



BLUE STORM series Permanent magnet frequency conversion

Innovation of industrial screw(7.5~75kw/10~100HP)



Blue storm, hard to refuse



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Ultimate Energy Saving
No Idle Waste
Run Quietly
Small Area Cover



High Efficient

Ultimate energy saving

Free air displacement 0-100% free switch with gas demand High efficiency motor efficiency of 96%, to the international IE4 efficiency level.



High Reliability

The system more simple design, with 30 years of experience and technology of our HUADE , the perfect integration of the latest technology low maintenance cost , less parts and longer working hours.



Super Quietly

Special air hose design reduces windage and reduces noise by 20%.

More efficient cooling fan, special fan shaped line, air volume increased by 15%.



Small Model

New appearance, innovation of industrial screw;
Small area cover;
50% energy saving;
Super quietly (as low as 60dB(A));
7.5-75KW all series.



Compact Structures

small area cover.
The coaxial of rotor and motor.
isolation of drive and hot-cold cooling system.

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Motor superiority

Permanent magnet use high-strength NdFeB(neodymium iron boron) magnetic steel,high magnetic energy product and coercivity of NdFeB magnetic steel , make rare-earth permanent magnet motor have (a series of advantages): small size , light weight ,high efficient,good character etc.



The advantages of the rotor

All series use MAXTOP air end
The rotor adopts patent type line of the latest design, after more than 20 to finish machining process, ensure the rotor profile accuracy, reliability and validity



Use rotation type oil filter , Totally filtering impurity inside lubctating oil,internally installed temperafure control valve ,adapt the tempera-ture in different regions , ensure the quality of lubricating oil and oil pressure, easily change,don't worry about oil leakage.

Minimum pressure valve
Using the world - famous series of products to ensure the pressure of the oil circulation in the compression system and prevent the backflow of gas.

Optimization of air hose structure
the new design of Air hose structure , let the air pressure is reduced, and the structure is more beautifu.

High efficient cooling system
High efficient cooling system and unique design and reasonable arrangement of stroke , high thermal efficiency , to ensure that , can run continuously for 24 hours all day in the high temperature , and high humidity.



Blue Storm series compressor save energy up to 50%.

Most of the production environment of air demand at different times of the day, month or year weekly different dates are volatile.

Through intensive investigation and measurement, it is found that most of the compressed air demand fluctuates in different degrees.

💡 Blue Storm series Through the technology of automatic adjustment of the motor speed, air flow tracking precision, combine New IPM motor, can save energy up to 50%. Life cycle cost can save an average of 37%. Blue Storm series compressor adopt the field type permanent magnet motor design.

Why choose variable speed of Blue storm series?

When the demand for gas varies dramatically (20-30%), the average energy consumption is 50%

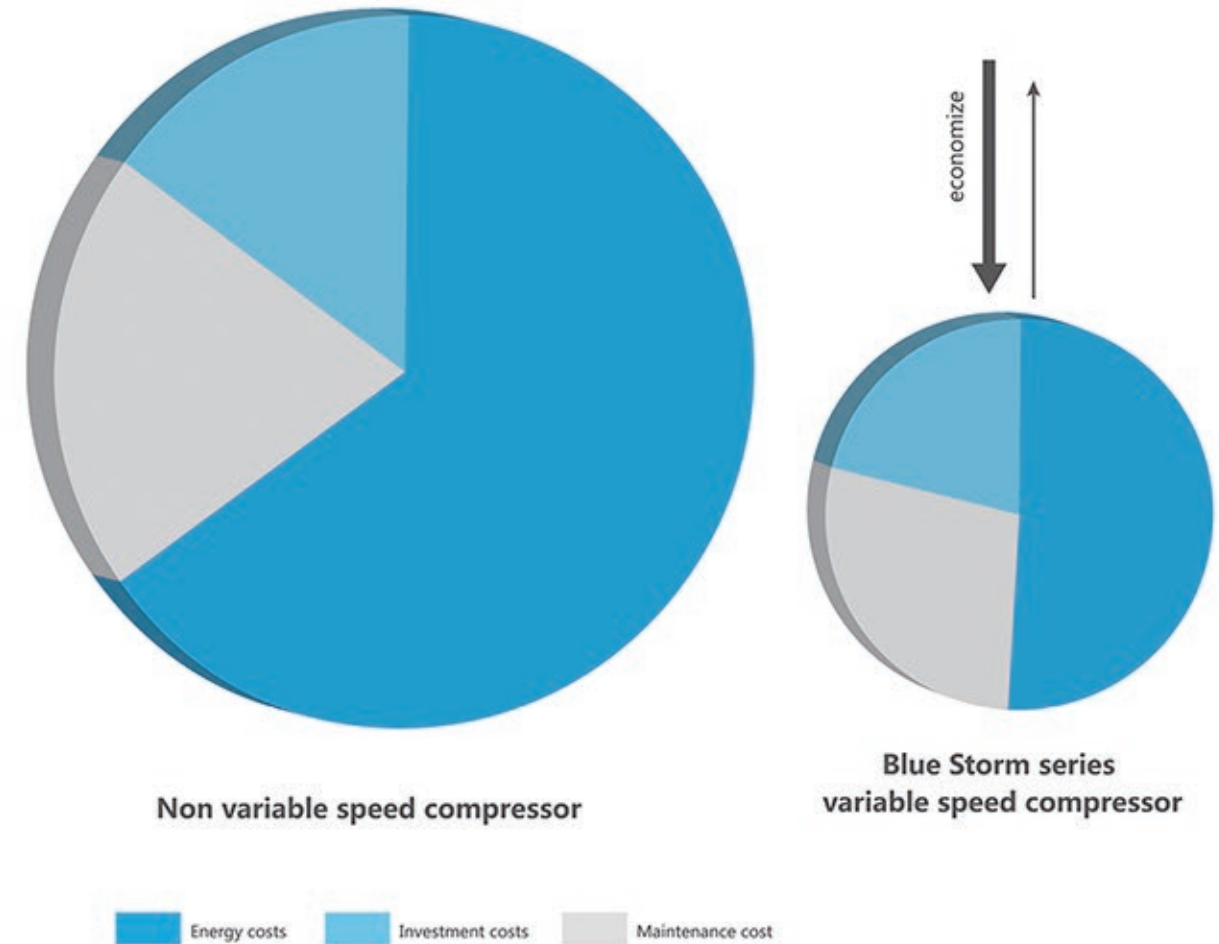
Color controller to control the motor and inverter

No idle waste and vent waste

Using Blue Storm special motor, compressor can start and stop at full pressure, no waste of unloading

No starting peak current, to avoid the possibility of energy loss. Effectively increase the operating life of the system, reduces the system for leaks.

Electromagnetic compatibility with 2004/108/EG standards.



Intelligent Control System

All functions are at fingertips

Microcomputer intelligent monitoring system, fully automated operation, English display, touch button, the operator does not require special training
 Friendly menu interface, operation parameter display, fault alarm and shutdown protection can realize PLC remote control and RS485 communication to realize interlocking control of multiple units



The intelligent controller continuously monitors the 12 important parameters of the compressor, when deviating from the preset value, the controller automatically sends a warning or shutdown, and shows the cause of the problem, and writes fault recording.

Use the system of Advanced micro computer programming automatic protection device, Can realize the early warning system of oil filter blockage, oil & gas separator blockage, air filter blockage, high exhaust temperature warning, automatic protection of main motor phase error. The control system has self diagnosis and protection function, clear indication in all operating conditions, can realize the unattended under 24 hours of work, is the most advanced configuration of modern compression machine screw machine.

Permanent magnet variable frequency drive

The First To Adopt An Integral Permanent Magnetic Variable Frequency Drive

- Easy to Installation and maintenance, debugging simple and easy to operate
- Minimize the volume of the machine as much as possible
- Built in DC reactor to reduce external interference
- Centralized control system to reduce signal interference
- Integrated frequency converter, the stability to be higher level

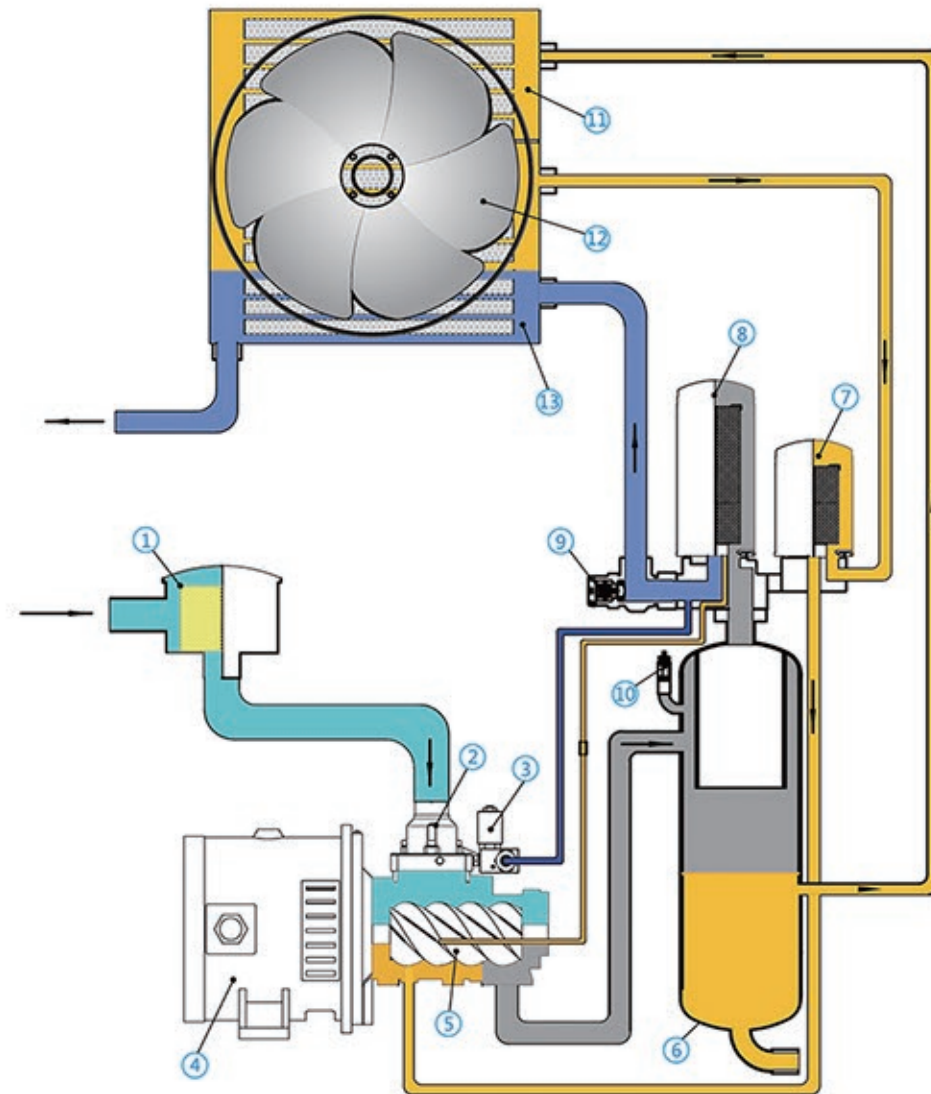


Technical parameter list of permanent magnet Blue Storm series

Model		M-10	M-15	M-20	M-30	M-50
Free air deliver (m ³ /min)	Discharge pressure (0.7-1.0MPa)	1.4-1.1	1.8-1.4	2.4-2.0	3.7-3.1	6.1-5.2
Cooling		air cooling				
Discharge temperature (°C)		< Environmental temperature + 15°C				
Lubricant (L)		5	7	7	10	16
Noise Level (dB(A))		60	62	62	63	65
Driving way		direct drive				
motor	Power (kw)	7.5	11	15	22	37
	Straining Method	variable frequency starting				
Electricity (V / ph / Hz)		380V/50Hz				
Dimension	Length (mm)	680	742	742	800	900
	Width (mm)	610	682	682	780	878
	Height (mm)	1255	1420	1420	1590	1740
Weight (kg)		180	245	245	340	500
Air outlet Pipe Diameter (inch/mm)		3/4"	3/4"	3/4"	1"	1-1/4"

Note: The above technical parameters are subject to change without further notice.

Permanent magnet Blue Storm series flow chart



- | | | |
|--------------------------|--------------------------|---------------------|
| ① Import filter | ⑧ Oil and gas separator | ● Inhalation of air |
| ② Intake valve | ⑨ Minimum pressure valve | ● Air/oil mixture |
| ③ Solenoid valve | ⑩ relief valve | ● oil |
| ④ Permanent magnet motor | ⑪ Oil cooler | ● air |
| ⑤ rotor | ⑫ fan | |
| ⑥ Barrels of oil and gas | ⑬ After cooler | |
| ⑦ oil filter | | |

About us HUADE GROUP FUJIAN

Established in 1985, Huade Electric Machinery & Equipment Co. Ltd Quanzhou (formerly Huada Machinery Co., Ltd of Quanzhou Fujian) is an integration of research, manufacturing and marketing and service. As a high-tech enterprise, we have passed ISO9001/14001, CE, ROHS, ETL, CQC, CCC quality and safety certification, high-tech enterprise certification, etc. Air compressor system and equipment include screw type, centrifugal type, oil free, scroll type, piston type, dryer, filter, drainer, with complete air compressor production line, more than 300 types air compressor to be industry expert. Our company has accumulated more than 30 years of experience from the foremost part casting to pressure vessels, electric motor, precision parts processing and equipment assembly. In addition, our company developed its own core process of permanent magnet servo motor and obtained relevant technical patents to contribute to the development of national energy conservation and environmental protection technology. Expect our own brand air compressor, ODM/OEM is accept.



In the production of the highest quality of the same time, our company provide quality of pre-sale and after-sale, accurate and timely provide the latest quality products and accessories.

National service hotline

4001 555-885

Can be extended for
of special services **10 years**

Online service
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