COMPRESSORED AIR SYSTEM

Screw Air Compressor

DENAIR Group

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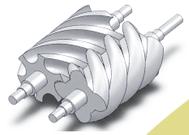
Full Feature Rotory Screw Air Compressor

Screw air end

- A new generation of high-efficiency rotor profile
- Smaller leakage triangle, smaller leakage in the body, and higher volumetric efficiency
- Micro oil lubrication, with the functions of sealing, cooling, and lubrication High stability, high efficiency, low vibration and low noise



Premium Air Dryer

- Highly efficient heat exchanger with a built-in stainless steel demister removes all moisture, reduce energy use.
- Fully adjustable programmable electronic drain valve minimizes compressed air loss.
- No wearing parts, maintenance free

Premium Air Filters

- Three filtration grades provide high purity compressed air, element grades offer superior filtration
- Housings used conform to major pressure vessel directives.
- Simple installation and maintenance.

Vector Inverter

- Start more smoothly and reduce the impact on the grid
- It can be adjusted with the motor to achieve constant pressure air supply
- Save up to 30% on electricity bills

Premium Air Tank

- Engineered and produced by qualified factory with over 30 years of manufacturing experience.
- Advanced welding, painting, blasting, and testing procedures ensure the conformity with safety standards of pressure vessel.
- Steel material is made from top steel mill, ensures the durability and extended working life period.

DENAIR SAKAB

Technical parameters

Model	Motor Power kW & hp		Working Pressure bar(g)& psig		Air capacity m³/min & cfm		Dimensions(mm) L * W * H	Weight kg	Noise level dB(A)	Air outlet pipe diameter
EGA11	11	15	8 10 13	116 145 190	1.73 1.34 1.1	61 47 39	2170*890*1390	400	62	R3/4
EGA15	15	20	8 10 13	116 145 190	2.47 1.99 1.98	87 71 70	2170*890*1390	490	62	R3/4
EGA22	22	30	8 10 13	116 145 190	3.61 2.90 2.88	127 103 102	2450*1240*1590	780	66	R1-1/4
EGAV11	11	15	8 10 13	116 145 190	1.72 1.33 1.0	60 45 38	2170*890*1390	400	62	R3/4
EGAV15	15	20	8 10 13	116 145 190	2.46 1.98 1.96	86 70 68	2170*890*1390	490	62	R3/4
EGAV22	22	30	8 10 13	116 145 190	3.60 2.88 2.86	126 101 100	2450*1240*1590	780	66	R1-1/4
EGAV30	30	40	8 10 13	116 145 190	5.13 5.09 3.52	180 179 3.52	3264*2950*2450	1300	66	R1-1/4

Specifications are subject to change without notice.

Permanent Magnetic VSD Air Compressors

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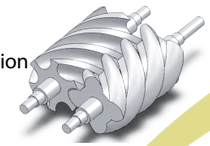

Permanent Magnetic Drive Motor

- Efficiency≥94.5%, Power factor≥0.95
- Using high temperature permanent magnet, never demagnetization
- Motor efficiency is 5%-8% higher than ordinary motors

Vector Inverter

- Start more smoothly and reduce the impact on the grid
- It can be adjusted with the motor to achieve constant pressure air supply
- Save up to 30% on electricity bills

Controller

- All-in-one controller, compact design, easy installation and simple wiring
- Concise and clear, convenient and easy to understand
- High degree of intelligence and can be unattended 24 hours a day.
- All-round protection, warning reminder, run more safely

Oil Gas Separator

- High filtration precision and efficiency, the system is more fuel-efficient, and the exhaust oil content is smaller
- The initial voltage is reduced, the actual power loss of the system is smaller, and energy saving can be achieved
- High-strength skeleton can avoid oil damage caused by excessive pressure difference

DENAIR SAKAB

Technical parameters

Model	Motor Power kW & hp		Working Pressure bar(g)& psig		Air Capacity m³/min & cfm		Dimensions(mm) L * W * H	Weight kg	Noise level dB(A)	Air outlet pipe diameter
EGV5	5.5	7.5	7	102	0.35~0.87	12~31	750*600*860	220	62	R1/2
			8	116	0.34~0.84	11~30				
			10	145	0.28~0.70	10~25				
EGV7	7.5	10	7	102	0.47~1.18	17~42	750*600*860	230	62	R1/2
			8	116	0.44~1.09	15~39				
			10	145	0.35~0.88	12~31				
			12.5	181	0.31~0.77	11~27				
EGV11	11	15	7	102	0.79~1.97	28~70	1000*650*960	330	62	R3/4
			8	116	0.70~1.76	25~62				
			10	145	0.53~1.32	19~47				
			12.5	181	0.41~1.03	15~36				
EGV15	15	20	7	102	1.04~2.60	37~92	1000*650*960	360	64	R3/4
			8	116	0.94~2.34	33~83				
			10	145	0.74~1.85	26~66				
			12.5	181	0.66~1.65	23~58				
EGV18	18.5	25	7	102	1.26~3.16	45~112	1150*800*1060	430	64	R1
			8	116	1.17~2.94	41~104				
			10	145	1.00~2.49	35~88				
			12.5	181	0.88~2.19	31~77				
EGV22	22	30	7	102	1.54~3.85	54~136	1150*800*1060	460	66	R1
			8	116	1.40~3.50	50~124				
			10	145	1.20~3.00	42~106				
			12.5	181	0.95~2.37	33~84				
EGV30	30	40	7	102	2.20~5.51	78~195	1300*960*1200	620	66	R1-1/2
			8	116	2.06~5.15	73~182				
			10	145	1.66~4.15	59~147				
			12.5	181	1.55~3.86	55~137				
EGV37	37	50	7	102	2.72~6.80	96~240	1300*960*1200	680	66	R1-1/2
			8	116	2.47~6.18	87~218				
			10	145	2.14~5.36	76~189				
			12.5	181	1.81~4.53	64~160				
EGV45	45	60	7	102	3.24~8.10	114~286	1300*960*1200	730	69	R1-1/2
			8	116	2.93~7.31	103~258				
			10	145	2.55~6.39	90~226				
			12.5	181	2.18~5.46	77~193				
EGV55	55	75	7	102	4.08~10.20	144~360	1700*1200*1500	1250	69	R2
			8	116	3.81~9.53	135~337				
			10	145	3.13~7.83	111~277				
			12.5	181	2.76~6.90	98~244				

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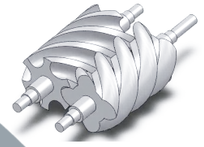
Two-stage compression screw Air Compressors



Screw air end

- A new generation of high-efficiency rotor profile
- Smaller leakage triangle, smaller leakage in the body, and higher volumetric efficiency
- Micro oil lubrication, with the functions of sealing, cooling, and lubrication
- High stability, high efficiency, low vibration and low noise

High Efficiency Drive Motor

- High-efficiency asynchronous motor, compact and sturdy structure design
- Unique internal cooling channel to ensure heat dissipation under different working conditions
- Low mechanical losses for high efficiency
- Lower noise, less vibration and longer life at high speeds

Controller

- All-in-one controller, compact design, easy installation and simple wiring
- Concise and clear, convenient and easy to understand
- High degree of intelligence and can be unattended
- 24 hours a day.
  All-round protection, warning reminder, run more safely

Inlet Valve

- Flexible air in and out, 0-100% air volume adjustment
- High adjustment precision and simple structure design
- With its own check valve, ican effectively prevent the backflow of lubricating oil

Oil Filter

- High filterability, can filter out a variety of impurities well
- Good oil permeability, low resistance when lubricating oil flows
- Have a certain mechanical strength, can withstand a certain pressure difference
- Anti-corrosion, anti-aging, low price

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Technical parameters

Model	Motor Power kW & hp		Working Pressure bar(g) &psig		Air Capacity m³/min & cfm		Dimensions(mm) L * W * H	Weight kg	Noise level dB(A)	Air outlet pipe diameter
EG55+	55	75	7	102	12.49	442	2100*1400*1600	1800	69	R2
			8	116	12.48	441				
			10	145	9.29	328				
			12.5	181	9.06	320				
EG75+	75	100	7	102	15.63	552	2100*1400*1600	1850	69	R2
			8	116	15.60	551				
			10	145	12.41	439				
			12.5	181	11.18	395				
EG90+	90	120	7	102	19.78	699	2590*1590*1850	2700	72	DN80
			8	116	19.67	695				
			10	145	15.51	548				
			12.5	181	14.43	510				
EG110+	110	150	7	102	23.04	814	2590*1590*1850	2950	75	DN80
			8	116	22.94	811				
			10	145	19.47	688				
			12.5	181	15.36	543				
EG132+	132	175	7	102	27.28	964	2590*1590*1850	3150	75	DN80
			8	116	27.18	961				
			10	145	22.81	806				
			12.5	181	19.18	678				
EG160+	160	215	7	102	30.50	1078	2890*1840*2000	4200	75	DN100
			8	116	30.47	1077				
			10	145	30.29	1071				
			12.5	181	26.89	950				
EG185+	185	250	7	102	37.39	1321	2890*1840*2000	4400	75	DN100
			8	116	37.29	1318				
			10	145	34.51	1219				
			12.5	181	30.10	1064				
EG200+	200	270	7	102	42.33	1496	3090*2090*2250	5200	78	DN100
			8	116	42.23	1492				
			10	145	37.18	1314				
			12.5	181	34.40	1216				
EG220+	220	300	7	102	45.17	1596	3090*2090*2250	5500	78	DN100
			8	116	45.06	1593				
			10	145	42.02	1485				
			12.5	181	37.08	1310				
EG250+	250	350	7	102	51.19	1809	3090*2090*2250	6000	78	DN100
			8	116	51.09	1805				
			10	145	44.84	1585				
			12.5	181	39.21	1386				

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