



SAV-M Series
Permanent Magnet Variable Speed Drive Screw Air Compressor
SAV 08 ~ 75M

SAV-M SERIES

SAV-M Series Permanent Magnet Variable Speed Drive Screw Air Compressor



Creative Design

- Nontraditional Design of air compressor, the vertical design of SAV-M series magnet variable speed drive 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-M series magnet variable speed drive screw air compressor adopt high efficiency oil-cooled magnet frequency motor, intelligent frequency conversion control and screw air end , 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

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.

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

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.

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.

Patented Inlet Valve



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

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-M SERIES

SAV-M 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.
- From the design concept to the application of various components, fu sheng SA series has a more efficient performance.
- Reasonable layout, small and light weight design, balance in reliability



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.



Permanent Magnet - Bring out the best of variable speed motor

Energy saving and eco-friendly

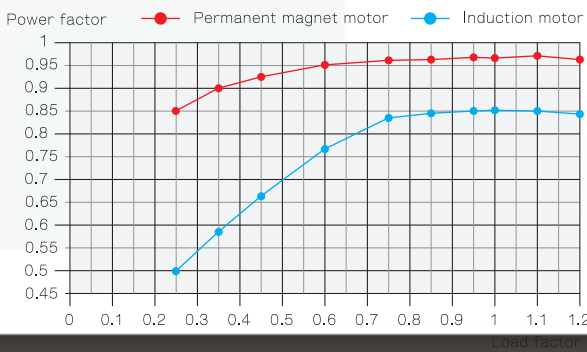
- ▶ Highly efficient motor helps reduce power consumption, complying with the requirements for energy saving and CO₂ reduction.
- ▶ The combination of Fusheng's efficient airend and meticulous system design allows clients for the ultimate experience of energy saving.
- ▶ Large starting torque, low operating noise, and low motor temperature rise help to realize unlimited starting, make the energy saving to the extreme.

Long life

- ▶ To avoid the poor system availability and concentricity commonly seen in traditional bearing designs, for better reliability of the transmission system.
- ▶ The design combining permanent magnet, high performance and power factor features no copper/iron loss. The motor efficiency achieves IE4, ensuring stable operations and improved service life.

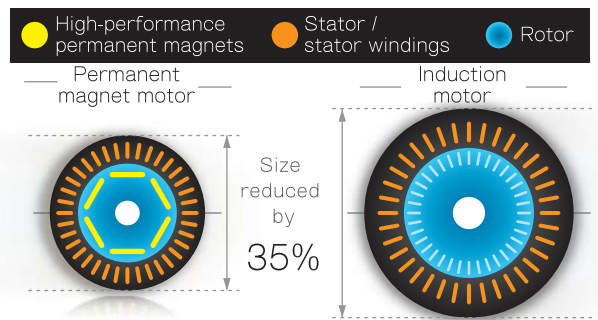
Highly efficient

The permanent magnet motor maintains at good working conditions as it is synchronized at low rpm. The output is stable even within the range of rpm regulation, much better than a typical induction motor. Top efficiency is achieved even at light loading.



Light weight

Permanent magnets are used in place of windings to make the motor more compact and weigh less. The size of motor is 35% smaller for an highly compact and lightweight design as opposed to a typical induction motor.



SAV-M Series Permanent Magnet Variable Speed Drive Screw Air Compressor

model	Working Pressure	Delivery	Motor Power		Voltage	Oil Reservoir Capacity	Outlet	Length	Width	Height	Weight
	kgf/cm ² G		m ³ /min	kW							
SAV08MA	7	1.171~0.586	7.5	10	220 380 440	16	G 3/4	660	690	1585	275
SAV11MS ^{xxv}	7	1.999~0.660	11	15		20	G 1	790	800	1760	510
SAV15MS ^{xxv}	7	2.777~0.917	15	20		20	G 1	790	800	1760	510
★1 SAV22MS ^{xxv}	7	4.008~1.336	22	30		24	G 1-1/4	850	940	1805	660
★2 SAV22MS ^{xxv}	7	4.040~1.334				24	G 1-1/4	850	940	1805	660
SAV37MB ^{xxv}	7	6.613~2.182	37	50		24	G 1-1/4	850	940	1805	675
SAV55MA ^{xxv}	7	10.043~3.314	55	75		60	G 2	1395	1155	2000	1660
SAV75MA	7	14.099~4.653	75	100		60	G 2	1395	1155	2000	1660

★1) Use Fusheng motor

★2) Use Delta motor

★ delivery test according to ISO 1217



SAV-M Series

Permanent Magnet Variable Speed Drive Screw Air Compressor
SAV 08 ~ 75M

FUSHENG INDUSTRIAL CO., LTD

HEAD OFFICE

No.172, Sec. 2, Nanjing E. Rd., Zhongshan Dist.,
Taipei City 104, Taiwan (R.O.C.)
TEL : +886-2-2507-2211 FAX : +886-2-2504-7870

FACTORY(SALES OFFICE)

No.60, Sec. 2, Guangfu Rd., Sanchong Dist., New Taipei City 241,
Taiwan (R.O.C.)
TEL : +886-2-2995-1411 FAX : +886-2-2995-7925

FUSHENG (VIETNAM)

No. 6, Street 3A, Bien Hoa Industrial Zone II,
Bien Hoa, Dong Nai Province, Vietnam.
TEL:+84-61-383-4566 FAX:+84-61-383-4599
E-Mail : sales.vn@fusheng.com

FUSHENG (THAILAND)

140/1-2 Moo.12 Soi.9/1 Kingkaew Rd., T.Rachathewa,
A.Bangplee, Samutprakarn 10540, Thailand
TEL:+66-2-312-4547 FAX:+66-2-312-4530
E-Mail : sales.th@fusheng.com

FUSHENG (MALAYSIA)

No.08 Jalan Para U8/103, Metropolitan
Business Park, Seksyen U8, 40150
Shah Alam, Selangor, Malaysia
TEL :+60-3-7832-3952 FAX :+60-3-7832-1954
E-Mail : sales.my@fusheng.com

FUSHENG (INDONESIA)

Taman Tekno Blok H-9 / 23-25,
Bumi Serpong Damai Sector XI,
Tangerang 15314, indonesia
TEL:+62-21-2275-6671 FAX:+62-21-2275-6672
E-Mail : sales.id@fusheng.com

Distributor/Sales Representative



SAV(M)-11008-112A000-E1

Web site : www.fusheng.com
E-Mail : sales.tw@fusheng.com