/500	C55*	30.8	0.87	116	8	500	7.5	5.5	1935 x 665 x 1689	426	62
4152025409	Genesis 5.5/10/500	C55*	24.5	0.69	145	10	500	7.5	5.5	1935 x 665 x 1689	426	62
4152025402	Genesis 7.5/8/270	C55*	43.4	1.23	116	8	270	10	7.5	1150 x 655 x 1687	346	63
4152025403	Genesis 7.5/10/270	C55*	37.8	1.07	145	10	270	10	7.5	1150 x 655 x 1687	346	63
4152025404	Genesis 7.5/13/270	C55*	28.9	0.82	188	13	270	10	7.5	1150 x 655 x 1687	346	63
4152025410	Genesis 7.5/8/500	C55*	43.4	1.23	116	8	500	10	7.5	1935 x 665 x 1689	431	63
4152025411	Genesis 7.5/10/500	C55*	37.8	1.07	145	10	500	10	7.5	1935 x 665 x 1689	431	63
4152025412	Genesis 7.5/13/500	C55*	28.9	0.82	188	13	500	10	7.5	1935 x 665 x 1689	431	63
4152025405	Genesis 11/8/270	C55*	58.5	1.66	116	8	270	15	11	1150 x 655 x 1687	366	65
4152025406	Genesis 11/10/270	C55*	52.7	1.49	145	10	270	15	11	1150 x 655 x 1687	366	65
4152025407	Genesis 11/13/270	C55*	42.4	1.20	188	13	270	15	11	1150 x 655 x 1687	366	65
4152025413	Genesis 11/8/500	C55*	58.5	1.66	116	8	500	15	11	1935 x 665 x 1689	451	65
4152025414	Genesis 11/10/500	C55*	52.7	1.49	145	10	500	15	11	1935 x 665 x 1689	451	65
4152025415	Genesis 11/13/500	C55*	42.4	1.20	188	13	500	15	11	1935 x 665 x 1689	451	65
4152025544	Genesis 15/8/270	C67	81.4	2.30	116	8	270	20	15	1150 x 655 x 1687	367	67
4152025545	Genesis 15/10/270	C67	73.6	2.08	145	10	270	20	15	1150 x 655 x 1687	367	67
4152025546	Genesis 15/13/270	C67	58.9	1.68	188	13	270	20	15	1150 x 655 x 1687	367	67
4152025547	Genesis 15/8/500	C67	81.4	2.30	116	8	500	20	15	1935 x 665 x 1689	455	67
4152025548	Genesis 15/10/500	C67	73.6	2.08	145	10	500	20	15	1935 x 665 x 1689	455	67
4152025549	Genesis 15/13/500	C67	58.9	1.68	188	13	500	20	15	1935 x 665 x 1689	455	67



GENESIS Screw Compressors 18.5kW - 22kW - C67 Infologic Standard Mk V Controller

ABAC Code	Model Description	Air End	Capacity FAD		Pressure		Recvr Ltr	Motor		Dims W x D x H	Weight kg	Noise dB(A)
			CFM	m3/min	Psi	Bar		Hp	kW			
4152025550	Genesis 18.5/8/500	C67	108.9	3.08	116	8	500	25	18.5	1950 x 810 x 1850	624	69
4152025551	Genesis 18.5/10/500	C67	95	2.69	145	10	500	25	18.5	1950 x 810 x 1850	624	69
4152025552	Genesis 18.5/13/500	C67	80.6	2.28	188	13	500	25	18.5	1950 x 810 x 1850	624	69
4152025553	Genesis 22/8/500	C67	127.5	3.61	116	8	500	30	22	1950 x 810 x 1850	640	70
4152025554	Genesis 22/10/500	C67	113.3	3.21	145	10	500	30	22	1950 x 810 x 1850	640	70
4152025555	Genesis 22/13/500	C67	96.7	2.74	188	13	500	30	22	1950 x 810 x 1850	640	70

GENESIS i VSD Screw Compressors 5.5kW - 22kW - C55* - C67 Airlogic Mk V Controller

ABAC Code	Model Description	Air End	Min - Max FAD CFM	Pressure Bar	Recvr Ltr	Motor		Dims W x D x H	Weight kg	Noise dB(A)
						Hp	kW			
4152025484	Genesis 7.5/13 i 270	C55*	4.3 - 42.4*	6-13	270	10	7.5	1150 x 665 x 1712	355	63
4152025486	Genesis 7.5/13 i 500	C55*	4.3 - 42.4*	6-13	500	10	7.5	1935 x 665 x 1714	440	63
4152025485	Genesis 11/13 i 270	C55*	13.3 - 61.8*	6-13	270	15	11	1150 x 642 x 1712	375	65
4152025487	Genesis 11/13 i 500	C55*	13.3 - 61.8*	6-13	500	15	11	1935 x 665 x 1714	460	65
4152025646	Genesis 15/10 i 270	C67	21.9 - 81.5*	6-10	270	20	15	1150 x 642 x 1712	377	67
4152025647	Genesis 15/13 i 270	C67	17.1 - 65.8**	10-13	270	20	15	1150 x 642 x 1712	377	67
4152025648	Genesis 15/10 i 500	C67	21.9 - 81.5*	6-10	500	20	15	1935 x 665 x 1714	462	67
4152025649	Genesis 15/13 i 500	C67	17.1 - 65.8**	10-13	500	20	15	1935 x 665 x 1714	462	67
4152025650	Genesis 18.5/10 i 500	C67	20.3 - 103.6*	6-10	500	25	18.5	1935 x 805 x 1841	635	69
4152025651	Genesis 18.5/13 i 500	C67	17.3 - 87.0**	10-13	500	25	18.5	1935 x 805 x 1841	635	69
4152025652	Genesis 22/10 i 500	C67	22 - 119.7*	6-10	500	30	22	1935 x 805 x 1841	680	70
4152025653	Genesis 22/13 i 500	C67	18.8 - 107.7**	10-13	500	30	22	1935 x 805 x 1841	680	70

* Flow rates @ 7.5 Bar for 6-13 Bar units ** Flow rates @ 9.5 Bar for 10-13 Bar units.

- Genesis is a full feature machine tank mounted with integral refrigerant air dryer and G grade coalescing line filter
- Low noise levels - axial fan on 7.5-15kw units and radial fan on 18.5-30kw units
- Max ambient 46° C
- Intake filter mats for compressor and electrical cabinets fitted as standard
- Phase sequence relay fitted as standard
- ABB / Siemens contactors and Mk V standard controller for optimum operation



FORMULA Screw Compressors 5.5 - 15kW - C55* - C67 Infologic Standard Mk V Controller

ABAC Code	Model Description	Air End	Capacity FAD		Pressure		Motor		Dims L x W x H (mm)	Weight kg	Noise dB(A)
			CFM	m3/min	Psi	Bar	Hp	kW			
4152025384	Formula 5.5/8	C55*	30.8	0.87	116	8	7.5	5.5	1095 X 665 x 1070	241	62
4152025385	Formula 5.5/10	C55*	24.5	0.69	145	10	7.5	5.5	1095 X 665 x 1070	241	62
4152025392	Formula E 5.5/8	C55*	30.8	0.87	116	8	7.5	5.5	1095 X 665 x 1070	268	62
4152025393	Formula E 5.5/10	C55*	24.5	0.69	145	10	7.5	5.5	1095 X 665 x 1070	268	62
4152025386	Formula 7.5/8	C55*	43.4	1.23	116	8	10	7.5	1095 X 665 x 1070	246	63
4152025387	Formula 7.5/10	C55*	37.8	1.07	145	10	10	7.5	1095 X 665 x 1070	246	63
4152025388	Formula 7.5/13	C55*	28.9	0.82	188	13	10	7.5	1095 X 665 x 1070	246	63
4152025394	Formula E 7.5/8	C55*	43.4	1.23	116	8	10	7.5	1095 X 665 x 1070	276	63
4152025395	Formula E 7.5/10	C55*	37.8	1.07	145	10	10	7.5	1095 X 665 x 1070	276	63
4152025396	Formula E 7.5/13	C55*	28.9	0.82	188	13	10	7.5	1095 X 665 x 1070	276	63
4152025389	Formula 11/8	C55*	58.5	1.66	116	8	15	11	1095 X 665 x 1070	266	65
4152025390	Formula 11/10	C55*	52.7	1.49	145	10	15	11	1095 X 665 x 1070	266	65
4152025391	Formula 11/13	C55*	42.4	1.2	188	13	15	11	1095 X 665 x 1070	266	65
4152025397	Formula E 11/8	C55*	58.5	1.66	116	8	15	11	1095 X 665 x 1070	296	65
4152025398	Formula E 11/10	C55*	52.7	1.49	145	10	15	11	1095 X 665 x 1070	296	65
4152025399	Formula E 11/13	C55*	42.4	1.2	188	13	15	11	1095 X 665 x 1070	296	65
4152025526	Formula 15/8	C67	81.4	2.3	116	8	20	15	1095 X 665 x 1070	270	67
4152025527	Formula 15/10	C67	73.6	2.08	145	10	20	15	1095 X 665 x 1070	270	67
4152025528	Formula 15/13	C67	58.9	1.68	188	13	20	15	1095 X 665 x 1070	270	67
4152025535	Formula E 15/8	C67	81.4	2.3	116	8	20	15	1095 X 665 x 1070	297	67
4152025536	Formula E 15/10	C67	73.6	2.08	145	10	20	15	1095 X 665 x 1070	297	67
4152025537	Formula E 15/13	C67	58.9	1.68	188	13	20	15	1095 X 665 x 1070	297	67



- Formula E version has integral refrigerant air dryer and G grade coalescing line filter
- Low noise levels - axial fan on 7.5-15kw units and radial fan on 18.5-30kw units
- Max ambient 46° C
- Intake filter mats for compressor and electrical cabinets fitted as standard
- Phase sequence relay fitted as standard
- ABB / Siemens contactors and Mk V standard controller for optimum operation

Continued overleaf

FORMULA Screw Compressors 18.5 - 30kW - C67 - C80 Infologic Standard Mk V Controller

ABAC Code	Model Description	Air End	Capacity FAD		Pressure		Motor		Dims L x W x H (mm)	Weight kg	Noise dB(A)		
			CFM	m3/min	Psi	Bar	Hp	kW					
4152025529	Formula 18.5/8	C67	108.9	3.08	116	8	25	18.5	1210 x 810 x 1220	361	69		
4152025530	Formula 18.5/10	C67	95.0	2.69	145	10	25	18.5	1210 x 810 x 1220	361	69		
4152025531	Formula 18.5/13	C67	80.6	2.28	188	13	25	18.5	1210 x 810 x 1220	361	69		
4152025538	Formula E 18.5/8	C67	108.9	3.08	116	8	25	18.5	1660 x 810 x 1220	377	69		
4152025539	Formula E 18.5/10	C67	95.0	2.69	145	10	25	18.5	1660 x 810 x 1220	377	69		
4152025540	Formula E 18.5/13	C67	80.6	2.28	188	13	25	18.5	1660 x 810 x 1220	377	69		
4152025532	Formula 22/8	C67	127.5	3.61	116	8	30	22	1210 x 810 x 1220	434	70		
4152025533	Formula 22/10	C67	113.3	3.21	145	10	30	22	1210 x 810 x 1220	434	70		
4152025534	Formula 22/13	C67	96.7	2.74	188	13	30	22	1210 x 810 x 1220	434	70		
4152025541	Formula E 22/8	C67	127.5	3.61	116	8	30	22	1660 x 810 x 1220	450	70		
4152025542	Formula E 22/10	C67	113.3	3.21	145	10	30	22	1660 x 810 x 1220	450	70		
4152025543	Formula E 22/13	C67	96.7	2.74	188	13	30	22	1660 x 810 x 1220	450	70		
4152025680	FORMULA 30/8	C80	152.6	4.32	116	8	40	30	1210 x 810 x 1220	446	71		
4152025681	FORMULA 30/10	C80	137.6	3.90	145	10	40	30	1210 x 810 x 1220	446	71		
4152025682	FORMULA 30 /13	C80	121.2	3.43	188	13	40	30	1210 x 810 x 1220	446	71		
4152025683	FORMULA E 30/8	C80	152.6	4.32	116	8	40	30	1660 x 810 x 1220	530	71		
4152025684	FORMULA E 30/10	C80	137.6	3.90	145	10	40	30	1660 x 810 x 1220	530	71		
4152025685	FORMULA E 30 /13	C80	121.2	3.43	188	13	40	30	1660 x 810 x 1220	530	71		



- Formula E version has integral refrigerant air dryer and G grade coalescing line filter
- Low noise levels - axial fan on 7.5-15kw units and radial fan on 18.5-30kw units
- Max ambient 46° C
- Intake filter mats for compressor and electrical cabinets fitted as standard
- Phase sequence relay fitted as standard
- ABB / Siemens contactors and Mk V standard controller for optimum operation

FORMULA i VSD Screw Compressors 5.5kW - 30kW - C55* - C67 - C80 Airlogic Mk V Controller

ABAC Code	Model Description	Air End	Min - Max FAD CFM	Pressure Bar	Recvr Ltr	Motor Hp	kW	Dims W x D x H	Weight kg	Noise dB(A)
4152025480	Formula 7.5/13 i	C55*	4.3 - 42.4*	6-13	-	10	7.5	1095 X 665 x 1095	255	63
4152025481	Formula 11/13 i	C55*	13.3 - 61.8*	6-13	-	15	11	1095 X 665 x 1095	275	65
4152025634	Formula 15/10 i	C67	21.9 - 81.5*	6-10	-	20	15	1095 X 665 x 1095	280	67
4152025635	Formula 15/13 i	C67	17.1 - 65.8**	10-13	-	20	15	1095 X 665 x 1095	280	67
4152025636	Formula 18.5/10 i	C67	20.3 - 103.6*	6-10	-	25	18.5	1204 x 805 x 1220	370	69
4152025637	Formula 18.5/13 i	C67	17.3 - 87.0**	10-13	-	25	18.5	1204 x 805 x 1220	370	69
4152025638	Formula 22/10 i	C67	22 - 119.7*	6-10	-	30	22	1204 x 805 x 1220	400	70
4152025639	Formula 22/13 i	C67	18.8 - 107.7**	10-13	-	30	22	1204 x 805 x 1220	400	70
4152025704	Formula 30/10 i	C80	51.5 - 155.4*	6-10	-	40	30	1204 x 805 x 1220	469	71
4152025705	Formula 30/13 i	C80	56.5 - 133.9**	10-13	-	40	30	1204 x 805 x 1220	469	71
4152025482	Formula E 7.5/13 i	C55*	4.3 - 42.4*	6-13	-	10	7.5	1095 X 665 x 1095	285	63
4152025483	Formula E 11/13 i	C55*	13.3 - 61.8*	6-13	-	15	11	1095 X 665 x 1095	305	65
4152025640	Formula E 15/10 i	C67	21.9 - 81.5*	6-10	-	20	15	1095 X 665 x 1095	307	67
4152025641	Formula E 15/13 i	C67	17.1 - 65.8**	10-13	-	20	15	1095 X 665 x 1095	307	67
4152025642	Formula E 18.5/10 i	C67	20.3 - 103.6*	6-10	-	25	18.5	1659 x 805 x 1220	445	69
4152025643	Formula E 18.5/13 i	C67	17.3 - 87.0**	10-13	-	25	18.5	1659 x 805 x 1220	445	69
4152025644	Formula E 22/10 i	C67	22 - 119.7*	6-10	-	30	22	1659 x 805 x 1220	490	70
4152025645	Formula E 22/13 i	C67	18.8 - 107.7**	10-13	-	30	22	1659 x 805 x 1220	490	70
4152025706	Formula E I 30/10 i	C80	51.5 - 155.4*	6-10	-	40	30	1659 x 805 x 1220	556	71
4152025707	Formula E I 30/13 i	C80	56.5 - 133.9**	10-13	-	40	30	1659 x 805 x 1220	556	71



- Formula E version has integral refrigerant air dryer and G grade coalescing line filter
- Low noise levels - axial fan on 7.5-15kw units and radial fan on 18.5-30kw units
- Max ambient 46° C
- Intake filter mats for compressor and electrical cabinets fitted as standard
- ABB / Siemens contactors fitted in conjunction with Danfoss inverter and Mk V graphic controller for optimum operation
- * Flow rates measured @ 7.5 Bar for 6-13 Bar units
- ** Flow rates measured @ 9.5 Bar for 10-13 Bar units.



FORMULA - Fixed Speed Screw Compressors 30 - 75kW Mk V Standard



ABAC Code	Model Description	Air End	Capacity FAD		Pressure		Motor		Dims L x W x H (mm)	Weight kg	dB(A)	
			CFM	m3/min	Psi	Bar	Hp	kW				
FIXED SPEED												
8090374177	FORMULA 30 A 8 400/3/50	S80	146	4.14	116	8	40	30	1195 x 920 x 1590	580	74	
8090374185	FORMULA 30 A 10 400/3/50	S80	128	3.62	145	10	40	30	1195 x 920 x 1590	580	74	
8090374193	FORMULA 30 A 13 400/3/50	S80	111	3.15	188	13	40	30	1195 x 920 x 1590	580	74	
8090374201	FORMULA 37 A 8 400/3/50	S80	188	5.32	116	8	50	37	1195 x 920 x 1590	600	75	
8090374219	FORMULA 37 A 10 400/3/50	S80	175	4.95	145	10	50	37	1195 x 920 x 1590	600	75	
8090374227	FORMULA 37 A 13 400/3/50	S80	150	4.24	188	13	50	37	1195 x 920 x 1590	600	75	
8090374235	FORMULA 38 A 8 400/3/50	S111	218	6.15	116	8	50	37	1195 x 920 x 1590	655	75	
8090374243	FORMULA 38 A 10 400/3/50	S111	189	5.35	145	10	50	37	1195 x 920 x 1590	655	75	
8090374250	FORMULA 38 A 13 400/3/50	S111	145	4.10	188	13	50	37	1195 x 920 x 1590	655	75	
8090374268	FORMULA 45 A 8 400/3/50	S111	251	7.10	116	8	60	45	1300 x 1020 x 1765	920	75	
8090374276	FORMULA 45 A 10 400/3/50	S111	215	6.10	145	10	60	45	1300 x 1020 x 1765	920	75	
8090374284	FORMULA 45 A 13 400/3/50	S111	187	5.30	188	13	60	45	1300 x 1020 x 1765	920	75	
8090374292	FORMULA 55 A 8 400/3/50	S111	321	9.10	116	8	75	55	1300 x 1020 x 1765	1000	76	
8090374300	FORMULA 55 A 10 400/3/50	S111	279	7.90	145	10	75	55	1300 x 1020 x 1765	1000	76	
8090374318	FORMULA 55 A 13 400/3/50	S111	233	6.60	188	13	75	55	1300 x 1020 x 1765	1000	76	
8090374326	FORMULA 75 A 8 400/3/50	S111	438	12.40	116	8	100	75	1550 x 1325 x 1800	1325	76	
8090374334	FORMULA 75 A 10 400/3/50	S111	381	10.80	145	10	100	75	1550 x 1325 x 1800	1325	76	
8090374342	FORMULA 75 A 13 400/3/50	S111	325	9.20	188	13	100	75	1550 x 1325 x 1800	1325	76	



- Dual offering at 37kw power rating
- Low noise levels due to noise reducing fan and sound attenuating foam
- Vertical arrangement with poly V belt transmission with a service interval of 12,000 hours
- Water separator as standard
- Phase sequence relay as standard
- Schneider contactors fitted in conjunction with Mk V standard controller for optimum operation
- Easy access to all service components with large removeable access panels

FORMULA i - Variable Speed Screw Compressors 30 - 75kW Mk V Graphic

ABAC Code	Model Description	Capacity FAD		Pressure		Motor		Dims L x W x H (mm)	Weight kg	dB(A)	
		CFM	m3/min	Psi	Bar	Hp	kW				
VARIABLE SPEED											
8090374359	FORMULA I 37 A 8 400/3/50	72 - 202	2.03 - 5.72	116	8	50	37	1195 x 920 x 1590	640	75	
8090374367	FORMULA I 37 A 10 400/3/50	64 - 184	1.82 - 5.22	145	10	50	37	1195 x 920 x 1590	640	75	
8090374375	FORMULA I 37 A 13 400/3/50	54 - 158	1.53 - 4.47	188	13	50	37	1195 x 920 x 1590	640	75	
8090374383	FORMULA I 45 A 8 400/3/50	88 - 250	2.50 - 7.08	116	8	60	45	1300 x 1020 x 1765	960	75	
8090374391	FORMULA I 45 A 10 400/3/50	73 - 214	2.08 - 6.07	145	10	60	45	1300 x 1020 x 1765	960	75	
8090374409	FORMULA I 45 A 13 400/3/50	61 - 185	1.74 - 5.25	188	13	60	45	1300 x 1020 x 1765	960	75	
8090374417	FORMULA I 55 A 8 400/3/50	118 - 320	3.35 - 9.05	116	8	75	55	1300 x 1020 x 1765	1060	76	
8090374425	FORMULA I 55 A 10 400/3/50	101 - 275	2.85 - 7.80	145	10	75	55	1300 x 1020 x 1765	1060	76	
8090374433	FORMULA I 55 A 13 400/3/50	83 - 233	2.35 - 6.60	188	13	75	55	1300 x 1020 x 1765	1060	76	
8090374441	FORMULA I 75 A 8 400/3/50	161 - 438	4.55 - 12.40	116	8	100	75	1550 x 1325 x 1800	1390	76	
8090374458	FORMULA I 75 A 10 400/3/50	138 - 381	3.90 - 10.80	145	10	100	75	1550 x 1325 x 1800	1390	76	
8090374466	FORMULA I 75 A 13 400/3/50	116 - 325	3.30 - 9.20	188	13	100	75	1550 x 1325 x 1800	1390	76	

* Awaiting updated image showing new Mk V Graphic controller *

- Low noise levels due to noise reducing fan and sound attenuating foam
- Vertical arrangement with poly V belt transmission with a service interval of 12,000 hours
- Water separator as standard
- Phase sequence relay as standard
- Schneider contactors fitted in conjunction with Vacon inverter and Mk V graphic controller for optimum operation
- Easy access to all service components with large removeable access panels





PAINTED VERTICAL AIR RECEIVERS

ABAC Code	Model Description	Working Pressure Bar	Capacity Litres	Port Size
PAINTED VERTICAL AIR RECEIVERS				
2236100970	TANK.VERT.100 11B CE 5015+KIT	11	100	3/4"
2236100971	TANK VERT.200 11B CE 5015+KIT	11	200	1"
2236100972	TANK VERT.270 11B CE 5015+KIT	11	270	1"
2236100973	TANK VERT.500 11B CE 5015+KIT	11	500	1"
2236100974	TANK VERT.720 11B CE 5015+KIT	10.8	720	1"
2236100975	TANK VERT.900 11B CE 5015+KIT	11	900	1 1/2"
2236100976	TANK VERT.1000 12 PED 5015+KIT	12	1000	2"
4101000924	RECEIVER V1500 11,5B PAINT	12	1500	2"
4101000928	RECEIVER V2000 11,5B PAINT	11.5	2000	2"
4101000932	RECEIVER V3000 11,5B PAINT	11.5	3000	3"
4101000936	RECEIVER V4000 11,5B PAINT	11.5	4000	3"
4101000940	RECEIVER V5000 11,5B PAINT	11.5	5000	3"
PAINTED VERTICAL AIR RECEIVERS - High Pressure				
4101000944	RECEIVER V500 16B PAINT	15	500	2"
4101000946	RECEIVER V1000 16B PAINT	15	1000	2"
4101000948	RECEIVER V1500 16B PAINT	16	1500	2"
4101000950	RECEIVER V2000 16B PAINT	16	2000	2"
4101000969	RECEIVER V3000 16B PAINT	16	3000	2"
4101000972	RECEIVER V4000 16B PAINT	16	4000	2"
4101000975	RECEIVER V5000 16B PAINT	16	5000	2"
RECEIVER KITS * (include Safety Valve, Pressure Gauge, MF 90° elbow and ball valve drain).				
4101000980	Receiver Kit 200-900	11		
4101000981	Receiver Kit 1000-5000	11.5		
4101000982	Receiver Kit 500-2000 HP	16		

* Receiver kits are included for all receivers up to 3000 litres. For 4000 & 5000 litres receivers a receiver kit must be ordered.
 Receiver sizing guide: installed compressor motor hp x 30 = litre guide (10hp = 300 litre)
 Larger receivers are available : please contact your area sales manager for details.

GALVANISED VERTICAL AIR RECEIVERS

ABAC Code	Model Description	Working Pressure Bar	Capacity Litres	Port Size
GALVANISED VERTICAL AIR RECEIVERS				
4101000902	RECEIVER V200 11B ZINC	11	200	3/4"
4101000906	RECEIVER V270 11B ZINC	11	270	3/4"
4101000910	RECEIVER V500 11B ZINC	11	500	1 1/2"
4101000914	RECEIVER V725 10,8B ZINC	10.8	720	1 1/2"
4101000918	RECEIVER V900 11B ZINC	11	900	2"
4101000922	RECEIVER V1000 11,5B ZINC	11.5	1000	2"
4101000926	RECEIVER V1500 11,5B ZINC	11.5	1500	2"
4101000930	RECEIVER V2000 11,5B ZINC	11.5	2000	2"
4101000934	RECEIVER V3000 11,5B ZINC	11.5	3000	3"
4101000938	RECEIVER V4000 11,5B ZINC	11.5	4000	3"
4101000942	RECEIVER V5000 11,5B ZINC	11.5	5000	3"
GALVANISED VERTICAL AIR RECEIVERS - High Pressure				
4101000963	RECEIVER V500 16B ZINC	16	500	2"
4101000965	RECEIVER V1000 16B ZINC	16	1000	2"
4101000967	RECEIVER V2000 16B ZINC	16	2000	2"
4101000970	RECEIVER V3000 16B ZINC	16	3000	2"
4101000973	RECEIVER V4000 16B ZINC	16	4000	2"
4101000976	RECEIVER V5000 16B ZINC	16	5000	2"
RECEIVER KITS * (include Safety Valve, Pressure Gauge, MF 90° elbow and ball valve drain).				
4101000980	Receiver Kit 200-900	11		
4101000981	Receiver Kit 1000-5000	11.5		
4101000982	Receiver Kit 500-2000 HP	16		

* Receiver kits are included for all receivers up to 3000 litres. For 4000 & 5000 litres receivers a receiver kit must be ordered.
 Receiver sizing guide: installed compressor motor hp x 30 = litre guide (10hp = 300 litre)
 Larger receivers are available : please contact your area sales manager for details.





DRY Refrigerant Dryers - PDP Indicator as Standard

ABAC Code	Model Description	Platform	CAPACITY @ 5°C PDP		CAPACITY @ 3°C PDP		Pressure	Power Supply	Connection BSP	Dimensions L x W x H (mm)	Weight Kg
			CFM	m3/hour	CFM	m3/hour					
4102000740	DRY 20	A0	11.8	20	10.8	18.4	16	230/50/1	3/4" M	350 x 500 x 450	19
4102000741	DRY 25	A0	14.7	25	12.4	21	16	230/50/1	3/4" M	350 x 500 x 450	19
4102000742	DRY 45	A1	26.5	45	21.2	36	16	230/50/1	3/4" M	350 x 500 x 450	19
4102000743	DRY 60	A2	35.3	60	30	51	16	230/50/1	3/4" M	350 x 500 x 450	20
4102000744	DRY 85	A3	50	85	42.4	72	16	230/50/1	3/4" M	350 x 500 x 450	25
4102000745	DRY 130	A4	76.5	130	64.4	110	16	230/50/1	3/4" M	350 x 500 x 450	27
4102003223	DRY 165	E5	97.1	165	83	141	13	230/50/1	1" F	370 x 500 x 764	44
4102003224	DRY 210	E6	124	210	106	180	13	230/50/1	1" F	370 x 500 x 764	44
4102002718	DRY 250	E7	147	250	127	216	13	230/50/1	1 1/2" F	460 x 560 x 789	53
4102002719	DRY 290	E7.5	171	290	145	246	13	230/50/1	1 1/2" F	460 x 560 x 789	60
4102002720	DRY 360	E8	212	360	184	312	13	230/50/1	1 1/2" F	460 x 560 x 789	65
4102002721	DRY 460	E9	271	460	230	390	13	230/50/1	1 1/2" F	580 x 590 x 899	80
4102002722	DRY 530	E10	312	530	272	462	13	230/50/1	1 1/2" F	580 x 590 x 899	80
4102003794	DRY 690	E11	406	690	353	600	13	400/50/3	2" F	735 x 898 x 962	128
4102003795	DRY 830	E12	489	830	424	720	13	400/50/3	2" F	735 x 898 x 962	146
4102003796	DRY1040	E13	612	1040	530	930	13	400/50/3	2" F	735 x 898 x 962	158
4102003797	DRY1260	E14	742	1260	636	1080	13	400/50/3	2" F	735 x 898 x 962	165

Refrigerant Dryer Options

ABAC Code	Description	Size
4101000652	FILTER SUPPORT, INCLUDING PIPING AND BRACKETS - DRY20-130	1/2" G
4101000653	FILTER SUPPORT & BYPASS, INCLUDING PIPING AND BRACKETS - DRY20-130	1/2" G

Notes: * Filters shown within images are not included in the above options - shown to illustrate assembled kits for A0-A4 platform dryers.

HAD (Timer) Adsorption Dryers

ABAC Code	Model Description	Platform	Working Pressure Range	Set Pressure	Air Flow CFM @ PDP(1)		Inlet/Outlet Connection	Pre Filter (2)		
			Bar	Bar	-40°C	-70°C	BSP"	0.1 micron 0.1 mg/m ³ "	0.01 micron	1 micron
8102822304	HAD 7	D2	4 - 14.5	7	4	3	3/8"	n/a	C 45	INTEGRATED
8102822312	HAD 11	D3	4 - 14.5	7	6	4	3/8"	n/a	C 45	INTEGRATED
8102822320	HAD 18	D5	4 - 14.5	7	10	7	3/8"	n/a	C 45	INTEGRATED
8102822338	HAD 25	D7	4 - 14.5	7	15	11	3/8"	n/a	C 45	INTEGRATED
8102822346	HAD 40	D12	4 - 14.5	7	25	17	3/8"	n/a	C 45	INTEGRATED
8102822353	HAD 60	D16	4 - 14.5	7	35	24	3/8"	n/a	C 90	INTEGRATED
TWIN TOWER TIMER VERSION										
8102823120	HAD 650 Timer	D150	4 - 11	7	381	267	1 1/2"	G 685	C 685	S 685
8102823153	HAD 800 Timer	D185	4 - 11	7	466	326	1 1/2"	G 935	C 935	S 935
8102823195	HAD 1080 Timer	D250	4 - 11	7	636	445	2"	G 1295	C 1295	S 1295
8102823237	HAD 1300 Timer	D300	4 - 11	7	763	534	2"	G 1295	C 1295	S 1295
TWIN TOWER SENSOR VERSION										
8102823146	HAD 650 Sensor	D150	11 - 14.5	12.5	381	267	1 1/2"	G 685	C 685	S 685
8102823179	HAD 800 Sensor	D185	11 - 14.5	12.5	466	326	1 1/2"	G 935	C 935	S 935
8102823211	HAD 1080 Sensor	D250	11 - 14.5	12.5	636	445	2"	G 1295	C 1295	S 1295
8102823252	HAD 1300 Sensor	D300	11 - 14.5	12.5	763	534	2"	G 1295	C 1295	S 1295



Adsorption Dryer Options

ABAC Code	Description
8092260853	Wall/ Foot Mounting Kit HAD 7 - 60
0000020505	PDP-40°C HAD 650
0000020151	Option PDP Sensor Mid-range HAD 90-940
0000020152	Option wall mount single Mid-range
8092265258	Retrofit PDP Sensor Mid-range HAD 90-940
8092261792	Retrofit wall monut single Mid-range
0000020605	PDP-40°C HAD 800
0000020705	PDP-40°C HAD 1080
0000020805	PDP-40°C HAD 1300
0000020511	PDP-70°C HAD 650
0000020611	PDP-70°C HAD 800
0000020711	PDP-70°C HAD 1080
0000020811	PDP-70°C HAD 1300

- Filters are fixed directly to HAD 7 to HAD 60 and are included.
- Filters have to be mounted in the distribution line on HAD 90 to HAD1300 (they are included but are not pre-mounted).
- HAD 650 to HAD 1300 must be ordered with -40°C or -70°C dewpoint option part number.
- PDP -70°C option reduces dryer flow please consult the brochure or your ASM for advice.

HAD (Timer) Adsorption Dryers - NEW Mid Range Extruded Column

ABAC Code	Description	Pdp	Capacity In Cfm @ Pdp		Pressure Range Bar(G)	Average Purge %	Connection Port Bsp	Pre Filter 0.1 Micron	Pre Filter 0.01 Micron	After Filter 1 Micron
			-20°C	-40°C						
HAD (TIMER) ADSORPTION DRYERS -20°C PDP 230 VOLT STD CONTROLLER										
8102364455	HAD 90-20C 230V	-20°C	53	-	4 - 14	16.5%	1/2" BSP	n/a	C90	S90
8102364463	HAD125-20C 230V	-20°C	74	-	4 - 14	17.0%	1/2" BSP	n/a	C125	S125
8102364471	HAD160-20C 230V	-20°C	95	-	4 - 14	17.5%	1" BSP	n/a	C180	S180
8102364489	HAD200-20C 230V	-20°C	116	-	4 - 14	17.5%	1" BSP	n/a	C290	S290
8102364497	HAD235-20C 230V	-20°C	137	-	4 - 14	17.5%	1" BSP	n/a	C290	S290
8102364505	HAD325-20C 230V	-20°C	190	-	4 - 14	17.5%	1 1/2" BSP	n/a	C505	S505
8102364513	HAD400-20C 230V	-20°C	233	-	4 - 14	17.5%	1 1/2" BSP	n/a	C505	S505
8102364521	HAD470-20C 230V	-20°C	275	-	4 - 14	18.0%	1 1/2" BSP	n/a	C505	S505
8102364539	HAD600-20C 230V	-20°C	349	-	4 - 14	18.0%	1 1/2" BSP	n/a	C685	S685
8102364547	HAD700-20C 230V	-20°C	413	-	4 - 14	18.0%	1 1/2" BSP	n/a	C935	S935
8102364554	HAD940-20C 230V	-20°C	550	-	4 - 14	18.0%	1 1/2" BSP	n/a	C935	S935
HAD (TIMER) ADSORPTION DRYERS -40°C PDP 230 VOLT STD CONTROLLER										
8102364232	HAD 90-40C 230V	-40°C	-	53	4 - 14	18.5%	1/2" BSP	n/a	C90	S90
8102364240	HAD125-40C 230V	-40°C	-	74	4 - 14	18.5%	1/2" BSP	n/a	C125	S125
8102364257	HAD160-40C 230V	-40°C	-	95	4 - 14	18.5%	1" BSP	n/a	C180	S180
8102364265	HAD200-40C 230V	-40°C	-	116	4 - 14	18.5%	1" BSP	n/a	C290	S290
8102364273	HAD235-40C 230V	-40°C	-	137	4 - 14	18.5%	1" BSP	n/a	C290	S290
8102364281	HAD325-40C 230V	-40°C	-	190	4 - 14	18.5%	1 1/2" BSP	n/a	C505	S505
8102364299	HAD400-40C 230V	-40°C	-	233	4 - 14	18.5%	1 1/2" BSP	n/a	C505	S505
8102364307	HAD470-40C 230V	-40°C	-	275	4 - 14	18.5%	1 1/2" BSP	n/a	C505	S505
8102364315	HAD600-40C 230V	-40°C	-	349	4 - 14	18.5%	1 1/2" BSP	n/a	C685	S685
8102364323	HAD700-40C 230V	-40°C	-	413	4 - 14	18.5%	1 1/2" BSP	n/a	C935	S935
8102364331	HAD940-40C 230V	-40°C	-	550	4 - 14	18.5%	1 1/2" BSP	n/a	C935	S935

Notes: 115 volt units are available, specification and performance is the same however part numbers are different, consult your Area Sales Manager for part numbers.



High Efficiency Filters

Code	Description	Nominal Capacity			Max Pressure		Size Port G	Complete Filter List Price	Replacement Element	
		l/min	m3/hr	cfm	Psi	Bar			Code	
P = PREFILTER: OIL AEROSOL AND SOLID PARTICLES :- 1MG/M3 OIL, 0.1 MICRON PARTICLES										
ELEMENT CHANGE RECOMMENDATION : AFTER 4,000 HOURS OR 1 YEAR*										
8102849828	P 45 FILTER (3/8")	720	43	25	232	16	3/8"	£161	2258290101	
8102849836	P 90 FILTER (1/2")	1500	90	53	232	16	1/2"	£202	2258290102	
8102849844	P 125 FILTER (1/2")	2100	126	74	232	16	1/2"	£248	2258290103	
8102849851	P 180 FILTER (3/4")	3000	180	106	232	16	3/4"	£282	2258290104	
8102849869	P 180 FILTER (1")	3000	180	106	232	16	1"	£282	2258290104	
8102849877	P 290 FILTER (1")	4800	288	170	232	16	1"	£345	2258290105	
8102849885	P 505 FILTER (1 1/2")	8400	504	297	232	16	1 1/2"	£483	2258290106	
8102849893	P 685 FILTER (1 1/2")	11400	684	403	232	16	1 1/2"	£714	2258290107	
8102849901	P 935 FILTER (1 1/2")	15600	936	551	232	16	1 1/2"	£846	2258290108	
8102849919	P 1295 FILTER (2")	21600	1296	763	232	16	2"	£1,019	2258290109	
8102849927	P 1295 FILTER (2 1/2")	21600	1296	763	232	16	2 1/2"	£1,019	2258290109	
8102849935	P 1890 FILTER (3")	31500	1890	1112	232	16	3"	£1,353	2258290110	
8102849943	P 2430 FILTER (3")	40500	2430	1430	232	16	3"	£1,704	2258290111	
G = COALESCING FILTER: OIL AEROSOL, LIQUID WATER AND SOLID PARTICLES :- 0.1MG/M3 OIL										
ELEMENT CHANGE RECOMMENDATION : AFTER 4,000 HOURS OR 1 YEAR*. PRECEDE WITH: CYCLONIC SEPARATOR										
8102849950	G 45 FILTER (3/8")	720	43	25	232	16	3/8"	£161	2258290112	
8102849968	G 90 FILTER (1/2")	1500	90	53	232	16	1/2"	£202	2258290113	
8102849976	G 125 FILTER (1/2")	2100	126	74	232	16	1/2"	£248	2258290114	
8102849984	G 180 FILTER (3/4")	3000	180	106	232	16	3/4"	£282	2258290115	
8102849992	G 180 FILTER (1")	3000	180	106	232	16	1"	£282	2258290115	
8102850503	G 290 FILTER (1")	4800	288	170	232	16	1"	£345	2258290116	
8102850511	G 505 FILTER (1 1/2")	8400	504	297	232	16	1 1/2"	£483	2258290117	
8102850529	G 685 FILTER (1 1/2")	11400	684	403	232	16	1 1/2"	£714	2258290118	
8102850537	G 935 FILTER (1 1/2")	15600	936	551	232	16	1 1/2"	£846	2258290119	
8102850545	G 1295 FILTER (2")	21600	1296	763	232	16	2"	£1,019	2258290120	
8102850552	G 1295 FILTER (2 1/2")	21600	1296	763	232	16	2 1/2"	£1,019	2258290120	
8102850560	G 1890 FILTER (3")	31500	1890	1112	232	16	3"	£1,353	2258290121	
8102850578	G 2430 FILTER (3")	40500	2430	1430	232	16	3"	£1,704	2258290122	

Notes: *Air Quality testing and Differential Pressure are the only ways to judge exact change out period for the specific site conditions and air quality requirements.

** Elements are subject to parts discount structure, not machine discount.



High Efficiency Filters - Continued..

Code	Description	Nominal Capacity			Max Pressure		Size Port G	Complete Filter List Price	Replacement Element	
		l/min	m3/hr	cfm	Psi	Bar			Code	
S = PARTICULATE FILTER: SOLID PARTICLES :- 0.1 MICRON PARTICLES ELEMENT CHANGE RECOMMENDATION : AFTER 4,000 HOURS, 1 YEAR OR 350 MBAR PRESSURE DROP*										
8102850586	S 45 FILTER (3/8")	720	43	25	232	16	3/8"	£161	2258290112	
8102850594	S 90 FILTER (1/2")	1500	90	53	232	16	1/2"	£202	2258290113	
8102850602	S 125 FILTER (1/2")	2100	126	74	232	16	1/2"	£248	2258290114	
8102850610	S 180 FILTER (3/4")	3000	180	106	232	16	3/4"	£282	2258290115	
8102850628	S 180 FILTER (1")	3000	180	106	232	16	1"	£282	2258290115	
8102850636	S 290 FILTER (1")	4800	288	170	232	16	1"	£345	2258290116	
8102850644	S 505 FILTER (1 1/2")	8400	504	297	232	16	1 1/2"	£483	2258290117	
8102850651	S 685 FILTER (1 1/2")	11400	684	403	232	16	1 1/2"	£714	2258290118	
8102850669	S 935 FILTER (1 1/2")	15600	936	551	232	16	1 1/2"	£846	2258290119	
8102850677	S 1295 FILTER (2")	21600	1296	763	232	16	2"	£1,019	2258290120	
8102850685	S 1295 FILTER (2 1/2")	21600	1296	763	232	16	2 1/2"	£1,019	2258290120	
8102850693	S 1890 FILTER (3")	31500	1890	1112	232	16	3"	£1,353	2258290121	
8102850701	S 2430 FILTER (3")	40500	2430	1430	232	16	3"	£1,704	2258290122	
C = HIGH EFFICIENCY COALESCING FILTER: OIL AEROSOL AND SOLID PARTICLES :- 0.01MG/M3 OIL ELEMENT CHANGE RECOMMENDATION : AFTER 4,000 HOURS OR 1 YEAR*. PRECEDE WITH: G FILTER										
8102850719	C 45 FILTER (3/8")	720	43	25	232	16	3/8"	£161	2258290123	
8102850727	C 90 FILTER (1/2")	1500	90	53	232	16	1/2"	£202	2258290124	
8102850735	C 125 FILTER (1/2")	2100	126	74	232	16	1/2"	£248	2258290125	
8102850743	C 180 FILTER (3/4")	3000	180	106	232	16	3/4"	£282	2258290126	
8102850750	C 180 FILTER (1")	3000	180	106	232	16	1"	£282	2258290126	
8102850768	C 290 FILTER (1")	4800	288	170	232	16	1"	£345	2258290127	
8102850776	C 505 FILTER (1 1/2")	8400	504	297	232	16	1 1/2"	£483	2258290128	
8102850784	C 685 FILTER (1 1/2")	11400	684	403	232	16	1 1/2"	£714	2258290129	
8102850792	C 935 FILTER (1 1/2")	15600	936	551	232	16	1 1/2"	£846	2258290130	
8102850800	C 1295 FILTER (2")	21600	1296	763	232	16	2"	£1,019	2258290131	
8102850818	C 1295 FILTER (2 1/2")	21600	1296	763	232	16	2 1/2"	£1,019	2258290131	
8102850826	C 1890 FILTER (3")	31500	1890	1112	232	16	3"	£1,353	2258290132	
8102850834	C 2430 FILTER (3")	40500	2430	1430	232	16	3"	£1,704	2258290133	



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High Efficiency Filters - Continued..

Code	Description	Nominal Capacity			Max Pressure		Size Port G	Complete Filter List Price	Replacement Element	
		l/min	m3/hr	cfm	Psi	Bar			Code	
D = HIGH EFFICIENCY PARTICULATE FILTER: SOLID PARTICLES :- 0.06 MICRON PARTICLES										
ELEMENT CHANGE RECOMMENDATION : AFTER 4,000 HOURS, 1 YEAR OR 350 MBAR PRESSURE DROP*. PRECEDE WITH: S FILTER										
8102850842	D 45 FILTER (3/8")	720	43	25	232	16	3/8"	£161	2258290123	
8102850859	D 90 FILTER (1/2")	1500	90	53	232	16	1/2"	£202	2258290124	
8102850867	D 125 FILTER (1/2")	2100	126	74	232	16	1/2"	£248	2258290125	
8102850875	D 180 FILTER (3/4")	3000	180	106	232	16	3/4"	£282	2258290126	
8102850883	D 180 FILTER (1")	3000	180	106	232	16	1"	£282	2258290126	
8102850891	D 290 FILTER (1")	4800	288	170	232	16	1"	£345	2258290127	
8102850909	D 505 FILTER (1 1/2")	8400	504	297	232	16	1 1/2"	£483	2258290128	
8102850917	D 685 FILTER (1 1/2")	11400	684	403	232	16	1 1/2"	£714	2258290129	
8102850925	D 935 FILTER (1 1/2")	15600	936	551	232	16	1 1/2"	£846	2258290130	
8102850933	D 1295 FILTER (2")	21600	1296	763	232	16	2"	£1,019	2258290131	
8102850941	D 1295 FILTER (2 1/2")	21600	1296	763	232	16	2 1/2"	£1,019	2258290131	
8102850958	D 1890 FILTER (3")	31500	1890	1112	232	16	3"	£1,353	2258290132	
8102850966	D 2430 FILTER (3")	40500	2430	1430	232	16	3"	£1,704	2258290133	
V = ACTIVATED CARBON FILTER: OIL VAPOUR AND ODOUR :- 0.003MG/M3 OIL										
ELEMENT CHANGE RECOMMENDATION : AFTER 1,000 HOURS AT 20°C OR 1 YEAR*. PRECEDE WITH: G AND C FILTER										
8102850974	V 45 FILTER (3/8")	720	43	25	232	16	3/8"	£161	2258290134	
8102850982	V 90 FILTER (1/2")	1500	90	53	232	16	1/2"	£202	2258290135	
8102850990	V 125 FILTER (1/2")	2100	126	74	232	16	1/2"	£248	2258290136	
8102851006	V 180 FILTER (3/4")	3000	180	106	232	16	3/4"	£282	2258290137	
8102851014	V 180 FILTER (1")	3000	180	106	232	16	1"	£282	2258290137	
8102851022	V 290 FILTER (1")	4800	288	170	232	16	1"	£345	2258290138	
8102851030	V 505 FILTER (1 1/2")	8400	504	297	232	16	1 1/2"	£483	2258290139	
8102851048	V 685 FILTER (1 1/2")	11400	684	403	232	16	1 1/2"	£714	2258290140	
8102851055	V 935 FILTER (1 1/2")	15600	936	551	232	16	1 1/2"	£846	2258290141	
8102851063	V 1295 FILTER (2")	21600	1296	763	232	16	2"	£1,019	2258290142	
8102851071	V 1295 FILTER (2 1/2")	21600	1296	763	232	16	2 1/2"	£1,019	2258290142	
8102851089	V 1890 FILTER (3")	31500	1890	1112	232	16	3"	£1,353	2258290143	
8102851097	V 2430 FILTER (3")	40500	2430	1430	232	16	3"	£1,704	2258290144	

Notes: *Air Quality testing and Differential Pressure are the only ways to judge exact change out period for the specific site conditions and air quality requirements.

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High Efficiency Filters - Continued..

Code	Description	Nominal Capacity			Max Pressure		Size Port
		l/min	m3/hr	cfm	Psi	Bar	G
CYCLONIC MOISTURE SEPARATORS (WITH MANUAL DRAIN)							
8973020269	Cyclonic separator ASA1	2010	121	71	232	16	1/2"
8973020270	Cyclonic separator ASA2	2577	155	91	232	16	1/2"
8973020271	Cyclonic separator ASA3	3908	234	138	232	16	3/4"
8973020272	Cyclonic separator ASA4	6088	365	215	232	16	1"
8973020273	Cyclonic separator ASA5	12827	770	453	232	16	1 1/2"
8973020274	Cyclonic separator ASA6	21322	1279	753	232	16	2"
8973020275	Cyclonic separator ASA7	41002	2460	1448	232	16	2 1/2"



Filters Options

Code	Description	Size
8092242968	WALL MOUNTING KIT	3/8" and 1/2"
8092242976	WALL MOUNTING KIT	3/4" and 1"
8092242984	WALL MOUNTING KIT	1 1/2"
8092242992	WALL MOUNTING KIT	2" and 2 1/2"
8092243008	WALL MOUNTING KIT	3"
8092243016	CONNECTION KIT	3/8" and 1/2"
8092243024	CONNECTION KIT	3/4" and 1"
8092243032	CONNECTION KIT	1 1/2"
8092243040	CONNECTION KIT	2" and 2 1/2"
8092243057	CONNECTION KIT	3"
8055216447	POT. FREE CONTACT NO	ALL
8055216488	POT. FREE CONTACT NC	ALL
2901056300	AUTOMATIC DRAIN KIT	ALL **
1624117200	DIFF. PRESS. GAUGE	ALL **
2901061100	MANUAL DRAIN VALVE KIT	ALL **
2901056200	SIGHT GLASS KIT	ALL **
1617708202	QUICK COUPLING G 1/4 FEMALE	ALL **
1617704800	DIFF.PRESSURE INDICATOR	ALL **
1617708201	QUICK COUPLING G 1/8+ MALE	ALL **
1617708203	QUICK COUPLING DIA 6MM HOSE	ALL **
2901069200	CONNECTION KIT EWD	ALL **
2901206803	CONNECTION KIT LD DRAIN (1/2+)	ALL **
2901206804	KIT DRAIN PNL50 - 230V 50/60HZ	ALL **
2901206805	KIT DRAIN PNL50 - 110V 50/60HZ	ALL **
2901206806	KIT DRAIN PNL50 - 24V 50/60HZ	ALL **

Auto Drains

ABAC Code	Description	Drain Type	Compressor Capacity (m3/min)	Dryer Capacity (m3/min)	Filter Capacity (m3/min)	Power Supply
AUTO DRAINS						
0079500000	Mechanic G120	Sensor level Drain	15	30	150	N/A
0079520000	Timer E200	Timer Drain	30	60	300	230/50/1
8102855007	TD 230V 50/60Hz G 1/2	Timer Drain	30	60	300	230/50/1
8102855023	TD 24V 50/60Hz G 1/2	Timer Drain	30	60	300	24/50/1
4101000212	LD200	Sensor level Drain	15	30	150	230/50/1
4101000213	LD202	Sensor level Drain	30	60	300	230/50/1
4101000214	LD203	Sensor level Drain	158	316	1583	230/50/1



Oil Water Separators

S SERIES OIL-WATER SEPARATORS						
ABAC Code	Description	Capacity with Dryer		Capacity without Dryer		Weight Empty Kg
		(CFM)	(m3/min)	(CFM)	(m3/min)	
8102045989	WS 13 ABC	50	1.4	64	1.8	4
8102045997	WS 34 ABC	135	3.8	168	4.72	13
8102046003	WS 52 ABC	206	5.8	248	7	15
8102046011	WS 128 ABC	504	14.2	618	17.4	25
8102046029	WS 218 ABC	859	24.2	1079	30	26
8102046037	WS 297 ABC	1171	33	1448	40.8	28
8102046045	WS 425 ABC	1667	47.25	2068	58.25	30
8102046052	WS 850 ABC	3353	94.45	4136	116.5	60



Reference Conditions : Ambient Temperature 25°C : Humidity 60% : Residual Oil 10mg/ltr. NOTES: OWS reference based on standard 12hr shift, correction factors apply for 24hr.

PNEUMATECH ECOBOX

ABAC Code	Description	Rated Flow				Weight Kg	Connections	
		l/s	m3/h	l/min	CFM		Inlet	Out
8102046482	ECOBX	<30	<54	<900	<60	1	6mm	10mm
8102046482/5	ECOBX (Pack of 5)	<30	<54	<900	<60	1	6mm	10mm
8102046482/10	ECOBX (Pack of 10)	<30	<54	<900	<60	1	6mm	10mm
2255330004	Sampling Kit*	158	596	9480	335	3.6	4 x 1/2"	1 x 3/4"

The ECOBOX is designed for mineral-based lubricants. It should not be used with synthetic polyglycol (PAG) lubricants due to its increased solubility in water. Orders of 20 or over will be order from TDC. * Sampling kit is subject to parts discount structure, not machine discount.



Conversion Table

	Start with unitor Symbol	Multiply by	To convert to
Air Flow	Cubic feet per minute	Cfm or ft ³ /min	1.699	m ³ /hr
	Cubic feet per minute	Cfm or ft ³ /min	0.0283	m ³ /min
	Cubic feet per minute	Cfm or ft ³ /min	28.316	l/min
	Cubic metre per minute	m ³ /min	35.31	Cfm or ft ³ /min
	Cubic metre per hour	m ³ /hr	0.5885	Cfm or ft ³ /min
	Litres per minute	l/min	0.0353	Cfm or ft ³ /min
	Litres per second	l/s	2.118	Cfm or ft ³ /min
Air Pressure	Bar	Bar	14.503	lbf/in ²
	Pounds force per square inch	lbf/in ²	0.0689	Bar
	Pounds force per square inch	lbf/in ²	6894.8	N/m ²
	Newton per square metre	N/m ²	1.4504 x 10 ⁴	lbf/in ²
Power	Kilowatt	kW	1.341	Hp
	Horsepower	hp	0.746	kW
Heat Exchange	Kilowatt	kW	3412.14	Btu/h
	British Thermal Unit per hour	Btu/h	0.000293	kW
Capacity	Litre	L	0.22	UK Gal
	Pint	Pt	0.568	L
	Gallon	UK Gal	4.546	L
Mass	Kilogramme	Kg	2.205	lb
	Kilogramme	Kg	1.225	m ³
	Pound	lb	0.454	kg
Length	Millimetre	mm	0.039	in
	Metre	m	3.281	ft
	Inch	in	25.4	mm
	Foot	ft	0.3048	m
Torque	Newton Metre	Nm	0.7375	lbf ft
	Pounds force per foot	lbf ft	1.3558	Nm
Rate of Circulation	Litres per minute	l/min	0.22	UK gal/min
	Gallons per minute	UK gal/min	4.546	l/min

Examples of compressed air consumption for some common machines

Equipment	Compressed air consumption l/min	Utilization factor* of the company	
		Manufacturing	Service center
Drill 10 mm	500	0,2	0,1
Angle grinder 5"	900	0,2	0,2
Angle grinder 7"	1.600	0,1	0,1
Polishing Machine	900	0,1	0,2
Impact Wrench 1/2"	450	0,2	0,1
Impact Wrench 1"	800	0,2	0,1
Chipping hammer	400	0,1	0,05
Varnishing machine	500	0,2	0,3
Pressure cleaner	350	0,05	0,05
Paint Gun	300	0,6	0,1
Small pressure cleaner	300	0,1	0,2
Free-jet blaster 6 mm	2.000	0,6	0,1
Free-jet blaster 8 mm	3.500	0,6	0,1
Breathing mask, light work	50	0,6	0,2
Breathing mask heavy work	200	0,6	0,2
Car lift	180	0,2	0,1
Bus/truck lift	300	0,3	0,2
Pneumatic doors	60	0,4	0,2
Blow gun	90	0,2	0,1
Brake tester	120	0,2	0,1
Vaccum cleaner	180	0,2	0,1
Nail Gun 2 bar	60	0,2	0,1
Nail gun 3,5 bar	120	0,2	0,1
Grease gun	120	0,2	0,1
Tire Changer	30	0,3	0,2
Nut setter (3/8")	150	0,2	0,1
Nut setter (3/4")	210	0,2	0,1
Tire In! ation (car)	60	0,3	0,2
Transmission ! usher	90	0,2	0,1
Heavy paint sprayer (industry)	600	0,3	0,2
Rammer small	90	0,2	0,1
Rammer large	300	0,2	0,1
Jackhammer medium	3.840	0,3	0,2

*) The utilization factor can vary greatly in different applications. The stated value can only be used as a guideline.

Example of a calculation of a garage's average compressed air requirements:

2 drills	$2 \times 500 \times 0.1 = 100$
2 impact wrenches 1/2"	$2 \times 450 \times 0.1 = 90$
1 polishing machine	$900 \times 0.2 = 180$
1 buffing machine	$500 \times 0.3 = 150$
1 paint gun	$300 \times 0.1 = 30$
3 pressure cleaners	$3 \times 350 \times 0.05 = 53$
Total consumption:	603 l/min
Addition for leakage 10 %:	60
Reserve for future needs 30 %:	180
Basis for choosing the compressor:	843 l/min

When selecting the compressor, the compressor's level of utilization must be considered. For screw compressors, 70% utilization rate can be selected, which in this case means a suitable compressor capacity of about 1200 l/min.

The calculation must also take into account how many machines may be operating simultaneously.

The formula for a rough estimate of the compressed air consumption of a pneumatic cylinder:

$$x S \times P \times A \times F = L \frac{D \times D \times 3.14}{4}$$

- S = stroke length in dm
- D = piston diameter in dm
- P = operational pressure in bars
- A = behavior: dual-action = 2, single-action = 1
- F = frequency, number of strokes/min
- L = air consumption in l/min

The calculation formula does not take account of the piston's volume, allowing a slightly higher value than the theoretical accuracy to be achieved. However, this can be a marginal in a practical calculation.