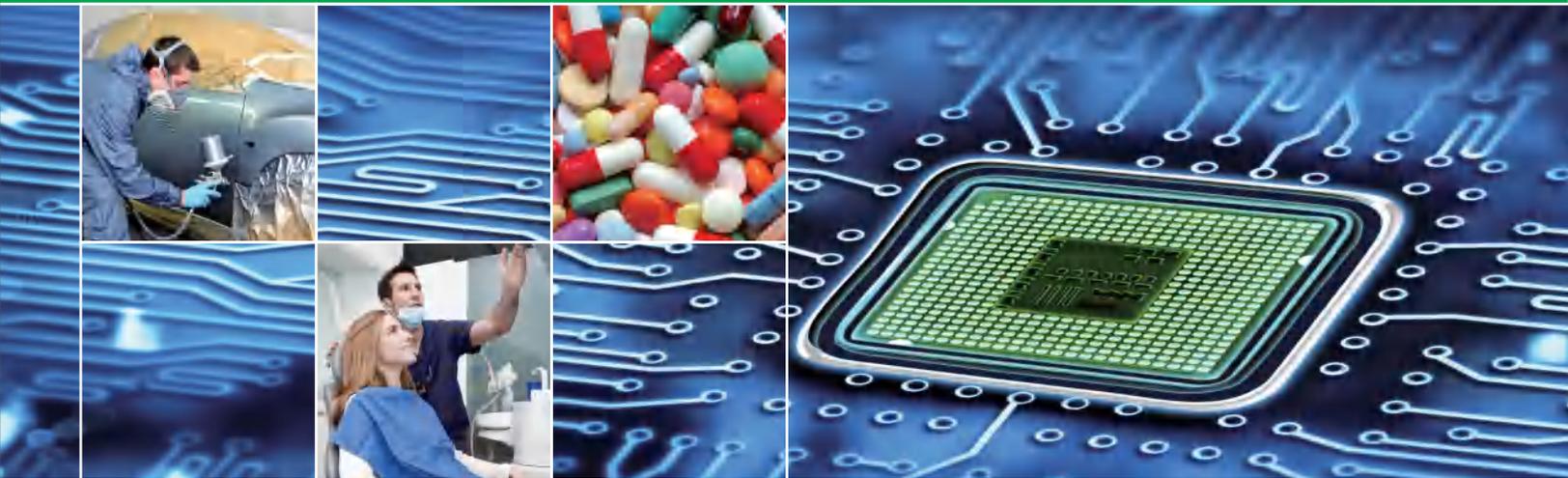


Oil Free Air Compressors

Installed motor power 2.2 - 500 kW/3 - 670 hp
Free air delivery from 0.21 to 86.01 m³/min,
Pressure 2.5 - 10.0 bar



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

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OIL FREE SCROLL AIR COMPRESSOR

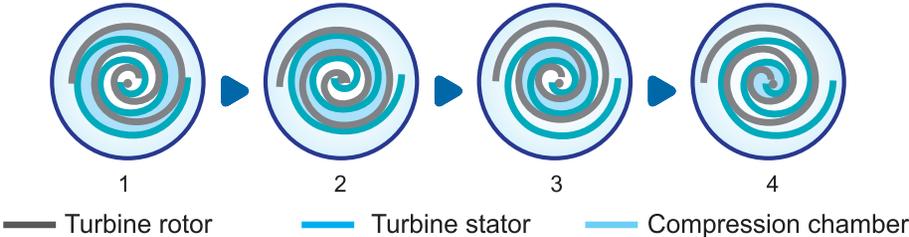
Features and advantages

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							L	W	H	
	bar(g)	psig	m ³ /min	cfm	m ³ /min	cfm	kW	hp	Unit	inch	[dB(A)]				kg
DWW-2	7.0	102	0.25	9	0.25	9	2.2	3	1	Rc1-1/2"	65	775	500	838	155
	8.0	116	0.24	8	0.24	8	2.2	3		Rc1-1/2"	65	775	500	838	155
	10.0	145	0.22	8	0.22	8	2.2	3		Rc1-1/2"	65	775	500	838	155
DWW-3	7.0	102	0.40	14	0.40	14	3.7	5	1	Rc1-1/2"	65	775	500	838	155
	8.0	116	0.39	14	0.39	14	3.7	5		Rc1-1/2"	65	775	500	838	155
	10.0	145	0.37	13	0.37	13	3.7	5		Rc1-1/2"	65	775	500	838	155
DWW-5	7.0	102	0.51	18	0.51	18	5.5	7	1	Rc1-1/2"	65	1150	760	1020	200
	8.0	116	0.48	17	0.48	17	5.5	7		Rc1-1/2"	65	1150	760	1020	200
	10.0	145	0.44	16	0.44	16	5.5	7		Rc1-1/2"	65	1150	760	1020	200
DWW-7	7.0	102	0.80	28	0.80	28	7.5	10	2	Rc3/4"	70	1150	760	1020	285
	8.0	116	0.78	28	0.78	28	7.5	10		Rc3/4"	70	1150	760	1020	285
	10.0	145	0.74	26	0.74	26	7.5	10		Rc3/4"	70	1150	760	1020	285
DWW-11	7.0	102	1.20	42	1.20	42	11	15	2	Rc1-1/2"	70	1100	800	1100	375
	8.0	116	1.17	41	1.17	41	11	15		Rc1-1/2"	70	1100	800	1100	375
	10.0	145	1.11	39	1.11	39	11	15		Rc1-1/2"	70	1100	800	1100	375
DWW-16	7.0	102	1.60	56	1.60	56	16.5	22	3	Rc1-1/2"	72	1880	1240	1340	750
	8.0	116	1.56	55	1.56	55	16.5	22		Rc1-1/2"	72	1880	1240	1340	750
	10.0	145	1.47	52	1.47	52	16.5	22		Rc1-1/2"	72	1880	1240	1340	750
DWW-18	7.0	102	2.00	71	2.00	71	18.5	25	4	Rc1-1/2"	75	1250	900	1920	805
	8.0	116	1.95	69	1.95	69	18.5	25		Rc1-1/2"	75	1250	900	1920	805
	10.0	145	1.84	65	1.84	65	18.5	25		Rc1-1/2"	75	1250	900	1920	805
DWW-22	7.0	102	2.40	85	2.40	85	22	30	4	Rc1-1/2"	77	1250	900	1920	910
	8.0	116	2.34	83	2.34	83	22	30		Rc1-1/2"	77	1250	900	1920	910
	10.0	145	2.21	78	2.21	78	22	30		Rc1-1/2"	77	1250	900	1920	910
DWW-27	7.0	102	2.99	106	2.99	106	27.5	37	5	Rc1-1/2"	79	2000	1236	1665	1150
	8.0	116	2.98	105	2.98	105	27.5	37		Rc1-1/2"	79	2000	1236	1665	1150
	10.0	145	2.59	91	2.59	91	27.5	37		Rc1-1/2"	79	2000	1236	1665	1150
DWW-33	7.0	102	3.20	113	3.20	113	33	45	6	Rc1-1/2"	82	2000	1236	1650	1160
	8.0	116	3.12	110	3.12	110	33	45		Rc1-1/2"	82	2000	1236	1650	1160
	10.0	145	2.95	104	2.95	104	33	45		Rc1-1/2"	82	2000	1236	1650	1160
DWW-38	7.0	102	4.00	141	4.00	141	37	50	7	Rc1-1/2"	83	2000	1236	2150	1160
	8.0	116	3.89	137	3.89	137	37	50		Rc1-1/2"	83	2000	1236	2150	1160
	10.0	145	3.68	130	3.68	130	37	50		Rc1-1/2"	83	2000	1236	2150	1160
DWW-44	7.0	102	4.79	169	4.79	169	44	60	8	Rc1-1/2"	86	2000	1236	2165	1620
	8.0	116	4.77	168	4.77	168	44	60		Rc1-1/2"	86	2000	1236	2165	1620
	10.0	145	4.14	146	4.14	146	44	60		Rc1-1/2"	86	2000	1236	2165	1620

*) 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



State-of-the-art Screw Element

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



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



Electrical Components

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



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



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



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						L	W	H		
	bar(g)	psig	m³/min	cfm	m³/min	cfm	kW	hp						[dB(A)]	
DWW-45	7.0	102	7.70	272	7.16	253	45	60	Air Cooling W-Water Cooling	75	2500	1600	2080	1960	DN50
	8.0	116	6.73	238	6.48	229	45	60		75	2500	1600	2080	1960	DN50
	10.0	145	5.10	180	5.37	189	45	60		75	2500	1600	2080	1960	DN50
DWW-55	7.0	102	9.60	339	8.87	313	55	75		75	2500	1600	2080	2250	DN50
	8.0	116	8.94	316	8.25	291	55	75		75	2500	1600	2080	2250	DN50
	10.0	145	7.78	275	7.10	251	55	75		75	2500	1600	2080	2250	DN50
DWW-75	7.0	102	12.12	428	12.60	445	75	100		78	2500	1600	2080	2315	DN50
	8.0	116	12.10	428	12.34	436	75	100		78	2500	1600	2080	2315	DN50
	10.0	145	11.10	392	10.43	368	75	100		78	2500	1600	2080	2315	DN50
DWW-75W	7.0	102	12.12	428	12.60	445	75	100		78	2300	1600	1790	1750	DN50
	8.0	116	12.10	428	12.34	436	75	100		78	2300	1600	1790	1750	DN50
	10.0	145	11.10	392	10.43	368	75	100		78	2300	1600	1790	1750	DN50
DWW-90	7.0	102	13.13	464	14.62	516	90	120		78	2500	1600	2080	2350	DN50
	8.0	116	13.11	463	14.60	515	90	120		78	2500	1600	2080	2350	DN50
	10.0	145	13.00	459	12.86	454	90	120		78	2500	1600	2080	2350	DN50
DWW-90W	7.0	102	13.13	464	14.62	516	90	120	78	2300	1600	1790	1860	DN50	
	8.0	116	13.11	463	14.60	515	90	120	78	2300	1600	1790	1860	DN50	
	10.0	145	13.00	459	12.86	454	90	120	78	2300	1600	1790	1860	DN50	
DWW-110	7.0	102	19.50	689	17.50	618	110	150	80	2800	1800	1860	2675	DN65	
	8.0	116	18.31	647	17.47	617	110	150	80	2800	1800	1860	2675	DN65	
	10.0	145	16.00	565	15.41	544	110	150	80	2800	1800	1860	2675	DN65	
DWW-110W	7.0	102	19.50	689	17.50	618	110	150	80	2800	1800	1860	3235	DN65	
	8.0	116	18.31	647	17.47	617	110	150	80	2800	1800	1860	3235	DN65	
	10.0	145	16.00	565	15.41	544	110	150	80	2800	1800	1860	3235	DN65	
DWW-132	7.0	102	23.00	813	23.29	822	132	175	80	2800	1800	1860	2845	DN65	
	8.0	116	21.66	765	23.27	822	132	175	80	2800	1800	1860	2845	DN65	
	10.0	145	19.44	687	20.46	723	132	175	80	2800	1800	1860	2845	DN65	
DWW-132W	7.0	102	23.00	813	23.29	822	132	175	80	2800	1800	1860	3370	DN65	
	8.0	116	21.66	765	23.27	822	132	175	80	2800	1800	1860	3370	DN65	
	10.0	145	19.44	687	20.46	723	132	175	80	2800	1800	1860	3370	DN65	
DWW-160	7.0	102	26.30	929	27.28	963	160	215	80	2800	1800	1860	3370	DN65	
	8.0	116	26.23	927	27.26	962	160	215	80	2800	1800	1860	3370	DN65	
	10.0	145	23.00	813	26.38	931	160	215	80	2800	1800	1860	3370	DN65	
DWW-160W	7.0	102	26.30	929	27.28	963	160	215	80	2800	1800	1860	3755	DN65	
	8.0	116	26.23	927	27.26	962	160	215	80	2800	1800	1860	3755	DN65	
	10.0	145	23.00	813	26.38	931	160	215	80	2800	1800	1860	3755	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
			50 Hz		60 Hz						L	W	H		
	bar(g)	psig	m ³ /min	cfm	m ³ /min	cfm	kW	hp							
DWW-185	7.0	102	29.17	1031	31.20	1102	185	250	Air Cooling W-Water Cooling	80	2800	1800	1860	3345	DN65
	8.0	116	29.13	1029	31.04	1096	185	250		80	2800	1800	1860	3345	DN65
	10.0	145	26.23	927	29.16	1030	185	250		80	2800	1800	1860	3345	DN65
DWW-185W	7.0	102	29.17	1031	31.20	1102	185	250		80	2800	1800	1860	3370	DN65
	8.0	116	29.13	1029	31.04	1096	185	250		80	2800	1800	1860	3370	DN65
	10.0	145	26.23	927	29.16	1030	185	250		80	2800	1800	1860	3370	DN65
DWW-200W	7.0	102	35.00	1237	34.82	1229	200	270		82	3400	1900	2200	5320	DN100
	8.0	116	32.60	1152	34.78	1228	200	270		82	3400	1900	2200	5320	DN100
	10.0	145	29.05	1027	28.42	1004	200	270		82	3400	1900	2200	5320	DN100
DWW-220W	7.0	102	37.63	1330	37.35	1319	220	300		82	3400	1900	2200	5800	DN100
	8.0	116	35.10	1240	37.30	1317	220	300		82	3400	1900	2200	5800	DN100
	10.0	145	32.39	1145	31.30	1105	220	300		82	3400	1900	2200	5800	DN100
DWW-250W	7.0	102	45.20	1597	44.27	1563	250	350		82	3400	1900	2200	7335	DN100
	8.0	116	41.64	1472	44.24	1562	250	350		82	3400	1900	2200	7335	DN100
	10.0	145	37.32	1319	37.20	1314	250	350		82	3400	1900	2200	7335	DN100
DWW-280W	7.0	102	45.50	1608	47.25	1668	280	375	85	4400	2200	2200	7500	DN100	
	8.0	116	45.44	1606	47.21	1667	280	375	85	4400	2200	2200	7500	DN100	
	10.0	145	41.56	1469	41.23	1456	280	375	85	4400	2200	2200	7500	DN100	
DWW-315W	7.0	102	50.09	1770	52.30	1847	315	425	85	4400	2200	2200	7800	DN100	
	8.0	116	50.06	1769	52.27	1846	315	425	85	4400	2200	2200	7800	DN100	
	10.0	145	45.37	1603	46.60	1645	315	425	85	4400	2200	2200	7800	DN100	
DWW-355W	7.0	102	54.46	1923	56.84	2007	355	475	85	5000	2200	2500	9500	DN125	
	8.0	116	54.41	1921	56.74	2003	355	475	85	5000	2200	2500	9500	DN125	
	10.0	145	50.52	1784	50.32	1777	355	475	85	5000	2200	2500	9500	DN125	
DWW-400W	7.0	102	67.36	2378	69.55	2456	400	535	85	5000	2200	2500	9700	DN125	
	8.0	116	67.27	2375	69.45	2452	400	535	85	5000	2200	2500	9700	DN125	
	10.0	145	56.65	2000	56.55	1997	400	535	85	5000	2200	2500	9700	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	10500	DN125	
	8.0	116	85.92	3034	81.58	2881	500	670	85	5000	2200	2500	10500	DN125	
	10.0	145	77.82	2748	N/A	N/A	500	670	85	5000	2200	2500	10500	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	m ³ /min	cfm	m ³ /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-DINR202505-01 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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