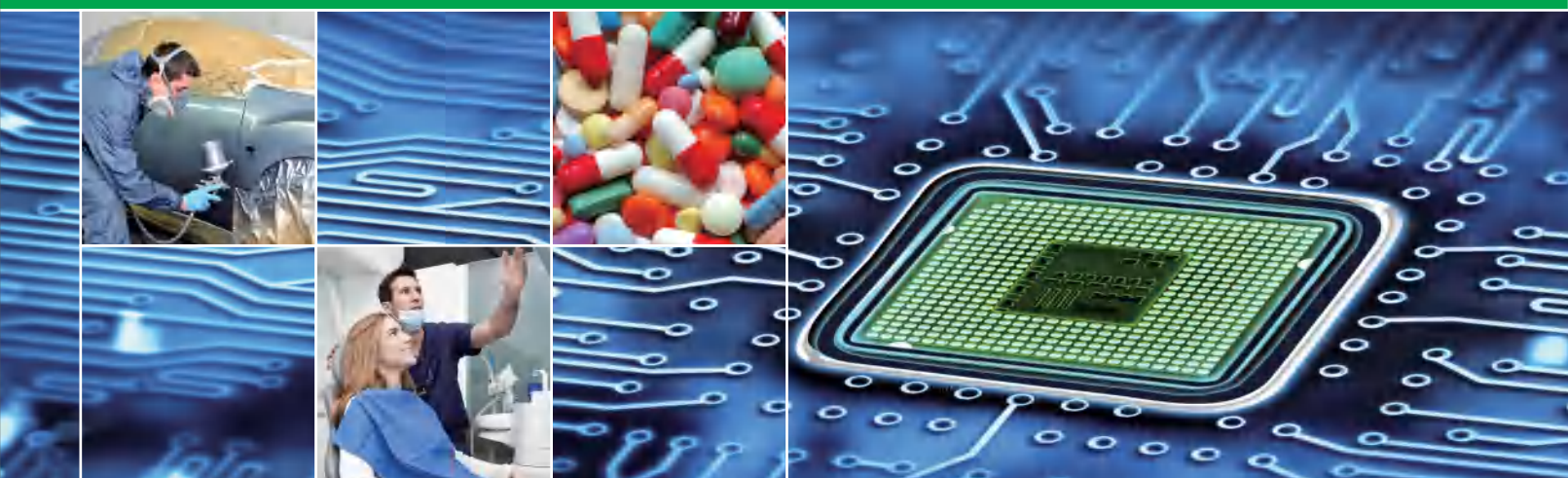


Oil Free

Air Compressors

Installed motor power 2.2 - 500 kW/3 - 670 hp
Free air delivery from 0.22 to 86.01 m³/min,
Pressure 2.5 - 10.0 bar



CONTENTS

- 01 OIL FREE SCROLL AIR COMPRESSOR
- 02 DRY TYPE OIL FREE SCREW AIR COMPRESSOR

P01
P03



OIL FREE SCROLL AIR COMPRESSOR

Features and advantages

Mute, clean, energy saving and efficient.

100% oil free (class 0).

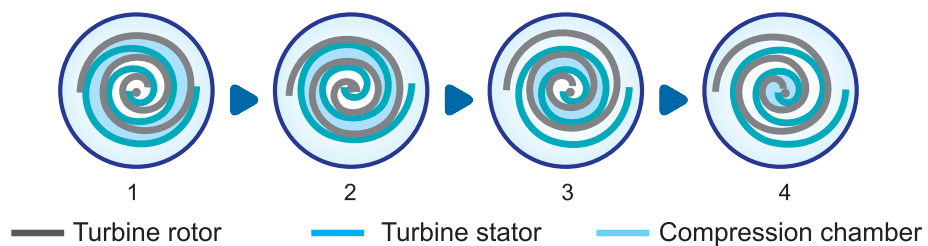
Delivers 11-15% more air compared to similar designs with no additional power.

Better in durability and longevity.



Working principle

The turbine rotor turns in sequence of Picture 1→2→3→4, air is sucked into the space between turbine stator and turbine rotor, the volume of crescent-shaped (in point symmetry) compression chamber gradually decreases, compressed air is discharged through air outlet of central portion.



Technical parameters

Type	Maximum working pressure		Capacity FAD*				Installed motor power		No of air end	Air outlet pipe diameter	Noise Level**	Dimensions(mm)			Weight
			50 Hz		60 Hz										
	bar(g)	psig	m³/min	cfm	m³/min	cfm	kW	hp	Units	inch	[dB(A)]	L	W	H	kg
DWW-2	7.0	102	0.25	9	0.24	8	2.2	3	1	Rc1/2"	65	775	500	838	230
	8.0	116	0.24	9	0.23	8	2.2	3		Rc1/2"	65	775	500	838	230
	10.0	145	0.22	8	0.21	7	2.2	3		Rc1/2"	65	775	500	838	230
DWW-3	7.0	102	0.40	14	0.43	15	3.7	5	1	Rc1/2"	65	775	500	838	230
	8.0	116	0.39	14	0.40	14	3.7	5		Rc1/2"	65	775	500	838	230
	10.0	145	0.37	13	0.37	13	3.7	5		Rc1/2"	65	775	500	838	230
DWW-5	7.0	102	0.59	21	0.47	16	5.5	7.5	2	Rc1"	68	890	600	930	360
	8.0	116	0.59	21	0.46	16	5.5	7.5		Rc1"	68	890	600	930	360
	10.0	145	0.54	19	0.42	15	5.5	7.5		Rc1"	68	890	600	930	360
DWW-7	7.0	102	0.80	28	0.86	30	7.5	10	2	Rc1"	68	1150	760	1020	360
	8.0	116	0.78	28	0.80	28	7.5	10		Rc1"	68	1150	760	1020	360
	10.0	145	0.74	26	0.74	26	7.5	10		Rc1"	68	1150	760	1020	360
DWW-11	7.0	102	1.17	41	1.26	44	11	15	3	Rc1"	70	1100	800	1100	485
	8.0	116	1.17	41	1.20	42	11	15		Rc1"	70	1100	800	1100	485
	10.0	145	1.07	38	1.10	39	11	15		Rc1"	70	1100	800	1100	485
DWW-16	7.0	102	1.76	62	1.73	61	16	20	4	Rc1"	70	1250	900	1700	750
	8.0	116	1.76	62	1.61	57	16	20		Rc1"	70	1250	900	1700	750
	10.0	145	1.61	57	1.47	52	16	20		Rc1"	70	1250	900	1700	750
DWW-18	7.0	102	2.00	71	2.07	73	18.5	25	5	Rc1"	72	1800	1100	1320	700
	8.0	116	1.95	69	1.97	70	18.5	25		Rc1"	72	1800	1100	1320	700
	10.0	145	1.84	65	1.81	64	18.5	25		Rc1"	72	1800	1100	1320	700
DWW-22	7.0	102	2.35	83	2.53	89	22	30	6	Rc1"	72	1250	900	1920	800
	8.0	116	2.35	83	2.41	85	22	30		Rc1"	72	1250	900	1920	800
	10.0	145	2.15	76	2.21	78	22	30		Rc1"	72	1250	900	1920	800
DWW-30	7.0	102	3.20	113	3.44	121	30	40	8	Rc1-1/4"	75	1800	1100	1820	1100
	8.0	116	3.12	110	3.28	116	30	40		Rc1-1/4"	75	1800	1100	1820	1100
	10.0	145	2.95	104	3.01	106	30	40		Rc1-1/4"	75	1800	1100	1820	1100
DWW-37	7.0	102	4.00	141	4.25	150	37	50	10	Rc1-1/2"	75	1800	1100	2080	1400
	8.0	116	3.89	138	4.05	143	37	50		Rc1-1/2"	75	1800	1100	2080	1400
	10.0	145	3.68	130	3.72	131	37	50		Rc1-1/2"	75	1800	1100	2080	1400

*) FAD in accordance with ISO 1217 : 2009, Annex C: Absolute intake pressure 1 bar (a), cooling and air intake temperature 20 °C

**) Noise level as per ISO 2151 and the basic standard ISO 9614-2, operation at maximum operating pressure and maximum speed; tolerance: ± 3 dB(A)

Specifications are subject to change without notice.

DRY TYPE OIL FREE SCREW AIR COMPRESSOR

Features and advantages



01

State-of-the-art Screw Element

- Original Germany GHH air end
- Double stage compression
- Superior Sweden SKF element bearings



02

Advanced Touch Screen Controller and Monitoring System

- Overall system performance status with pro-active service indications, alarms for malfunctions and safety shutdowns
- All monitoring and control functions via one interface, multi-language LCD available.
- Wide communication possibilities



03

Electrical Components

Schneider electrical elements with original package from France, safe and reliable.



04

Stainless Steel Oil Pipe and Air Pipe

- High temperature resistant ($400^{\circ}\text{C}=752^{\circ}\text{F}$) and low temperature resistant ($-270^{\circ}\text{C}=-518^{\circ}\text{F}$), high pressure resistant
- Ultra-long life (80 years), completely leak free and maintenance free



05

Superior Air Filter

- Superior air filter with two-stage dust removal and filtering system with efficiency of up to 99.9% even in heavy-duty environments
- Extends the service life of the compressor parts and components, ensures high air quality



06

Premium Efficiency Drive Motor

- Premium efficiency Totally Enclosed Fan Cooled (TEFC) IP54/IP55 motor (Class F insulation) protects against dust and chemicals etc.
- Long-term stable operation even in harsh environments up to 55°C (131°F)

Technical parameters for 7.0-10.0 bar models

Model	Maximum working pressure		Capacity FAD*				Installed motor power		Cooling Method	Noise level**	Dimensions(mm)			Weight	Air outlet pipe diameter
			50 Hz		60 Hz						[dB(A)]	L	W		
	bar(g)	psig	m³/ min	cfm	m³/ min	cfm	kW	hp							
DWW-45	7.0	102	7.70	272	7.16	253	45	60	Air Cooling W-Water Cooling	75	2500	1600	2080	2090	DN50
	8.0	116	6.73	238	6.48	229	45	60		75	2500	1600	2080	2090	DN50
	10.0	145	5.10	180	5.37	189	45	60		75	2500	1600	2080	2090	DN50
DWW-55	7.0	102	9.60	339	8.87	313	55	75		75	2500	1600	2080	2600	DN50
	8.0	116	8.94	316	8.25	291	55	75		75	2500	1600	2080	2600	DN50
	10.0	145	7.78	275	7.10	251	55	75		75	2500	1600	2080	2600	DN50
DWW-75	7.0	102	12.12	428	12.60	445	75	100		78	2500	1600	2080	2800	DN50
	8.0	116	12.10	428	12.34	436	75	100		78	2500	1600	2080	2800	DN50
	10.0	145	11.10	392	10.43	368	75	100		78	2500	1600	2080	2800	DN50
DWW-75W	7.0	102	12.12	428	12.60	445	75	100		78	2300	1600	1790	2850	DN50
	8.0	116	12.10	428	12.34	436	75	100		78	2300	1600	1790	2850	DN50
	10.0	145	11.10	392	10.43	368	75	100		78	2300	1600	1790	2850	DN50
DWW-90	7.0	102	13.13	464	14.62	516	90	120		78	2500	1600	2080	3000	DN50
	8.0	116	13.11	463	14.60	515	90	120		78	2500	1600	2080	3000	DN50
	10.0	145	13.00	459	12.86	454	90	120		78	2500	1600	2080	3000	DN50
DWW-90W	7.0	102	13.13	464	14.62	516	90	120		78	2300	1600	1790	2850	DN50
	8.0	116	13.11	463	14.60	515	90	120		78	2300	1600	1790	2850	DN50
	10.0	145	13.00	459	12.86	454	90	120		78	2300	1600	1790	2850	DN50
DWW-110	7.0	102	19.50	689	17.50	618	110	150		80	2800	1800	1860	3300	DN65
	8.0	116	18.31	647	17.47	617	110	150		80	2800	1800	1860	3300	DN65
	10.0	145	16.00	565	15.41	544	110	150		80	2800	1800	1860	3300	DN65
DWW-110W	7.0	102	19.50	689	17.50	618	110	150		80	2800	1800	1860	3300	DN65
	8.0	116	18.31	647	17.47	617	110	150		80	2800	1800	1860	3300	DN65
	10.0	145	16.00	565	15.41	544	110	150		80	2800	1800	1860	3300	DN65
DWW-132	7.0	102	23.00	813	23.29	822	132	175		80	2800	1800	1860	3450	DN65
	8.0	116	21.66	765	23.27	822	132	175		80	2800	1800	1860	3450	DN65
	10.0	145	19.44	687	20.46	723	132	175		80	2800	1800	1860	3450	DN65
DWW-132W	7.0	102	23.00	813	23.29	822	132	175		80	2800	1800	1860	3450	DN65
	8.0	116	21.66	765	23.27	822	132	175		80	2800	1800	1860	3450	DN65
	10.0	145	19.44	687	20.46	723	132	175		80	2800	1800	1860	3450	DN65
DWW-160	7.0	102	26.30	929	27.28	963	160	215		80	2800	1800	1860	3550	DN65
	8.0	116	26.23	927	27.26	962	160	215		80	2800	1800	1860	3550	DN65
	10.0	145	23.00	813	26.38	931	160	215		80	2800	1800	1860	3550	DN65
DWW-160W	7.0	102	26.30	929	27.28	963	160	215		80	2800	1800	1860	3550	DN65
	8.0	116	26.23	927	27.26	962	160	215		80	2800	1800	1860	3550	DN65
	10.0	145	23.00	813	26.38	931	160	215		80	2800	1800	1860	3550	DN65

*) FAD in accordance with ISO 1217:2009, Annex C: Absolute intake pressure 1 bar (a), cooling and air intake temperature 20 °C

**) Noise level as per ISO 2151 and the basic standard ISO 9614-2, operation at maximum operating pressure and maximum speed; tolerance: ±3 dB(A)

***) N/A-Not Available

****) VSD models are also available

Specifications are subject to change without notice.

Technical parameters for 7.0-10.0 bar models

Model	Maximum working pressure		Capacity FAD*				Installed motor power		Cooling Method	Noise level** [dB(A)]	Dimensions(mm)			Weight kg	Air outlet pipe diameter
	bar(g)	psig	50 Hz		60 Hz		kW	hp			L	W	H		
DWW-185	7.0	102	29.17	1031	31.20	1102	185	250	Air Cooling W-Water Cooling	80	2800	1800	1860	3950	DN65
	8.0	116	29.13	1029	31.04	1096	185	250		80	2800	1800	1860	3950	DN65
	10.0	145	26.23	927	29.16	1030	185	250		80	2800	1800	1860	3950	DN65
DWW-185W	7.0	102	29.17	1031	31.20	1102	185	250		80	2800	1800	1860	3950	DN65
	8.0	116	29.13	1029	31.04	1096	185	250		80	2800	1800	1860	3950	DN65
	10.0	145	26.23	927	29.16	1030	185	250		80	2800	1800	1860	3950	DN65
DWW-200W	7.0	102	35.00	1237	34.82	1229	200	270		82	3400	1900	2200	4500	DN100
	8.0	116	32.60	1152	34.78	1228	200	270		82	3400	1900	2200	4500	DN100
	10.0	145	29.05	1027	28.42	1004	200	270		82	3400	1900	2200	4500	DN100
DWW-220W	7.0	102	37.63	1330	37.35	1319	220	300		82	3400	1900	2200	5000	DN100
	8.0	116	35.10	1240	37.30	1317	220	300		82	3400	1900	2200	5000	DN100
	10.0	145	32.39	1145	31.30	1105	220	300		82	3400	1900	2200	5000	DN100
DWW-250W	7.0	102	45.20	1597	44.27	1563	250	350		82	3400	1900	2200	5200	DN100
	8.0	116	41.64	1472	44.24	1562	250	350		82	3400	1900	2200	5200	DN100
	10.0	145	37.32	1319	37.20	1314	250	350		82	3400	1900	2200	5200	DN100
DWW-280W	7.0	102	45.50	1608	47.25	1668	280	375		85	3400	2200	2200	6400	DN100
	8.0	116	45.44	1606	47.21	1667	280	375		85	3400	2200	2200	6400	DN100
	10.0	145	41.56	1469	41.23	1456	280	375		85	3400	2200	2200	6400	DN100
DWW-315W	7.0	102	50.09	1770	52.30	1847	315	425		85	3400	2200	2200	6700	DN100
	8.0	116	50.06	1769	52.27	1846	315	425		85	3400	2200	2200	6700	DN100
	10.0	145	45.37	1603	46.60	1645	315	425		85	3400	2200	2200	6700	DN100
DWW-355W	7.0	102	56.96	2011	56.84	2007	355	475		85	5000	2200	2500	9800	DN125
	8.0	116	56.86	2008	56.74	2003	355	475		85	5000	2200	2500	9800	DN125
	10.0	145	49.98	1765	50.32	1777	355	475		85	5000	2200	2500	9800	DN125
DWW-400W	7.0	102	67.36	2378	69.55	2456	400	535		85	5000	2200	2500	9800	DN125
	8.0	116	67.27	2375	69.45	2452	400	535		85	5000	2200	2500	9800	DN125
	10.0	145	56.65	2000	56.55	1997	400	535		85	5000	2200	2500	9800	DN125
DWW-450W	7.0	102	78.07	2757	81.66	2883	450	600		85	5000	2200	2500	9800	DN125
	8.0	116	77.98	2753	N/A	N/A	450	600		85	5000	2200	2500	9800	DN125
	10.0	145	67.10	2369	69.29	2447	450	600		85	5000	2200	2500	9800	DN125
DWW-500W	7.0	102	86.01	3037	N/A	N/A	500	670		85	5000	2200	2500	9800	DN125
	8.0	116	85.92	3034	81.58	2881	500	670		85	5000	2200	2500	9800	DN125
	10.0	145	77.82	2748	N/A	N/A	500	670		85	5000	2200	2500	9800	DN125

*) FAD in accordance with ISO 1217:2009, Annex C: Absolute intake pressure 1 bar (a), cooling and air intake temperature 20 °C

**) Noise level as per ISO 2151 and the basic standard ISO 9614-2, operation at maximum operating pressure and maximum speed; tolerance: ±3 dB(A)

****) N/A-Not Available

*****) VSD models are also available

Specifications are subject to change without notice.

Technical parameters for 2.5-3.0 bar models

Model	Maximum working pressure		Capacity FAD*				Installed motor power		Cooling Method	Noise level** [dB(A)]	Dimensions(mm)			Weight kg	Air outlet pipe diameter
			50 Hz		60 Hz						L	W	H		
	bar(g)	psig	m³/ min	cfm	m³/ min	cfm	kW	hp							
DWL-55-2	2.5	37	15.33	541	14.44	510	55	75	Air Cooling W-Water Cooling	69	2400	1800	1700	2630	DN80
DWL-55-3	3.0	44	12.78	451	10.85	383	55	75		69	2400	1800	1700	2630	DN80
DWL-75-2	2.5	37	19.92	703	20.35	719	75	100		69	2400	1800	1700	2850	DN80
DWL-75-3	3.0	44	16.30	576	15.87	560	75	100		69	2400	1800	1700	2850	DN80
DWL-90-2	2.5	37	26.07	921	26.45	934	90	120		72	2400	1800	1700	2850	DN80
DWL-90-3	3.0	44	19.54	690	19.49	688	90	120		72	2400	1800	1700	2850	DN80
DWL-110(W)-2	2.5	37	33.16	1171	29.90	1056	110	150		72	3000	2000	2000	3450	DN125
DWL-110(W)-3	3.0	44	25.60	904	23.92	845	110	150		72	2400	1800	1700	3450	DN80
DWL-132(W)-2	2.5	37	40.24	1421	40.98	1447	132	175		72	3000	2000	2000	3490	DN125
DWL-132(W)-3	3.0	44	27.23	961	29.43	1039	132	175		72	3000	2000	2000	3490	DN125
DWL-160(W)-2	2.5	37	49.42	1745	49.21	1738	160	215		76	3000	2000	2000	3540	DN125
DWL-160(W)-3	3.0	44	35.75	1262	34.98	1235	160	215		76	3000	2000	2000	3540	DN125
DWL-185(W)-2	2.5	37	55.18	1948	57.17	2019	185	250		79	3000	2000	2000	3640	DN125
DWL-185(W)-3	3.0	44	42.21	1490	44.16	1559	185	250		79	3000	2000	2000	3640	DN125

*) FAD in accordance with ISO 1217:2009, Annex C: Absolute intake pressure 1 bar (a), cooling and air intake temperature 20 °C

**) Noise level as per ISO 2151 and the basic standard ISO 9614-2, operation at maximum operating pressure and maximum speed; tolerance: ±3 dB(A)

***) VSD models are also available

Specifications are subject to change without notice.



P-DNR202404-08 Specifications are subject to change without prior notice.
Never use compressed air as breathing air without prior purification in accordance with local legislation and standards.



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