

捷豹JAGUAR | 东亚机械
永磁螺杆机技术领军者 | 股票代码301028.SZ

捷豹JAGUAR

捷豹® Permanent magnet screw machine technology leader

Ranked first in the Ministry of Industry and Information Technology's "Energy Efficiency Star" for four consecutive years



East Asia Machinery was
established in 1991 stock code 301028.SZ

Jaguar integrated screw machine

LS10~50HP

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Special air compressor station for automobile maintenance and laser cutting

LS10~50HP

Jaguar built-in cooler series



Permanent magnet variable frequency energy saving up to 50%

Compact structure, high reliability, longer life, high-efficiency precision filtration to ensure the purity of terminal gases



The unique design of Jaguar chiller screw integrated machine

- ▶ The control system is integrated and uses an integrated display and control machine to control the start and stop of the screw machine and chiller with one button, making the operation more convenient.
- ▶ It adopts Jaguar's original permanent magnet liquid-cooled integrated drive technology, which improves efficiency by 8% compared to conventional motor drive mode and has a protection level as high as IP65;
- ▶ The permanent magnet IPM motor adopts an 8-pole high-speed motor, and its energy-saving efficiency is 10% higher than that of an asynchronous motor.

TheentireseriesadoptsIE4superefficientmotors

The new LS series is equipped with an IE4 permanent magnet variable frequency ultra-high-efficiency motor.

The frequency motor uses rare earth material neodymium iron boron, and the permanent magnet variable frequency motor is constructed of permanent magnets.

A device that establishes an excitation magnetic field to achieve efficient conversion of electromechanical energy. It is closely related to the electrical excitation

Magnetic synchronous motors also rotate synchronously and are also called permanent magnet synchronous motors. Permanent magnet frequency conversion

Compared with electric excitation synchronous motors, the motor has ultra-high energy efficiency (up to IE4) and structure

Compact, small size, light weight and other characteristics.



IE4 permanent magnet variable frequency super efficient motor

Advantages of IE4 permanent magnet motor

It adopts permanent magnet frequency conversion that complies with the International Electrotechnical Commission standard IEC60034-30:2008

The motor has been certified by professional organizations, so consumers can buy it with confidence.

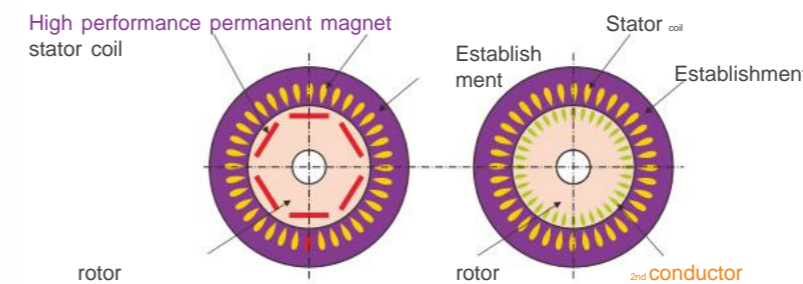
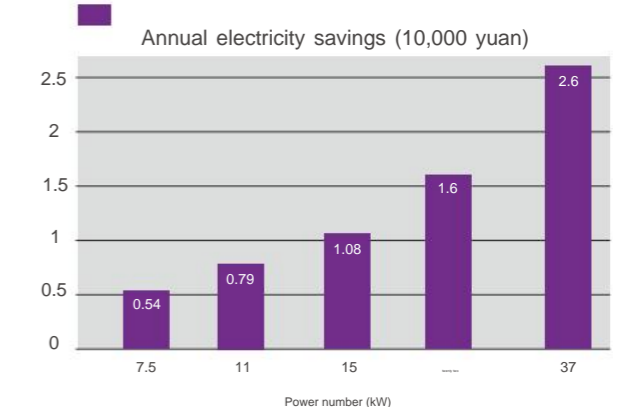
Using IE4 permanent magnet variable frequency motor to save energy

Compared with the old air compressor using IE1 motor, it uses IE4 permanent magnet variable frequency motor.

After that, it can save 26,000 yuan every year, which is a huge benefit.

Assuming 7200 hours of operation per year, 1kWH=1.0 yuan.

(Comparison data using the same model configuration and using different IE4 motors and IE1 motors)



Our company's IE4 permanent magnet variable frequency motor

Ordinary induction motor

Features of

LS10~50HP Jaguar integrated machine



01

Suspended coaxial direct-coupled one-piece structure

Suspended coaxial direct-coupled one-piece structure minimizes mechanical loss.

Guarantee motor life, improve transmission efficiency, compact design while minimizing

Occupies less area.



02

Jaguar patents liquid-cooled permanent magnet motor

Jaguar's unique technology development uses liquid (water oil) to cool the permanent magnet motor housing.

Ensure that the permanent magnet motor temperature is stable and never loses magnetism.



03

Integrated evaporator assembly

The aluminum heat exchanger is rust-proof and leak-proof, and its service life is greatly improved.

Super efficient heat exchange effect, pressure dew point reaches 2-10 degrees.



04

High efficiency oil removal filter

Adopt high-efficiency oil removal filter,

In the laser cutting industry that has extremely high oil content requirements,

Can effectively and stably produce, so that users have no worries



05

Long bearing life

Using heavy-duty bearings, the optimal one is selected according to the host operating conditions.

The bearing configuration improves the bearing capacity and ensures stable machine head operation.

Fixed, the life of the whole machine is greatly increased.

APPLICATION FIELD

Industrial application field

Jaguar built-in air cooler usage areas

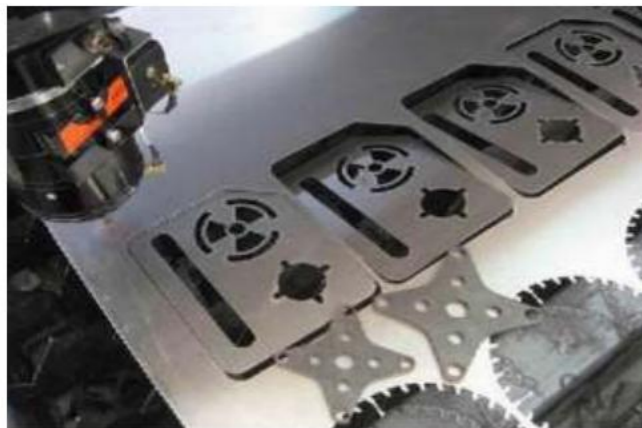
The compressed air working pressure required by the laser cutting and automobile maintenance industries requires 1.0-1.5MPa. However, these industries currently generally use screw machines,

An air compressor station system with gas storage tanks, refrigerators, and precision filters arranged separately. Traditional air compressor stations occupy a large area and are inconvenient to move, which undoubtedly increases the number of enterprises

of production costs. Therefore, Jaguar Air Compressor has customized a permanent magnet cooling screw integrated machine for these industries, which can directly output the air you need.

The permanent magnet screw chiller has many advantages such as large production capacity, energy saving, low noise, etc. It can save more than 50% of electricity bills compared with conventional models, and can be used for a long time.

It will save a huge amount of energy expenditure for enterprises and contribute to social energy conservation and emission reduction.



Laser cutting industry

The laser cutting industry uses air power as driving energy, so it uses the least electricity bill to drive the most

production lines, which can effectively reduce operating costs.

Book. At the same time, the quality of the air also affects the quality of the finished product. Jaguar Refrigeration

The screw integrated air compressor provides dry and clean high-quality compressed air.

Greatly improve the finished product yield rate and ensure high-quality products for your company.

Car maintenance industry

The automobile maintenance industry has very strict requirements on the floor space of air compressor stations. The

Jaguar cooling screw integrated air compressor is designed into an integrated system that combines the screw machine,

The gas storage tank, refrigerator and precision filter are integrated into one, with small size.

Convenient to move around. Greatly reduces air compressor usage for your business
Land area saves your business costs.



TECHNICAL PARAMETERSTechnical

parameters table LS10~50HP

model	Exhaust pressure	Displacement m ³ /min	power kW/HP	noise dB(A)	Gas tank L	weight Kg	Dimensions (LxWxHmm)
	MPa						
LS-10	0.8	1.1	7.5/10	61±2	260	416	1500X750X1640
	1	0.95					
	1.25	0.85					
	1.5	0.75					
LS-15	0.8	1.7	11/15	61±2	380	490	1750X750X1700
	1	1.5					
	1.25	1.3					
	1.5	1.1					
LS-20	0.8	2.4	15/20	62±2	380	522	1750X750X1700
	1	2.0					
	1.25	1.7					
	1.5	1.5					
LS-30	0.8	3.8	22/30	64±2	600	610	1890X820X1920
	1	3.1					
	1.25	2.5					
	1.5	2.3					
LS-50	0.8	6.3	37/50	64±2	600	800	2000X900X1970
	1	5.6					
	1.25	5.1					
	1.5	4.2					

Our company's products are under constant development and parameters are subject to change without prior notice.