

Oil-injected Rotary Screw Air Compressors

High pressure, low pressure and laser cutting series

Installed motor power 11 - 280 kW/15 - 375 hp

Free air delivery from 1.05 to 69.30 m³/min, Pressure 3 - 40 bar



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LASER CUTTING AIR COMPRESSOR



Technical parameters

Model	Working Pressure (bar)	Capacity FAD*		Power		IP Grade	Noise Level**	Dimensions (mm)			Weight (kg)	Air Outlet Pipe Diameter	Starting Method	EEI
		(m ³ /min)	(cfm)	(kW)	(hp)			(L)	(W)	(H)				
DAV-11LG	13.0	1.18	42	11	15	IP65	75	1700	1500	1800	480	R1	Direct Driven Air Cooling	EEI1
	15.5	1.05	37											
DAV-15LG	13.0	1.95	69	15	20	IP65	75	2150	1500	2350	500	R1		
	15.5	1.68	59											
DAV-18LG	13.0	2.21	78	18.5	25	IP65	75	2150	1500	2350	530	R1		
	15.5	2.11	75											
DAV-22LG	13.0	2.95	104	22	30	IP65	75	2150	1500	2350	560	R1		
	15.5	2.53	89											

*)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		Cooling Method	Noise level** [dB(A)]	Dimensions(mm)			Weight kg	Air outlet pipe diameter
			50Hz				60Hz								L	W	H		
			Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.									
bar(g)	psig	m ³ /min		cfm		m ³ /min		cfm		kW	hp								
DVAH-90-16	16	232	4.62	9.24	163	326	4.28	8.57	151	303	90	120	78	2800	1600	1700	2500	DN50	
DVAH-90-18	18	261	5.36	10.73	189	379	5.39	10.78	190	381	90	120	78	2800	1600	1700	2500	DN50	
DVAH-90-20	20	290	5.31	10.61	187	375	5.33	10.67	188	377	90	120	78	2800	1600	1700	2500	DN50	
DVAH-90-25	25	363	5.17	10.35	183	365	4.76	9.51	168	336	90	120	78	2800	1600	1700	2500	DN50	
DVAH-110-16	16	232	6.65	13.30	235	470	5.81	11.62	205	410	110	150	78	2800	1600	1700	3200	DN50	
DVAH-110-18	18	261	7.22	14.45	255	510	5.58	11.16	197	394	110	150	78	2800	1600	1700	3200	DN50	
DVAH-110-20	20	290	7.17	14.33	253	506	5.38	10.76	190	380	110	150	78	2800	1600	1700	3200	DN50	
DVAH-110-25	25	363	6.08	12.15	215	429	5.28	10.56	186	373	110	150	78	2800	1600	1700	3200	DN50	
DVAH-110-30	30	435	6.19	12.38	219	437	5.15	10.30	182	364	110	150	78	2800	1600	1700	3200	DN50	
DVAH-110-35	35	508	5.30	10.60	187	374	5.10	10.20	180	360	110	150	78	2800	1600	1700	3200	DN50	
DVAH-110-40	40	580	5.27	10.53	186	372	5.60	11.20	198	395	110	150	78	2800	1600	1700	3200	DN50	
DVAH-132-16	16	232	6.68	13.37	236	472	7.25	14.50	256	512	132	175	78	2800	1600	1700	3950	DN50	
DVAH-132-18	18	261	7.26	14.53	256	513	6.50	12.99	229	459	132	175	78	2800	1600	1700	3950	DN50	
DVAH-132-20	20	290	7.18	14.37	254	507	6.42	12.84	227	453	132	175	78	2800	1600	1700	3950	DN50	
DVAH-132-25	25	363	6.09	12.18	215	430	6.23	12.46	220	440	132	175	78	2800	1600	1700	3950	DN50	
DVAH-132-30	30	435	6.22	12.43	219	439	5.25	10.50	185	371	132	175	78	2800	1600	1700	3950	DN50	
DVAH-132-35	35	508	5.32	10.64	188	376	5.20	10.40	184	367	132	175	78	2800	1600	1700	3950	DN50	
DVAH-132-40	40	580	5.28	10.56	186	373	5.15	10.30	182	364	132	175	78	2800	1600	1700	3950	DN50	
DVAH-160-16	16	232	7.72	15.43	272	545	9.39	18.78	332	663	160	215	Direct Driven Air Cooling	80	2800	1600	2000	5000	DN65
DVAH-160-18	18	261	8.45	16.91	298	597	9.22	18.43	325	651	160	215	W-Water Cooling	80	2800	1600	2000	5000	DN65
DVAH-160-20	20	290	8.33	16.65	294	588	8.07	16.13	285	570	160	215	W-Water Cooling	80	2800	1600	2000	5000	DN65
DVAH-160-25	25	363	7.36	14.73	260	520	7.99	15.97	282	564	160	215	W-Water Cooling	80	2800	1600	2000	5000	DN65
DVAH-185-16	16	232	8.18	16.37	289	578	10.30	20.60	364	727	185	250	Direct Driven Air Cooling	80	2800	1600	2000	5500	DN65
DVAH-185-18	18	261	9.11	18.21	322	643	10.19	20.37	360	719	185	250	W-Water Cooling	80	2800	1600	2000	5500	DN65
DVAH-185-20	20	290	9.01	18.01	318	636	8.81	17.62	311	622	185	250	W-Water Cooling	80	2800	1600	2000	5500	DN65
DVAH-185-25	25	363	8.83	17.65	312	623	8.73	17.45	308	616	185	250	W-Water Cooling	80	2800	1600	2000	5500	DN65
DVAH-200-16	16	232	10.85	21.71	383	766	11.94	23.88	422	843	200	270	Direct Driven Air Cooling	85	3300	2000	2100	6000	DN80
DVAH-200-18	18	261	13.31	26.61	470	940	11.32	22.64	400	799	200	270	W-Water Cooling	85	3300	2000	2100	6000	DN80
DVAH-200-20	20	290	12.13	24.25	428	856	10.69	21.37	377	755	200	270	W-Water Cooling	85	3300	2000	2100	6000	DN80
DVAH-200-25	25	363	11.05	22.09	390	780	9.10	18.19	321	642	200	270	W-Water Cooling	85	3300	2000	2100	6000	DN80
DVAH-220-16	16	232	12.18	24.37	430	860	12.17	24.34	430	859	220	300	Direct Driven Air Cooling	85	3300	2000	2100	6300	DN80
DVAH-220-18	18	261	15.16	30.32	535	1070	11.84	23.67	418	836	220	300	W-Water Cooling	85	3300	2000	2100	6300	DN80
DVAH-220-20	20	290	13.19	26.39	466	932	11.21	22.42	396	792	220	300	W-Water Cooling	85	3300	2000	2100	6300	DN80
DVAH-220-25	25	363	12.01	24.01	424	848	10.47	20.94	370	739	220	300	W-Water Cooling	85	3300	2000	2100	6300	DN80
DVAH-250-16	16	232	13.37	26.75	472	944	14.07	28.13	497	993	250	350	Direct Driven Air Cooling	85	3500	2200	2100	6500	DN125
DVAH-250-18	18	261	15.16	30.32	535	1070	14.00	27.99	494	988	250	350	W-Water Cooling	85	3500	2200	2100	6500	DN125
DVAH-250-20	20	290	15.08	30.16	533	1065	12.95	25.89	457	914	250	350	W-Water Cooling	85	3500	2200	2100	6500	DN125
DVAH-250-25	25	363	13.06	26.13	461	923	12.45	24.90	440	879	250	350	W-Water Cooling	85	3500	2200	2100	6500	DN125
DVAH-280-16	16	232	15.69	31.38	554	1108	16.51	33.02	583	1166	280	375	Direct Driven Air Cooling	85	3500	2200	2100	7000	DN125
DVAH-280-18	18	261	18.74	37.47	662	1323	14.84	29.68	524	1048	280	375	W-Water Cooling	85	3500	2200	2100	7000	DN125
DVAH-280-20	20	290	18.55	37.09	655	1310	14.69	29.38	519	1037	280	375	W-Water Cooling	85	3500	2200	2100	7000	DN125
DVAH-280-25	25	363	15.46	30.93	546	1092	12.69	25.38	448	896	280	375	W-Water Cooling	85	3500	2200	2100	7000	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.

LOW PRESSURE ROTARY SCREW COMPRESSOR(VSD)



Technical parameters

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

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Denair Energy Saving Technology (Shanghai) Plc.

No. 6767, Tingfeng Rd., Jinshan District,
Shanghai 201502, China
Tel.: +86 21 3783 1829
Fax: +86 21 6040 5929

info@denair.net
www.denair.net