JAGUAR

Technology Leader of PM Screw Compressor

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

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JAGUAR

Air Compressor

Product Manual

About As

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 of 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 screw machines exceed the grade one of national level of energy efficiency and mostly, maintain the world's leading level of energy efficiency in two stage compression series. With strong research and development capability, well-qualified professional team, advanced testing equipment and scientific management system, more than 800 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

R&D Ability

As a high-tech enterprise, East Asia Machinery has a strong R&D capability. In the past 30 years, East Asia Machinery has focused on deepening product reform and promoting enterprise technological innovation. The company has 127 patents for invention, utility model and appearance, and has independently developed more than 60 JAGUAR lines. In addition, the company has established cooperative relations with a number of colleges and universities, making full use of the talents and technical advantages of universities and colleges, and establishing a technological innovation system with enterprises as the main body and combining production, university and research. Provide strong scientific and technological support for the sustainable development of the company.

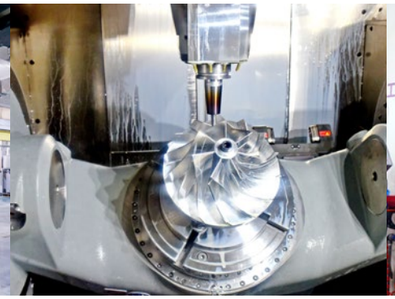
Lean Manufacture

EAST ASIA MACHINERY INDUSTRIAL CO., LTD. has a professional automated intelligent production workshop, leading the industry to introduce Germany DMG MORI horizontal machining center, the United Kingdom HOLROYD screw grinding machine, Germany TRUMPF laser cutting machine, Italy imported salvagnini automatic bending machine and Germany ZEISS CMM, for the manufacture of air compressor to provide strict and stable production and testing process, to provide a reliable guarantee for product quality.

HOLROYD High-precision machining center

High-precision machining center

HERMLE five-axis machining center



Spray machining center

Three-coordinate measuring center

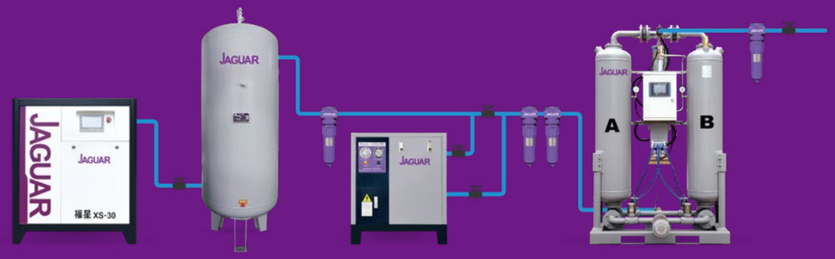
Air end assembly center

R&D test center

Air end assembly center

Terminal Customer

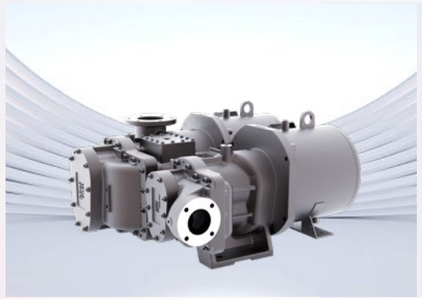
Jaguar permanent magnet screw machine is now all over the industrial fields, energy industry, textile manufacturing, medical industry, food industry, machinery manufacturing industry, ceramics Industry, metal smelting, chemical manufacturing, transportation sewage treatment, biological fermentation, laser cutting industry, automobile maintenance and other industries.



ZLS-2iC 30~350HP

Screw Air Compressor

Two-stage Compression PM VSD Screw Air Compressor



01 Compact structure

Excellent two stage air compression
Full intelligent double frequency conversion drive control
Powerful cooling system

02 Advantages of two-stage compression technology

10% energy saving than ordinary two stage compression
30% energy saving than ordinary one stage compression
50% energy saving than traditional belt drive

Advantage of dual motor & dual air end

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

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	15.0	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		℃	Air cooling≤environmental temperature +10℃ ,water cooling≤40℃						
Volume of lubricating oil		L	18	25	25	45	54	55	70
Noise		dB(A)	63±2	64±2	64±2	65±2	70±3	71±2	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	2900
	Width	mm	1175	1250	1250	1380	1380	1400	1750
	Height	mm	1320	1480	1480	1600	1600	1700	1800
Weight		kg	660	800	950	1100	1420	1453	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		℃	Air cooling≤environmental temperature +10℃ ,water cooling≤40℃						
Volume of lubricating oil		L	70	100	100	120	170	170	190
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	2900	3300	3900	3900	4300	4300	4300
	Width	mm	1750	1900	2100	2100	2400	2400	2400
	Height	mm	1800	2050	2050	2050	2200	2200	2200
Weight		kg	3000	4000	4800	5400	6500	6500	6900
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.

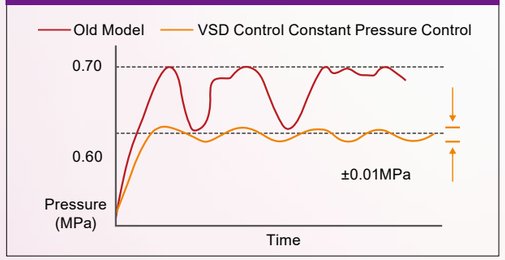
ZLS-Hi+ 07~350HP

Screw Air Compressor

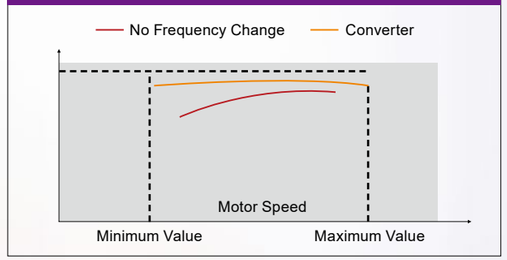
Low RPM Permanent Magnet VSD Screw Air Compressor

- 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

Constant Pressure Control Achieves Energy Saving Effect



Efficiency of Motor / Inverter



PM VSD Energy saving up to 50%

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		℃	Air cooling≤environmental temperature +10℃ ,water cooling≤40℃							
Volume of lubricating oil		L	9	11	11	12	12	22	22	25
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	1050
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	42.3
		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		℃	Air cooling≤environmental temperature +10℃ ,water cooling≤40℃							
Volume of lubricating oil		L	48	53	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	3600	3950
	Width	mm	1250	1400	1450	1750	1900	1900	2100	2300
	Height	mm	1480	1600	1630	1920	2050	2050	2050	2200
Weight		kg	1190	1300	1500	2400	3500	3700	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.
- IE5 permanent magnet motor running speed changes by site requirement.
- IP65 protection level is assured by liquid cooling enclosure motor housing.

All series using IE5 high efficiency motor

XS series all use IE5 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.

All new design High Efficient High Quality

Technical Data Sheet

Model	Discharging Pressure (MPa)	Discharging Volume (m^3/min)	Power (kW/HP)	Volume of lubricating oil (L)	Noise dB(A)	Air Outlet Diameter (inch)	Weight (kg)	Overall Dimensions (L×W×Hmm)
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"	365	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	1170x900x1300
	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.

LS-10~50HP

Screw Air Compressor

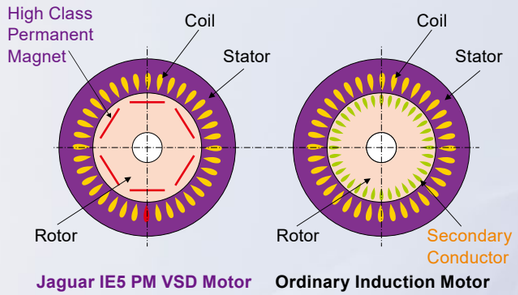
JAGUAR screw Air Compressor with built-in Dryer and Filter

- 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 IE5 permanent magnet motor

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

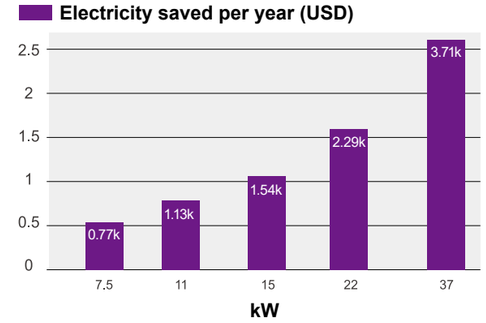


Jaguar IE5 PM VSD Motor　　Ordinary Induction Motor

Benefits of using IE5 PM VSD motor

Comparing with IE3 motor air compressor, IE5 PM VSD air compressor can save USD3,710 per year. Great benefit.

*Example for same model compressor but IE3 and IE5 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 (L×W×Hmm)
LS-10P	0.8	1.1	7.5/10	61±2	260	416	1500x750x1640
	1	0.95					
	1.25	0.85					
	1.5	0.75					
LS-15P	0.8	1.7	11/15	61±2	380	500	1750x750x1700
	1	1.5					
	1.25	1.3					
	1.5	1.1					
LS-20P	0.8	2.4	15/20	62±2	380	560	1750x750x1700
	1	2.0					
	1.25	1.7					
	1.5	1.5					
LS-30P	0.8	3.8	22/30	64±2	600	710	1890x820x1920
	1	3.1					
	1.25	2.5					
	1.5	2.3					
LS-50P	0.8	6.3	37/50	64±2	600	870	2000x900x1970
	1	5.6					
	1.25	5.1					
	1.5	4.2					

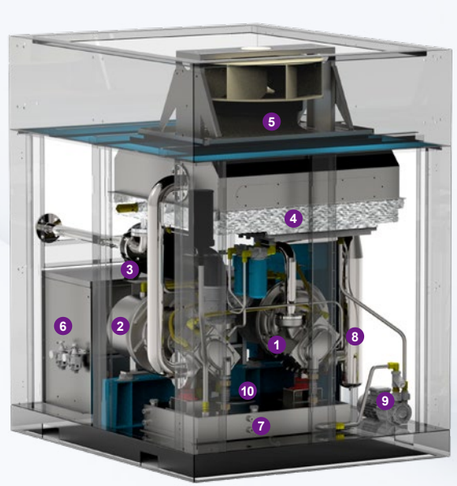
Specification Subject To Change Without Notice In Advance.

ZS-75~350HP

Dry Oil-free Screw Air Compressor

JAGUAR Oil-free Screw Air Compressor use two-stage compression, permanent magnet frequency conversion configuration, the air-end and the whole machine were completely independent researched and developed.
The main engine uses reliable multistage sealing shaft sealing system, so that no lubricating oil is involved in the whole process of air compression, and the output of compressed air is pure and oil-free.
The unique sound insulation design of air inlet and soundproof design of box board reduces the machine noise to a minimum. It is especially suitable for medical, pharmaceutical, food, petrochemical, electronics, national defense scientific research and other industries that need high quality oil-free compressed air.

CLASS 0 Certification | High Efficiency | High Reliability | Low Cost



Air cooling

1. Screw Air-end
2. Permanent Magnet Motor
3. Air Filter
4. Cooling System
5. Centrifugal Fan
6. Air inlet noise reduction system of the whole machine
7. Integrated lubricating oil+ Cooling water tank
8. Intermediate cooling water remover
9. Lubricating oil pump
10. Cooling water pump

Technical Data Sheet

Model	Discharging Pressure (MPa)	Discharging Volume (m^3/min)	Power (kW)	Type of Cooling	Weight (kg)	Overall Dimensions (LxWxHmm)
ZS-75	0.8	8.2	55	air-cooling	2580	2125x1725x2200
	1.0	7.5				
ZS-100	0.8	11.5	75	air-cooling	2680	2125x1725x2200
	1.0	10.8				
ZS-125	0.8	14	90	water-cooling	3140	2825x2175x1800
	1.0	12.9				
ZS-150	0.8	18.1	110	water-cooling	3760	2825x2175x1800
	1.0	16.8				
ZS-175	0.8	20.4	132	water-cooling	5000	3125x2125x1800
	1.0	18.8				
ZS-200	0.8	26.2	160	water-cooling	5800	3125x2125x1800
	1.0	24				
ZS-250	0.8	29.1	185	water-cooling	6300	3125x2125x1800
	1.0	27.5				
ZS-300	0.8	35.6	220	water-cooling	6800	3125x2225x2000
	1.0	32.4				
ZS-350	0.8	40.5	250	water-cooling	7300	3125x2225x2000
	1.0	36.8				

Specification Subject To Change Without Notice In Advance.

VC05~100HP

PM Vacuum Pump

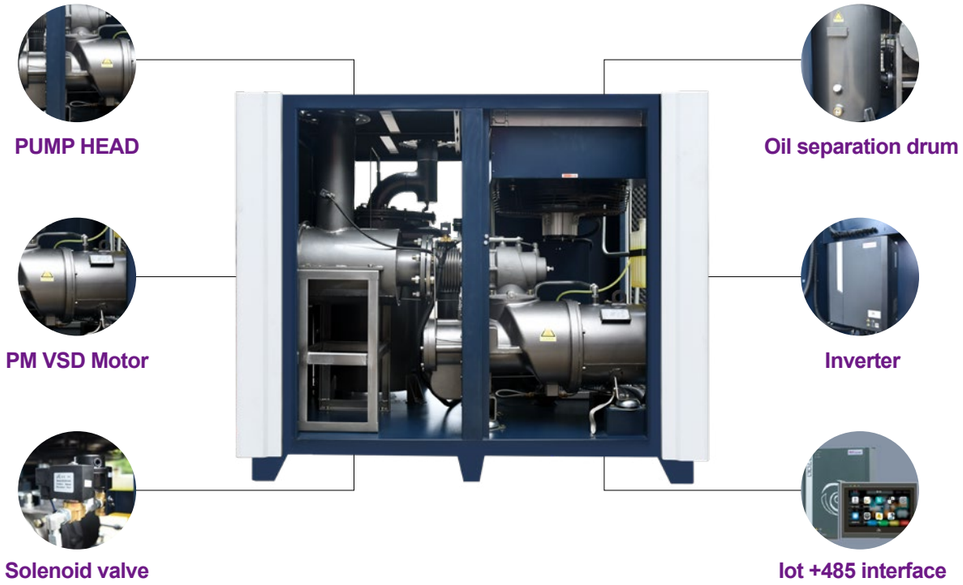
JAGUAR PM screw Vacuum Pump

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 IE5 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 IE5 PM Motor



Technical Data Sheet

Model	Power (kW)	Pumping Speed (m^3/h)	Final Vacuum (Pa)	Inlet/Outlet (DN)	Weight (kg)	Dimension (LxWxHmm)
VC-05	4	240	≤35	2"/2"	405	1200x1150x1100
VC-07	5.5	468	≤35	DN80/DN65	550	1600x1150x1240
VC-10	7.5	588	≤35	DN80/DN65	550	1600x1150x1240
VC-15	11	780	≤35	DN80/DN65	650	1600x1150x1240
VC-20	15	876	≤35	DN80/DN65	720	1600x1150x1240
VC-30	22	1320	≤35	DN150/DN100	1050	1800x1350x1480
VC-40	30	1620	≤35	DN150/DN100	1850	2150x1600x1700
VC-50	37	1812	≤35	DN150/DN100	2050	2150x1600x1700
VC-60	45	2820	≤35	DN150/DN150	2240	2500x1750x1800
VC-75	55	3300	≤35	DN200/DN150	3400	2800x2000x1800
VC-100	75	4440	≤35	DN200/DN150	4200	2950x2300x1950
VC-125	90	5400	≤35	DN200/DN150	5500	3650x2400x2000
VC-150	110	6600	≤35	DN200/DN150	6000	4150x2600x2000
VC-175	132	7920	≤35	DN200/DN150	6200	4150x2600x2000

Specification Subject To Change Without Notice In Advance.

VCS-15~200HP

Jaguar oil-free screw vacuum pump

JAGUAR PM screw Vacuum Pump

Homemade

The new generation of patented line, the rotor and the shell sealing effect reaches the industry-leading level, the volume efficiency of more than 85%, the main engine shell adopts water jacket structure, good cooling effect, can reduce the gas expansion during the suction process, closer to the isothermal compression process, and then improve the compression efficiency of nearly 7%. The ultra-high unit operation efficiency saves 30% energy consumption compared to traditional vacuum pumps.

Pure oil free

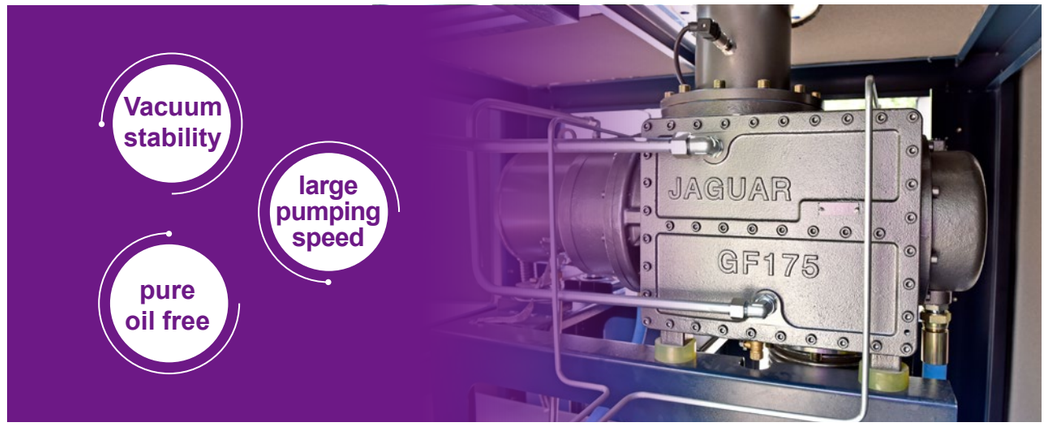
High reliability labyrinth seal design is adopted to avoid the pollution of the suction chamber by the lubricating oil, the whole process of the suction is not involved in the lubricating oil, and the exhaust is pollution-free.

Intelligent control

The permanent magnet frequency conversion control system is adopted, the whole system is equipped with the standard iot function to check the operating status of the vacuum pump at any time, and the sensitive gas control will not cause any waste.

Low operating cost

Oil-free main engine, no need to replace the vacuum oil of the compression chamber; Unique stainless steel air filter element, can be cleaned and reused, without external cooling water, more environmentally friendly.



Technical Data Sheet

Model	Power (kW)	Pumping Speed (m³/h)	Final Vacuum (kPa)	Noise dB(A)	Ambient Temperature (℃)	Air Inlet Temperature (℃)	Inlet/Outlet (DN)	Weight (kg)	Dimension (LxWxH)mm
VCS-15	11	680	-10~-80	74±2	≤46	≤55	DN150	1350	2050x1400x1700
VCS-20	15	880		76±2			DN150	1450	2050x1400x1700
VCS-30	22	1360		78±2			DN150	1780	2050x1500x1700
VCS-40	30	1870		79±2			DN150	1800	2050x1500x1700
VCS-50	37	2420		81±2			DN150	1850	2050x1500x1700
VCS-60	45	3080		83±2			DN200/ DN150	2350	2300x1700x1800
VCS-75	55	3650		84±2			DN200/ DN150	2400	2300x1700x1800
VCS-100	75	4980		87±2			DN200	3550	2500x1900x2050
VCS-125	90	6010		89±2			DN200	3600	2500x1900x2050
VCS-150	110	7350		90±2			DN300/ DN250	7500	3350x2850x2050
VCS-175	132	9300		92±2			DN300/ DN250	7600	3350x2850x2050
VCS-200	160	11800		95±2			DN300/ DN250	7700	3350x2850x2050

Specification Subject To Change Without Notice In Advance.

ZLS-Di 30~200HP

Low Pressure Type

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

0MPa → compress → 0.7MPa → decompress → 0.5MPa

Waste of Energy　Waste of Energy

PM VSD Compressor

0MPa → compress → 0.5MPa

Direct Compress to 0.5Mpa no waste of Energy

Can Save Up to 50% Energy

special design for textil industry

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.

Technical Data Sheet

Model		MPa	ZLS30Di	ZLS40Di	ZLS50Di	ZLS60Di	ZLS75Di	ZLS100Di	ZLS125Di	ZLS150Di	ZLS175Di	ZLS200Di
Max air displacement/ discharge pressure (m3/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		℃	Air cooling≤environmental temperature +10℃ ,water cooling≤40℃									
Noise		dB(A)	63±2	64±2	64±2	65±2	70±2	71±2	73±2	74±2	74±2	75±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
ZLS30Di (0.20/0.25/0.30/0.35)	1500x1040x1400	2"
ZLS30Di (0.40/0.45/0.50)	1350x1000x1400	1-1/2"
ZLS40Di (0.20/0.25/0.30/0.35)	1550x1130x1370	1-1/2"
ZLS40Di (0.40/0.45/0.50)	1400x920x1350	
ZLS50Di (0.20/0.25/0.30/0.35)	1850x1400x1600	DN100
ZLS50Di (0.40/0.45/0.50)	1450x1150x1500	1-1/2"
ZLS60Di (0.20/0.25/0.30/0.35)	1850x1400x1600	DN100
ZLS60Di (0.40/0.45/0.50)	1700x1110x1480	2"
ZLS75Di (0.20/0.25/0.30/0.35)	2445x1495x1950	DN100
ZLS75Di (0.40/0.45/0.50)	1650x1350x1800	DN65

Model	Dimension(mm)	Air Outlet Diameter
ZLS100Di (0.20/0.25/0.30/0.35)	2900x1900x2100	DN125
ZLS100Di (0.40/0.45/0.50)	2400x1750x1900	DN65
ZLS125Di (0.20/0.25/0.30/0.35)	3150x2100x2250	DN150
ZLS125Di (0.40/0.45/0.50)	3100x2000x2050	DN80
ZLS150Di (0.20/0.25/0.30/0.35)	3400x2250x2335	DN150
ZLS150Di (0.40/0.45/0.50)	3000x2000x2050	DN100
ZLS175Di (0.20/0.25/0.30/0.35)	3400x2250x2335	DN150
ZLS175Di (0.40/0.45/0.50)	3200x2150x2050	DN100
ZLS200Di (0.20/0.25/0.30/0.35)	3400x2250x2335	DN250
ZLS200Di (0.40/0.45/0.50)	3500x2400x2200	DN100

Specification Subject To Change Without Notice In Advance.

ZLS10~350HP

Direct Drive Screw Air Compressor

Technical Data Sheet

Model		MPa	ZLS10	ZLS15	ZLS20	ZLS30	ZLS40	ZLS50	ZLS60	ZLS75
Max air displacement/ discharge pressure (m³/min)		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
		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		℃	Air cooling≤environmental temperature +10℃ ,water cooling≤40℃							
Volume of lubricating oil		L	6	11	11	11	15	19	22	25
Noise		dB(A)	66±2	66±2	68±2	72±2	72±2	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- △ start							
	Voltage		220V/380V/415V 50Hz/60Hz							
Dimension	Length	mm	1050	1200	1200	1350	1400	1500	1550	1600
	Width	mm	670	820	820	900	900	900	1050	1150
	Height	mm	950	1150	1150	1200	1300	1350	1450	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"	1-1/2"	1-1/2"	2"
Eff.STD.			GB/T 19153-2019 First Class							

Model		MPa	ZLS100	ZLS125	ZLS150	ZLS175	ZLS200	ZLS250	ZLS300	ZLS350
Max air displacement/ discharge pressure (m³/min)		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
		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		℃	Air cooling≤environmental temperature +10℃ ,water cooling≤40℃							
Volume of lubricating oil		L	44	60	70	94	94	135	165	185
Noise		dB(A)	75	75	77	77	79	79	80	80
Motor	Power	kW/HP	75/100	90/125	110/150	132/175	160/200	185/250	220/300	250/350
	Start mode		Y- △ start							
	Voltage		220V/380V/415V 50Hz/60Hz							
Dimension	Length	mm	1910	2150	2500	3000	3000	3000	3950	3950
	Width	mm	1150	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	DN100
Eff.STD.			GB/T 19153-2019 First Class							

Specification Subject To Change Without Notice In Advance.

Piston Air Compressor Series

Air Cooled Piston Compressor

(One Stage & Two Stage)

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	Nm³/min	0.09	0.21	0.28	0.42
Working Pressure	bar(kg/cm²)	8	8	8	8
Tank capacity	L	29	60	95	110
Overall Dimensions	Length mm	670	920	1100	1260
	Width mm	320	440	480	450
	Height mm	660	710	780	825

Model		EV-80	EV-90	ET-80	ET-90	ET-100
Power	kW/HP	4/5.5	5.5/7.5	5.5/7.5	7.5/10	7.5/10
Discharge Volume	Nm³/min	0.52	0.67	0.96	1.08	1.36
Working Pressure	bar(kg/cm²)	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	Nm³/min	1.67	1.8	2.12	2.5	2.56	1.36	1.36	2.8	3
Working Pressure	bar(kg/cm²)	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	750	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	Nm³/min	0.36	0.58	0.72	0.9	1.26	1.36
Working Pressure	bar(kg/cm²)	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	1260	1510	1510	1500	1500	1700
	Width mm	450	620	620	660	660	750
	Height mm	825	1090	1090	1220	1200	1400

Specification Subject To Change Without Notice In Advance.

Oil-free Piston Air Compressor

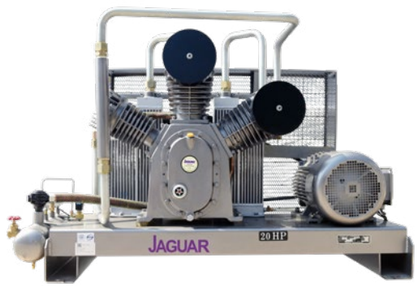
- 100% completely oil-free, providing clean compressed air. Self lubrication piston ring and sealing bearing, no oil in crankcase.
- The entire process of compression is no oil, so the resulting compressed air is naturally 100% oil-free.
- Widely used in medical, food, micro-electronics, laser and other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

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/cm^2)	7	7	7	7	7
Tank capacity		L	160	160	260	300	300
Overall Dimensions	Length	mm	1460	1460	1500	1300	1300
	Width	mm	560	600	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



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/cm^2)	30	30	30
Overall Dimensions	Length	mm	1650	1750	2700
	Width	mm	800	1740	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

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
Power	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/cm^2	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 Capcity	L	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

Model		EV51V40	EV51V90	EV65V227	ET80V227	ET100V1000	ET120V1000	HET80V227	HET100V1000
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/cm^2	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 Capcity	L	75	90	113	113	227	113	113	227

Specification Subject To Change Without Notice In Advance.

Post Treatment Equipment

Refrigerated Air Dryer

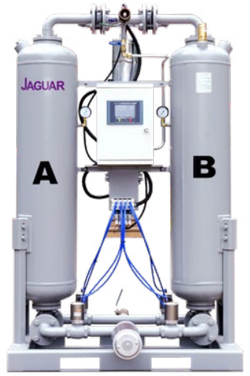
- **Condenser**
  The condenser using copper fin has a high heat transfer efficience to increase the degree of super cooling and refrigerating capacity.
- **Refrigerant Compressor**
  International brand compressors with super high energy efficiencies and excellent reliability which guarantee the preeminent performance of refrigerant dryers.
- **Electric Drain Valve**
  Electric timed drainer is installed with anti-blocking device to prevent any blocking in the drainer.

Model		ED-10FC	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	Nm³/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	0.8/0.9	0.97/1.0	1.38/1.52	1.89/1.99	2.2/2.33	2.8/3.1	4.06/4.42	4.9/5.26
Nozzle size		G3/4"	G1"	G1-1/2"	G1-1/2"	G2"	G2"	G2"	DN65/DN50	DN80/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	1001/1250	1051/1250	1151/1350	1251/1372	1361/1481
Weight	kg	55	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 temperature5-45°C , Working pressure0.4-1.0Mpa,Ambient temperature2-40°C / Air inlet temperature5-80°C , Working pressure0.4-1.0Mpa,Ambient temperature2-40°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
Air processing capacity	Nm³/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	5.79/6.31	5.98/6.53	9.6/10.15	11.62/11.4	12.31/13.24	13.53/14.5	19.2/20.5	23.9
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	1662/2220	1862
	Width mm	900/900	950/950	1000/950	1050/1000	1100/1010	1250/1250	1400/1390	1400
	Height mm	1381/1601	1481/1701	1531/1711	1480/1700	1512/1730	1500/1880	1812/2080	1812
Weight	kg	254/382	298/445	352/535	474/641	550/760	620/890	750/940	780
Power		380V/50HZ/3PHASE							
Service Conditions		Air inlet temperature5-45°C , Working pressure0.4-1.0Mpa,Ambient temperature2-40°C / Air inlet temperature5-80°C , Working pressure0.4-1.0Mpa,Ambient temperature2-40°C							
Dew Point Temperature		Pressure dew point 2-10°C							

Specification Subject To Change Without Notice In Advance.

Adsorption Air Dryer



Environment-friendly Refrigerated air dryer

Adsorption Air Dryer

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	Nm³/min	0.8	1.5	3.0	4.0	7.0	12.0	15.0	18.0	22.0	30.0	35.0	39.0
	SCFM	28	52.5	105	140	245	420	525	630	770	1050	1225	1540
Nozzle size	inch	PT3/4"	PT1"	PT1"	PT11/4"	PT11/2"	PT2"	DN65	DN65	DN65	DN80	DN80	DN100
Dimension	Length mm	630	680	880	880	930	1130	1230	1230	1340	1590	1900	1970
	Width mm	305	450	400	550	620	640	800	800	800	950	850	1010
	Height mm	1280	1645	1430	1580	1871	2085	1880	2245	2426	2585	2800	2330
Weight	kg	85	125	185	254	354	580	664	750	930	1250	1500	1900
Power		220V/50HZ/1PHASE											
Refrigerant		Alumina											
Service Conditions		Intake temperature≤45°C , working pressure 0.4-1.0MPa											
Dew Point Temperature		Pressure dew point -20°C											

Environment-friendly Refrigerated air dryer

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×Hmm)
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	1.52	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	2.98	G2"	3PH-380V/50HZ	150	780X680X1151
FD-180	18	630	3.6	DN65	3PH-380V/50HZ	177	910X800X1251
FD-230	23	805	5.11	DN80	3PH-380V/50HZ	250	910X850X1361
FD-280	28	980	5.92	DN80	3PH-380V/50HZ	278	1190X900X1381
FD-340	34	1190	6.82	DN80	3PH-380V/50HZ	330	1240X950X1481
FD-390	39	1365	10.01	DN100	3PH-380V/50HZ	506	1290X1000X1531
FD-450	45	1575	11.3	DN100	3PH-380V/50HZ	544	1490X1050X1560
FD-530	53	1855	12.9	DN100	3PH-380V/50HZ	605	1580X1100X1662
FD-670	67	2345	14.6	DN125	3PH-380V/50HZ	661	1662X1250X1600
FD-800	80	2825	24	DN125	3PH-380V/50HZ	780	1800X1300X1812
FD-900	90	3150	25	DN125	3PH-380V/50HZ	800	1800X1300X1812

Note: 1.Refrigerant R410a 2.Air intake temperature 5-45℃ , working pressure 0.4-1.6MPa, ambient temperature 2-40℃ , dew point temperature: pressure dew point 2-10℃

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.

Model	Compressor Using (kW/HP)	Handling Volume (m^3/min)	Working Pressure (Mpa)	Dehumi-diffied Rate	Oil Dispose Rate	Filtration Difinition (um)
EL-200	1.5/2	0.1-0.48	0.8	99%	99%	0.1
EL-300	4/5	0.36-0.67	0.8	99%	99%	0.1
EL-500	7.5/10	0.48-1.56	0.8	99%	99%	0.1
EL-600	15/20	1.5-2.0	0.8	99%	99%	0.1
EL-800	22/30	2.0-3.0	0.8	99%	99%	0.1
HEL-300	4/5	0.36-0.67	1.25	99%	99%	0.1
HEL-500	7.5/10	0.48-1.56	1.25	99%	99%	0.1

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.

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

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 quality and safety of our products.

Volume	Pressure (MPa)	Deigned temperature (℃)	Inner diameter of vessel Φ(mm)	Totalh Height (mm)	Air inlet		Air outlet		Seat (mm)		Drain valve
					Dimension	Height (mm)	Dimension	Height (mm)	Dimension	Height (mm)	
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									

JAGUAR Screw Air Compressor Station