

The background of the upper half of the page features a large, light gray rectangle on the left and a smaller, light green rectangle on the right. Overlaid on these is a dark gray horizontal band containing the main title. Below the title band, there are two more rectangles: a teal one on the left and a light green one on the right. The bottom right corner of the page is decorated with a pattern of white hexagons, some of which contain small, semi-transparent images of industrial machinery and laboratory equipment.

Oil Free

Screw Air Compressor

DWW-e Series I 100% Clean Air

45-450kW, 198-2842cfm



Superior Screw Air End

- With Sweden SKF element bearings
- Gear accuracy grade reaches AGMA13
- The jacketed oil cooling design ensures that the rotor will not deform due to work and heat during the compression process, improving the efficiency and performance of the compressor, reducing noise as well.
- Both the first and second rotors are made of stainless steel and they have better corrosion resistance



Electrical Components

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

Stainless Steel Oil Pipe and Air Pipe

- High temperature resistant (400°C=752°F) and low temperature resistant (-270°C=-518°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



Advanced Touch Screen Controller and Monitoring System

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



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

DENAIR

Model	Motor	Power	Working Pressure		Air Capacity		Dimensions	Weight	Noise	Air outlet pipe diameter
	kW	hp	bar(g)	psig	m³/min	cfm	L*W*H(mm)	kg	dB(A)	
DWW-45e	45	60	7	102	6.50	230	2000*1300*1800	2350	72	DN40
			8	116	6.50	230				
			10	145	5.60	198				
DWW-55e	55	75	7	102	8.50	300	2000*1300*1800	2450	72	DN40
			8	116	8.50	300				
			10	145	6.50	230				
DWW-75e	75	100	7	102	12.60	445	2500*1600*2080	2800	75	DN50
			8	116	10.40	367				
			10	145	9.60	339				
DWW-75We	75	100	7	102	12.60	445	3100*1600*1800	3500	75	DN50
			8	116	10.40	367				
			10	145	9.60	339				
DWW-90e	90	120	7	102	15.20	537	2500*1600*2080	2850	75	DN50
			8	116	12.60	445				
			10	145	12.50	442				
DWW-90We	90	120	7	102	15.20	537	3100*1600*1800	3600	75	DN50
			8	116	12.60	445				
			10	145	12.50	442				
DWW-110e	110	150	7	102	19.90	703	3150*1800*2300	3000	77	DN65
			8	116	19.80	699	2500*1600*2080			DN50
			10	145	15.20	537				
DWW-110We	110	150	7	102	19.90	703	3400*1800*1860	3400	77	DN65
			8	116	19.80	699	3100*1600*1800			
			10	145	15.20	537				
DWW-132e	132	175	7	102	22.40	791	3150*1800*2300	3200	77	DN65
			8	116	22.30	787				
			10	145	19.60	692				
DWW-132We	132	175	7	102	22.40	791	3400*1800*1860	3500	77	DN65
			8	116	22.30	787				
			10	145	19.60	692				
DWW-160e	160	215	7	102	27.00	953	3150*1800*2300	3400	77	DN65
			8	116	26.90	950				
			10	145	24.30	858				
DWW-160We	160	215	7	102	27.00	953	3400*1800*1860	3650	77	DN65
			8	116	26.90	950				
			10	145	24.30	858				

Model	Motor Power		Working Pressure		Air Capacity		Dimensions	Weight	Noise	Air outlet pipe diameter
	kW	hp	bar(g)	psig	m³/min	cfm	L*W*H(mm)	kg	dB(A)	
DWW-185e	185	250	7	102	28.60	1084	3550*2200*2400	3950	77	DN80
			8	116	28.50	1080				
			10	145	26.70	943				
DWW-185We	185	250	7	102	28.60	1010	3400*1800*1860	4300	77	DN65
			8	116	28.50	1006				
			10	145	26.70	943				
DWW-200e	200	270	7	102	36.10	1292	3550*2200*2400	4700	79	DN80
			8	116	35.90	1285				
			10	145	30.60	1070				
DWW-200We	200	270	7	102	36.10	1275	4200*1900*2200	4900	79	DN80
			8	116	35.90	1267				
			10	145	30.60	1080				
DWW-250e	250	350	7	102	41.90	1511	3550*2200*2400	4800	79	DN80
			8	116	41.70	1501				
			10	145	35.60	1271				
DWW-250We	250	350	7	102	41.90	1480	4200*1900*2200	5000	79	DN80
			8	116	41.70	1473				
			10	145	35.60	1257				
DWW-280We	280	375	7	102	44.80	1582	4200*1900*2200	7500	82	DN80
			8	116	44.60	1575				
			10	145	41.40	1462				
DWW-315We	315	425	7	102	58.50	2066	5000*2200*2500	7800	82	DN125
			8	116	53.30	1882				
			10	145	48.30	1705				
DWW-355We	355	475	7	102	58.50	2066	5000*2200*2500	8050	82	DN125
			8	116	58.30	2059				
			10	145	53.10	1875				
DWW-400We	400	535	7	102	70.20	2479	5000*2200*2500	8050	82	DN125
			8	116	70.00	2472				
			10	145	63.04	2226				
DWW-450We	450	600	7	102	80.50	2842	5000*2200*2500	8050	82	DN125
			8	116	80.30	2835				
			10	145	69.70	2461				

*)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.

*)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.



Denair Energy Saving Technology (Shanghai) Plc.

No. 6767, Tingfeng Rd., Jinshan District,
Shanghai 201502, China
Tel.: +86 21 5722 3896
Fax: +86 21 6040 5929

info@denair.net
www.denair.net

Copyright © 2026 DENAIR Group. All rights reserved.