

DENAIR®

Oil-Injected Screw Air Compressor

(Standard ,Energy-Saving,Full Features,
Tank-mounted,High Pressure series)



Energy Saving First Mutual Value Shared

DENAIR Standard Oil-Injected Screw Air Compressor

Advantages

Genuine Original Air End System

Air end is the heart of screw air compressor, it directly influences the energy efficiency and noise. DENAIR air compressor adopts original Germany AERZEN air end or Germany DENAIR air end, advanced SAP rotor molded lines, Germany steel forging and heat treated process technology for the material of rotors, its efficiency is 15% higher than nodular cast iron and abrasive process technology for the material of rotors.



Unique Design

Standard Air End, Low Speed Transmission

Every unit of DENAIR air compressor adopts standard superior air end, there will not be high rotation problem. When choosing the air end, strictly refer to our principle: the best specific power of low rotation speed. Genuine low rotation speed and high specific power, gets the maximum efficiency of energy-saving and silence.



Larger Air Delivery

Unique Cooling Flow Design

Advanced object-oriented design makes the cold and heat exchange more complete. The gas-oil line design of inner mental tube makes the cooling oil line lubrication achieve higher speed, take off the air end heat in time and totally avoid the high temperature of air end.



Longer Service Life

DENAIR Standard Oil-Injected Double Screw Air Compressor

Air Inlet Valve

The high-quality air inlet valves can make 0 ~ 100% stepless adjustment to the air delivery of compressor depending on specific demands for terminal air supply, thus reducing the energy consumption. The non-return valve is disposed in an air inlet valve to prevent backflow of air and oil in case of unexpected halt. Several kinds of valves can be applied to stationary or portable compressors.



Intelligent Control

The industry leading fully automatic control center for time switch and electric components are all chosen from world-renowned electric products and bring to you the resulting sense of reliability and convenience in the use of our air compressors.



Higher Efficiency

Optimum Design of the System

The technology optimizes the system to effectively reduce errors in running, to make the air output more efficient, keeping the energy consumption at a lower level.



Lower Rotation Speed

Belt Driven Oil-injected Double Screw Air Compressor Technical Parameters

Model	Maximum working pressure		Capacity FAD		Installed motor power		Driving mode & Cooling method	Dimensions(mm)			Weight	Noise level	Air outlet pipe diameter	EEI
	bar(e)	psig	m³/min	cfm	kW	hp		L	W	H	kg	dB(A)		
DA-5	7.5	109	0.86	30.4	5.5	7.5	Belt Driven Air Cooling	800	800	900	300	62±2	G3/4	EEI 2
	8.5	123	0.79	27.9	5.5	7.5		800	800	900	300	62±2	G3/4	
DA-7	7.5	109	1.19	42	7.5	10		800	800	900	350	62±2	G3/4	
	8.5	123	1.08	38.1	7.5	10		800	800	900	350	62±2	G3/4	
	10.5	152	0.95	33.5	7.5	10		800	800	900	350	62±2	G3/4	
	13	189	0.7	24.7	7.5	10		800	800	900	350	62±2	G3/4	
DA-11	7.5	109	1.64	57.9	11	15		800	850	1000	400	63±2	G3/4	
	8.5	123	1.63	57.6	11	15		800	850	1000	400	63±2	G3/4	
	10.5	152	1.47	51.9	11	15		800	850	1000	400	63±2	G3/4	
	13	189	1.21	42.7	11	15		800	850	1000	400	63±2	G3/4	
DA-15	7.5	109	2.3	81.2	15	20		1000	900	1150	450	63±2	G1	
	8.5	123	2.29	80.9	15	20		1000	900	1150	450	63±2	G1	
	10.5	152	2.27	80.2	15	20		1000	900	1150	450	63±2	G1	
	13	189	1.8	63.6	15	20		1000	900	1150	450	63±2	G1	
DA-18	7.5	109	2.91	102.8	18.5	25		1000	900	1150	500	65±2	G1	
	8.5	123	2.89	102	18.5	25		1000	900	1150	500	65±2	G1	
	10.5	152	2.87	101.3	18.5	25		1000	900	1150	500	65±2	G1	
	13	189	2.16	76.3	18.5	25		1000	900	1150	500	65±2	G1	
DA-22	7.5	109	3.78	133.5	22	30		1050	1050	1300	550	65±2	G1-1/4	
	8.5	123	3.73	131.7	22	30		1050	1050	1300	550	65±2	G1-1/4	
	10.5	152	3.09	109.1	22	30		1050	1050	1300	550	65±2	G1-1/4	
	13	189	2.76	97.5	22	30		1050	1050	1300	550	65±2	G1-1/4	
DA-30	7.5	109	4.59	162.1	30	40		1050	1050	1300	600	65±2	G1-1/4	
	8.5	123	4.5	158.9	30	40		1050	1050	1300	600	65±2	G1-1/4	
	10.5	152	4.32	152.5	30	40		1050	1050	1300	600	65±2	G1-1/4	
	13	189	3.78	133.5	30	40		1050	1050	1300	600	65±2	G1-1/4	
DA-37	7.5	109	7.11	251.1	37	50		1050	1050	1300	650	65±2	G1-1/4	
	8.5	123	6.7	236.6	37	50		1050	1050	1300	650	65±2	G1-1/4	
	10.5	152	5.51	194.6	37	50		1050	1050	1300	650	65±2	G1-1/4	
	13	189	4.43	156.4	37	50		1050	1050	1300	650	65±2	G1-1/4	
DA-45	7.5	109	7.99	282.1	45	60		1200	1200	1500	800	68±2	G1-1/2	
	8.5	123	7.97	281.4	45	60		1200	1200	1500	800	68±2	G1-1/2	
	10.5	152	7.93	280	45	60		1200	1200	1500	800	68±2	G1-1/2	
	13	189	5.51	194.6	45	60		1200	1200	1500	800	68±2	G1-1/2	
DA-55	7.5	109	10.26	362.3	55	75		1200	1200	1500	850	68±2	G1-1/2	
	8.5	123	10.15	358.4	55	75		1200	1200	1500	850	68±2	G1-1/2	
	10.5	152	9.07	320.3	55	75		1200	1200	1500	850	68±2	G1-1/2	
	13	189	7.56	266.9	55	75		1200	1200	1500	850	68±2	G1-1/2	
DA-75	7.5	109	15.36	542.4	75	100		1500	1450	1600	1000	72±2	G2	
	8.5	123	15.29	539.9	75	100		1500	1450	1600	1000	72±2	G2	
	10.5	152	11.99	423.4	75	100		1500	1450	1600	1000	72±2	G2	
	13	189	11.62	410.3	75	100		1500	1450	1600	1000	72±2	G2	

Note: If you need to customize special voltage, dimensions, etc., please consult with DENAIR sales engineer for advice.

DENAIR Standard Oil-Injected Double Screw Air Compressor

Direct Driven Oil-injected Double Screw Air Compressor Technical Parameters

Model	Maximum working pressure		Capacity FAD		Installed motor power		Driving mode& Cooling method	Dimensions(mm)			Weight	Noise level	Air outlet pipe diameter	EEI
	bar(e)	psig	m³/min	cfm	kW	hp		L	W	H	kg	dB(A)		
DA-18G	7.5	109	2.91	102.8	18.5	25	Direct Driven Air Cooling	1350	800	1150	640	63±2	R1"	EEI 2
	8.5	123	2.89	102	18.5	25		1350	800	1150	640			
	10.5	152	2.87	101.3	18.5	25		1350	800	1150	640			
	13	189	2.16	76.3	18.5	25		1350	800	1150	640			
DA-22G	7.5	109	3.78	133.5	22	30		1350	800	1150	640	65±2	R1-1/4"	
	8.5	123	3.73	131.7	22	30		1350	800	1150	640			
	10.5	152	3.09	109.1	22	30		1350	800	1150	640			
	13	189	2.76	97.5	22	30		1350	800	1150	640			
DA-30G	7.5	109	4.59	162.1	30	40		1450	900	1200	900	65±2	R1-1/4"	
	8.5	123	4.5	158.9	30	40		1450	900	1200	900			
	10.5	152	4.32	152.5	30	40		1450	900	1200	900			
	13	189	3.78	133.5	30	40		1450	900	1200	900			
DA-37G	7.5	109	7.11	251.1	37	50		1600	1000	1400	980	65±2	R1-1/4"	
	8.5	123	6.7	236.6	37	50		1600	1000	1400	980			
	10.5	152	5.51	194.6	37	50		1600	1000	1400	980			
	13	189	4.43	156.4	37	50		1600	1000	1400	980			
DA-45G	7.5	109	7.99	282.1	45	60		1600	1000	1400	1050	68±2	R1-1/2"	
	8.5	123	7.97	281.4	45	60		1600	1000	1400	1050			
	10.5	152	7.93	280	45	60		1600	1000	1400	1050			
	13	189	5.51	194.6	45	60		1600	1000	1400	1050			
DA-55G	7.5	109	10.26	362.3	55	75		1800	1200	1400	1250	68±2	G2"	
	8.5	123	10.15	358.4	55	75		1800	1200	1400	1250			
	10.5	152	9.07	320.3	55	75		1800	1200	1400	1250			
	13	189	7.56	266.9	55	75		1800	1200	1400	1250			
DA-75G	7.5	109	14.16	500	75	100		1800	1200	1400	1850	72±2	G2"	
	8.5	123	13.95	492.6	75	100		1800	1200	1400	1850			
	10.5	152	11.99	423.4	75	100		1800	1200	1400	1850			
	13	189	11.62	410.3	75	100		1800	1200	1400	1850			

Direct Driven Oil-injected Double Screw Air Compressor Technical Parameters

Model	Maximum working pressure		Capacity FAD		Installed motor power		Driving mode& Cooling method	Dimensions(mm)			Weight	Noise level	Air outlet pipe diameter	EEI
	bar(e)	psig	m³/min	cfm	kW	hp		L	W	H	kg	dB(A)		
DA-90	7.5	109	15.36	542.4	90	120	Direct Driven Air Cooling	2150	1300	1550	1850	72±2	DN50	EEI 2
	8.5	123	15.29	539.9	90	120		2150	1300	1550	1850	72±2	DN50	
	10.5	152	14.04	495.8	90	120		2150	1300	1550	1850	72±2	DN50	
	13	189	11.66	411.7	90	120		2150	1300	1550	1850	72±2	DN50	
DA-110	7.5	109	20.69	730.6	110	150		2450	1600	1700	2400	75±2	DN80	
	8.5	123	20.6	727.4	110	150		2450	1600	1700	2400	75±2	DN80	
	10.5	152	16.52	583.3	110	150		2450	1600	1700	2400	75±2	DN80	
	13	189	14.04	495.8	110	150		2450	1600	1700	2400	75±2	DN80	
DA-132	7.5	109	24.84	877.1	132	175		2450	1600	1700	2600	75±2	DN80	
	8.5	123	24.74	873.6	132	175		2450	1600	1700	2600	75±2	DN80	
	10.5	152	20.41	720.7	132	175		2450	1600	1700	2600	75±2	DN80	
	13	189	15.12	533.9	132	175		2450	1600	1700	2600	75±2	DN80	
DA-160	7.5	109	28.66	1012	160	215		2650	1600	1800	3500	75±2	DN80	
	8.5	123	28.53	1007.4	160	215		2650	1600	1800	3500	75±2	DN80	
	10.5	152	24.53	866.2	160	215		2650	1600	1800	3500	75±2	DN80	
	13	189	20.3	716.8	160	215		2650	1600	1800	3500	75±2	DN80	
DA-185 DA-185W	7.5	109	31.44	1110.1	185	250	Direct Driven Air Cooling or Water Cooling	2650	1700	1800	3600	75±2	DN80	
	8.5	123	31.27	1104.1	185	250		2650	1700	1800	3600	75±2	DN80	
	10.5	152	28.22	996.4	185	250		2650	1700	1800	3600	75±2	DN80	
	13	189	24.13	852	185	250		2650	1700	1800	3600	75±2	DN80	
DA-200 DA-200W	7.5	109	35.6	1257	200	270		2800	1950	2000	3700	75±2	DN100	
	8.5	123	35.42	1250.7	200	270		2800	1950	2000	3700	75±2	DN100	
	10.5	152	31.05	1096.4	200	270		2800	1950	2000	3700	75±2	DN100	
	13	189	24.13	852	200	270		2800	1950	2000	3700	75±2	DN100	
DA-220 DA-220W	7.5	109	38.23	1349.9	220	300		2800	1950	2000	4300	78±2	DN100	
	8.5	123	38.12	1346	220	300		2800	1950	2000	4300	78±2	DN100	
	10.5	152	31	1094.6	220	300		2800	1950	2000	4300	78±2	DN100	
	13	189	27.75	979.9	220	300		2800	1950	2000	4300	78±2	DN100	
DA-250 DA-250W	7.5	109	47.04	1661	250	350		2800	1950	2000	5000	82±2	DN125	
	8.5	123	46.98	1658.9	250	350		2800	1950	2000	5000	82±2	DN125	
	10.5	152	38.03	1342.8	250	350		2800	1950	2000	5000	82±2	DN125	
	13	189	35.1	1239.4	250	350		2800	1950	2000	5000	82±2	DN125	
DA-280 DA-280W	7.5	109	53.19	1878.1	280	375		3000	2000	2100	5200	82±2	DN125	
	8.5	123	53.03	1872.5	280	375		3000	2000	2100	5200	82±2	DN125	
	10.5	152	45.36	1601.7	280	375		3000	2000	2100	5200	82±2	DN125	
	13	189	38.66	1365.1	280	375		3000	2000	2100	5200	82±2	DN125	
DA-315 DA-315W	7.5	109	58.21	2055.4	315	425		3000	2000	2200	5200	82±2	DN125	
	8.5	123	57.24	2021.1	315	425		3000	2000	2200	5200	82±2	DN125	
	10.5	152	47.74	1685.7	315	425		3000	2000	2200	5200	82±2	DN125	
	13	189	44.17	1559.6	315	425		3000	2000	2200	5200	82±2	DN125	
DA-355 DA-355W	7.5	109	65.02	2295.9	355	475		3400	2200	2250	5500	83±2	DN150	
	8.5	123	64.69	2284.2	355	475		3400	2200	2250	5500	83±2	DN150	
	10.5	152	52.4	1850.2	355	475		3400	2200	2250	5500	83±2	DN150	
	13	189	47.48	1676.5	355	475		3400	2200	2250	5500	83±2	DN150	
DA-375 DA-375W	7.5	109	69.66	2459.7	375	515		3400	2200	2250	5500	83±2	DN150	
	8.5	123	69.34	2448.4	375	515		3400	2200	2250	5500	83±2	DN150	
	10.5	152	57.05	2014.4	375	515		3400	2200	2250	5500	83±2	DN150	
	13	189	52.11	1840	375	515		3400	2200	2250	5500	83±2	DN150	
DA-400 DA-400W	7.5	109	76.67	2707.2	400	550		3700	2400	2450	6000	83±2	DN150	
	8.5	123	76.29	2693.8	400	550		3700	2400	2450	6000	83±2	DN150	
	10.5	152	64.04	2261.3	400	550		3700	2400	2450	6000	83±2	DN150	
	13	189	51.61	1822.3	400	550		3700	2400	2450	6000	83±2	DN150	

Note: If you need to customize special voltage, dimensions, etc., please consult with DENAIR sales engineer for advice.

DENAIR Enhanced Energy Efficiency Oil Injected Double Screw Air Compressor

Technical Parameters (15 - 75KW)

Model	Maximum working pressure		Capacity FAD		Installed motor power		Driving mode & Cooling method	Dimensions(mm)			Weight	Noise level	Air outlet pipe diameter	EEI
	bar(e)	psig	m³/min	cfm	kW	hp		L	W	H	kg	dB(A)		
DA-15+	7.5	109	2.38	84	15	20	Direct Driven Air Cooling	1350	800	1150	450	63±2	G1	Enhanced EEI 1
	8.5	123	2.32	81.9	15	20		1350	800	1150	450	63±2	G1	
	10.5	152	2.02	71.3	15	20		1350	800	1150	450	63±2	G1	
	13	189	1.99	70.3	15	20		1350	800	1150	450	63±2	G1	
DA-18+	7.5	109	3.05	107.7	18.5	25		1350	800	1150	500	65±2	G1	
	8.5	123	3.03	107	18.5	25		1350	800	1150	500	65±2	G1	
	10.5	152	3.02	106.6	18.5	25		1350	800	1150	500	65±2	G1	
	13	189	2.18	77	18.5	25		1350	800	1150	500	65±2	G1	
DA-22+	7.5	109	3.73	131.7	22	30		1350	800	1150	550	65±2	G1-1/4	
	8.5	123	3.69	130.3	22	30		1350	800	1150	550	65±2	G1-1/4	
	10.5	152	3.09	109.1	22	30		1350	800	1150	550	65±2	G1-1/4	
	13	189	3.05	107.7	22	30		1350	800	1150	550	65±2	G1-1/4	
DA-30+	7.5	109	5.72	202	30	40		1450	900	1200	600	65±2	G1-1/4	
	8.5	123	5.71	201.6	30	40		1450	900	1200	600	65±2	G1-1/4	
	10.5	152	4.32	152.5	30	40		1450	900	1200	600	65±2	G1-1/4	
	13	189	3.57	126.1	30	40		1450	900	1200	600	65±2	G1-1/4	
DA-37+	7.5	109	7.11	251.1	37	50		1600	1000	1400	650	65±2	G1-1/4	
	8.5	123	6.7	236.6	37	50		1600	1000	1400	650	65±2	G1-1/4	
	10.5	152	5.68	200.6	37	50		1600	1000	1400	650	65±2	G1-1/4	
	13	189	4.56	161	37	50		1600	1000	1400	650	65±2	G1-1/4	
DA-45+	7.5	109	7.99	282.1	45	60		1600	1000	1400	800	68±2	G1-1/2	
	8.5	123	7.97	281.4	45	60		1600	1000	1400	800	68±2	G1-1/2	
	10.5	152	7.93	280	45	60		1600	1000	1400	800	68±2	G1-1/2	
	13	189	5.51	194.6	45	60		1600	1000	1400	800	68±2	G1-1/2	
DA-55+	7.5	109	10.26	362.3	55	75		1800	1200	1400	850	68±2	G1-1/2	
	8.5	123	10.15	358.4	55	75		1800	1200	1400	850	68±2	G1-1/2	
	10.5	152	9.07	320.3	55	75		1800	1200	1400	850	68±2	G1-1/2	
	13	189	7.56	266.9	55	75		1800	1200	1400	850	68±2	G1-1/2	
DA-75+	7.5	109	15.36	542.4	75	100		1800	1200	1400	1450	72±2	G2	
	8.5	123	15.29	539.9	75	100		1800	1200	1400	1450	72±2	G2	
	10.5	152	11.99	423.4	75	100		1800	1200	1400	1450	72±2	G3	
	13	189	11.62	410.3	75	100		1800	1200	1400	1450	72±2	G4	

Technical Parameters (90 - 250KW)

Model	Maximum working pressure		Capacity FAD		Installed motor power		Driving mode& Cooling method	Dimensions(mm)			Weight	Noise level	Air outlet pipe diameter	EEI
	bar(e)	psig	m³/min	cfm	kW	hp		L	W	H	kg	dB(A)		
DA-90+	7.5	109	21.38	754.9	90	120	Direct Driven Air cooling/ W-Water cooling	2545	1300	1550	2000	72±2	DN50	Enhanced EEI 1
	8.5	123	20.74	732.3	90	120								
	10.5	152	17.93	633.1	90	120								
	13	189	15.12	533.9	90	120								
DA-110+	7.5	109	23.11	816	110	150		2795	1600	1795	2600	75±2	DN80	
	8.5	123	21.82	770.5	110	150								
	10.5	152	19.33	682.5	110	150								
	13	189	16.96	598.9	110	150								
DA-132+	7.5	109	27.76	980.2	132	175		2800	1600	1800	2800	75±2	DN80	
	8.5	123	26.24	926.5	132	175								
	10.5	152	23.38	825.5	132	175								
	13	189	20.52	724.6	132	175								
DA-160+	7.5	109	34.33	1212.2	160	215		3000	1850	2000	3800	75±2	DN80	
	8.5	123	33.25	1174.1	160	215								
	10.5	152	27.86	983.7	160	215								
	13	189	22.57	796.9	160	215								
DA-185+	7.5	109	41.48	1464.7	185	250		3300	1950	2000	4200	75±2	DN100	
	8.5	123	40.82	1441.4	185	250								
	10.5	152	36.94	1304.4	185	250								
	13	189	33.16	1170.9	185	250								
DA-200+ DA-200W+	7.5	109	43.64	1540.9	200	270	3300	1950	2000	4200	75±2	DN100		
	8.5	123	42.98	1517.6	200	270								
	10.5	152	39.1	1380.6	200	270								
	13	189	35.32	1247.1	200	270								
DA-220+ DA-220W+	7.5	109	48.82	1723.8	220	300	3300	1950	2000	4200	78±2	DN100		
	8.5	123	46.21	1631.7	220	300								
	10.5	152	41.26	1456.9	220	300								
	13	189	36.35	1283.5	220	300								
DA-250+ DA-250W+	7.5	109	56.15	1982.7	250	350	3300	1950	2000	5400	82±2	DN100		
	8.5	123	52.38	1849.5	250	350								
	10.5	152	46.39	1638	250	350								
	13	189	40.39	1426.2	250	350								