

JAGUAR[®]

Technology Leader of PM Screw Compressor

Top of the "Energy-efficiency Star" Ranking by MIIT for Four Consecutive Years

JAGUAR[®]



Since 1991
Stock Code 3010283.SZ

JAGUAR Technology Leader of PM Screw Compressor

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Air Compressor

Product Manual

DUC TRI INDUSTRIAL EQUIPMENT CO.,LTD



About Us

Xiamen East Asia Machinery Industrial Co., Ltd. (EAMI) is a comprehensive compressed air system solution manufacturer listed in Shenzhen Stock Exchange (stock code: 301028). EAMI is a large scale enterprise which can design, research and produce positive-displacement compressor and it is one of the few companies that masters the core technology of screw air compressor. EAMI's brand "JAGUAR" occupies a leading position in the field of permanent magnet screw air compressor throughout the year. "JAGUAR" brand ranked the top of the "Energy Efficiency Star" evaluated by Ministry of Industry and Information Technology, China for four consecutive years, 2018, 2019, 2020 and 2021.

Since its establishment in 1991, EAMI has always keeping efforts on technology development and innovation, and continues to increase the investment and research in the air compressor related fields. EAMI has more than 70 patents, more than 80 kinds of screw rotor profile and formed core technology advantage in energy saving, environmental protection and other aspects of the screw air compressor. "JAGUAR" whole series of permanent magnet screw machines exceed the grade one of national level of energy efficiency and mostly, maintains the world's leading level of energy efficiency in two stage compression series.

As one of the leading enterprises in the industry, with excellent R&D and innovation ability, it has won numerous honors such as "National High-tech Enterprise", "Fujian Provincial Enterprise Technology Center", "Fujian Provincial Manufacturing Individual Champion", "Fujian Provincial Technology Giant Leading Enterprise", "Xiamen Industrial Design Center", etc. With strong research and development capability, well-qualified professional team, advanced testing equipment and scientific management system, more than 500 JAGUAR distribution and service teams, EAMI provides not only excellent complete set of compressed air system solution but also full range of professional and attentive service to all customers in the world.



ISO9001:2015 ISO14001:2015 ISO45001:2018



High Precision Equipment for Manufacturing High Precision Screw Rotors

EAMI uses professional high-precision manufacturing equipment, to ensure high standard design requirements. The screw rotor is grinded with high precision, and the machining precision reaches 0.005mm. The surface roughness reaches Ra0.1-0.2um.

High Precision Machining, Excellent Unit Design

The excellent performance of Jaguar screw air compressor originated from the integration of high precision manufacturing technology, computer aided design and measuring system. The material of the rotor is made of ductile iron with high strength, high hardness, wear resistance and better ductility, so as to ensure the good quality of the rotor. With high precision CBN Grinding machine, and using advanced three-dimensional CMM measuring center, to ensure that the rotor meets the design precision requirements. The air-end is made by high precision imported CNC horizontal machining center. It is equipped with high-precision tools imported from Europe to ensure the machining accuracy of the air-end. High precision rotor with high efficiency bearing, tight rotor clearance, creating large air usage, high stable and long service life. All of this create high reliable screw air compressor.



Imported Holroyd CNC Grinding Machine

Imported DMG MORI CNC Horizontal Machining Center

Imported German Zeiss CMM Measuring Center

Imported Italian Salvagnini Dynamic Laser Cutting Machine

ZLS-2iC 30~350HP

Screw Air Compressor

Two-stage Compression PM VSD Screw Air Compressor

Much more approaching isothermal efficiency to drive dual PM motor, dual air end and dual cooling fan in more coordinated mode, slipping the traditional leash and adoption of all new generation VF control algorithm. Automatically constant mid-pressure between the first stage and second stage and intelligent flexible regulating pressure according to site situation can save power consumption maximum.



Advantage of dual motor & dual air end

- Dual motor driving independently
- Lower compression ratio than single stage
- Lower inner leakage backflow
- Easy maintenance
- Longer running time
- Lower failure rate
- Flexible regulating of middle pressure
- Easy to match better air end to achieve different pressure and better efficiency



Dual air end and dual motor connection in series

Technical Data Sheet

Model	Mpa	ZLS30-2iC	ZLS40-2iC	ZLS50-2iC	ZLS60-2iC	ZLS75-2iC	ZLS100-2iC	ZLS125-2iC	
Max air displacement/ discharge pressure m ³ /min	0.7	4.7	6.4	7.5	9.6	12.6	17.0	20.3	
	0.8	4.4	5.9	7.1	9.2	11.9	15.6	19.3	
	1.0	4.0	5.2	6.2	8.6	10.3	12.6	17.3	
	1.25	3.6	4.6	5.5	7.0	8.6	11.5	15.3	
Working mode of cooler	Air cooling/water cooling								
Discharge Temperature	°C	Air cooling≤environmental temperature +10°C,water cooling≤40°C							
Volume of lubricating oil	L	18	22	28	35	38	45	70	
Noise	dB(A)	63±2	64±2	64±2	65±2	70±3	71±3	73±3	
Motor	Power	kW/HP	22/30	30/40	37/50	45/60	55/75	75/100	90/125
	Start mode	VSD Start							
	Voltage	220V/380V/415V 50Hz/60Hz							
Dimension	Length	mm	1500	1760	1760	1850	1850	1900	2800
	Width	mm	1175	1250	1250	1380	1380	1400	1650
	Height	mm	1320	1480	1480	1600	1600	1700	1800
Weight	kg	660	800	950	1100	1300	1650	2500	
Air Outlet Diameter	inch	1-1/2"	1-1/2"	1-1/2"	2"	2"	2"	DN65	
Eff.STD.	GB/T 19153-2019 First Class								

Model	Mpa	ZLS150-2iC	ZLS175-2iC	ZLS200-2iC	ZLS250-2iC	ZLS275-2iC	ZLS300-2iC	ZLS350-2iC	
Max air displacement/ discharge pressure m ³ /min	0.7	24.2	29.1	36.3	41.2	45.9	48.6	56.1	
	0.8	23.2	27.7	33.6	38.9	42.5	47.2	54.1	
	1.0	21.0	24.7	30.2	34.5	40.1	42.5	46.7	
	1.25	17.3	22.1	28.1	32.1	38.0	40.0	43.5	
Working mode of cooler	Air cooling/water cooling								
Discharge Temperature	°C	Air cooling≤environmental temperature +10°C,water cooling≤40°C							
Volume of lubricating oil	L	70	100	100	120	140	140	170	
Noise	dB(A)	74±3	74±3	75±3	79±3	79±3	80±3	80±3	
Motor	Power	kW/HP	110/150	132/175	160/200	185/250	200/275	220/300	250/350
	Start mode	VSD Start							
	Voltage	220V/380V/415V 50Hz/60Hz							
Dimension	Length	mm	2800	3200	3800	3800	4200	4200	4300
	Width	mm	1650	1800	2000	2000	2300	2300	2400
	Height	mm	1800	2050	2050	2050	2200	2200	2200
Weight	kg	3000	3650	4376	5000	5100	5300	6400	
Air Outlet Diameter	inch	DN80	DN100	DN100	DN100	DN125	DN125	DN125	
Eff.STD.	GB/T 19153-2019 First Class								

Specification Subject To Change Without Notice In Advance.

ZLS-Hi+ 07~350HP

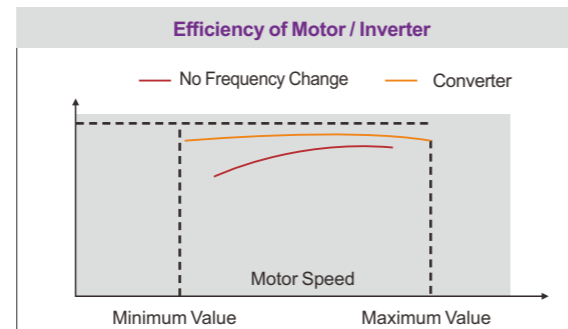
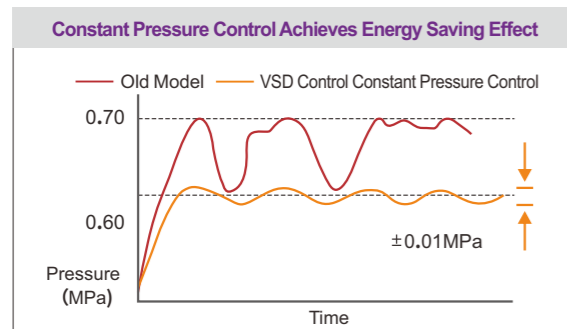
Screw Air Compressor

PM VSD
Energy saving
up to 50%



Low RPM Permanent Magnet VSD Screw Air Compressor

- The VSD keeps pressure in stable, which effectively avoids the waste of energy in the process of loading and unloading. And effectively stabilizes the loading pressure in the air supply pipeline. The pressure fluctuation is stably controlled between 0.01Mpa;
- As a result of stable pressure, the overall average pressure is reduced, and the system load is reduced, which greatly reduces the energy consumption. With the decrease of the average working pressure, the leakage risk in the system pipeline is greatly reduced;
- After the VSD machine is started, the starting stage of the motor will not impact the electric grid, and the energy loss of the peak current of the traditional air compressor in the start-up phase is completely eliminated;
- Provide 5~8kg pressure range to the user, VSD compressor can also be customized high pressure and special design of the inverter and motor (high protective bearing), to ensure the safety and stability in VSD control.



Technical Data Sheet

Model	Mpa	ZLS07Hi+	ZLS10Hi+	ZLS15Hi+	ZLS20Hi+	ZLS30Hi+	ZLS40Hi+	ZLS50Hi+	ZLS60Hi+	
Max air displacement/ discharge pressure m ³ /min	0.6	1.47	1.85	2.8	3.5	4.7	6.5	7.8	9.5	
	0.7	1.4	1.73	2.6	3.3	4.4	6	7.3	8.8	
	0.8	1.3	1.6	2.4	3.0	4.2	5.6	6.8	8.2	
	1.0	/	1.3	1.9	2.6	3.6	5.1	5.9	7.2	
	1.25	/	1.1	1.5	2.1	3.1	4.2	5.1	6.4	
	1.50	/	0.85	1.3	1.7	2.6	3.7	4.5	/	
Working Mode of Cooler	Air cooling/water cooling									
Discharge Temperature	°C	Air cooling≤environmental temperature +10°C,water cooling≤40°C								
Volume of lubricating oil	L	10	10	12	12	12	25	25	28	
Noise	dB(A)	61±2	61±2	61±2	62±2	64±2	64±2	64±2	65±2	
Motor	Power	kW/HP	5.5/7	7.5/10	11/15	15/20	22/30	30/40	37/50	45/60
	Start mode	VSD Start								
	Voltage	220V/380V/415V 50Hz/60Hz								
Dimension	Length	mm	950	1050	1050	1050	1350	1470	1500	1550
	Width	mm	700	800	920	920	1000	1000	1050	1150
	Height	mm	1000	1100	1150	1150	1290	1350	1400	1460
Weight	kg	288	348	368	458	575	640	828	1120	
Air Outlet Diameter	inch	3/4"	1"	1-1/4"	1-1/4"	1-1/4"	1-1/2"	1-1/2"	1-1/2"	
Eff.STD.	GB/T 19153-2019 First Class									

Model	Mpa	ZLS75Hi+	ZLS100Hi+	ZLS125Hi+	ZLS150Hi+	ZLS175Hi+	ZLS200Hi+	ZLS275Hi+	ZLS350Hi+	
Max air displacement/ discharge pressure m ³ /min	0.6	12.7	16.8	20.37	25.6	28.0	34.8	41.8	48.6	
	0.7	11.9	15.6	19.0	23.8	26.8	32.4	38.9	45.2	
	0.8	11.0	14.49	17.6	22.1	24.9	30.1	36.17	42.03	
	1.0	9.6	12.6	14.1	20.6	23.2	26.8	32.4	38.4	
	1.25	8.0	10.9	12.8	16.8	19.3	21.8	27.6	34.3	
	1.50	/	/	/	/	/	/	/	/	
Working Mode of Cooler	Air cooling/water cooling									
Discharge Temperature	°C	Air cooling≤environmental temperature +10°C,water cooling≤40°C								
Volume of lubricating oil	L	48	60	60	70	94	94	150	185	
Noise	dB(A)	65±2	66±2	66±2	67±2	67±2	70±2	80±2	82±2	
Motor	Power	kW/HP	55/75	75/100	90/125	110/150	132/175	160/200	200/275	250/350
	Start mode	VSD Start								
	Voltage	220V/380V/415V 50Hz/60Hz								
Dimension	Length	mm	1800	1950	1900	2590	3100	3100	3250	3500
	Width	mm	1250	1400	1450	1750	1900	1900	2500	2300
	Height	mm	1480	1600	1630	1920	2050	2050	2190	2200
Weight	kg	1300	1650	2400	3300	3500	3500	6500	7900	
Air Outlet Diameter	inch	2"	2"	2"	DN65	DN80	DN80	DN100	DN100	
Eff.STD.	GB/T 19153-2019 First Class									

Specification Subject To Change Without Notice In Advance.

XS10-100HP

Screw Air Compressor

Permanent Magnet VSD Screw Air Compressor

- Coaxial drive makes higher efficiency and zero transmission loss.
- IE4 permanent magnet motor running speed changes by site requirement.
- IP65 protection level is assured by liquid cooling enclosure motor housing.

All new design
High Efficient
High Quality



All series using IE4 high efficiency motor

XS series all use IE4 permanent magnet high efficiency VSD motor which is made of rare earth material NdFeB. Permanent magnet creates excitation magnetic field and thus achieves high efficient electric energy conversion. It is called as permanent magnet synchronous motor as it rotates as same as excitation synchronous motor but is with higher efficient, smaller dimension, lower weight and more compact structure.



Permanent magnet VSD motor conforming to IEC 60034-30-2008. Assured by professional certification authority.

Technical Data Sheet

Model	Discharging Pressure (Mpa)	Discharging Volume (m³/min)	Power (kW/HP)	Lubricant Capacity (L)	Noise dB(A)	Air Outlet Diameter (inch)	Weight (Kg)	Overall Dimensions (LxWxHmm)
XS-10	0.7	1.2	7.5/10	7	61 ± 2	3/4"	188	800X670X950
	0.8	1.1						
	1.0	0.95						
	1.25	0.85						
	1.50	0.75						
XS-15	0.7	1.8	11/15	10	61 ± 2	1"	230	900X700X1100
	0.8	1.7						
	1.0	1.5						
	1.25	1.3						
	1.50	1.1						
XS-20	0.7	2.5	15/20	10	62 ± 2	1"	268	900X750X1130
	0.8	2.4						
	1.0	2.0						
	1.25	1.7						
	1.50	1.5						
XS-30	0.7	3.9	22/30	12	64 ± 2	1-1/4"	345	1000X870X1150
	0.8	3.8						
	1.0	3.1						
	1.25	2.5						
	1.50	2.3						
XS-40	0.7	5.1	30/40	18	64 ± 2	1-1/4"	462	1100X900X1300
	0.8	5.0						
	1.0	4.3						
	1.25	3.9						
	1.50	3.5						
XS-50	0.7	6.4	37/50	25	64 ± 2	1-1/4"	510	1250X900X1300
	0.8	6.3						
	1.0	5.6						
	1.25	5.1						
	1.50	4.2						
XS-60	0.7	8.0	45/60	25	65 ± 2	1-1/2"	680	1200X1050X1410
	0.8	7.5						
	1.0	7.0						
	1.25	6.0						
	1.50	4.5						
XS-75	0.7	10.5	55/75	28	65 ± 2	1-1/2"	830	1400X1000X1450
	0.8	10.1						
	1.0	8.9						
	1.25	7.6						
	1.50	6.0						
XS-100	0.7	13.8	75/100	42	66 ± 2	2"	1120	1550X1200X1550
	0.8	13.1						
	1.0	12.1						
	1.25	10.1						
	1.50	7.8						

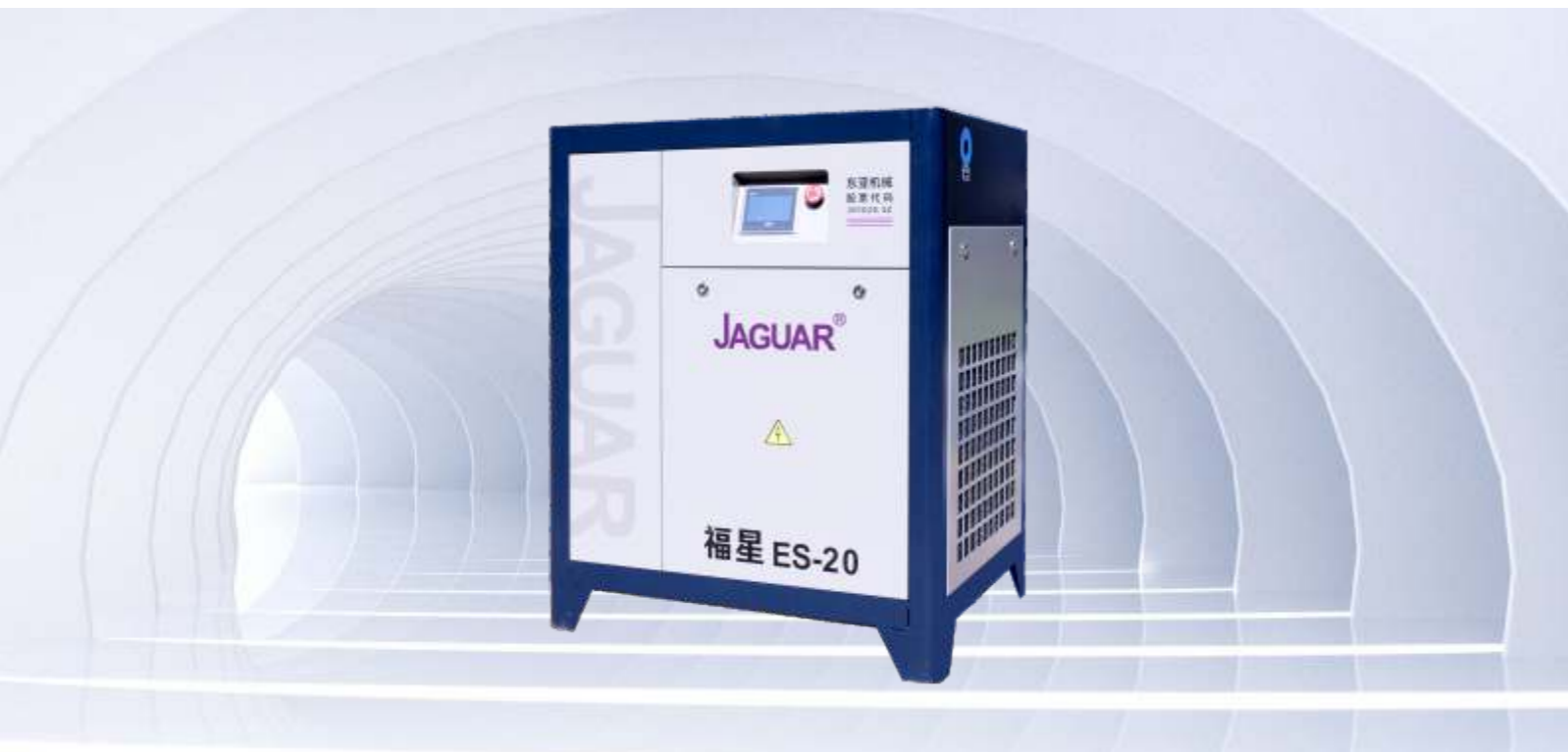
Specification Subject To Change Without Notice In Advance.

ES-10~50HP

Permanent Magnet VSD Screw Air Compressor

Advantages

- 01 Beautiful and compact new appearance, easy maintenance;
- 02 Coaxial drive makes higher efficiency and zero transmission loss;
- 03 IE4 permanent magnet motor running speed changes by site requirement;
- 04 IP65 protection level is assured by liquid cooling enclosure motor housing.



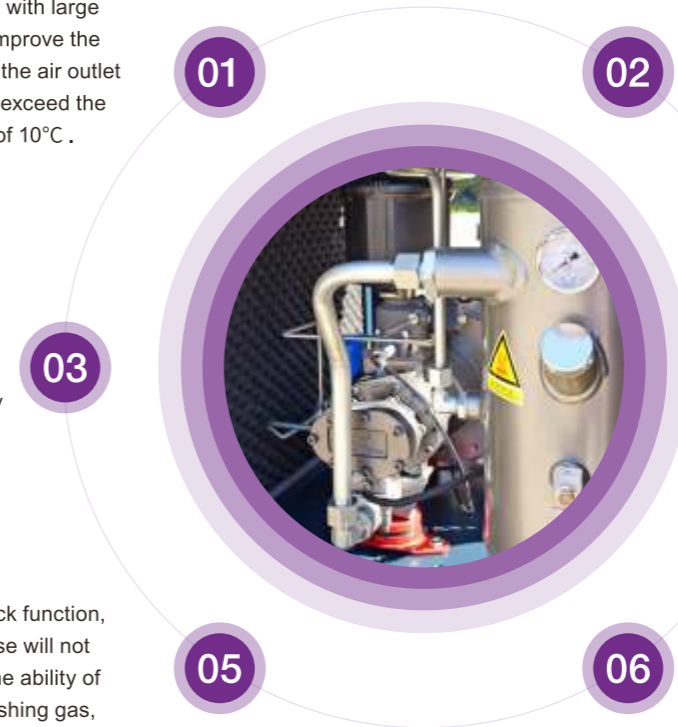
Overall configuration

Cooling system: Plate-fin aluminum heat exchanger, high heat transfer efficiency, compact structure, light weight. Equipped with large air volume axial fan, improve the cooling effect, ensure the air outlet temperature does not exceed the ambient temperature of 10°C.

Display and control all-in-one machine: HD color touch screen, user-friendly interface and control design, more convenient query and setting.

The whole system uses the filter screen, small wind resistance, better filter effect, easy and fast cleaning.

Intake valve: with check function, in emergency stop case will not spray oil; it also has the ability of unloading and replenishing gas, which can effectively eliminate the cavitation noise produced by the main engine.



The whole system increases the air inlet, reduces the air inlet resistance and improves the heat dissipation effect and energy efficiency level.

High efficiency air filter: surplus flow design, filtration efficiency is greater than 99.5%; Low intake pressure loss, reduce air loss, improve unit energy efficiency

Technical Data Sheet

Model	Discharging Pressure (MPa)	Discharging Volume (m³/min)	Power (kW/HP)	Air Outlet Diameter (inch)	Weight (kg)	Overall Dimensions (L×W×Hmm)
ES-10	0.8	1	7.5/10	3/4"	160	750x650x970
ES-15	0.8	1.6	11/15	1"	225	900x750x1130
ES-20	0.8	2.1	15/20	1"	245	900x750x1130
ES-30	0.8	3.4	22/30	1-1/4"	325	950x820x1150
ES-50	0.8	6	37/50	1-1/4"	460	1250x900x1300

LS-10~30HP

Screw Air Compressor

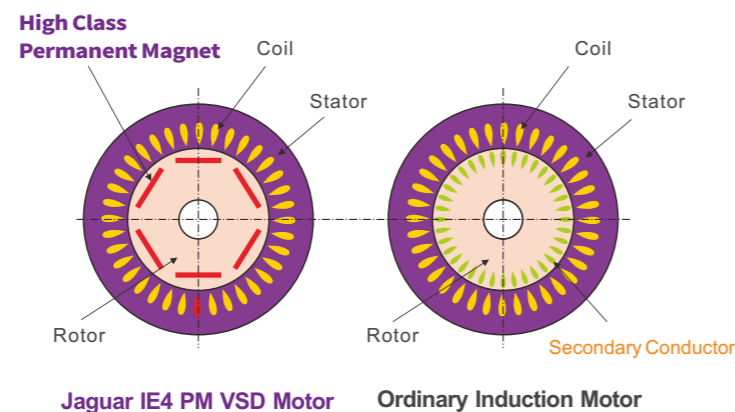
JAGUAR screw Air Compressor with built-in Dryer and Filter

- Low RPM
- Permanent Magnet Motor
- VSD Control
- Grade 1 of National Efficiency Standard
- Compact & Integration Design
- Special design for laser cutting machine



The advantage of IE4 permanent magnet motor

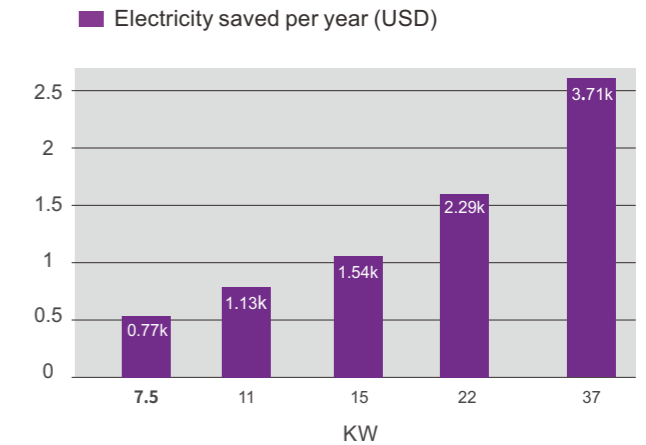
Permanent magnet VSD motor conforming to IEC 60034-30-2008. Assured by professional certification authority.



Benefits of using IE4 PM VSD motor

Comparing with IE1 motor air compressor, IE4 PM VSD air compressor can save USD3,710 per year. Great benefit.

*Example for same model compressor but IE1 and IE4 motor comparing, 7200 hours/year, 1KWH=USD0.14.



Technical Data Sheet

Model	Discharging Pressure (Mpa)	Discharging Volume (m³/min)	Power (kW/HP)	Noise dB(A)	Tank capacity (L)	Weight (Kg)	Overall Dimensions (LxWxHmm)
LS-10	0.8	1.1	7.5/10	61 ± 2	260	416	1500X750X1640
	1.0	0.95					
	1.25	0.85					
	1.5	0.75					
L S-15	0.8	1.7	11/15	61 ± 2	380	500	1750X750X1700
	1.0	1.5					
	1.25	1.3					
	1.5	1.1					
L S-20	0.8	2.4	15/20	62 ± 2	380	560	1750X750X1700
	1.0	2.0					
	1.25	1.7					
	1.5	1.5					
L S-30	0.8	3.8	22/30	64 ± 2	600	710	1890X820X1920
	1.0	3.1					
	1.25	2.5					
	1.5	2.3					
L S-50	0.8	6.3	37/50	64 ± 2	600	870	2000X900X1970
	1.0	5.6					
	1.25	5.1					
	1.5	4.2					

Specification Subject To Change Without Notice In Advance.

VC05~100HP

PM Vacuum Pump



JAGUAR PM screw Vacuum Pump

JAGUAR PM screw vacuum pump VC series is a new generation of intelligent screw vacuum pump, using IP65 eight-stage PM motor coaxial drive, with ultra-low noise. The air end has been selected after long simulation tests and type tests, and the technical content has reached the leading level in the industry. With large flow design, the pumping speed is faster. The ultimate pressure is 0.35 mbar (A), and the vacuum capacity is adapted to the continuous and stable production demand. The liquid-cooled system of innovative design cools the PM motor via the coolant to ensure that the PM motor does not lose magnetism, saving 40% of electricity as compared with the traditional water ring vacuum pump. The plug-and-play design principle can provide better performance to meet your running pressure requirements.

Efficient PM Synchronous Motor

For the JAGUAR VC series with IE4 PM inverter ultra-high efficiency motor, the electromagnetic scheme of motor is greatly optimized, the motor efficiency is greatly improved by 5-10%, and the user cost is significantly reduced.



JAGUAR VC Series with IE4 PM Motor



Technical Data Sheet

Model	Power	Pumping Speed	Final Vacuum	Weight	Inlet/Outlet	Dimension
	kW	m ³ /h	pa	Kg	DN	mm
VC-05	4	240	≤35	530	DN65/DN50	1500x1000x1200
VC-07	5.5	468	≤35	550	DN80/DN65	1500x1000x1200
VC-10	7.5	588	≤35	685	DN80/DN65	1500x1000x1200
VC-15	11	780	≤35	875	DN80/DN65	1650x1150x1270
VC-20	15	876	≤35	1120	DN80/DN65	1650x1150x1270
VC-30	22	1320	≤35	1500	DN150/DN100	1850x1300x1650
VC-40	30	1620	≤35	1700	DN150/DN100	2150x1500x1950
VC-50	37	1812	≤35	2135	DN150/DN100	2150x1500x1950
VC-60	45	2820	≤35	3100	DN200/DN150	2700x2200x1850
VC-75	55	3300	≤35	4200	DN200/DN150	3050x2200x1850
VC-100	75	4440	≤35	6000	DN200/DN150	3200x2200x2000

Specification Subject To Change Without Notice In Advance.

ZLS-Di 30~200HP

Screw Air Compressor

Industry leader,
first class energy
efficiency
standards



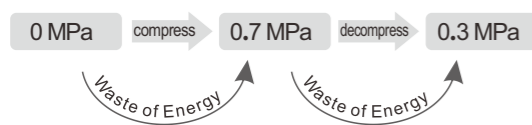
What Circumstances Should We Use Low Pressure Air Compressor?

When you only need the pressure of 0.3~0.5MPa, if you use the ordinary 0.7MPa machine and decompression to 0.3 Mpa to use, it means you would waste a lot of electricity.

But with a permanent magnet low pressure and large displacement screw compressor, in the same condition, it will be more reliable and more energy saving than the ordinary air compressor.

If you buy a 0.7MPa machine and the actual use pressure is 0.3MPa, its working process is usually like this: the screw air-end will compress air from 0.1MPa to 0.7MPa, and then through the pressure reducing valve or other ways to reduce the pressure to 0.3MPa. In short, you need to use 0.3MPa, but you actually suffer from the power consumption of 0.7MPa, which creates a huge waste of energy!

Ordinary Compressor



PM VSD Compressor



Low Pressure Large Discharge Screw Air Compressor

- Original IP65 permanent magnet motor, oil / water cooled technology, efficiency increased by 8%;
- With large rotor and low speed design, the performance is more stable; Permanent magnet IPM motor adopts 8 pole high speed motor, energy-saving efficiency increased by 10% compared with asynchronous motor;
- Dual VSD cooling fan, low noise, save 3% energy consumption;
- Special low pressure intake valve, oil and gas separation filter and minimum pressure valve, significantly improve the performance of the whole machine.



175~350HP

Technical Data Sheet

Model	Mpa	ZLS30Di	ZLS40Di	ZLS50Di	ZLS60Di	ZLS75Di	ZLS100Di	ZLS125Di	ZLS150Di	ZLS175Di	ZLS200Di	
Max air displacement/ discharge pressure m ³ /min	0.2	2.88-7.2	3.7-11.3	5.6-14	6.44-16.1	8.4-21	11.2-28	13.84-36.5	18-45	19.2-51.8	24-60	
	0.25	2.7-6.9	3.48-10.1	4.88-12.2	6.08-15.2	8.08-19.3	9.96-25.3	12.88-34.8	15.52-38.8	18-45	22.4-56	
	0.30	2.6-6.6	3.2-7.8	4.27-11.8	5.8-14.5	7.44-18.2	9.32-23.3	11.6-29	14.72-36.8	16.88-42.2	19.6-50.5	
	0.35	2.4-6	3.1-7.6	4.4-11	5.4-13.5	6.88-16	8.84-22.1	11.04-27.6	13.92-34.8	16.08-40.2	19.36-48.4	
	0.40	2.28-5.7	2.9-6.9	4.04-10.1	4.6-11.5	6.32-15.8	8.4-21	10.2-25.5	12.4-31	15.28-36.86	18.4-43.86	
	0.45	2.21-5	2.72-6.7	3.72-9.3	4.32-10.8	5.96-14.9	7.76-19.4	9.6-24	10.8-27	14-32	17.2-42	
0.50	2.0-4.7	2.6-6.5	3.52-8.8	4.08-10.2	5.68-14.2	7.44-18.6	9.12-22.8	10.2-25.5	13.52-31.44	16.04-39.983		
Working Mode of Cooler		Air cooling/water cooling										
Discharge Temperature	°C	Air cooling ≤ environmental temperature + 10°C, water cooling ≤ 40°C										
Noise	dB(A)	64 ± 2	65 ± 2	65 ± 2	66 ± 2	66 ± 2	67 ± 2	68 ± 2	70 ± 2	70 ± 2	70 ± 2	
Motor	Power	kW/HP	22/30	30/40	37/50	45/60	55/75	75/100	90/125	110/150	132/175	160/200
	Start mode		VSD Start									
	Voltage		220V/380V/415V/50Hz									

Model	Dimension(mm)	Air Outlet Diameter	Model	Dimension(mm)	Air Outlet Diameter
ZLS30Di (0.20/0.25/0.30/0.35)	1400x1000x1400	1-1/2"	ZLS100Di (0.20/0.25/0.30/0.35)	2800x1800x2150	DN80
ZLS30Di (0.40/0.45/0.50)	1250x900x1300		ZLS100Di (0.40/0.45/0.50)	2400x1750x1900	DN65
ZLS40Di (0.20/0.25/0.30/0.35)	1550x1130x1370	1-1/2"	ZLS125Di (0.20/0.25/0.30/0.35)	3250x2000x2050	DN100
ZLS40Di (0.40/0.45/0.50)	1400x920x1350		ZLS125Di (0.40/0.45/0.50)	2900x1900x2050	DN80
ZLS50Di (0.20/0.25/0.30/0.35)	1750x1300x1600	2"	ZLS150Di (0.20/0.25/0.30/0.35)	3600x2000x2250	DN150
ZLS50Di (0.40/0.45/0.50)	1600x1100x1450	1-1/2"	ZLS150Di (0.40/0.45/0.50)	3000x2000x2050	DN100
ZLS60Di (0.20/0.25/0.30/0.35)	1750x1300x1600	2"	ZLS175Di (0.20/0.25/0.30/0.35)	3600x2000x2250	DN200
ZLS60Di (0.40/0.45/0.50)	1700x1110x1480		ZLS175Di (0.40/0.45/0.50)	3200x2300x2100	DN100
ZLS75Di (0.20/0.25/0.30/0.35)	2300x1700x2050	DN80	ZLS200Di (0.20/0.25/0.30/0.35)	3600x2000x2250	DN200
ZLS75Di (0.40/0.45/0.50)	1750x1200x1450	2"	ZLS200Di (0.40/0.45/0.50)	3500x2400x2200	DN100

Specification Subject To Change Without Notice In Advance.

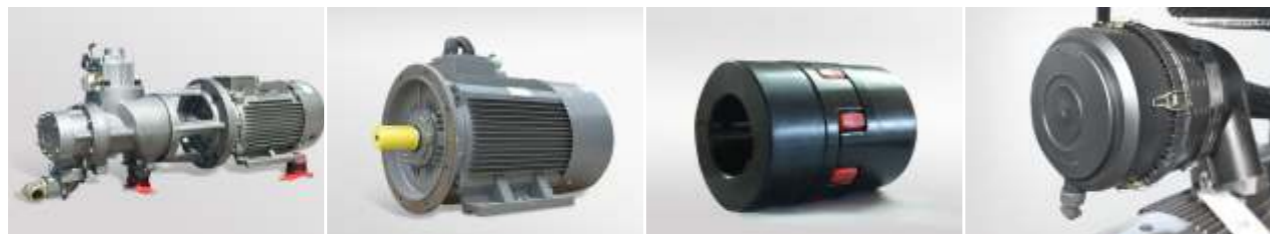
ZLS10~350HP

Screw Air Compressor



Asynchronous Direct Drive Screw Compressor

- The air-end is made of the third generation of screw profile. According to the idea of big rotor, big bearing and low speed, all the models have been designed one by one. High reliability, and low speed, reduce the failure rate, guarantee the long service life of the air-end.
- Advantages of low speed and low noise, and reduces the stimulation to the eardrum, and effectively protects the human body.
- The intake valve and the oil pipe are special designed according to the latest research results. The internal pressure ratio is reasonable, and the oil and gas heat exchange is sufficient.
- The direct drive transmission, high transmission efficiency, reliable imported coupling, easy installation, long lasting life.



High precision air-end

High efficiency asynchronous motor

Specially designed coupling

High quality air filter

Technical Data Sheet

Model	Mpa	ZLS 10	ZLS 15	ZLS 20	ZLS 30	ZLS 40	ZLS 50	ZLS 60	ZLS 75	
Max air displacement/ discharge pressure	0.7	1.35	1.8	2.5	3.8	5.2	6.5	8.0	10.5	
	0.8	1.2	1.6	2.3	3.4	5.0	6.1	7.5	9.8	
	m ³ /min	1.0	1.0	1.3	2.0	3.1	4.3	5.5	7.0	8.6
Working Mode of Cooler	Air cooling/water cooling									
Discharge Temperature	°C	Air cooling ≤ environmental temperature +10°C, water cooling ≤ 40°C								
Volume of lubricating oil	L	10	10	10	11	13	18	25	25	
Noise	dB(A)	66	66	68	70	70	72	73	73	
Motor	Power	kW/HP	7.5/10	11/15	15/20	22/30	30/40	37/50	45/60	55/75
	Start mode	Y-Δstart								
	Voltage	220V/380V/415V 50Hz/60Hz								
Dimension	Length	mm	1050	1200	1200	1350	1350	1500	1550	1600
	Width	mm	670	820	820	820	820	900	1050	1150
	Height	mm	950	1150	1150	1150	1150	1350	1460	1580
Weight	kg	300	420	450	550	640	750	920	1160	
Air Outlet Diameter	inch	3/4"	1"	1"	1-1/4"	1-1/4"	1-1/4"	1-1/2"	2"	

Model	Mpa	ZLS 100	ZLS 125	ZLS 150	ZLS 175	ZLS 200	ZLS 250	ZLS 300	ZLS 350	
Max air displacement/ discharge pressure	0.7	13.9	16.0	20.5	24.1	28.3	32.5	38.5	43.8	
	0.8	12.8	15.5	19.0	22.9	27.0	30.0	35.8	41.4	
	m ³ /min	1.0	11.8	13.9	17.4	20.1	24.3	26.7	29.8	35.5
Working Mode of Cooler	Air cooling/water cooling									
Discharge Temperature	°C	Air cooling ≤ environmental temperature +10°C, water cooling ≤ 40°C								
Volume of lubricating oil	L	60	60	70	94	94	94	185	185	
Noise	dB(A)	75	75	77	77	79	79	79	80	
Motor	Power	kW/HP	75/100	90/125	110/150	132/175	160/200	185/250	220/300	250/350
	Start mode	Y-Δstart								
	Voltage	220V/380V/415V 50Hz/60Hz								
Dimension	Length	mm	1700	2150	2500	3000	3000	3000	3950	3950
	Width	mm	1200	1350	1650	1800	1800	2000	2300	2300
	Height	mm	1580	1700	1920	2050	2050	2050	2200	2200
Weight	kg	1550	1850	2450	2700	2890	3000	4400	4610	
Air Outlet Diameter	inch	2"	2"	DN65	DN80	DN80	DN100	DN100	4"	

Specification Subject To Change Without Notice In Advance.

EAS10~75HP

Screw Air Compressor



Belt Drive Screw Air Compressor

Technical Data Sheet

Model	Mpa	EAS10	EAS15	EAS20	EAS30	EAS40	EAS50	EAS60	EAS75	
Max air displacement/ discharge pressure m ³ /min	0.8	1.2	1.6	2.3	3.4	5.0	6.1	7.5	9.8	
	1.0	1.0	1.3	2.0	3.1	4.3	5.5	7.0	8.6	
	1.25	0.8	1.0	1.7	2.7	3.8	4.9	6.0	7.6	
	1.5	0.6	0.8	1.3	2.0	2.8	3.6	4.5	6.0	
Working Mode of Cooler	Air cooling/water cooling									
Discharge Temperature	°C	Air cooling ≤ environmental temperature +10°C, water cooling ≤ 40°C								
Volume of lubricating oil	L	10	10	10	11	13	18	25	25	
Noise	dB(A)	66±2	66±2	68±2	70±2	70±2	72±2	73±2	73±2	
Motor	Power	KW/HP	7.5/10	11/15	15/20	22/30	30/40	37/50	45/60	55/75
	Start mode	Direct driven			Y-△start					
	Voltage	380V/50Hz								
Dimension	Length	mm	880	1020	1020	1180	1250	1350	1450	1500
	Width	mm	670	780	780	820	900	990	1150	1150
	Height	mm	950	1130	1130	1200	1250	1340	1400	1550
Weight	kg	300	390	410	500	590	700	880	1060	
Caliber of Air-vent	inch	3/4"	1"	1"	1-1/4"	1-1/4"	1-1/4"	1-1/2"	2"	

Portable Air Compressor With Tank

Technical Data Sheet

Model	Discharge (m ³ /min)			Power	Tank	Oil Dosage	Dimension
	7kgf/cm ²	8kgf/cm ²	10kgf/cm ²				
EAS07-260	1.0	0.9	0.7	5.5/7.5	260	6	1840X970X1550
EAS10-260	1.3	1.2	1.0	7.5/10	260	10	1840X970X1550
EAS10-400	1.3	1.2	1.0	7.5/10	400	10	1840X970X1650
EAS15-400	1.8	1.6	1.3	11/15	400	10	1980X1070X1760
EAS20-400	2.5	2.3	2.0	15/20	400	10	2100X1850X530

Specification Subject To Change Without Notice In Advance.

Piston Air Compressor Series



Air Cooled Piston Compressor (One Stage & Two Stage)

Technical Data Sheet

Model	EC-51	EV-51	EV-65	ET-65						
Power	KW/HP	0.75/1	1.5/2	2.2/3	3/4					
Discharge Volume	Nm ³ /min	0.09	0.21	0.28	0.42					
Working Pressure	Bar(kg/c)	8	8	8	8					
Tank capacity	L	29	60	95	110					
Overall Dimensions	Length mm	670	920	1100	1260					
	Width mm	320	440	480	470					
	Height mm	660	710	780	800					
Model	EV-80	EV-90	ET-80	ET-90	ET-100					
Power	KW/HP	4/5	5.5/7.5	5.5/7.5	7.5/10	7.5/10				
Discharge Volume	Nm ³ /min	0.52	0.67	0.96	1.08	1.36				
Working Pressure	Bar(kg/c)	8	8	8	8	8				
Tank capacity	L	140	160	160	260	260				
Overall Dimensions	Length mm	1260	1460	1460	1500	1500				
	Width mm	540	580	530	660	660				
	Height mm	920	1020	1050	1200	1230				
Model	ET-15100	ET-120	ET-20120	EM-120	EM-25120	4V-80	4V-120	4V-25120	4V-30120	
Power	KW/HP	11/15	11/15	15/20	15/20	18.5/25	7.5/10	15/20	18.5/25	22/30
Discharge Volume	Nm ³ /min	1.67	1.8	2.12	2.5	2.56	1.36	2.5	2.8	3
Working Pressure	Bar(kg/c)	8	8	8	8	8	8	8	8	8
Tank capacity	L	300	300	300	300	300	260	500	500	500
Overall Dimensions	Length mm	1700	1700	1700	1840	1840	1580	1980	1980	1980
	Width mm	700	750	750	750	870	670	870	870	870
	Height mm	1250	1400	1400	1400	1400	1380	1460	1460	1460
Model	HET-65	HET-80	HET-90	HET-100	HEM-10105	HET-120				
Power	KW/HP	3/4	5.5/7.5	7.5/10	7.5/10	7.5/10	11/15			
Discharge Volume	Nm ³ /min	0.36	0.58	0.72	0.9	1.26	1.36			
Working Pressure	Bar(kg/c)	12.5	12.5	12.5	12.5	12.5	12.5			
Tank capacity	L	110	160	160	260	260	300			
Overall Dimensions	Length mm	1140	1510	1510	1500	1500	1700			
	Width mm	460	620	620	660	660	750			
	Height mm	760	1090	1090	1220	1200	1400			

Specification Subject To Change Without Notice In Advance.

Oil-free Piston Air Compressor

- 100% completely oil-free, providing clean compressed air. Self lubrication piston ring and sealing bearing, no oil in crankcase.
- The entire process of compression is no oil, so the resulting compressed air is naturally 100% oil-free.
- Widely used in medical, food, micro-electronics, laser and other requirements of completely oil-free compressed air occasions.



Technical Data Sheet

Model		OL-80	OL-90	OL-100	OL-150	OL-200	
Power	KW/HP	4/5	5.5/7.5	7.5/10	11/15	15/20	
Discharge Volume	Nm³/min	0.45	0.6	0.9	1.36	2.0	
Working Pressure	Bar(kg/c)	7	7	7	7	7	
Tank capacity	L	160	160	260	300	300	
Overall Dimensions	Length	mm	1460	1510	1500	1300	
	Width	mm	560	620	660	1250	1300
	Height	mm	1050	1090	1250	1200	1200

Specification Subject To Change Without Notice In Advance.

Medium Pressure Air Cooled Piston Air Compressor (30 Bar)

- 100% cast iron crankcase and individually cast cylinder
- Efficient fin cooler
- Solid rod
- Starting with unloading device
- Synthetic lubricant oil
- Durable parts



Technical Data Sheet

Model		HET-130	HET-260	HET-390	
Power	KW/HP	15/20	30/40	45/60	
Discharge Volume	Nm³/min	1.25	2.5	3.75	
Working Pressure	Bar(kg/c)	30	30	30	
Overall Dimensions	Length	mm	1650	2700	
	Width	mm	800	1800	1200
	Height	mm	1200	1200	1200

Specification Subject To Change Without Notice In Advance.

Vertical Piston Compressor

- Portable design
- Large air displacement
- space saving
- Plug in and use



Technical Data Sheet

Model		EV51V40	EV51V90	EV65V227	ET80V227	ET100V1000	ET120V1000	HET80V227	HET100V1000	HET120V1000
Bare Pump	Bore(mm) x Cylinder.Nos	51x1	51x2	65x2	80x3	100x3	120x3	80x2/65x1	100x2/75x1	120x2/90x1
	Max.RPM	1400	1200	1200	950	750	700	950	900	800
Motor	KW/HP	1.5/2.0	1.5/2.0	2.2/3.0	5.5/7.5	7.5/10	11/15	5.5/7.5	7.5/10	11/15
Working Pressure	kg/cm²	8	8	8	8	8	8	12.5	12.5	12.5
	PSI	116	116	116	116	116	116	174	174	174
Displacement	L/min	90	210	280	960	1360	1800	580	900	1360
	CFM	3.2	7.4	9.9	33.9	47.7	63.6	20.5	31.8	48.1
Tank Capacity	Lit	40	90	227	227	1000	1000	227	1000	1000

Specification Subject To Change Without Notice In Advance.

Gasoline Drive Piston Compressor

- Portable design
- Easy to use outdoor
- Easy to transport



Technical Data Sheet

Model		EV65G75	EV70G90	HET70G113	HET80G113	HET80G227	HEV90G113	HET90G113	HET90G227
Bare Pump	Bore(mm) x Cylinder.Nos	65x2	65x2	65x2/51x1	80x2/65x1	80x2/65x1	90x1/65x1	90x2/65x1	90x2/65x1
	Max.RPM	1200	1200	1000	950	950	950	950	950
Gasoline Engine	HP	5.5	6.5	8	11	11	11	13	13
Working Pressure	kg/cm²	8	8	12.5	12.5	12.5	12.5	12.5	12.5
	PSI	116	116	174	174	174	174	174	174
Displacement	L/min	280	360	400	580	580	580	720	720
	CFM	9.9	12.7	14.1	20.5	20.5	20.5	25.5	25.5
Tank Capacity	Lit	75	90	113	113	227	113	113	227

Specification Subject To Change Without Notice In Advance.

Post Treatment Equipment

Refrigeration Air Dryer

Condenser The condenser using copper fin has a high heat transfer efficiency to increase the degree of super cooling and refrigerating capacity.

Refrigerant Compressor International brand compressors with super high energy efficiencies and excellent reliability which guarantee the preeminent performance of refrigerant dryers.

Electric Drain Valve Electric timed drainer is installed with anti-blocking device to prevent any blocking in the drainer.



Technical Data Sheet

Model	ED-10FC/HFC	ED-20FC/HFC	ED-30FC/HFC	ED-50FC/HFC	ED-60FC/HFC	ED-75FC/HFC	ED-100FC/HFC	ED-125FC/HFC	ED-150FC/HFC	
Air processing capacity	Nm ³ /min	1.5	2.8	4.0	7.0	9.0	11.0	14.0	18.0	23.0
	SCFM	53	98	140	245	315	385	490	630	805
Electricity consumption	Kw	0.64/0.63	0.8/0.9	0.97/1.0	1.38/1.52	1.89/1.99	2.2/2.33	2.8/3.1	3.25/3.55	4.15/4.68
Nozzle size		G3/4"	G1"	G1-1/2"	G1-1/2"	G2"	G2"	G2"	DN50	DN65
Dimension	Length mm	720	720/720	720/720	720/800	720/900	720/1100	780/1250	910/1410	970/1580
	Width mm	500	550/550	600/600	650/650	680/680	680/680	680/680	800/800	850/850
	Height mm	741	741/1051	831/1051	921/1121	1001/1069	1051/1250	1151/1352	1251/1372	1361/1481
Weight	KG	55/69	70/100	80/110	95/124	105/154	120/180	145/204	162/264	224/334
Power		220V/50HZ, 60HZ/1PHASE						380V/50HZ/3PHASE		
Service Conditions		Air inlet temperature 5-45°C, Working pressure 0.4-1.0Mpa, Ambient temperature 2-40°C/ Air inlet temperature 5-80°C, Working pressure 0.4-1.0Mpa, Ambient temperature 2-40°C								
Dew Point Temperature		Pressure dew point 2-10°C								

Model	ED-200FC/HFC	ED-250FC/HFC	ED-300FC/HFC	ED-350FC/HFC	ED-400FC/HFC	ED-500FC/HFC	ED-550FC/HFC	ED-600FC/HFC	
Air processing capacity	Nm ³ /min	28.0	34.0	39.0	45.0	53.0	67.0	80.0	90.0
	SCFM	980	1190	1365	1575	1855	2345	2825	3150
Electricity consumption	Kw	5.3/5.83	6.17/7.16	9.1/10.5	11.1/11.5	12.55/13.67	14.17/14.5	24/25.6	25/26.5
Nozzle size		DN80	DN80	DN100	DN100	DN100	DN125	DN125	DN125
Dimension	Length mm	1190/1695	1240/1890	1290/2030	1500/2180	1580/2380	1662/1980	1800/2800	1800/2900
	Width mm	900/900	950/950	1000/950	1050/1000	1100/1010	1250/1250	1300/1430	1300/1500
	Height mm	1381/1601	1481/1701	1480/1711	1480/1700	1512/1730	1600/1880	1812/2400	1812/2400
Weight	KG	254/382	298/445	352/535	474/641	550/760	620/890	750/940	780/980
Power		380V/50HZ/3PHASE							
Service Conditions		Air inlet temperature 5-45°C, Working pressure 0.4-1.0Mpa, Ambient temperature 2-40°C/ Air inlet temperature 5-80°C, Working pressure 0.4-1.0Mpa, Ambient temperature 2-40°C							
Dew Point Temperature		Pressure dew point 2-10°C							

Specification Subject To Change Without Notice In Advance.



Adsorption Air Dryer

Technical Data Sheet

Model	ED-5X	ED-10X	ED-20X	ED-30X	ED-50X	ED-75X	ED-100X	ED-125X	ED-150X	ED-200X	ED-250X	ED-300X	
Air processing capacity	Nm ³ /min	0.8	1.5	3.0	4.0	7.0	12.0	15.0	18.0	22.0	30.0	39.0	
	SCFM	28	52.5	105	140	245	420	525	630	770	1050	1540	
Nozzle size	inch	PT3/4"	PT1"	PT1"	PT1 1/4"	PT1 1/2"	PT2"	DN65	DN65	DN65	DN80	DN80	DN100
Dimension	Length mm	630	680	800	880	930	1130	1230	1230	1340	1590	1900	1970
	Width mm	305	450	535	550	620	640	800	800	800	950	850	1010
	Height mm	1280	1645	1400	1580	1871	2085	1880	2245	2426	2585	2800	2330
Weight	KG	85	125	180	254	354	580	664	976	1150	1420	1500	1900
Power		220V/50HZ/1PHASE											
Refrigerant		Alumina, molecular sieve											
Service Conditions		Intake temperature ≤45°C, working pressure 0.4-1.0MPa											
Dew Point Temperature		Pressure dew point -40°C											

Model	Air processing capacity (m ³ /min)	Air processing capacity SCFM	Electricity consumption (kW/H)	Nozzle size (inch)	Power	Weight (kg)	Overall Dimensions (L W H mm)
FD-15	1.5	53.0	0.62	G3/4"	1PH-220V/50HZ	58	720X500X741
FD-30	2.8	98	0.8	G1"	1PH-220V/50HZ	73	720X550X741
FD-40	4	140	0.97	G1 1/2"	1PH-220V/50HZ	83	720X600X831
FD-70	7	245	1.55	G1 1/2"	1PH-220V/50HZ	98	720X650X921
FD-90	9	315	2.1	G2"	1PH-220V/50HZ	108	720X680X1001
FD-110	11	385	2.62	G2"	1PH-220V/50HZ	124	720X680X1051
FD-140	14	490	2.5	G2"	3PH-380V/50HZ	150	780X680X1151
FD-180	18	630	3.6	DN50	3PH-380V/50HZ	177	910X800X1251
FD-230	23	805	5.2	DN65	3PH-380V/50HZ	250	910X850X1361
FD-280	28	980	6.0	DN80	3PH-380V/50HZ	270	1190X900X1381
FD-340	34	1190	7.2	DN80	3PH-380V/50HZ	310	1240X950X1481
FD-390	39	1365	8.9	DN100	3PH-380V/50HZ	370	1290X1000X1531
FD-450	45	1575	11.6	DN100	3PH-380V/50HZ	500	1490X1050X1562
FD-530	53	1855	13.1	DN100	3PH-380V/50HZ	580	1580X1100X1662
FD-670	67	2345	15.3	DN125	3PH-380V/50HZ	661	1600X1250X1600
FD-800	80	2825	24	DN125	3PH-380V/50HZ	780	1800X1300X1812
FD-900	90	3150	25	DN125	3PH-380V/50HZ	800	1800X1300X1812

Specification Subject To Change Without Notice In Advance.

Post Treatment Equipment

Water Separator

It is an economic, energy saving and perdurable compressed air treatment system which can be used at least 5 years to remove water, oil ,dust and the other impurity.



Technical Data Sheet

Model	Compressor Using	Handling Volume	Working Pressure	Dehumi-diffied Rate	Oil Dispose Rate	Filtration Dification
	HP/KW	m3/min	Mpa			um
EL-200	2/1.5	0.1-0.48	0.8	99%	99%	0.1
EL-300	5/4	0.36-0.67	0.8	99%	99%	0.1
EL-500	10/7.5	0.48-1.56	0.8	99%	99%	0.1
EL-600	20/15	1.5-2.0	0.8	99%	99%	0.1
EL-800	30/22	2.0-3.0	0.8	99%	99%	0.1
HEL-300	5/4	0.36-0.67	1.25	99%	99%	0.1
HEL-500	10/7.5	0.48-1.56	1.25	99%	99%	0.1

Specification Subject To Change Without Notice In Advance.



High Precision Filter

To achieve the high precision filtration quality, it adopting multi layer filter materials including borosilicate fibre, fiberglass, activated carbon fibre, unwoven fabric layer and stainless steel protecting net to provide the real oil free, non-impurity, high quality compressed air.

Technical Data Sheet

GRADE	AO	AA	AX	ACS
Suitable for	Air dryer pre-filter	Air dryer post-filter	Air dryer post filter	Special for the high precision filtration
Material	Multi layer fiberglass,etc	Multi layer fiberglass,etc	Multi layer fiberglass,etc	Activated carbon
Impurity remove	1µm	0.01µm	0.01µm	0.01µm
Oil contain	1PPM	0.01PPM	0.001PPM	0.003PPM
Max. Pressure	16kg/cm²	16kg/cm²	16kg/cm²	16kg/cm²
Max. Temp.	80°C	80°C	80°C	80°C
Pressure Gap	0.09kg/cm²	0.09kg/cm²	0.09kg/cm²	0.09kg/cm²
Max. Gap	0.35kg/cm²	0.35kg/cm²	0.35kg/cm²	0.35kg/cm²

Specification Subject To Change Without Notice In Advance.

Air Receiver

Strictly in accordance with the national design standards, we commit to produce the best and safest pressure air tank which has passed strictest tests .

All the pressure vessels manufactured by our company are under supervision of Xiamen Special Equipment Research Institute, therefore you can totally trust the qualities and safety of our products.



Technical Data Sheet

Volume (m3)	Pressure (MPa)	Deigned temperature (°C)	Inner diameter of vessel Φ(mm)	Total Height (mm)	Air inlet		Air outlet		Seat (mm)		Drain valve
					Dimension	Height (mm)	Dimension	Height (mm)	Bore diameter Φ	Diameter Φ	
0.3	0.8	150	500	1605	Rp1	640	Rp1	1210	N/A	400	Rp1/2"
	1.0	150									
	1.3	150									
0.5	0.8	150	600	2115	Rp11/2"	650	Rp11/2"	1850	N/A	563	Rp1/2"
	1.0	150									
	1.3	150									
0.6	0.8	150	650	2250	Rp11/2"	680	Rp11/2"	1680	24	472	Rp1/2"
	1.0	150									
	1.3	150									
1.0	0.8	150	800	2325	Rp11/2"	726	Rp11/2"	1720	24	560	Rp1/2"
	1.0	150									
	1.3	150									
1.5	0.8	150	1000	2450	Rp2	800	Rp2	1800	24	700	Rp3/4"
	1.0	150									
	1.3	150									
2.0	0.8	150	1000	3000	Rp2	806	Rp2	2206	24	700	Rp3/4"
	1.0	150									
	1.3	150									
3.0	0.8	150	1200	3090	DN80	830	DN80	2330	24	840	Rp1"
	1.0	150									
	1.3	150									

Specification Subject To Change Without Notice In Advance.

JAGUAR Screw Air Compressor Station

