

Oil-injected

Rotary Screw Air Compressors

Installed motor power 5.5 - 400 kW/7.5 - 550 hp

Free air delivery from 0.36 to 75.64 m³/min, Pressure 3 - 40 bar



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OIL-INJECTED ROTARY SCREW AIR COMPRESSOR(fixed speed)

Features and advantages



01

Smart Controller

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



02

Stainless Steel Oil Pipe and Air Pipe

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



03

Intelligent Control and Protection

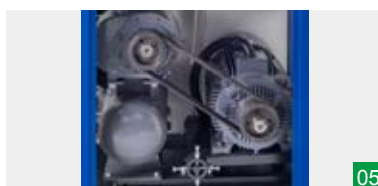
- Schneider electrical elements with original package from Germany, safe and reliable
- Reasonable, simple and clear wiring, easy for maintenance
- Good protection function ensures the stable running of the compressor unit



04

Premium Efficiency Drive Motor

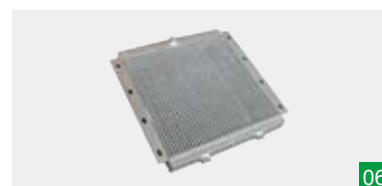
- Premium efficiency Totally Enclosed Fan Cooled (TEFC) IP54/IP55 motor (Class F insulation) protects against dust and chemicals etc.
- Long-term stable operation even in harsh environments up to 55 C (131 F)



05

Belt Driven

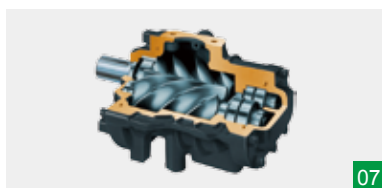
Germany Optibelt brand belts ensure the high performance and easy maintenance



06

Efficient Radiator

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



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



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 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

Technical parameters for EEI 1***

Model	Maximum working pressure		Capacity FAD*				Installed motor power		Driving Mode & Cooling Method	Dimensions (mm)			Weight (kg)	Noise level** [dB(A)]	Air outlet pipe diameter
			50 Hz		60 Hz					L	W	H			
	bar(e)	psig	m³/min	cfm	m³/min	cfm	kW	hp							
DA-55+	7.5	109	11.05	390	11.76	415	55	75	Direct Driven Air Cooling W-Water Cooling	2200	1400	1600	1600	69	G2"
	8.5	123	10.82	382	11.45	404	55	75		2200	1400	1600	1600	69	G2"
	10.5	152	10.61	375	9.89	349	55	75		2200	1400	1600	1600	69	G2"
	13	189	10.50	371	9.66	341	55	75		2200	1400	1600	1600	69	G2"
DA-75+	7.5	109	14.83	524	15.02	530	75	100		2200	1400	1600	1700	69	G2"
	8.5	123	14.52	513	14.86	525	75	100		2200	1400	1600	1700	69	G2"
	10.5	152	10.82	382	11.66	412	75	100		2200	1400	1600	1700	69	G2"
	13	189	10.65	376	9.92	350	75	100		2200	1400	1600	1700	69	G2"
DA-90(W)+	7.5	109	19.80	699	20.17	712	90	120		2950	1800	2300	2500	72	DN80
	8.5	123	19.06	673	19.78	698	90	120		2950	1800	2300	2500	72	DN80
	10.5	152	16.80	593	18.90	667	90	120		2950	1800	2300	2500	72	DN80
	13	189	13.86	489	16.32	576	90	120		2950	1800	2300	2500	72	DN80
DA-110(W)+	7.5	109	23.10	816	23.31	823	110	150		2950	1800	2300	3500	75	DN80
	8.5	123	22.66	800	23.00	812	110	150		2950	1800	2300	3500	75	DN80
	10.5	152	19.22	679	20.16	712	110	150		2950	1800	2300	3500	75	DN80
	13	189	18.90	667	16.63	587	110	150		2950	1800	2300	3500	75	DN80
DA-132(W)+	7.5	109	26.78	946	27.72	979	132	175	2950	1800	2300	3950	75	DN80	
	8.5	123	26.27	928	27.04	955	132	175	2950	1800	2300	3950	75	DN80	
	10.5	152	22.98	811	23.06	814	132	175	2950	1800	2300	3950	75	DN80	
	13	189	20.16	712	22.68	801	132	175	3700	2300	2450	3950	75	DN80	
DA-160(W)+	7.5	109	32.64	1153	32.99	1165	160	215	3700	2300	2450	5000	75	DN80	
	8.5	123	32.33	1142	32.34	1142	160	215	3700	2300	2450	5000	75	DN80	
	10.5	152	26.96	952	27.72	979	160	215	3700	2300	2450	5000	75	DN80	
	13	189	22.60	798	22.65	800	160	215	3700	2300	2450	5000	75	DN80	

*) 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 1- Energy Efficiency Index 1, which refers to enhanced energy saving series

Specifications are subject to change without notice.

Technical parameters for EEI 1***

Model	Maximum working pressure		Capacity FAD*				Installed motor power		Driving Mode & Cooling Method	Dimensions(mm)			Weight (kg)	Noise level** [dB(A)]	Air outlet pipe diameter
			50 Hz		60 Hz					L	W	H			
	bar(e)	psig	m³/min	cfm	m³/min	cfm	kW	hp							
DA-185(W)+	7.5	109	43.38	1532	41.05	1450	185	250	Direct Driven Air Cooling W-Water Cooling	3700	2300	2450	5500	75	DN100
	8.5	123	42.55	1502	40.96	1446	185	250		3700	2300	2450	5500	75	DN100
	10.5	152	33.14	1170	33.10	1169	185	250		3700	2300	2450	5500	75	DN100
	13	189	27.31	964	27.19	960	185	250		3700	2300	2450	5500	75	DN100
DA-200(W)+	7.5	109	44.20	1561	43.26	1528	200	270		3700	2300	2450	6500	78	DN100
	8.5	123	43.38	1532	42.33	1495	200	270		3700	2300	2450	6500	78	DN100
	10.5	152	34.10	1204	33.74	1191	200	270		3700	2300	2450	6500	78	DN100
	13	189	28.10	992	27.72	979	200	270		3700	2300	2450	6500	78	DN100
DA-220(W)+	7.5	109	47.80	1688	52.05	1838	220	300		3700	2300	2450	6700	78	DN100
	8.5	123	46.89	1656	51.95	1834	220	300		3700	2300	2450	6700	78	DN100
	10.5	152	38.98	1376	40.53	1431	220	300		3700	2300	2450	6700	78	DN100
	13	189	33.44	1181	33.40	1179	220	300		3700	2300	2450	6700	78	DN100
DA-250(W)+	7.5	109	51.31	1812	57.35	2025	250	350		3700	2300	2450	6800	78	DN100
	8.5	123	50.33	1777	56.01	1978	250	350		3700	2300	2450	6800	78	DN100
	10.5	152	42.41	1497	46.78	1652	250	350		3700	2300	2450	6800	78	DN100
	13	189	38.59	1363	40.13	1417	250	350		3700	2300	2450	6800	78	DN100
DA-280(W)+	7.5	109	56.55	1997	61.57	2174	280	375	4300	2400	2350	7500	78	DN125	
	8.5	123	55.48	1959	60.36	2131	280	375	4300	2400	2350	7500	78	DN125	
	10.5	152	47.66	1683	50.89	1797	280	375	4300	2400	2350	7500	78	DN125	
	13	189	41.99	1483	46.31	1635	280	375	4300	2400	2350	7500	78	DN125	
DA-315(W)+	7.5	109	63.91	2257	67.86	2396	315	425	4300	2400	2350	7800	80	DN125	
	8.5	123	62.70	2214	66.57	2351	315	425	4300	2400	2350	7800	80	DN125	
	10.5	152	55.99	1977	57.19	2019	315	425	4300	2400	2350	7800	80	DN125	
	13	189	42.41	1497	49.91	1762	315	425	4300	2400	2350	7800	80	DN125	
DA-355(W)+	7.5	109	74.11	2617	75.64	2671	355	475	4300	2400	2350	8500	80	DN125	
	8.5	123	73.40	2592	74.05	2615	355	475	4300	2400	2350	8500	80	DN125	
	10.5	152	63.28	2234	67.18	2372	355	475	4300	2400	2350	8500	80	DN125	
	13	189	47.66	1683	50.89	1797	355	475	4300	2400	2350	8500	80	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)

***) EEI 1- Energy Efficiency Index 1, which refers to enhanced energy saving series

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Technical parameters for EEI 2***

Model	Maximum working pressure		Capacity FAD*				Installed motor power		Driving Mode & Cooling Method	Dimensions(mm)			Weight (kg)	Noise level** [dB(A)]	Air outlet pipe diameter
			50 Hz		60 Hz					L	W	H			
	bar(e)	psig	m³/min	cfm	m³/min	cfm	kW	hp							
DA-5	7.5	109	0.85	30	0.87	31	5.5	7.5	Belt Driven	900	660	940	180	62	G3/4"
	8.5	123	0.81	29	0.84	30	5.5	7.5		900	660	940	180	62	G3/4"
DA-7	7.5	109	1.04	37	1.02	36	7.5	10	Direct Driven	900	660	940	200	62	G3/4"
	8.5	123	0.98	34	1.00	35	7.5	10		900	660	940	200	62	G3/4"
	10.5	152	0.89	32	0.89	32	7.5	10	Belt Driven	900	660	940	200	62	G3/4"
	13	189	0.72	25	0.74	26	7.5	10		900	660	940	200	62	G3/4"
DA-11	7.5	109	1.76	62	1.76	62	11	15	Direct Driven	900	660	940	255	62	G3/4"
	8.5	123	1.73	61	1.70	60	11	15		900	660	940	255	62	G3/4"
	10.5	152	1.37	48	1.37	48	11	15	Belt Driven	900	660	940	255	62	G3/4"
	13	189	1.12	40	1.12	40	11	15		900	660	940	255	62	G3/4"
DA-15	7.5	109	2.53	89	2.43	86	15	20	Direct Driven	1250	870	1060	300	64	G1-1/4"
	8.5	123	2.48	88	2.38	84	15	20		1250	870	1060	300	64	G1-1/4"
	10.5	152	2.03	72	2.34	83	15	20		1250	870	1060	300	64	G1-1/4"
	13	189	1.98	70	2.27	80	15	20		1250	870	1060	300	64	G1-1/4"
DA-18	7.5	109	3.00	106	3.63	128	18.5	25	Direct Driven	1250	870	1060	375	64	G1-1/4"
	8.5	123	2.94	104	3.54	125	18.5	25		1250	870	1060	375	64	G1-1/4"
	10.5	152	2.90	102	2.37	84	18.5	25		1250	870	1060	375	64	G1-1/4"
	13	189	2.02	71	2.34	83	18.5	25		1250	870	1060	375	64	G1-1/4"
DA-22	7.5	109	3.70	131	3.70	131	22	30	Direct Driven	1250	870	1060	420	66	G1-1/4"
	8.5	123	3.61	127	3.61	128	22	30		1250	870	1060	420	66	G1-1/4"
	10.5	152	3.54	125	3.52	124	22	30		1250	870	1060	420	66	G1-1/4"
	13	189	2.90	102	2.38	84	22	30		1250	870	1060	420	66	G1-1/4"
DA-30	7.5	109	5.24	185	4.41	156	30	40	Direct Driven	1650	1050	1400	645	66	G1-1/4"
	8.5	123	5.14	181	4.31	152	30	40		1650	1050	1400	645	66	G1-1/4"
	10.5	152	5.11	180	3.64	129	30	40		1650	1050	1400	645	66	G1-1/4"
	13	189	3.43	121	3.54	125	30	40		1650	1050	1400	645	66	G1-1/4"
DA-37	7.5	109	6.50	230	7.73	273	37	50	Air Cooling	1650	1050	1400	680	66	G1-1/4"
	8.5	123	6.47	228	7.63	269	37	50		1650	1050	1400	680	66	G1-1/4"
	10.5	152	6.32	223	6.39	226	37	50		1650	1050	1400	680	66	G1-1/4"
	13	189	5.10	180	6.28	222	37	50		1650	1050	1400	680	66	G1-1/4"
DA-45	7.5	109	7.65	270	7.88	278	45	60	Air Cooling	1650	1050	1400	840	69	G1-1/2"
	8.5	123	7.60	268	7.70	272	45	60		1650	1050	1400	840	69	G1-1/2"
	10.5	152	6.57	232	7.18	254	45	60		1650	1050	1400	840	69	G1-1/2"
	13	189	6.39	226	6.34	224	45	60		1650	1050	1400	840	69	G1-1/2"
DA-55	7.5	109	9.80	346	9.20	325	55	75	Air Cooling	2200	1400	1600	1250	69	G 2"
	8.5	123	9.71	343	9.06	320	55	75		2200	1400	1600	1250	69	G 2"
	10.5	152	9.24	326	7.80	275	55	75		2200	1400	1600	1250	69	G 2"
	13	189	7.35	260	7.59	268	55	75		2200	1400	1600	1250	69	G 2"
DA-75	7.5	109	13.91	491	12.53	442	75	100	Air Cooling	2200	1400	1600	1350	69	G 2"
	8.5	123	12.66	447	11.71	413	75	100		2200	1400	1600	1350	69	G 2"
	10.5	152	9.51	336	10.26	362	75	100		2200	1400	1600	1350	69	G 2"
	13	189	9.24	326	9.42	333	75	100		2200	1400	1600	1350	69	G 2"

*) 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 normal energy saving series

Specifications are subject to change without notice.

Technical parameters for EEI 2***

Model	Maximum working pressure		Capacity FAD*				Installed motor power		Driving Mode & Cooling Method	Dimensions (mm)			Weight (kg)	Noise level** [dB(A)]	Air outlet pipe diameter
	bar(e)	psig	50 Hz		60 Hz		kW	hp		L	W	H			
DA-90(W)	7.5	109	16.75	591	16.91	597	90	120	Direct Driven Air Cooling W-Water Cooling	2950	1800	2300	2100	72	DN50
	8.5	123	16.55	584	16.80	593	90	120		2950	1800	2300	2100	72	DN50
	10.5	152	14.18	501	14.76	521	90	120		2950	1800	2300	2100	72	DN50
	13	189	12.21	431	11.42	403	90	120		2950	1800	2300	2100	72	DN50
DA-110(W)	7.5	109	20.36	719	20.06	708	110	150		2950	1800	2300	2500	75	DN80
	8.5	123	20.00	706	19.98	706	110	150		2950	1800	2300	2500	75	DN80
	10.5	152	16.60	586	16.80	593	110	150		2950	1800	2300	2500	75	DN80
	13	189	14.07	497	14.67	518	110	150		2950	1800	2300	2500	75	DN80
DA-132(W)	7.5	109	22.80	805	24.43	863	132	175		2950	1800	2300	2600	75	DN80
	8.5	123	22.67	800	23.83	842	132	175		2950	1800	2300	2600	75	DN80
	10.5	152	19.83	700	19.79	699	132	175		2950	1800	2300	2600	75	DN80
	13	189	16.46	581	16.64	588	132	175		2950	1800	2300	2600	75	DN80
DA-160(W)	7.5	109	27.36	966	27.99	988	160	215		2950	1800	2300	3150	75	DN80
	8.5	123	26.80	946	27.32	965	160	215		2950	1800	2300	3150	75	DN80
	10.5	152	23.03	813	24.03	849	160	215		2950	1800	2300	3150	75	DN80
	13	189	20.14	711	19.75	697	160	215		2950	1800	2300	3150	75	DN80
DA-185(W)	7.5	109	29.37	1037	30.45	1075	185	250		2950	1800	2300	3550	75	DN80
	8.5	123	28.22	996	30.06	1061	185	250		2950	1800	2300	3550	75	DN80
	10.5	152	25.04	884	27.54	972	185	250		2950	1800	2300	3550	75	DN80
	13	189	22.03	778	23.75	839	185	250		2950	1800	2300	3550	75	DN80
DA-200(W)	7.5	109	32.41	1144	31.03	1096	200	270	3700	2300	2450	4150	78	DN80	
	8.5	123	31.14	1100	30.35	1071	200	270	3700	2300	2450	4150	78	DN80	
	10.5	152	28.41	1003	29.69	1048	200	270	3700	2300	2450	4150	78	DN80	
	13	189	24.94	881	26.97	952	200	270	3700	2300	2450	4150	78	DN80	
DA-220(W)	7.5	109	36.11	1275	37.68	1331	220	300	3700	2300	2450	4300	78	DN100	
	8.5	123	35.37	1249	33.24	1174	220	300	3700	2300	2450	4300	78	DN100	
	10.5	152	31.63	1117	33.16	1171	220	300	3700	2300	2450	4300	78	DN100	
	13	189	28.55	1008	26.97	952	220	300	3700	2300	2450	4300	78	DN100	
DA-250(W)	7.5	109	43.20	1525	42.99	1518	250	350	3700	2300	2450	4400	78	DN100	
	8.5	123	42.31	1494	42.17	1489	250	350	3700	2300	2450	4400	78	DN100	
	10.5	152	35.94	1269	33.50	1183	250	350	3700	2300	2450	4400	78	DN100	
	13	189	31.47	1111	32.74	1156	250	350	3700	2300	2450	4400	78	DN100	
DA-280(W)	7.5	109	46.47	1641	47.16	1665	280	375	3700	2300	2450	4600	78	DN125	
	8.5	123	45.53	1608	45.64	1612	280	375	3700	2300	2450	4600	78	DN125	
	10.5	152	40.89	1444	41.03	1449	280	375	3700	2300	2450	4600	78	DN125	
	13	189	35.81	1264	36.75	1298	280	375	3700	2300	2450	4600	78	DN125	
DA-315(W)	7.5	109	53.03	1872	50.88	1797	315	425	3700	2300	2450	6700	80	DN125	
	8.5	123	52.50	1854	48.52	1713	315	425	3700	2300	2450	6700	80	DN125	
	10.5	152	46.69	1649	45.51	1607	315	425	3700	2300	2450	6700	80	DN125	
	13	189	42.82	1512	40.86	1443	315	425	3700	2300	2450	6700	80	DN125	
DA-355(W)	7.5	109	63.21	2232	54.57	1927	355	475	3700	2300	2450	7200	80	DN125	
	8.5	123	61.80	2182	53.55	1891	355	475	3700	2300	2450	7200	80	DN125	
	10.5	152	51.50	1818	47.12	1663	355	475	3700	2300	2450	7200	80	DN125	
	13	189	45.65	1612	43.64	1540	355	475	3700	2300	2450	7200	80	DN125	
DA-400(W)	7.5	109	68.78	2429	70.77	2499	400	550	3700	2300	2450	8500	80	DN125	
	8.5	123	66.95	2364	69.01	2437	400	550	3700	2300	2450	8500	80	DN125	
	10.5	152	52.50	1854	48.04	1696	400	550	3700	2300	2450	8500	80	DN125	
	13	189	46.54	1643	44.49	1571	400	550	3700	2300	2450	8500	80	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)

***) EEI 2- Energy Efficiency Index 2, which refers to normal energy saving series

Specifications are subject to change without notice.

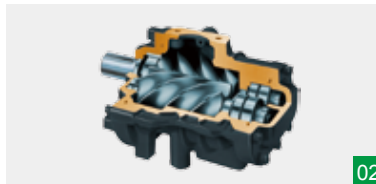
OIL-INJECTED ROTARY SCREW AIR COMPRESSOR(VSD)

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 keyboard, user-friendly, multilingual user interface.
- Improved ease of use: intuitive navigation system with main operation conditions include warning indications, maintenance scheduling etc.



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



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 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

Technical parameters

Model	Maximum working pressure		Capacity FAD*								Installed motor power		Driving Mode & Cooling Method	Dimensions (mm)			Weight (kg)	Noise level** [dB(A)]	Air outlet pipe diameter
			50 Hz				60 Hz							L	W	H			
			Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.									
bar(e)	psig	m³/min	m³/min	cfm	cfm	m³/min	m³/min	cfm	cfm	kW	hp								
DVA-5	7.5	109	0.43	0.85	15	30	0.44	0.87	16	31	5.5	7.5	Belt Driven	900	660	940	200	62	G3/4"
	8.5	123	0.41	0.81	14	29	0.42	0.84	15	30	5.5	7.5		900	660	940	200	62	G3/4"
DVA-7	7.5	109	0.52	1.04	18	37	0.51	1.02	19	36	7.5	10	Direct Driven	900	660	940	220	62	G3/4"
	8.5	123	0.49	0.98	17	34	0.50	1.00	18	35	7.5	10		900	660	940	220	62	G3/4"
	10.5	152	0.45	0.89	16	32	0.45	0.89	16	32	7.5	10	Belt Driven	900	660	940	220	62	G3/4"
	13	189	0.36	0.72	13	25	0.37	0.74	13	26	7.5	10		900	660	940	220	62	G3/4"
DVA-11	7.5	109	0.88	1.76	32	62	0.88	1.76	31	62	11	15	Direct Driven	900	660	940	280	62	G3/4"
	8.5	123	0.87	1.73	31	61	0.85	1.70	30	60	11	15		900	660	940	280	62	G3/4"
	10.5	152	0.69	1.37	24	48	0.68	1.37	24	48	11	15	Belt Driven	900	660	940	280	62	G3/4"
	13	189	0.56	1.12	20	40	0.56	1.12	20	40	11	15		900	660	940	280	62	G3/4"
DVA-15	7.5	109	1.27	2.53	45	89	1.21	2.43	43	86	15	20	Direct Driven Air Cooling	1250	870	1060	325	64	G1-1/4"
	8.5	123	1.24	2.48	44	88	1.19	2.38	42	84	15	20		1250	870	1060	325	64	G1-1/4"
	10.5	152	1.02	2.03	36	72	1.17	2.34	41	83	15	20		1250	870	1060	325	64	G1-1/4"
	13	189	0.99	1.98	35	70	1.14	2.27	40	80	15	20		1250	870	1060	325	64	G1-1/4"
DVA-18	7.5	109	1.50	3.00	53	106	1.82	3.63	64	128	18.5	25		1250	870	1060	400	64	G1-1/4"
	8.5	123	1.47	2.94	52	104	1.77	3.54	63	125	18.5	25		1250	870	1060	400	64	G1-1/4"
	10.5	152	1.45	2.90	51	102	1.19	2.37	42	84	18.5	25		1250	870	1060	400	64	G1-1/4"
	13	189	1.01	2.02	36	71	1.17	2.34	41	83	18.5	25		1250	870	1060	400	64	G1-1/4"
DVA-22	7.5	109	1.85	3.70	65	131	1.85	3.70	65	131	22	30		1250	870	1060	440	66	G1-1/4"
	8.5	123	1.81	3.61	64	127	1.81	3.61	64	128	22	30		1250	870	1060	440	66	G1-1/4"
	10.5	152	1.77	3.54	62	125	1.76	3.52	62	124	22	30		1250	870	1060	440	66	G1-1/4"
	13	189	1.45	2.90	51	102	1.19	2.38	42	84	22	30		1250	870	1060	440	66	G1-1/4"
DVA-30	7.5	109	2.62	5.24	93	185	2.21	4.41	78	156	30	40		1650	1050	1400	670	66	G1-1/4"
	8.5	123	2.57	5.14	91	181	2.15	4.31	76	152	30	40		1650	1050	1400	670	66	G1-1/4"
	10.5	152	2.56	5.11	90	180	1.82	3.64	64	129	30	40		1650	1050	1400	670	66	G1-1/4"
	13	189	1.72	3.43	61	121	1.77	3.54	63	125	30	40		1650	1050	1400	670	66	G1-1/4"
DVA-37	7.5	109	3.25	6.50	115	230	3.86	7.73	136	273	37	50		1650	1050	1400	710	66	G1-1/4"
	8.5	123	3.24	6.47	114	228	3.81	7.63	135	269	37	50		1650	1050	1400	710	66	G1-1/4"
	10.5	152	3.16	6.32	112	223	3.20	6.39	113	226	37	50		1650	1050	1400	710	66	G1-1/4"
	13	189	2.55	5.10	90	180	3.14	6.28	111	222	37	50		1650	1050	1400	710	66	G1-1/4"
DVA-45	7.5	109	3.83	7.65	135	270	3.94	7.88	139	278	45	60		1650	1050	1400	860	69	G1-1/2"
	8.5	123	3.80	7.60	134	268	3.85	7.70	136	272	45	60		1650	1050	1400	860	69	G1-1/2"
	10.5	152	3.28	6.57	116	232	3.59	7.18	127	254	45	60		1650	1050	1400	860	69	G1-1/2"
	13	189	3.20	6.39	113	226	3.17	6.34	112	224	45	60		1650	1050	1400	860	69	G1-1/2"
DVA-55	7.5	109	4.90	9.80	173	346	4.60	9.20	162	325	55	75		2200	1400	1600	1350	69	G 2"
	8.5	123	4.86	9.71	171	343	4.53	9.06	160	320	55	75		2200	1400	1600	1350	69	G 2"
	10.5	152	4.62	9.24	163	326	3.90	7.80	138	275	55	75		2200	1400	1600	1350	69	G 2"
	13	189	3.68	7.35	130	260	3.80	7.59	134	268	55	75		2200	1400	1600	1350	69	G 2"
DVA-75	7.5	109	6.96	13.91	246	491	6.27	12.53	221	442	75	100		2200	1400	1600	1450	69	G 2"
	8.5	123	6.33	12.66	224	447	5.86	11.71	207	413	75	100		2200	1400	1600	1450	69	G 2"
	10.5	152	4.76	9.51	168	336	5.13	10.26	181	362	75	100		2200	1400	1600	1450	69	G 2"
	13	189	4.62	9.24	163	326	4.71	9.42	166	333	75	100		2200	1400	1600	1450	69	G 2"

*) 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.

Technical parameters

Model	Maximum working pressure		Capacity FAD*								Installed motor power		Driving Mode & Cooling Method	Dimensions(mm)			Weight (kg)	Noise level** [dB(A)]	Air outlet pipe diameter
			50 Hz				60 Hz												
			bar(e)	psig	m³/min	m³/min	cfm	cfm	m³/min	m³/min				cfm	cfm	kW			
DVA-90	7.5	109	8.38	16.75	296	591	8.45	16.91	298	597	90	120	2950	1800	2300	2200	72	DN50	
	8.5	123	8.28	16.55	292	584	8.40	16.80	297	593	90	120	2950	1800	2300	2200	72	DN50	
	10.5	152	7.09	14.18	250	501	7.38	14.76	261	521	90	120	2950	1800	2300	2200	72	DN50	
	13	189	6.11	12.21	216	431	5.71	11.42	202	403	90	120	2950	1800	2300	2200	72	DN50	
DVA-110	7.5	109	10.18	20.36	359	719	10.03	20.06	354	708	110	150	2950	1800	2300	2650	75	DN80	
	8.5	123	10.00	20.00	353	706	9.99	19.98	353	706	110	150	2950	1800	2300	2650	75	DN80	
	10.5	152	8.30	16.60	293	586	8.40	16.80	297	593	110	150	2950	1800	2300	2650	75	DN80	
	13	189	7.04	14.07	248	497	7.33	14.67	259	518	110	150	2950	1800	2300	2650	75	DN80	
DVA-132	7.5	109	11.40	22.80	403	805	12.22	24.43	431	863	132	175	2950	1800	2300	2800	75	DN80	
	8.5	123	11.34	22.67	400	800	11.92	23.83	421	842	132	175	2950	1800	2300	2800	75	DN80	
	10.5	152	9.92	19.83	350	700	9.90	19.79	349	699	132	175	2950	1800	2300	2800	75	DN80	
	13	189	8.23	16.46	291	581	8.32	16.64	294	588	132	175	2950	1800	2300	2800	75	DN80	
DVA-160	7.5	109	13.68	27.36	483	966	14.00	27.99	494	988	160	215	2950	1800	2300	3450	75	DN80	
	8.5	123	13.40	26.80	473	946	13.66	27.32	482	965	160	215	2950	1800	2300	3450	75	DN80	
	10.5	152	11.52	23.03	407	813	12.02	24.03	424	849	160	215	2950	1800	2300	3450	75	DN80	
	13	189	10.07	20.14	356	711	9.88	19.75	349	697	160	215	2950	1800	2300	3450	75	DN80	
DVA-185(W)	7.5	109	14.69	29.37	519	1037	15.23	30.45	538	1075	185	250	2950	1800	2300	3850	75	DN80	
	8.5	123	14.11	28.22	498	996	15.03	30.06	531	1061	185	250	2950	1800	2300	3850	75	DN80	
	10.5	152	12.52	25.04	442	884	13.77	27.54	486	972	185	250	2950	1800	2300	3850	75	DN80	
	13	189	11.02	22.03	389	778	11.88	23.75	419	839	185	250	2950	1800	2300	3850	75	DN80	
DVA-200(W)	7.5	109	16.21	32.41	572	1144	15.52	31.03	548	1096	200	270	3700	2300	2450	4400	78	DN80	
	8.5	123	15.57	31.14	550	1100	15.17	30.35	536	1071	200	270	3700	2300	2450	4400	78	DN80	
	10.5	152	14.21	28.41	502	1003	14.85	29.69	524	1048	200	270	3700	2300	2450	4400	78	DN80	
	13	189	12.47	24.94	440	881	13.49	26.97	476	952	200	270	3700	2300	2450	4400	78	DN80	
DVA-220(W)	7.5	109	18.06	36.11	638	1275	18.84	37.68	665	1331	220	300	3700	2300	2450	4500	78	DN100	
	8.5	123	17.69	35.37	624	1249	16.62	33.24	587	1174	220	300	3700	2300	2450	4500	78	DN100	
	10.5	152	15.82	31.63	558	1117	16.58	33.16	585	1171	220	300	3700	2300	2450	4500	78	DN100	
	13	189	14.28	28.55	504	1008	13.49	26.97	476	952	220	300	3700	2300	2450	4500	78	DN100	
DVA-250(W)	7.5	109	21.60	43.20	763	1525	21.49	42.99	759	1518	250	350	3700	2300	2450	4700	78	DN100	
	8.5	123	21.16	42.31	747	1494	21.08	42.17	744	1489	250	350	3700	2300	2450	4700	78	DN100	
	10.5	152	17.97	35.94	635	1269	16.75	33.50	591	1183	250	350	3700	2300	2450	4700	78	DN100	
	13	189	15.74	31.47	556	1111	16.37	32.74	578	1156	250	350	3700	2300	2450	4700	78	DN100	
DVA-280(W)	7.5	109	23.24	46.47	820	1641	23.58	47.16	833	1665	280	375	3700	2300	2450	4900	78	DN125	
	8.5	123	22.77	45.53	804	1608	22.82	45.64	806	1612	280	375	3700	2300	2450	4900	78	DN125	
	10.5	152	20.45	40.89	722	1444	20.52	41.03	724	1449	280	375	3700	2300	2450	4900	78	DN125	
	13	189	17.91	35.81	632	1264	18.38	36.75	649	1298	280	375	3700	2300	2450	4900	78	DN125	
DVA-315(W)	7.5	109	26.52	53.03	936	1872	25.44	50.88	898	1797	315	425	3700	2300	2450	7000	80	DN125	
	8.5	123	26.25	52.50	927	1854	24.26	48.52	857	1713	315	425	3700	2300	2450	7000	80	DN125	
	10.5	152	23.35	46.69	824	1649	22.75	45.51	803	1607	315	425	3700	2300	2450	7000	80	DN125	
	13	189	21.41	42.82	756	1512	20.43	40.86	721	1443	315	425	3700	2300	2450	7000	80	DN125	
DVA-355W	7.5	109	31.61	63.21	1116	2232	27.29	54.57	963	1927	355	475	3700	2300	2450	7500	80	DN125	
	8.5	123	30.90	61.80	1091	2182	26.78	53.55	945	1891	355	475	3700	2300	2450	7500	80	DN125	
	10.5	152	25.75	51.50	909	1818	23.56	47.12	832	1663	355	475	3700	2300	2450	7500	80	DN125	
	13	189	22.83	45.65	806	1612	21.82	43.64	770	1540	355	475	3700	2300	2450	7500	80	DN125	
DVA-400W	7.5	109	34.39	68.78	1214	2429	35.39	70.77	1249	2499	400	550	3700	2300	2450	8800	80	DN125	
	8.5	123	33.48	66.95	1182	2364	34.51	69.01	1218	2437	400	550	3700	2300	2450	8800	80	DN125	
	10.5	152	26.25	52.50	927	1854	24.02	48.04	848	1696	400	550	3700	2300	2450	8800	80	DN125	
	13	189	23.27	46.54	822	1643	22.24	44.49	785	1571	400	550	3700	2300	2450	8800	80	DN125	

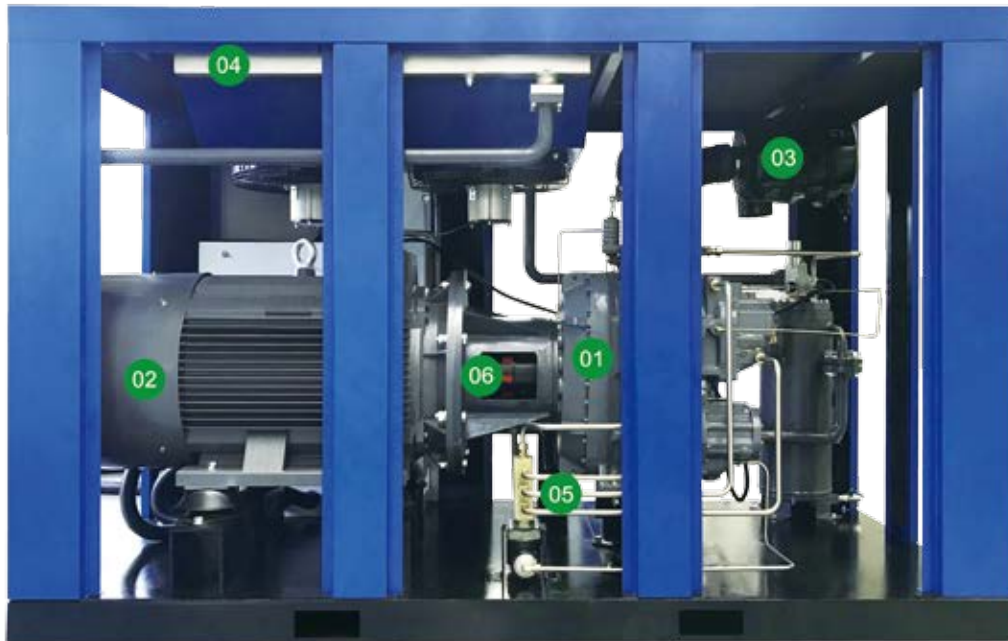
* FAD in accordance with ISO 1217 : 2009, Annex C: Absolute intake pressure 1 bar (a), cooling and air intake temperature 20 °C

** 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)

Specifications are subject to change without notice.

HIGH PRESSURE ROTARY SCREW COMPRESSOR(VSD)

Features and advantages



01

Two-Stage Rotary Screw Air End

- Discharge pressure is up to 40 bar(=580 psig).
- Delivers 10-17% more air than a single-stage compressor with no additional power.
- Lower compression ratio in each stage reduces bearing loads and increases air end life.



02

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)



03

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



04

Efficient Radiator

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



05

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



06

Energy-saving 1:1 Direct Driven design

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

Technical parameters

Model	Maximum working pressure		Capacity FAD*								Installed motor power		Driving Mode & Cooling Method	Dimensions(mm)			Weight	Noise level**	Air outlet pipe diameter
			50 Hz				60 Hz							L	W	H			
	bar(e)	psig	Min. m ³ /min	Max. m ³ /min	Min. cfm	Max. cfm	Min. m ³ /min	Max. m ³ /min	Min. cfm	Max. cfm	kW	hp							
DVAH-110-16	16	233	5.92	11.84	209	418	5.81	11.62	205	410	110	150	2800	1950	2000	2300	78	DN80	
DVAH-110-18	18	261	5.63	11.27	199	398	5.58	11.16	197	394	110	150	2800	1950	2000	2300	78	DN80	
DVAH-110-20	20	290	5.43	10.87	192	384	5.38	10.76	190	380	110	150	2800	1950	2000	2500	78	DN80	
DVAH-110-25	25	363	5.38	10.76	190	380	5.28	10.56	187	373	110	150	2800	1950	2000	2500	78	DN80	
DVAH-110-30	30	435	5.30	10.60	187	374	5.15	10.30	182	364	110	150	2800	1950	2000	2500	78	DN50	
DVAH-110-35	35	508	5.25	10.50	185	371	5.10	10.20	180	360	110	150	2800	1950	2000	4150	78	DN50	
DVAH-110-40	40	580	5.20	10.40	184	367	5.05	10.10	179	357	110	150	2800	1950	2000	4150	78	DN50	
DVAH-132-16	16	233	7.32	14.64	258	517	7.25	14.50	256	512	132	175	2800	1950	2000	2450	78	DN80	
DVAH-132-18	18	261	6.62	13.24	234	467	6.49	12.99	230	459	132	175	2800	1950	2000	2450	78	DN80	
DVAH-132-20	20	290	6.56	13.11	232	463	6.42	12.84	227	453	132	175	2800	1950	2000	2650	78	DN80	
DVAH-132-25	25	363	6.49	12.99	229	459	6.23	12.46	220	440	132	175	2800	1950	2000	2650	78	DN80	
DVAH-132-30	30	435	5.45	10.90	192	385	5.25	10.50	186	371	132	175	2800	1950	2000	2650	78	DN50	
DVAH-132-35	35	508	5.40	10.80	191	381	5.20	10.40	184	367	132	175	2800	1950	2000	4250	78	DN50	
DVAH-132-40	40	580	5.35	10.70	189	378	5.15	10.30	182	364	132	175	2800	1950	2000	4250	78	DN50	
DVAH-160-16	16	233	9.38	18.76	331	663	9.38	18.76	332	663	160	215	2950	1800	2300	3000	80	DN80	
DVAH-160-18	18	261	9.30	18.61	328	657	9.21	18.43	326	651	160	215	2950	1800	2300	3000	80	DN80	
DVAH-160-20	20	290	8.06	16.13	285	569	8.06	16.13	285	569	160	215	2950	1800	2300	3200	80	DN80	
DVAH-160-25	25	363	7.91	15.82	279	559	7.99	15.97	282	564	160	215	2950	1800	2300	3200	80	DN80	
DVAH-185-16	16	233	10.30	20.60	364	727	10.30	20.60	364	727	185	250	2950	1800	2300	3200	80	DN80	
DVAH-185-18	18	261	10.19	20.37	360	719	10.19	20.37	360	719	185	250	2950	1800	2300	3200	80	DN80	
DVAH-185-20	20	290	8.89	17.79	314	628	8.81	17.62	311	622	185	250	2950	1800	2300	3500	80	DN80	
DVAH-185-25	25	363	8.81	17.62	311	622	8.73	17.45	308	616	185	250	2950	1800	2300	3500	80	DN80	
DVAH-200W-16	16	233	12.17	24.34	430	859	11.94	23.88	422	843	200	275	3700	2300	2450	3200	80	DN80	
DVAH-200W-18	18	261	11.32	22.64	400	799	11.32	22.64	400	799	200	275	3700	2300	2450	3200	80	DN80	
DVAH-200W-20	20	290	10.68	21.37	377	754	10.68	21.37	377	754	200	275	3700	2300	2450	3500	80	DN80	
DVAH-200W-25	25	363	9.09	18.19	321	642	9.09	18.19	321	642	200	275	3700	2300	2450	3500	80	DN80	
DVAH-220W-16	16	233	12.40	24.80	438	876	12.17	24.34	430	859	220	300	3700	2300	2450	3600	80	DN80	
DVAH-220W-18	18	261	12.21	24.42	431	862	11.84	23.67	418	836	220	300	3700	2300	2450	4000	80	DN80	
DVAH-220W-20	20	290	11.21	22.42	396	792	11.21	22.42	396	792	220	300	3700	2300	2450	4000	80	DN80	
DVAH-220W-25	25	363	10.47	20.94	370	739	10.47	20.94	370	739	220	300	3700	2300	2450	4000	80	DN80	
DVAH-250W-16	16	233	14.06	28.13	496	993	14.06	28.13	497	993	250	350	3700	2300	2450	4300	82	DN80	
DVAH-250W-18	18	261	13.99	27.99	494	988	13.99	27.99	494	988	250	350	3700	2300	2450	5300	82	DN80	
DVAH-250W-20	20	290	12.95	25.89	457	914	12.95	25.89	457	914	250	350	3700	2300	2450	5300	82	DN80	
DVAH-250W-25	25	363	12.45	24.90	440	879	12.45	24.90	440	879	250	350	3700	2300	2450	5300	82	DN80	
DVAH-280W-16	16	233	16.51	33.02	583	1166	16.51	33.02	583	1166	280	375	3700	2300	2450	4500	82	DN80	
DVAH-280W-18	18	261	14.84	29.68	524	1048	14.84	29.68	524	1048	280	375	3700	2300	2450	5500	82	DN80	
DVAH-280W-20	20	290	14.69	29.38	519	1037	14.69	29.38	519	1037	280	375	3700	2300	2450	5500	82	DN80	
DVAH-280W-25	25	363	12.69	25.38	448	896	12.69	25.38	448	896	280	375	3700	2300	2450	5500	82	DN80	

*) 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.

LOW PRESSURE ROTARY SCREW COMPRESSOR(VSD)



Technical parameters

Model	Maximum working pressure		Capacity FAD*								Installed motor power		Driving Mode & Cooling Method	Dimensions(mm)			Weight	Noise level**	Air outlet pipe diameter
			50 Hz				60 Hz							L	W	H			
	bar(e)	psig	Min. m ³ /min	Max. m ³ /min	Min. cfm	Max. cfm	Min. m ³ /min	Max. m ³ /min	Min. cfm	Max. cfm	kW	hp		kg	dB(A)				
DVAL-55-3	3	43.5	8.39	16.78	296	592	7.46	14.92	264	527	55	75	Direct Driven Air Cooling/W-Water Cooling	2950	1800	2300	1800	70	DN50
DVAL-75-3			11.55	23.10	408	816	12.22	24.44	432	863	75	100		2950	1800	2300	1900	70	DN80
DVAL-90-3			12.78	25.57	452	903	13.85	27.71	489	978	90	120		2950	1800	2300	2500	74	DN80
DVAL-110-3			16.00	31.99	565	1130	14.12	28.25	499	997	110	150		3700	2300	2450	3700	74	DN80
DVAL-132-3			17.89	35.77	632	1263	15.36	30.71	542	1084	132	175		3700	2300	2450	4000	74	DN80
DVAL-160-3			19.51	39.02	689	1378	17.55	35.09	620	1239	160	215		3700	2300	2450	4500	77	DN80
DVAL-185(W)-3			21.76	43.51	768	1536	22.58	45.15	797	1594	185	250		3700	2300	2450	5200	77	DN100
DVAL-250(W)-3			31.50	63.00	1113	2225	34.65	69.30	1224	2447	250	350		4300	2400	2350	6600	82	DN100

*) 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.



P_DNR201808-02 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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