



SAV+Series Permanent Magnet Frequency Converter Screw Air Compressor

5.5~75kW





Pursuing Excellence, Enriching Life

Since 1953, Fusheng has always adhered to the philosophy of “providing excellent products and services through innovation” in the optimization of product design, manufacturing processes, and customer service with the ISO9001 quality management system. We believe our “visible quality process” is the key. Our products are sold in more than 60 countries around the world and have earned a notable reputation for providing extraordinary added value to our customers.

To internationalize our marketing coverage, we have established production facilities in Taiwan, China (Beijing, Shanghai, Zhongshan), Vietnam, The U.S. (Pittsburg, St. Louis), Germany, Spain and India, as well as branch offices in Thailand, Malaysia and Indonesia. Our well-established distribution channels ensure the highest quality service to our valued customers-worldwide.

Our continued pursuit of precision and perfection, the drive for optimum quality, and exceedingly high expectations for personable and enthusiastic customer service, will always be our ultimate goals and measures of success. We believe our sincere commitment to these principles will benefit and enrich people's lives and bring a higher standard of excellence to the industry.





Creative Design

- Nontraditional Design of air compressor, the vertical design of SAV-M series magnet variable frequency converter screw air compressor covers a smaller area, greatly saving the site and working space.
- Efficient permanent magnet motor energy efficiency beyond IE4.
- All designs follow the principle of high efficiency, and low noise to create an ideal use environment for customers.



More efficient magnet variable speed drive

- SAV+ series magnet variable speed drive screw air compressor adopt high efficiency oil-cooled magnet frequency motor, intelligent frequency conversion control and screw airend, also upgrade optimization design of the system.
- Compared with the traditional frequency conversion screw air compressor, the specific power much better, and compared with the air compressor driven by the fixed speed, the energy saving can reach 50%, and you will get more FAD

More convenient maintenance service

- Vertical design, so that the air compressor in a small shape, still retain enough space for maintenance.
- The layout of each part is simple and efficient, there is no complex structure, and fewer wearing parts.
- The air inlet is equipped with a front filter screen to effectively prevent dust from entering, ensure the internal cleaning of the air pressure system and ensure the reliable operation of the unit.

Can be applied to the on-site

- The ergonomic components reduce the noise from the sound source and can be used as on-site air compressors to further save the site and working space and reduce the loss of pipelines.

GoService platform(optional)



Compressor IoT Smart Service platform on Cloud enables integration of monitoring, troubleshooting and maintenance. Send compressor fault information and operation status to specified technician via SMS and e-mail timely.

Integrated and efficient,
small and lightweight

Integrated Design

- Permanent Magnet motor and integrated design, without gear and belt, you will get best transmission efficiency.
- VFD starting , stable operation, constant Air pressure control, save more energy.
- Fully enclosed variable frequency drive design, even in harsh environment can also operate well.
- The vertical design ensures that the lubricating oil on the end face of the permanent magnet motor and the spiral rotor is fully infiltrated and further improves the cooling effect of the lubricating oil.

1

Powerful Magnet Motor

- oil-cooled magnet motor, the fully enclose structure design, waterproof, dustproof, and the use of air compressor internal lubricating oil for heat dissipation, no excess oil cooling energy consumption,, long service life, to ensure reliable energy saving effect.

Patented Inlet Valve



Streamline runner design, reduce the pressure loss, turbulence and noise in the work, high efficiency and energy saving.

2

Better Host Design

- The lubricating oil injection of bearing and compression chamber has been accurately calculated, and the lubricating oil is injected in accordance with the compression direction of air, which significantly reduces unnecessary oil resistance in the compression process. With the consistent high-precision rotor of Fusheng, make the efficiency more superior.

Air filter Made Of Nanocomposite Material



Nanocomposite fiber multilayer materials are used. Higher filtration , greater strength, longer service life, and significantly lower suction resistance.

SAV+ SERIES

SAV+ Series Permanent Magnet Variable Speed Drive Screw Air Compressor

Unique cooling flow field

- The optimized design of the independent air inlet duct reduces the noise of the intake air, and at the same time makes the air suction density higher and the air suction efficiency better.
- Using high-efficiency external rotor axial flow fan, no independent fan motor, low starting current, stable and low noise.
- The fan blade adopts bionic design, with strong cooling effect and low operating noise.



Efficient and environmentally friendly system design

- The system and structure layout follow the principle of high reliability, high efficiency and low noise.
- Adopt joint material that used Zinc to prevent corrosion and seal the end face to prevent leakage.
- Non-asbestos gasket with high temperature and pressure resistance to protect operators.



Integrated design

- You can choose a full-performance model, equipped with an advanced freeze dryer and precision filter, to directly provide a clean air source. The process of the full-performance unit is air compressor - - cold dryer, which is in line with the best process of compressed air. We can even integrate built-in waste heat recovery.

Higher energy efficiency class and smaller footprint

- From the design concept to the actual application of each component, the SAV+ series permanent magnet variable speed drive air compressor has more efficient performance, so it also has a higher energy-saving level. Integrated design, smaller footprint.

AIMS CONTROLLER

- We provide an attentive controller interface which allows you to control the compressor easily and quickly.
- The clear and user friendly window gives prompts for operation and maintenance. The controller can be programmed in many languages and the software is upgradeable.
- Simple text signals, on a real time basis, tell you what to do and when.
- Select data and controls can be duplicated in customers control system via RS485 port (available in select models).
- Suitable for multi-compressor control.



SAV+06~75 Series-Standard model

Model	Working Pressure MPa	Delivery m ³ /min	Motor Power kW	Outlet	Length mm	Width mm	Height mm	Weight kg
SAV+06AM	0.7	0.29~0.96	5.5	3/4"	690	660	1585	296
	0.8	0.26~0.87						
	1.0	0.21~0.70						
	1.25	0.18~0.61						
SAV+08AM	0.7	0.39~1.31	7.5	3/4"	690	660	1585	296
	0.8	0.34~1.12						
	1.0	0.27~0.89						
	1.25	0.24~0.80						
SAV+11AM	0.7	0.60~2.00	11	3/4"	690	660	1585	296
	0.8	0.57~1.90						
	1.0	0.48~1.60						
	1.25	0.39~1.30						
SAV+15AM	0.7	0.77~2.55	15	3/4"	690	660	1585	320
	0.8	0.69~2.30						
	1.0	0.57~1.90						
	1.25	0.51~1.70						
SAV+18AM	0.7	0.95~3.15	18.5	1"	800	790	1760	450
	0.8	0.89~2.95						
	1.0	0.72~2.40						
	1.25	0.65~2.15						
SAV+22AM	0.7	1.19~3.98	22	1"	800	790	1760	450
	0.8	1.16~3.85						
	1.0	1.04~3.45						
	1.25	0.85~2.82						
SAV+30AM	0.7	1.73~5.70	30	1 1/4"	940	850	1805	602
	0.8	1.61~5.35						
	1.0	1.38~4.60						
	1.25	1.19~3.95						
SAV+37AM	0.7	2.10~7.00	37	1 1/4"	940	850	1805	602
	0.8	1.95~6.50						
	1.0	1.71~5.70						
	1.25	1.45~4.84						
SAV+45AM	0.7	2.55~8.50	45	1 1/2"	1305	1105	1890	1100
	0.8	2.37~7.90						
	1.0	2.12~7.05						
	1.25	1.77~5.90						
SAV+55AM	0.7	3.24~10.80	55	2"	1395	1155	2000	1500
	0.8	3.05~10.15						
	1.0	2.52~8.40						
	1.25	2.13~7.10						
SAV+75AM	0.7	4.20~14.00	75	2"	1395	1155	2000	1500
	0.8	4.02~13.40						
	1.0	3.48~11.60						
	1.25	2.94~9.80						



Fusheng stands by your side with total solution of compressors and energy savings.