

Oil-injected

Rotary Screw Air Compressors

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

Free air delivery from 0.47 to 74.20 m³/min, Pressure 3 - 40 bar



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OIL-INJECTED ROTARY SCREW AIR COMPRESSOR

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 = 752 °F) 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

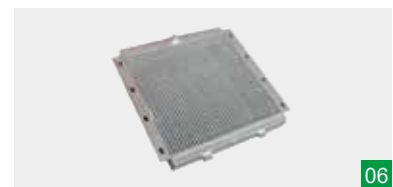
- Premium efficiency Totally Enclosed Fan Cooled (TEFC) IP54/IP55 motor (Class F insulation) protects against dust and chemicals etc.
- Long-term stable operation even in harsh environments up to 55 °C (131 °F)



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	11.33	400	11.54	407	55	75	Direct Driven Air Cooling	2200	1400	1600	1600	69	G2"
	8.5	123	11.12	393	11.23	396	55	75		2200	1400	1600	1600	69	G2"
	10.5	152	9.79	346	9.70	343	55	75		2200	1400	1600	1600	69	G2"
	13	189	9.70	343	9.66	341	55	75		2200	1400	1600	1600	69	G2"
DA-75+	7.5	109	14.63	516	14.73	520	75	100		2200	1400	1600	1700	69	G2"
	8.5	123	14.52	513	14.57	515	75	100		2200	1400	1600	1700	69	G2"
	10.5	152	11.23	396	11.43	404	75	100		2200	1400	1600	1700	69	G2"
	13	189	9.70	343	9.73	344	75	100		2200	1400	1600	1700	69	DN80
DA-90+	7.5	109	19.80	699	19.79	699	90	120		2950	1800	2300	2500	72	DN80
	8.5	123	19.78	698	19.78	698	90	120		2950	1800	2300	2500	72	DN80
	10.5	152	16.48	582	18.54	655	90	120		2950	1800	2300	2500	72	DN80
	13	189	13.60	480	16.32	576	90	120		2950	1800	2300	2500	72	DN80
DA-110+	7.5	109	22.66	800	22.87	807	110	150		2950	1800	2300	3500	75	DN80
	8.5	123	22.56	796	22.56	796	110	150		2950	1800	2300	3500	75	DN80
	10.5	152	18.85	666	19.78	698	110	150		2950	1800	2300	3500	75	DN80
	13	189	18.54	655	16.32	576	110	150		2950	1800	2300	3500	75	DN80
DA-132+	7.5	109	27.60	975	27.19	960	132	175	2950	1800	2300	3950	75	DN80	
	8.5	123	26.99	953	27.04	955	132	175	2950	1800	2300	3950	75	DN80	
	10.5	152	22.45	793	22.62	799	132	175	2950	1800	2300	3950	75	DN80	
	13	189	18.85	666	22.25	786	132	175	2950	1800	2300	3950	75	DN80	
DA-160+	7.5	109	32.53	1149	32.36	1143	160	215	3700	2300	2450	5000	75	DN80	
	8.5	123	32.49	1147	32.34	1142	160	215	3700	2300	2450	5000	75	DN80	
	10.5	152	27.58	974	27.19	960	160	215	3700	2300	2450	5000	75	DN80	
	13	189	22.40	791	22.22	784	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

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	42.55	1502	40.27	1422	185	250	Direct Driven Air Cooling W-Water Cooling	3700	2300	2450	5500	75	DN100
	8.5	123	42.53	1502	40.18	1419	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	44.61	1575	42.44	1498	200	270		3700	2300	2450	6500	78	DN100
	8.5	123	44.59	1574	42.33	1495	200	270		3700	2300	2450	6500	78	DN100
	10.5	152	33.14	1170	33.10	1169	200	270		3700	2300	2450	6500	78	DN100
	13	189	27.31	964	27.19	960	200	270		3700	2300	2450	6500	78	DN100
DA-220(W)+	7.5	109	46.89	1656	51.06	1803	220	300		3700	2300	2450	6700	78	DN100
	8.5	123	46.83	1654	50.96	1799	220	300		3700	2300	2450	6700	78	DN100
	10.5	152	38.24	1350	39.76	1404	220	300		3700	2300	2450	6700	78	DN100
	13	189	32.81	1158	32.77	1157	220	300		3700	2300	2450	6700	78	DN100
DA-250(W)+	7.5	109	56.24	1986	56.26	1986	250	350		3700	2300	2450	6800	78	DN100
	8.5	123	56.22	1985	56.01	1978	250	350		3700	2300	2450	6800	78	DN100
	10.5	152	41.60	1469	45.89	1620	250	350		3700	2300	2450	6800	78	DN100
	13	189	37.85	1337	39.37	1390	250	350		3700	2300	2450	6800	78	DN100
DA-280(W)+	7.5	109	58.40	2062	60.39	2133	280	375	4300	2400	2350	7500	78	DN125	
	8.5	123	58.09	2051	60.36	2131	280	375	4300	2400	2350	7500	78	DN125	
	10.5	152	46.75	1651	49.92	1763	280	375	4300	2400	2350	7500	78	DN125	
	13	189	41.19	1454	45.42	1604	280	375	4300	2400	2350	7500	78	DN125	
DA-315(W)+	7.5	109	62.70	2214	66.57	2351	315	425	4300	2400	2350	7800	80	DN125	
	8.5	123	62.62	2211	66.57	2351	315	425	4300	2400	2350	7800	80	DN125	
	10.5	152	54.92	1939	56.10	1981	315	425	4300	2400	2350	7800	80	DN125	
	13	189	41.60	1469	49.43	1745	315	425	4300	2400	2350	7800	80	DN125	
DA-355(W)+	7.5	109	72.70	2567	74.20	2620	355	475	4300	2400	2350	8500	80	DN125	
	8.5	123	72.62	2564	74.05	2615	355	475	4300	2400	2350	8500	80	DN125	
	10.5	152	62.08	2192	65.90	2327	355	475	4300	2400	2350	8500	80	DN125	
	13	189	46.75	1651	49.92	1763	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

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				
			m³/min	cfm	m³/min	cfm										
DA-5	7.5	109	0.85	30	0.85	30	5.5	7.5	Belt Driven Air Cooling	900	660	940	180	62	G3/4"	
	8.5	123	0.84	30	0.84	30	5.5	7.5		900	660	940	180	62	G3/4"	
	10.5	152	0.59	21	0.59	21	5.5	7.5		900	660	940	180	62	G3/4"	
	13.0	189	0.47	17	0.47	17	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		900	660	940	200	62	G3/4"	
	8.5	123	0.96	34	0.96	34	7.5	10		900	660	940	200	62	G3/4"	
	10.5	152	0.88	31	0.88	31	7.5	10		900	660	940	200	62	G3/4"	
	13	189	0.72	25	0.72	25	7.5	10		900	660	940	200	62	G3/4"	
DA-11	7.5	109	1.73	61	1.66	59	11	15		900	660	940	255	62	G3/4"	
	8.5	123	1.73	61	1.58	56	11	15		900	660	940	255	62	G3/4"	
	10.5	152	1.34	47	1.34	47	11	15		900	660	940	255	62	G3/4"	
	13	189	1.10	39	1.10	39	11	15		900	660	940	255	62	G3/4"	
DA-15	7.5	109	2.48	88	2.34	83	15	20		Direct Driven Air Cooling	1250	870	1040	300	64	G1-1/4"
	8.5	123	2.47	87	2.34	83	15	20			1250	870	1040	300	64	G1-1/4"
	10.5	152	1.99	70	2.32	82	15	20			1250	870	1040	300	64	G1-1/4"
	13	189	1.98	70	2.30	81	15	20			1250	870	1040	300	64	G1-1/4"
DA-18	7.5	109	2.95	104	3.56	126	18.5	25	1250		870	1040	375	64	G1-1/4"	
	8.5	123	2.94	104	3.54	125	18.5	25	1250		870	1040	375	64	G1-1/4"	
	10.5	152	2.90	103	2.34	83	18.5	25	1250		870	1040	375	64	G1-1/4"	
	13	189	1.98	70	2.33	82	18.5	25	1250		870	1040	375	64	G1-1/4"	
DA-22	7.5	109	3.63	128	3.56	126	22	30	1250		870	1040	420	66	G1-1/4"	
	8.5	123	3.61	127	3.54	125	22	30	1250		870	1040	420	66	G1-1/4"	
	10.5	152	2.90	103	3.52	124	22	30	1250		870	1040	420	66	G1-1/4"	
	13	189	2.88	102	2.34	83	22	30	1250		870	1040	420	66	G1-1/4"	
DA-30	7.5	109	5.15	182	4.33	153	30	40	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	3.57	126	30	40	1650		1050	1400	645	66	G1-1/4"	
	13	189	3.37	119	3.54	125	30	40	1650		1050	1400	645	66	G1-1/4"	
DA-37	7.5	109	6.38	225	7.73	273	37	50	Direct Driven Air Cooling		1650	1050	1400	680	66	G1-1/4"
	8.5	123	6.34	224	7.70	272	37	50			1650	1050	1400	680	66	G1-1/4"
	10.5	152	6.32	223	6.27	221	37	50			1650	1050	1400	680	66	G1-1/4"
	13	189	6.27	221	6.16	217	37	50			1650	1050	1400	680	66	G1-1/4"
DA-45	7.5	109	7.51	265	7.73	273	45	60			1650	1050	1400	840	69	G1-1/2"
	8.5	123	7.46	263	7.70	272	45	60			1650	1050	1400	840	69	G1-1/2"
	10.5	152	6.32	223	6.91	244	45	60			1650	1050	1400	840	69	G1-1/2"
	13	189	5.10	180	6.16	217	45	60			1650	1050	1400	840	69	G1-1/2"
DA-55	7.5	109	9.61	339	8.94	316	55	75		Direct Driven Air Cooling	2200	1400	1600	1250	69	G 2"
	8.5	123	9.53	336	8.89	314	55	75			2200	1400	1600	1250	69	G 2"
	10.5	152	9.24	326	7.65	270	55	75			2200	1400	1600	1250	69	G 2"
	13	189	7.21	255	7.59	268	55	75			2200	1400	1600	1250	69	G 2"
DA-75	7.5	109	13.91	491	14.61	516	75	100			2200	1400	1600	1350	69	G 2"
	8.5	123	12.18	430	14.56	514	75	100			2200	1400	1600	1350	69	G 2"
	10.5	152	9.33	330	11.37	402	75	100			2200	1400	1600	1350	69	G 2"
	13	189	9.06	320	11.21	396	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

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			
			m³/min	cfm	m³/min	cfm									
DA-90	7.5	109	16.43	580	16.58	586	90	120	Direct Driven Air Cooling	2950	1800	2300	2100	72	DN50
	8.5	123	16.39	579	16.48	582	90	120		2950	1800	2300	2100	72	DN50
	10.5	152	13.91	491	14.48	511	90	120		2950	1800	2300	2100	72	DN50
	13	189	11.98	423	11.21	396	90	120		2950	1800	2300	2100	72	DN50
DA-110	7.5	109	19.69	695	19.67	695	110	150		2950	1800	2300	2500	75	DN80
	8.5	123	19.62	693	19.62	693	110	150		2950	1800	2300	2500	75	DN80
	10.5	152	16.28	575	16.48	582	110	150		2950	1800	2300	2500	75	DN80
	13	189	13.80	487	14.39	508	110	150		2950	1800	2300	2500	75	DN80
DA-132	7.5	109	22.36	790	23.97	846	132	175		2950	1800	2300	2600	75	DN80
	8.5	123	22.24	785	23.83	842	132	175		2950	1800	2300	2600	75	DN80
	10.5	152	19.46	687	19.42	686	132	175		2950	1800	2300	2600	75	DN80
	13	189	16.15	570	16.33	576	132	175		2950	1800	2300	2600	75	DN80
DA-160	7.5	109	26.34	930	27.46	970	160	215		2950	1800	2300	3150	75	DN80
	8.5	123	26.29	928	27.32	965	160	215		2950	1800	2300	3150	75	DN80
	10.5	152	21.96	775	23.58	832	160	215		2950	1800	2300	3150	75	DN80
	13	189	19.21	678	19.37	684	160	215		2950	1800	2300	3150	75	DN80
DA-185(W)	7.5	109	28.27	998	29.87	1055	185	250	Direct Driven Air Cooling W-Water Cooling	2950	1800	2300	3550	75	DN80
	8.5	123	28.22	997	29.77	1051	185	250		2950	1800	2300	3550	75	DN80
	10.5	152	24.57	867	27.02	954	185	250		2950	1800	2300	3550	75	DN80
	13	189	21.61	763	23.30	823	185	250		2950	1800	2300	3550	75	DN80
DA-200(W)	7.5	109	31.20	1102	29.87	1055	200	270		3700	2300	2450	4150	78	DN80
	8.5	123	31.14	1099	29.77	1051	200	270		3700	2300	2450	4150	78	DN80
	10.5	152	27.87	984	29.13	1029	200	270		3700	2300	2450	4150	78	DN80
	13	189	24.46	864	26.46	934	200	270		3700	2300	2450	4150	78	DN80
DA-220(W)	7.5	109	35.42	1251	36.97	1305	220	300		3700	2300	2450	4300	78	DN100
	8.5	123	35.37	1249	32.61	1151	220	300		3700	2300	2450	4300	78	DN100
	10.5	152	31.02	1095	32.53	1149	220	300		3700	2300	2450	4300	78	DN100
	13	189	27.87	984	26.46	934	220	300		3700	2300	2450	4300	78	DN100
DA-250(W)	7.5	109	42.37	1496	42.17	1489	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	35.26	1245	32.86	1160	250	350		3700	2300	2450	4400	78	DN100
	13	189	30.87	1090	32.74	1156	250	350		3700	2300	2450	4400	78	DN100
DA-280(W)	7.5	109	45.59	1610	46.26	1633	280	375		3700	2300	2450	4600	78	DN125
	8.5	123	45.53	1608	44.77	1581	280	375		3700	2300	2450	4600	78	DN125
	10.5	152	40.11	1416	40.25	1421	280	375		3700	2300	2450	4600	78	DN125
	13	189	35.12	1240	36.05	1273	280	375		3700	2300	2450	4600	78	DN125
DA-315(W)	7.5	109	52.02	1837	49.91	1762	315	425	3700	2300	2450	6700	80	DN125	
	8.5	123	51.50	1818	47.60	1681	315	425	3700	2300	2450	6700	80	DN125	
	10.5	152	45.80	1617	44.64	1576	315	425	3700	2300	2450	6700	80	DN125	
	13	189	42.00	1483	40.08	1415	315	425	3700	2300	2450	6700	80	DN125	
DA-355W	7.5	109	62.01	2189	52.53	1855	355	475	3700	2300	2450	7200	80	DN125	
	8.5	123	61.80	2182	52.03	1837	355	475	3700	2300	2450	7200	80	DN125	
	10.5	152	51.50	1818	47.12	1664	355	475	3700	2300	2450	7200	80	DN125	
	13	189	45.65	1612	43.64	1541	355	475	3700	2300	2450	7200	80	DN125	
DA-400W	7.5	109	67.47	2382	69.42	2451	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	50.50	1783	47.12	1664	400	550	3700	2300	2450	8500	80	DN125	
	13	189	45.05	1591	43.64	1541	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

FULL FEATURES ROTARY SCREW COMPRESSOR

Technical parameters



Model	Maximum working pressure		Capacity FAD*				Installed motor power		Driving Mode & Cooling Method	Dimensions (mm)			Weight (kg)	Noise level** dB(A)	Air tank capacity (L)	Air outlet pipe diameter
	bar(e)	psig	50 Hz		60 Hz		kW	hp		L	W	H				
DNA-5	7.5	109	0.85	30	0.85	30	5.5	7.5	Belt Driven Air Cooling	2170	890	1390	400	62	300	G3/4"
	8.5	123	0.84	30	0.84	30	5.5	7.5		2170	890	1390	400	62	300	G3/4"
	10.5	152	0.59	21	0.59	21	5.5	7.5		2170	890	1390	400	62	300	G3/4"
	13	189	0.47	17	0.47	17	5.5	7.5		2170	890	1390	400	62	300	G3/4"
DNA-7	7.5	109	1.04	37	0.96	34	7.5	10		2170	890	1390	450	62	300	G3/4"
	8.5	123	0.96	34	1.02	36	7.5	10		2170	890	1390	450	62	300	G3/4"
	10.5	152	0.88	31	0.88	31	7.5	10		2170	890	1390	450	62	300	G3/4"
	13	189	0.72	25	0.72	25	7.5	10		2170	890	1390	450	62	300	G3/4"
DNA-11	7.5	109	1.73	61	1.66	59	11	15		2170	890	1390	490	62	300	G3/4"
	8.5	123	1.73	61	1.58	56	11	15		2170	890	1390	490	62	300	G3/4"
	10.5	152	1.34	47	1.34	47	11	15		2170	890	1390	490	62	300	G3/4"
	13	189	1.10	39	1.10	39	11	15		2170	890	1390	490	62	300	G3/4"
DNA-15	7.5	109	2.48	88	2.34	83	15	20	Direct Driven Air Cooling	2450	1240	1590	620	64	600	G1-1/4"
	8.5	123	2.47	87	2.34	83	15	20		2450	1240	1590	620	64	600	G1-1/4"
	10.5	152	1.99	70	2.32	82	15	20		2450	1240	1590	620	64	600	G1-1/4"
	13	189	1.98	70	2.30	81	15	20		2450	1240	1590	620	64	600	G1-1/4"
DNA-18	7.5	109	2.95	104	3.56	126	18.5	25		2450	1240	1590	710	64	600	G1-1/4"
	8.5	123	2.94	104	3.54	125	18.5	25		2450	1240	1590	710	64	600	G1-1/4"
	10.5	152	2.90	103	2.33	82	18.5	25		2450	1240	1590	710	64	600	G1-1/4"
	13	189	1.98	70	2.34	83	18.5	25		2450	1240	1590	710	64	600	G1-1/4"
DNA-22	7.5	109	3.63	128	3.56	126	22	30		2450	1240	1590	780	66	600	G1-1/4"
	8.5	123	3.61	127	3.54	125	22	30		2450	1240	1590	780	66	600	G1-1/4"
	10.5	152	2.90	103	3.52	124	22	30		2450	1240	1590	780	66	600	G1-1/4"
	13	189	2.88	102	2.34	83	22	30		2450	1240	1590	780	66	600	G1-1/4"
DNA-30	7.5	109	5.15	182	4.33	153	30	40	Direct Driven Air Cooling	3264	2950	2450	1200	66	1000	G1-1/4"
	8.5	123	5.14	181	4.31	152	30	40		3264	2950	2450	1200	66	1000	G1-1/4"
	10.5	152	5.11	180	3.57	126	30	40		3264	2950	2450	1200	66	1000	G1-1/4"
	13	189	3.37	119	3.54	125	30	40		3264	2950	2450	1200	66	1000	G1-1/4"
DNA-37	7.5	109	6.38	225	7.73	273	37	50		3264	2950	2450	1300	66	1000	G1-1/4"
	8.5	123	6.34	224	7.70	272	37	50		3264	2950	2450	1300	66	1000	G1-1/4"
	10.5	152	6.32	223	6.27	221	37	50		3264	2950	2450	1300	66	1000	G1-1/4"
	13	189	6.27	221	6.16	217	37	50		3264	2950	2450	1300	66	1000	G1-1/4"

* 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)

HIGH PRESSURE ROTARY SCREW COMPRESSOR

Features and advantages



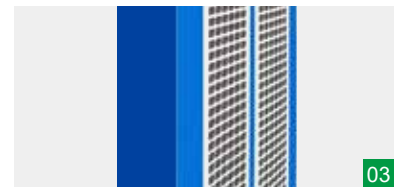
Two-Stage Rotary Screw Air End

- 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.



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)



Pre-Filter Design

- Most of the dust, oil, moisture etc. being removed increases air end, air filter and oil filter life.
- Large area of pre-filter ensures the cooling efficiency and air inlet capacity.
- Removable pre-filter is easy to clean.



Efficient Radiator

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



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			
	bar(e)	psig	m³/min	cfm	m³/min	cfm	kW	hp							
DAH-110-16	16	233	11.40	403	11.40	403	110	150	Direct Driven Air Cooling/ W-Water Cooling	2800	1950	2000	2500	78	DN80
DAH-110-18	18	261	10.95	387	10.95	387	110	150		2800	1950	2000	2500	78	DN80
DAH-110-20	20	290	10.56	373	10.56	373	110	150		2800	1950	2000	3500	78	DN80
DAH-110-25	25	363	10.40	367	10.40	367	110	150		2800	1950	2000	3500	78	DN80
DAH-110-30	30	435	10.20	360	10.20	360	110	150		2800	1950	2000	4150	78	DN50
DAH-110-35	35	508	10.10	357	10.10	357	110	150		2800	1950	2000	4150	78	DN50
DAH-110-40	40	580	10.00	353	10.00	353	110	150		2800	1950	2000	4150	78	DN50
DAH-132-16	16	233	14.22	502	14.22	502	132	175		2800	1950	2000	2600	78	DN80
DAH-132-18	18	261	14.07	497	14.27	497	132	175		2800	1950	2000	2600	78	DN80
DAH-132-20	20	290	13.65	482	13.65	482	132	175		2800	1950	2000	3600	78	DN80
DAH-132-25	25	363	12.74	450	12.47	450	132	175		2800	1950	2000	3600	78	DN80
DAH-132-30	30	435	10.42	368	10.30	368	132	175		2800	1950	2000	4250	78	DN50
DAH-132-35	35	508	10.30	364	10.42	364	132	175		2800	1950	2000	4250	78	DN50
DAH-132-40	40	580	10.16	359	10.16	359	132	175		2800	1950	2000	4250	78	DN50
DAH-160-16	16	233	18.41	650	18.41	650	160	215		2800	1950	2000	3150	80	DN80
DAH-160-18	18	261	18.25	644	18.25	644	160	215		2800	1950	2000	3800	80	DN80
DAH-160-20	20	290	15.82	559	15.82	559	160	215		2800	1950	2000	3800	80	DN80
DAH-160-25	25	363	15.13	534	15.13	534	160	215		2800	1950	2000	3800	80	DN80
DAH-185(W)-16	16	233	20.21	714	20.21	714	185	250		2800	1950	2000	3550	80	DN80
DAH-185(W)-18	18	261	20.18	712	20.18	712	185	250		2800	1950	2000	3550	80	DN80
DAH-185(W)-20	20	290	17.28	610	17.28	610	185	250		2800	1950	2000	4000	80	DN80
DAH-185(W)-25	25	363	16.95	599	16.95	599	185	250		2800	1950	2000	4000	80	DN80
DAH-200(W)-16	16	233	23.25	821	23.25	821	200	275		3700	2300	2450	4150	80	DN80
DAH-200(W)-18	18	261	22.21	784	22.21	784	200	275		3700	2300	2450	4600	80	DN80
DAH-200(W)-20	20	290	20.96	740	20.96	740	200	275		3700	2300	2450	4600	80	DN80
DAH-200(W)-25	25	363	17.84	630	17.84	630	200	275		3700	2300	2450	4600	80	DN80
DAH-220(W)-16	16	233	25.67	906	25.67	906	220	300		3700	2300	2450	4150	80	DN80
DAH-220(W)-18	18	261	23.88	843	23.88	843	220	300		3700	2300	2450	4600	80	DN80
DAH-220(W)-20	20	290	21.99	776	21.99	776	220	300		3700	2300	2450	4600	80	DN80
DAH-220(W)-25	25	363	20.54	725	20.54	725	220	300		3700	2300	2450	4600	80	DN80
DAH-250(W)-16	16	233	29.12	1028	29.12	1028	250	350		3700	2300	2450	4400	82	DN80
DAH-250(W)-18	18	261	27.59	974	27.59	974	250	350		3700	2300	2450	5200	82	DN80
DAH-250(W)-20	20	290	25.40	897	25.40	897	250	350		3700	2300	2450	5200	82	DN80
DAH-250(W)-25	25	363	23.90	844	23.90	844	250	350		3700	2300	2450	5200	82	DN80
DAH-280(W)-16	16	233	32.39	1144	32.39	1144	280	375		3700	2300	2450	4700	82	DN80
DAH-280(W)-18	18	261	29.12	1028	29.12	1028	280	375		3700	2300	2450	5500	82	DN80
DAH-280(W)-20	20	290	28.82	1018	28.82	1018	280	375		3700	2300	2450	5500	82	DN80
DAH-280(W)-25	25	363	24.90	879	24.90	879	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 prior notice

LOW PRESSURE ROTARY SCREW COMPRESSOR



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			
	bar(e)	psig	m³/min	cfm	m³/min	cfm	kW	hp							
DAL-55-3	3	43.5	16.46	581	14.64	517	55	75	Direct Driven Air Cooling/ W-Water Cooling	2950	1800	2300	1800	70	DN50
DAL-75-3			22.66	800	23.98	847	75	100		2950	1800	2300	2000	70	DN80
DAL-90-3			25.08	886	26.90	950	90	120		2950	1800	2300	2800	74	DN80
DAL-110-3			31.38	1108	27.71	978	110	150		3700	2300	2450	3700	74	DN80
DAL-132-3			35.09	1239	30.12	1064	132	175		3700	2300	2450	4000	74	DN80
DAL-160-3			38.27	1351	34.42	1215	160	215		3700	2300	2450	4500	77	DN80
DAL-185(W)-3			44.29	1564	37.99	1341	185	250		3700	2300	2450	5200	77	DN100
DAL-250(W)-3			61.80	2182	67.98	2400	250	350		4300	2400	2350	6800	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)

PERMANENT MAGNETIC VARIABLE SPEED DRIVE SCREW COMPRESSOR

Features and advantages



01

Permanent Magnet Efficient Motor

- No sparks → safer in explosive environments
- Cleaner, faster, more efficient
- Less noisy, more reliable
- Designed for high-performance servo applications



02

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



03

Touch Screen Controller

- Smart touch screen controller with multi-language LCD available.



04

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



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

Centrifugal Fan

- First-rate energy efficiency
- Enhanced durability
- Ability to restrict overloading

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			
	bar(e)	psig	m³/min	cfm	m³/min	cfm	kW	hp							
DAV-15+	7.5	109	2.48	88	2.34	83	15	20	Direct Driven Air Cooling	1250	870	1040	325	63	G11/4"
	8.5	123	2.47	87	2.34	83	15	20		1250	870	1040	325	63	G11/4"
	10.5	152	1.99	70	2.32	82	15	20		1250	870	1040	325	63	G11/4"
	13	189	1.98	70	2.30	81	15	20		1250	870	1040	325	63	G11/4"
DAV-18+	7.5	109	2.95	104	3.56	126	18.5	25		1250	870	1040	400	63	G11/4"
	8.5	123	2.94	104	3.54	125	18.5	25		1250	870	1040	400	63	G11/4"
	10.5	152	2.90	103	2.33	82	18.5	25		1250	870	1040	400	63	G11/4"
	13	189	1.98	70	2.34	83	18.5	25		1250	870	1040	400	63	G11/4"
DAV-22+	7.5	109	3.63	128	3.56	126	22	30		1250	870	1040	440	65	G11/4"
	8.5	123	3.61	127	3.54	125	22	30		1250	870	1040	440	65	G11/4"
	10.5	152	2.90	103	3.52	124	22	30		1250	870	1040	440	65	G11/4"
	13	189	2.88	102	2.34	83	22	30		1250	870	1040	440	65	G11/4"
DAV-30+	7.5	109	5.15	182	4.33	153	30	40		1650	1050	1400	680	65	G11/4"
	8.5	123	5.14	181	4.31	152	30	40		1650	1050	1400	680	65	G11/4"
	10.5	152	5.11	180	3.57	126	30	40		1650	1050	1400	680	65	G11/4"
	13	189	3.37	119	3.54	125	30	40		1650	1050	1400	680	65	G11/4"
DAV-37+	7.5	109	7.81	276	7.81	276	37	50		1650	1050	1400	900	65	G11/4"
	8.5	123	7.81	276	7.81	276	37	50		1650	1050	1400	900	65	G11/4"
	10.5	152	6.60	233	6.60	233	37	50		1650	1050	1400	900	65	G11/4"
	13	189	6.16	217	6.16	217	37	50		1650	1050	1400	900	65	G11/4"
DAV-45+	7.5	109	9.13	322	9.13	322	45	60	1650	1050	1400	1250	68	G11/2"	
	8.5	123	9.13	322	9.13	322	45	60	1650	1050	1400	1250	68	G11/2"	
	10.5	152	7.81	276	7.81	276	45	60	1650	1050	1400	1250	68	G11/2"	
	13	189	7.81	276	7.81	276	45	60	1650	1050	1400	1250	68	G11/2"	
DAV-55+	7.5	109	10.82	382	10.82	382	55	75	2200	1400	1600	1570	68	G 2"	
	8.5	123	10.82	382	10.82	382	55	75	2200	1400	1600	1570	68	G 2"	
	10.5	152	9.13	322	9.13	322	55	75	2200	1400	1600	1570	68	G 2"	
	13	189	9.13	322	9.13	322	55	75	2200	1400	1600	1570	68	G 2"	
DAV-75+	7.5	109	15.54	549	15.54	549	75	100	2200	1400	1600	1640	68	G 2"	
	8.5	123	15.54	549	15.54	549	75	100	2200	1400	1600	1640	68	G 2"	
	10.5	152	12.15	429	12.15	429	75	100	2200	1400	1600	1640	68	G 2"	
	13	189	12.15	429	12.15	429	75	100	2200	1400	1600	1640	68	G 2"	
DAV-90+	7.5	109	19.80	699	19.79	699	90	120	2950	1800	2300	2700	75	DN80	
	8.5	123	19.78	698	19.78	698	90	120	2950	1800	2300	2700	75	DN80	
	10.5	152	16.48	582	18.54	655	90	120	2950	1800	2300	2700	75	DN80	
	13	189	13.60	480	16.32	576	90	120	2950	1800	2300	2700	75	DN80	
DAV-110+	7.5	109	22.66	800	22.87	807	110	150	2950	1800	2300	3650	78	DN80	
	8.5	123	22.56	796	22.56	796	110	150	2950	1800	2300	3650	78	DN80	
	10.5	152	18.85	666	19.78	698	110	150	2950	1800	2300	3650	78	DN80	
	13	189	18.54	655	16.32	576	110	150	2950	1800	2300	3650	78	DN80	
DAV-132+	7.5	109	27.60	975	27.19	960	132	175	2950	1800	2300	4100	78	DN80	
	8.5	123	26.99	953	27.04	955	132	175	2950	1800	2300	4100	78	DN80	
	10.5	152	22.45	793	22.62	799	132	175	2950	1800	2300	4100	78	DN80	
	13	189	18.85	666	22.25	786	132	175	3700	2300	2450	4100	78	DN80	
DAV-160+	7.5	109	32.53	1149	32.36	1143	160	215	3700	2300	2450	5250	78	DN80	
	8.5	123	32.49	1147	32.34	1142	160	215	3700	2300	2450	5250	78	DN80	
	10.5	152	27.58	974	27.19	960	160	215	3700	2300	2450	5250	78	DN80	
	13	189	22.40	791	22.22	784	160	215	3700	2300	2450	5250	78	DN80	
DAV-185+	7.5	109	42.55	1502	40.27	1422	185	250	3700	2300	2450	5700	78	DN100	
	8.5	123	42.53	1502	40.18	1419	185	250	3700	2300	2450	5700	78	DN100	
	10.5	152	33.14	1170	33.10	1169	185	250	3700	2300	2450	5700	78	DN100	
	13	189	27.31	964	27.19	960	185	250	3700	2300	2450	5700	78	DN100	
DAV-200+	7.5	109	44.61	1575	42.44	1498	200	275	3700	2300	2450	6700	81	DN100	
	8.5	123	44.59	1574	42.33	1495	200	275	3700	2300	2450	6700	81	DN100	
	10.5	152	33.14	1170	33.10	1169	200	275	3700	2300	2450	6700	81	DN100	
	13	189	27.31	964	27.19	960	200	275	3700	2300	2450	6700	81	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)



P-DNR201802-01 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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