GLOBE ENERGY

DENAIR®

Oil-injected

Rotary Screw Air Compressors

Installed motor power: 5.5 - 400 kW/7.5 - 550 hp
Free air delivery: 0.43 - 84.61 m³/min, Pressure 7.5 - 12.5 bar

CONTENTS

OIL-INJECTED ROTARY SCREW AIR COMPRESSOR(FIXED SPEED)

Features and advantages

Smart Controller

- Increased reliability: durable keybord, user-friendly, multilingual user interface.
- Improved ease of use: intuitive navigation syatem with main operation conditions include warning indications, maintenance scheduling etc.

Stainless Steel Oil Pipe And Air Pipe

- High temperature resistant (400℃=752℉) and low temperature resistant (-270℃= -518℉), high pressure resistant.
- Ultra-long life(80 years), completely leak free and maintenance free.

Intelligent Control And Protection

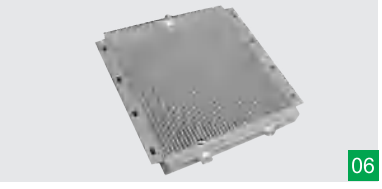
- Schneider electrical elements with original package from Germany, safe and reliable.
- Reasonable, simple and clear wiring, easy for maintenance.
- Good protection function ensures the stable running of the compressor unit.

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℃(131℉).

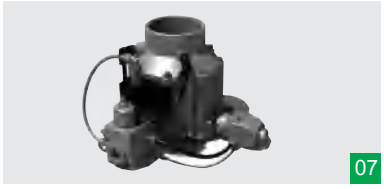
State-of-the-art Screw Element

- Original DENAIR air end.
- Advanced SAP profile design.
- The material of the rotors is American specialty steel.
- Superior Sweden SKF element bearings.



Efficient Radiator

High quality aluminum aluminum fins and copper coil materials with good thermal conductivity ensure the perfect cooling efficiency.



Air Inlet Valve

- Large suction area.
- Valve seal adopts fluoro rubber.
- Imtegrated design, failure and low maintenance rate.
- Cast aluminum to avoid rust and temperature change.

Heavy-duty Oil Filter

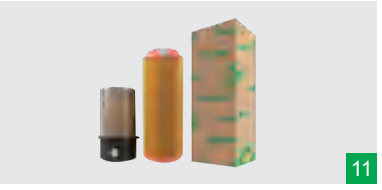
- Heavy-duty oil filter with excellent oil purification capability ensures a clean and safe oil system.
- Long service period and easy filter change reduce maintenance costs.

Energy-saving 1:1 Direct Driven Design

Germany KTR brand maintenance-free coupling makes the motor drive the air end without transmission loss.

Efficient Separation System

- Reduction of pressure drops and energy costs.
- Low oil consumption ensures minimal maintenance costs and long compressor lifetime.
- Quality air with low oil content:
  -three step air-oil separation(centrifuge, gravity, filter)
  -oil content: less than 3 ppm by weight
  -hinged cover for easy separator element change.



Superior Air Filter

- Superior air filter with two-stage dust removel 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.

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Technical parameters for EEI 1***

Model	Maximum Working Pressure		Capacity FAD*				Installed Motor Power		Driving Model & Cooling Method	Noise level** [dB(A)]	Dimensions(mm)			Weight	Air outlet pipe diameter
			50Hz		60Hz										
	bar(g)	psig	m³/min	cfm	m³/min	cfm	kW	hp			L	W	H	kg	
DA-30+	7.0	102	6.07	214	6.04	559	30	40	Direct Driven Air Cooling W-water Cooling	66	1650	1050	1300	915	R2
	8.0	116	6.04	213	6.01	556	30	40		66	1650	1050	1300	915	R2
DA-37+	7.0	102	7.76	274	7.72	559	37	50		68	1650	1050	1300	950	R2
	8.0	116	7.71	272	7.68	556	37	50		68	1650	1050	1300	950	R2
DA-45+	7.0	102	9.65	341	9.61	559	45	60		69	1650	1050	1300	975	R2
	8.0	116	9.60	339	9.54	556	45	60		69	1650	1050	1300	975	R2
DA-55+	7.0	102	12.28	434	11.56	409	55	75		75	2340	1490	1600	2000	R2
	8.0	116	12.22	431	11.48	406	55	75		75	2340	1490	1600	2000	R2
	10.0	145	9.25	327	11.31	400	55	75		75	2340	1490	1600	2000	R2
	12.5	181	8.23	291	7.61	269	55	75		75	2340	1490	1600	2000	R2
DA-75+	7.0	102	16.25	574	15.29	540	75	100		77	2340	1490	1600	2000	R2
	8.0	116	16.17	571	15.24	538	75	100		77	2340	1490	1600	2000	R2
	10.0	145	15.00	530	14.55	514	75	100		77	2340	1490	1600	2000	R2
	12.5	181	11.82	417	11.17	395	75	100		77	2340	1490	1600	2000	R2
DA-90(W)+	7.0	102	19.41	685	19.48	688	90	120		77	2705	1775	1915	2580	DN80
	8.0	116	19.38	684	19.34	684	90	120		77	2705	1775	1915	2580	DN80
	10.0	145	15.66	553	18.25	645	90	120		77	2705	1775	1915	2580	DN80
	12.5	181	14.77	522	14.36	508	90	120		77	2705	1775	1915	2580	DN80
DA-110(W)+	7.0	102	23.40	826	21.91	774	110	150		78	2705	1775	1915	2635	DN80
	8.0	116	23.19	819	21.77	769	110	150		78	2705	1775	1915	2635	DN80
	10.0	145	18.59	656	19.05	673	110	150		78	2705	1775	1915	2635	DN80
	12.5	181	15.42	544	18.02	637	110	150		78	2705	1775	1915	2635	DN80
DA-132(W)+	7.0	102	27.26	963	26.30	930	132	175		78	2705	1775	1915	2910	DN80
	8.0	116	27.13	958	26.18	925	132	175		78	2705	1775	1915	2910	DN80
	10.0	145	21.92	774	22.19	784	132	175		78	2705	1775	1915	2910	DN80
	12.5	181	19.89	702	18.81	665	132	175		78	2705	1775	1915	2910	DN80
DA-160(W)+	7.0	102	33.30	1176	31.99	1131	160	215		79	3110	1890	2150	4560	DN100
	8.0	116	33.00	1165	31.84	1125	160	215		79	3110	1890	2150	4560	DN100
	10.0	145	27.80	982	26.81	947	160	215		79	3110	1890	2150	4560	DN100
	12.5	181	25.41	897	25.59	904	160	215		79	3110	1890	2150	4560	DN100
DA-185(W)+	7.0	102	38.33	1353	38.97	1377	185	250		79	3110	1890	2150	4670	DN100
	8.0	116	37.96	1340	38.71	1368	185	250		79	3110	1890	2150	4670	DN100
	10.0	145	33.29	1175	32.08	1134	185	250		79	3110	1890	2150	4670	DN100
	12.5	181	28.77	1016	26.47	935	185	250		79	3110	1890	2150	4670	DN100
DA-200(W)+	7.0	102	42.33	1495	41.31	1460	200	270		80	3310	2090	2400	5340	DN100
	8.0	116	42.23	1491	41.04	1451	200	270		80	3310	2090	2400	5340	DN100
	10.0	145	36.98	1306	38.18	1349	200	270		80	3310	2090	2400	5340	DN100
	12.5	181	32.03	1131	31.68	1120	200	270		80	3310	2090	2400	5340	DN100
DA-220(W)+	7.0	102	46.56	1644	45.06	1592	220	300		80	3310	2090	2400	5590	DN100
	8.0	116	46.45	1640	44.84	1584	220	300		80	3310	2090	2400	5590	DN100
	10.0	145	41.92	1480	40.18	1420	220	300		80	3310	2090	2400	5590	DN100
	12.5	181	36.36	1284	34.25	1210	220	300		80	3310	2090	2400	5590	DN100
DA-250(W)+	7.0	102	52.32	1847	51.01	1803	250	350		81	3310	2090	2400	5720	DN100
	8.0	116	52.22	1844	50.75	1793	250	350		81	3310	2090	2400	5720	DN100
	10.0	145	46.14	1629	44.46	1571	250	350		81	3310	2090	2400	5720	DN100
	12.5	181	41.20	1455	39.99	1413	250	350		81	3310	2090	2400	5720	DN100
DA-280(W)+	7.0	102	57.37	2026	61.57	2174	280	375		82	3730	2380	2550	6950	DN125
	8.0	116	57.27	2022	60.39	2131	280	375		82	3730	2380	2550	6950	DN125
	10.0	145	50.78	1793	51.52	1819	280	375		82	3730	2380	2550	6950	DN125
	12.5	181	45.32	1600	46.31	1635	280	375		82	3730	2380	2550	6950	DN125
DA-315(W)+	7.0	102	62.93	2222	67.86	2396	315	425		83	3730	2380	2550	7260	DN125
	8.0	116	62.83	2219	66.57	2351	315	425		83	3730	2380	2550	7260	DN125
	10.0	145	55.52	1960	57.19	2019	315	425		83	3730	2380	2550	7260	DN125
	12.5	181	49.85	1760	49.91	1762	315	425		83	3730	2380	2550	7260	DN125
DA-355W+	7.0	102	73.34	2590	72.62	2567	355	475		84	3730	2380	2550	8750	DN125
	8.0	116	73.13	2582	72.42	2559	355	475		84	3730	2380	2550	8750	DN125
	10.0	145	62.42	2204	61.81	2184	355	475		84	3730	2380	2550	8750	DN125
	12.5	181	55.83	1971	55.28	1954	355	475		84	3730	2380	2550	8750	DN125
DA-400W+	7.0	102	84.61	2988	83.79	2961	400	550		85	4500	2500	2750	9850	DN125
	8.0	116	84.51	2984	83.69	2958	400	550		85	4500	2500	2750	9850	DN125
	10.0	145	72.62	2564	71.91	2541	400	550		85	4500	2500	2750	9850	DN125
	12.5	181	64.99	2295	64.36	2274	400	550		85	4500	2500	2750	9850	DN125

*) FAD in accordance with ISO 1217:2009, Annex C: Absolute intake pressure 1 bar (a), cooling and air intake temperature 20 ℃
**) 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)
***) EEI 1-Energy efficiency index 1, which refers to enhanced energy saving series

Specifications are subject to change without notice.

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Technical parameters for EEI 2***

Model	Maximum Working Pressure		Capacity FAD*				Installed Motor Power		Driving Model & Cooling Method	Noise level** [dB(A)]	Dimensions(mm)			Weight	Air outlet pipe diameter
			50Hz		60Hz										
	bar(g)	psig	m³/min	cfm	m³/min	cfm	kW	hp			L	W	H	kg	
DA-5	7.0	102	0.85	30	0.77	27	5.5	7.5	Belt Driven	62	900	600	860	220	R1/2"
	8.0	116	0.80	28	0.70	25	5.5	7.5		62	900	600	860	220	R1/2"
DA-7	7.0	102	1.12	40	1.08	38	7.5	10		62	900	600	860	230	R1/2"
	8.0	116	1.10	39	1.07	38	7.5	10		62	900	600	860	230	R1/2"
	10.0	145	0.95	34	0.91	32	7.5	10		62	900	600	860	230	R1/2"
	12.5	181	0.75	26	0.74	26	7.5	10		62	900	600	860	230	R1/2"
DA-11	7.0	102	1.77	62	1.73	61	11	15		62	1050	650	900	270	R3/4"
	8.0	116	1.76	62	1.73	61	11	15		62	1050	650	900	270	R3/4"
	10.0	145	1.45	51	1.54	55	11	15		62	1050	650	900	270	R3/4"
	12.5	181	1.13	40	1.19	42	11	15		62	1050	650	900	270	R3/4"
DA-15	7.0	102	2.40	85	2.52	89	15	20	Direct Driven Air Cooling	64	1100	650	920	390	R3/4"
	8.0	116	2.38	84	2.50	88	15	20		64	1100	650	920	390	R3/4"
	10.0	145	1.97	70	1.86	66	15	20		64	1100	650	920	390	R3/4"
	12.5	181	1.91	67	1.83	65	15	20		64	1100	650	920	390	R3/4"
DA-18	7.0	102	3.21	113	3.70	131	18.5	25		64	1300	800	1050	450	R1"
	8.0	116	3.03	107	3.68	130	18.5	25		64	1300	800	1050	450	R1"
	10.0	145	2.98	105	2.47	87	18.5	25		64	1300	800	1050	450	R1"
	12.5	181	1.91	67	2.44	86	18.5	25		64	1100	650	920	450	R1"
DA-22	7.0	102	3.81	135	3.70	131	22	30		66	1300	800	1050	500	R1"
	8.0	116	3.79	134	3.68	130	22	30		66	1300	800	1050	500	R1"
	10.0	145	3.00	106	2.47	87	22	30		66	1300	800	1050	500	R1"
	12.5	181	2.97	105	2.44	86	22	30		66	1300	800	1050	500	R1"
DA-30	7.0	102	5.28	187	4.87	172	30	40		66	1500	960	1200	620	R1-1/2"
	8.0	116	5.26	186	4.78	169	30	40		66	1500	960	1200	620	R1-1/2"
	10.0	145	3.81	135	4.58	162	30	40		66	1500	960	1200	620	R1-1/2"
	12.5	181	3.45	122	3.59	127	30	40		66	1500	960	1200	620	R1-1/2"
DA-37	7.0	102	6.54	231	6.08	215	37	50		68	1500	960	1200	660	R1-1/2"
	8.0	116	6.52	230	6.05	214	37	50		68	1500	960	1200	660	R1-1/2"
	10.0	145	5.35	189	4.59	162	37	50		68	1500	960	1200	660	R1-1/2"
	12.5	181	4.94	174	4.52	160	37	50		68	1500	960	1200	660	R1-1/2"
DA-45	7.0	102	7.67	271	8.07	285	45	60		69	1500	960	1200	700	R1-1/2"
	8.0	116	7.62	269	8.03	284	45	60		69	1500	960	1200	700	R1-1/2"
	10.0	145	6.46	228	6.00	212	45	60		69	1500	960	1200	700	R1-1/2"
	12.5	181	5.26	186	5.91	209	45	60		69	1500	960	1200	700	R1-1/2"
DA-55	7.0	102	10.50	371	9.43	333	55	75		75	1800	1300	1500	1500	R2"
	8.0	116	10.00	353	9.39	332	55	75		75	1800	1300	1500	1500	R2"
	10.0	145	7.95	281	7.97	282	55	75		75	1800	1300	1500	1500	R2"
	12.5	181	7.40	261	7.86	278	55	75		75	1800	1300	1500	1500	R2"
DA-75	7.0	102	13.00	459	11.97	423	75	100		77	1800	1300	1500	1500	R2"
	8.0	116	12.71	449	11.91	421	75	100		77	1800	1300	1500	1500	R2"
	10.0	145	10.54	372	10.72	379	75	100		77	1800	1300	1500	1500	R2"
	12.5	181	9.23	326	9.17	324	75	100		77	1800	1300	1500	1500	R2"

*) 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)
***) EEI 2-Energy efficiency index 2, which refers to enhanced energy saving series

Specifications are subject to change without notice.

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Technical parameters for EEI 2***

Model	Maximum Working Pressure		Capacity FAD*				Installed Motor Power		Driving Model & Cooling Method	Noise level** [dB(A)]	Dimensions(mm)			Weight	Air outlet pipe diameter
			50Hz		60Hz										
	bar(g)	psig	m³/min	cfm	m³/min	cfm	kW	hp			L	W	H	kg	
DA-90(W)	7.0	102	17.27	610	15.81	559	90	120	Direct Driven Air Cooling W-water Cooling	77	2435	1795	1715	2100	DN80
	8.0	116	16.93	598	15.73	556	90	120		77	2435	1795	1715	2100	DN80
	10.0	145	12.22	431	15.32	541	90	120		77	2435	1795	1715	2100	DN80
	12.5	181	12.11	428	11.64	412	90	120		77	2435	1795	1715	2100	DN80
DA-110(W)	7.0	102	20.05	708	19.16	677	110	150		78	2435	1795	1715	2275	DN80
	8.0	116	20.00	706	19.04	673	110	150		78	2435	1795	1715	2275	DN80
	10.0	145	16.33	577	15.56	550	110	150		78	2435	1795	1715	2275	DN80
	12.5	181	14.50	512	15.12	534	110	150		78	2435	1795	1715	2275	DN80
DA-132(W)	7.0	102	24.10	851	24.14	853	132	175		78	2435	1795	1715	2375	DN80
	8.0	116	24.00	847	24.01	849	132	175		78	2435	1795	1715	2375	DN80
	10.0	145	20.51	724	18.77	663	132	175		78	2435	1795	1715	2375	DN80
	12.5	181	16.61	586	15.36	543	132	175		78	2435	1795	1715	2375	DN80
DA-160(W)	7.0	102	28.63	1011	27.91	986	160	215		79	3110	1890	2150	3420	DN100
	8.0	116	28.49	1006	27.77	981	160	215		79	3110	1890	2150	3420	DN100
	10.0	145	23.27	822	23.74	839	160	215		79	3110	1890	2150	3420	DN100
	12.5	181	20.14	711	18.53	655	160	215		79	3110	1890	2150	3420	DN100
DA-185(W)	7.0	102	33.63	1187	29.94	1058	185	250		79	3110	1890	2150	3550	DN100
	8.0	116	33.28	1175	29.79	1053	185	250		79	3110	1890	2150	3550	DN100
	10.0	145	28.21	996	27.49	971	185	250		79	3110	1890	2150	3550	DN100
	12.5	181	23.01	812	23.44	828	185	250		79	3110	1890	2150	3550	DN100
DA-200(W)	7.0	102	37.95	1340	34.13	1206	200	270		80	3310	2090	2400	4600	DN100
	8.0	116	37.76	1333	33.92	1199	200	270		80	3310	2090	2400	4600	DN100
	10.0	145	30.08	1062	29.48	1042	200	270		80	3310	2090	2400	4600	DN100
	12.5	181	27.82	982	27.14	959	200	270		80	3310	2090	2400	4600	DN100
DA-220(W)	7.0	102	42.85	1513	36.30	1283	220	300		80	3310	2090	2400	4660	DN100
	8.0	116	42.75	1510	36.11	1276	220	300		80	3310	2090	2400	4660	DN100
	10.0	145	32.91	1162	31.47	1112	220	300		80	3310	2090	2400	4660	DN100
	12.5	181	29.73	1050	29.12	1029	220	300		80	3310	2090	2400	4660	DN100
DA-250(W)	7.0	102	45.77	1616	41.55	1468	250	350		81	3310	2090	2400	4750	DN100
	8.0	116	45.67	1613	41.34	1461	250	350		81	3310	2090	2400	4750	DN100
	10.0	145	42.64	1506	35.75	1268	250	350		81	3310	2090	2400	4750	DN100
	12.5	181	30.87	1090	31.07	1098	250	350		81	3310	2090	2400	4750	DN100
DA-280(W)	7.0	102	51.54	1820	47.16	1665	280	375		82	3730	2380	2550	5850	DN125
	8.0	116	51.28	1811	45.64	1612	280	375		82	3730	2380	2550	5850	DN125
	10.0	145	45.64	1612	42.56	1503	280	375		82	3730	2380	2550	5850	DN125
	12.5	181	41.20	1455	36.95	1305	280	375		82	3730	2380	2550	5850	DN125
DA-315(W)	7.0	102	56.43	1993	50.88	1797	315	425		83	3730	2380	2550	6500	DN125
	8.0	116	56.15	1983	50.83	1795	315	425		83	3730	2380	2550	6500	DN125
	10.0	145	50.78	1793	46.27	1634	315	425		83	3730	2380	2550	6500	DN125
	12.5	181	45.18	1595	40.32	1424	315	425		83	3730	2380	2550	6500	DN125
DA-355W	7.0	102	62.48	2206	58.12	2052	355	475		84	3730	2380	2550	6800	DN125
	8.0	116	60.56	2138	56.54	1997	355	475		84	3730	2380	2550	6800	DN125
	10.0	145	54.53	1925	51.57	1821	355	475		84	3730	2380	2550	6800	DN125
	12.5	181	47.97	1694	45.35	1601	355	475		84	3730	2380	2550	6800	DN125
DA-400W	7.0	102	74.50	2631	61.72	2179	400	550		85	4500	2500	2750	8700	DN125
	8.0	116	70.52	2490	59.72	2109	400	550		85	4500	2500	2750	8700	DN125
	10.0	145	60.83	2148	56.52	1996	400	550		85	4500	2500	2750	8700	DN125
	12.5	181	50.13	1770	51.35	1813	400	550		85	4500	2500	2750	8700	DN125

*) FAD in accordance with ISO 1217:2009, Annex C: Absolute intake pressure 1 bar (a), cooling and air intake temperature 20 ℃
**) 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)
***) EEI 2-Energy efficiency index 2, which refers to enhanced energy saving series

Specifications are subject to change without notice.

OIL-INJECTED ROTARY SCREW AIR COMPRESSOR(VSD)

Features and advantages

Variable Speed Drive

- Different variable speed drive brands available, such as INVT, ABB, Bosch etc.
- VSD: variable volume, controlled costs: there is no unnecessary power generated, the DENAIR DVA models can reduce energy costs by 35% or more.
- Life cycle costs of the compressor can be reduced by an average of 22%.

State-of-the-art Screw Element

- Original DENAIR air end.
- Advanced SAP profile design.
- The material of the rotors is American specialty steel.
- Superior Sweden SKF element bearings.

Smart Controller

- Increased reliability: durable keybord, user-friendly, multilingual user interface.
- Improved ease of use: intuitive navigation syatem with main operation conditions including warning indications, maintenance scheduling etc.

Intelligent Control and Protection

- Schneider electrical elements with original package from France, safe and reliable.
- Reasonable, simple and clear wiring, easy for maintenance.
- Good protection function ensures the stable running of the compressor unit.

Efficient Separation System

- Reduction of pressure drops and energy costs.
- Low oil consumption ensures minimal maintenance costs and long compressor lifetime.
- Quality air with low oil content:
  -three step air-oil separation(centrifuge, gravity, filter)
  -oil content: less than 3 ppm by weight
  -hinged cover for easy separator element change.

Stainless Steel Oil Pipe and Air Pipe

- High temperature resistant (400℃=752℉) and low temperature resistant (-270℃=-518℉), high pressure resistant.
- Ultra-long life(80 years), completely leak free and maintenance free.

DENAIR®

Technical parameters

Model	Maximum Working Pressure		Capacity FAD*								Installed Motor Power		Driving Model & Cooling Method	Noise level**	Dimensions(mm)			Weight	Air outlet pipe diameter
			50Hz				60Hz												
			Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.									
	bar(g)	psig	m^3/min		cfm		m^3/min		cfm		kW	hp		[dB(A)]	L	W	H	kg	
DVA-5	7.0	102	0.51	0.85	18	30	0.48	0.80	17	28	5.5	7.5	Belt Driven	62	900	600	860	315	R1/2”
	8.0	116	0.48	0.80	17	28	0.47	0.78	17	28	5.5	7.5		62	900	600	860	315	R1/2”
DVA-7	7.0	102	0.67	1.12	24	40	0.65	1.09	24	39	7.5	10		62	900	600	860	350	R1/2”
	8.0	116	0.66	1.10	23	39	0.64	1.07	23	38	7.5	10		62	900	600	860	350	R1/2”
	10.0	145	0.60	1.00	21	35	0.55	0.91	19	32	7.5	10		62	900	600	860	350	R1/2”
	12.5	181	0.48	0.80	17	28	0.43	0.72	16	26	7.5	10		62	900	600	860	350	R1/2”
DVA-11	7.0	102	1.18	1.97	42	70	1.00	1.66	35	59	11	15		62	1050	650	900	410	R3/4”
	8.0	116	1.06	1.76	37	62	0.98	1.64	34	58	11	15		62	1050	650	900	410	R3/4”
	10.0	145	0.87	1.45	31	51	0.87	1.45	31	51	11	15		62	1050	650	900	410	R3/4”
	12.5	181	0.68	1.13	24	40	0.67	1.12	24	40	11	15		62	1050	650	900	410	R3/4”
DVA-15	7.0	102	1.52	2.54	54	90	1.52	2.53	53	89	15	20	Direct Driven Air Cooling	64	1100	650	920	455	R3/4”
	8.0	116	1.50	2.51	53	88	1.50	2.50	52	88	15	20		64	1100	650	920	455	R3/4”
	10.0	145	1.18	1.97	42	70	1.12	1.86	40	66	15	20		64	1100	650	920	455	R3/4”
	12.5	181	1.14	1.91	40	67	1.10	1.83	39	65	15	20		64	1100	650	920	455	R3/4”
DVA-18	7.0	102	1.93	3.21	68	113	2.18	3.63	77	128	18.5	25		64	1300	800	1050	485	R1”
	8.0	116	1.82	3.03	64	107	2.12	3.54	75	125	18.5	25		64	1300	800	1050	485	R1”
	10.0	145	1.74	2.90	61	102	1.42	2.37	50	84	18.5	25		64	1300	800	1050	485	R1”
	12.5	181	1.14	1.91	40	67	1.40	2.34	49	83	18.5	25		64	1100	650	920	485	R1”
DVA-22	7.0	102	2.14	3.57	76	126	2.22	3.70	79	131	22	30		66	1300	800	1050	510	R1”
	8.0	116	2.13	3.55	75	125	2.17	3.61	77	128	22	30		66	1300	800	1050	510	R1”
	10.0	145	1.80	3.00	64	106	2.11	3.52	74	124	22	30		66	1300	800	1050	510	R1”
	12.5	181	1.78	2.97	63	105	1.43	2.38	50	84	22	30		66	1300	800	1050	510	R1”
DVA-30	7.0	102	3.17	5.28	112	187	2.69	4.49	95	159	30	40		66	1400	900	1200	685	R1-1/2”
	8.0	116	3.16	5.26	112	186	2.68	4.48	94	158	30	40		66	1400	900	1200	685	R1-1/2”
	10.0	145	3.13	5.21	110	184	2.67	4.47	94	158	30	40		66	1400	900	1200	685	R1-1/2”
	12.5	181	2.07	3.45	73	122	2.15	3.58	76	126	30	40		66	1400	900	1200	685	R1-1/2”
DVA-37	7.0	102	3.92	6.54	138	231	3.80	6.33	134	224	37	50		68	1400	900	1200	700	R1-1/2”
	8.0	116	3.91	6.52	138	230	3.78	6.30	133	222	37	50		68	1400	900	1200	700	R1-1/2”
	10.0	145	3.21	5.35	113	189	3.60	6.00	127	212	37	50		68	1400	900	1200	700	R1-1/2”
	12.5	181	3.09	5.16	109	182	2.66	4.43	94	156	37	50		68	1400	900	1200	700	R1-1/2”
DVA-45	7.0	102	4.60	7.67	163	271	4.67	7.79	165	275	45	60		69	1500	960	1200	730	R1-1/2”
	8.0	116	4.57	7.62	161	269	4.66	7.76	164	274	45	60		69	1500	960	1200	730	R1-1/2”
	10.0	145	3.88	6.46	137	228	3.74	6.24	132	220	45	60		69	1500	960	1200	730	R1-1/2”
	12.5	181	3.85	6.41	136	226	3.12	5.20	110	184	45	60		69	1500	960	1200	730	R1-1/2”
DVA-55	7.0	102	6.30	10.50	222	371	5.48	9.14	194	323	55	75		75	1800	1200	1400	1350	R2”
	8.0	116	6.00	10.00	212	353	5.44	9.06	192	320	55	75		75	1800	1200	1400	1350	R2”
	10.0	145	5.07	8.45	179	298	4.64	7.74	164	273	55	75		75	1800	1200	1400	1350	R2”
	12.5	181	4.44	7.40	157	261	3.78	6.30	133	222	55	75		75	1800	1200	1400	1350	R2”
DVA-75	7.0	102	8.53	14.21	301	502	7.03	11.72	248	414	75	100		77	1800	1200	1400	1400	R2”
	8.0	116	7.80	13.00	275	459	6.98	11.63	247	411	75	100		77	1800	1200	1400	1400	R2”
	10.0	145	6.32	10.54	223	372	6.86	11.43	242	404	75	100		77	1800	1200	1400	1400	R2”
	12.5	181	5.54	9.23	196	326	5.25	8.75	185	309	75	100		77	1800	1200	1400	1400	R2”

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

**) 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®

Technical parameters

Model	Maximum Working Pressure		Capacity FAD*								Installed Motor Power		Driving Model & Cooling Method	Noise level**	Dimensions(mm)			Weight	Air outlet pipe diameter
			50Hz				60Hz												
			Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.									
	bar(g)	psig	m^3/min		cfm		m^3/min		cfm		kW	hp		[dB(A)]	L	W	H	kg	
DVA-90(W)	7.0	102	10.36	17.27	366	610	10.21	17.01	361	601	90	120	Direct Driven Air Cooling W-Water Cooling	77	2435	1795	1715	2100	DN80
	8.0	116	10.16	16.93	359	598	10.09	16.82	356	594	90	120		77	2435	1795	1715	2100	DN80
	10.0	145	7.33	12.22	259	431	8.92	14.87	315	525	90	120		77	2435	1795	1715	2100	DN80
	12.5	181	7.27	12.11	257	428	6.76	11.27	239	398	90	120		77	2435	1795	1715	2100	DN80
DVA-110(W)	7.0	102	12.03	20.05	425	708	11.46	19.10	404	674	110	150		78	2435	1795	1715	2310	DN80
	8.0	116	12.00	20.00	424	706	11.44	19.06	403	673	110	150		78	2435	1795	1715	2310	DN80
	10.0	145	9.80	16.33	346	577	10.21	17.01	361	601	110	150		78	2435	1795	1715	2310	DN80
	12.5	181	8.47	14.11	299	498	8.81	14.68	311	518	110	150		78	2435	1795	1715	2310	DN80
DVA-132(W)	7.0	102	14.46	24.10	511	851	14.62	24.37	517	861	132	175		78	2435	1795	1715	2415	DN80
	8.0	116	14.40	24.00	508	847	14.54	24.23	514	856	132	175		78	2435	1795	1715	2415	DN80
	10.0	145	12.30	20.51	434	724	11.37	18.95	401	669	132	175		78	2435	1795	1715	2415	DN80
	12.5	181	9.97	16.61	352	587	10.09	16.82	356	594	132	175		78	2435	1795	1715	2415	DN80
DVA-160(W)	7.0	102	17.18	28.63	607	1011	16.74	27.90	591	985	160	215		79	3110	1890	2150	4095	DN100
	8.0	116	17.09	28.49	604	1006	16.66	27.76	588	980	160	215		79	3110	1890	2150	4095	DN100
	10.0	145	13.96	23.27	493	822	14.38	23.97	508	846	160	215		79	3110	1890	2150	4095	DN100
	12.5	181	12.08	20.14	427	711	11.29	18.82	398	664	160	215		79	3110	1890	2150	4095	DN100
DVA-185(W)	7.0	102	20.18	33.63	712	1187	18.27	30.45	645	1075	185	250		80	3110	1890	2150	4200	DN100
	8.0	116	19.97	33.28	705	1175	18.04	30.06	637	1061	185	250		80	3110	1890	2150	4200	DN100
	10.0	145	16.93	28.21	598	996	16.52	27.54	583	972	185	250		80	3110	1890	2150	4200	DN100
	12.5	181	13.81	23.01	487	812	14.25	23.75	503	839	185	250		80	3110	1890	2150	4200	DN100
DVA-200(W)	7.0	102	22.77	37.95	804	1340	18.62	31.03	658	1096	200	270		80	3310	2090	2400	4515	DN100
	8.0	116	22.66	37.76	800	1333	18.21	30.35	643	1071	200	270		80	3310	2090	2400	4515	DN100
	10.0	145	18.05	30.08	637	1062	17.81	29.69	629	1048	200	270		80	3310	2090	2400	4515	DN100
	12.5	181	16.69	27.82	589	982	16.18	26.97	571	952	200	270		80	3310	2090	2400	4515	DN100
DVA-220(W)	7.0	102	25.71	42.85	908	1513	22.33	37.22	788	1314	220	300		80	3310	2090	2400	4725	DN100
	8.0	116	25.65	42.75	906	1510	22.30	37.17	787	1312	220	300		80	3310	2090	2400	4725	DN100
	10.0	145	19.75	32.91	697	1162	19.95	33.25	704	1174	220	300		80	3310	2090	2400	4725	DN100
	12.5	181	17.84	29.73	630	1050	16.24	27.07	574	956	220	300		80	3310	2090	2400	4725	DN100
DVA-250(W)	7.0	102	27.46	45.77	970	1616	25.72	42.87	908	1514	250	350		81	3310	2090	2400	4935	DN100
	8.0	116	27.40	45.67	968	1613	24.78	41.30	875	1458	250	350		81	3310	2090	2400	4935	DN100
	10.0	145	25.58	42.64	903	1506	22.22	37.04	785	1308	250	350		81	3310	2090	2400	4935	DN100
	12.5	181	18.52	30.87	654	1090	19.89	33.15	702	1170	250	350		81	3310	2090	2400	4935	DN100
DVA-280(W)	7.0	102	30.92	51.54	1092	1820	28.30	47.16	999	1665	280	375		82	3730	2250	2520	6825	DN125
	8.0	116	30.77	51.28	1086	1811	27.38	45.64	967	1612	280	375		82	3730	2250	2520	6825	DN125
	10.0	145	27.38	45.64	967	1612	25.54	42.56	902	1503	280	375		82	3730	2250	2520	6825	DN125
	12.5	181	20.69	34.49	731	1218	22.17	36.95	783	1305	280	375		82	3730	2250	2520	6825	DN125
DVA-315(W)	7.0	102	33.86	56.43	1196	1993	30.53	50.88	1078	1797	315	425		83	3730	2250	2520	7140	DN125
	8.0	116	33.69	56.15	1190	1983	30.50	50.83	1077	1795	315	425		83	3730	2250	2520	7140	DN125
	10.0	145	30.47	50.78	1076	1793	27.76	46.27	981	1634	315	425		83	3730	2250	2520	7140	DN125
	12.5	181	27.11	45.18	957	1595	24.19	40.32	854	1424	315	425		83	3730	2250	2520	7140	DN125
DVA-355(W)	7.0	102	38.75	64.59	1369	2281	34.87	58.12	1231	2052	355	475		84	3730	2250	2520	8000	DN125
	8.0	116	36.72	61.20	1297	2161	33.92	56.54	1198	1997	355	475		84	3730	2250	2520	8000	DN125
	10.0	145	33.01	55.02	1166	1943	30.94	51.57	1093	1821	355	475		84	3730	2250	2520	8000	DN125
	12.5	181	27.13	45.22	958	1597	27.21	45.35	961	1601	355	475		84	3730	2250	2520	8000	DN125
DVA-400W	7.0	102	44.69	74.49	1578	2630	37.03	61.72	1307	2179	400	550		85	4500	2500	2750	8800	DN125
	8.0	116	42.31	70.52	1494	2490	35.83	59.72	1265	2109	400	550		85	4500	2500	2750	8800	DN125
	10.0	145	36.50	60.83	1289	2148	33.91	56.52	1198	1996	400	550		85	4500	2500	2750	8800	DN125
	12.5	181	29.50	49.17	1042	1736	30.81	51.35	1088	1813	400	550		85	4500	2500	2750	8800	DN125

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

**) 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)

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