

firstAIR

Shanghai Essence Compressor.,Ltd

ADD: Zone C, 1st Floor, Building 2, No. 28

Minyi Road, Songjiang District, Shanghai

TEL: +86-21-6775 3599

Http: www.firstair.com.cn

E-mail: firstair@essenceproducts.com

Dealer/Sales specialist



2024.07

firstAIR

Air Compressors Screw



PURSUING EXCELLENCE
ENRICHING LIFE
ENTERPRISING AND PRAGMATIC ATTITUDE



ABOUT US

Shanghai Essence Compressor.,Ltd was established in 2005 and was wholly acquired by Fusheng Group in 2007, becoming a wholly-owned subsidiary of Fusheng Group. Now located in Songjiang District, Shanghai, The company has moved to Fusheng Shanghai Industrial Park in 2024.

The company is committed to the development and marketing of environmentally friendly compressors.

Clients are widely distributed in Europe, America, Asia Pacific, China, Germany, the USA, India, and other countries and regions.

The compressors are strictly in compliance with the international quality standards of ISO9001 and have been certified as CE and UL for export and parts certification. The rigorous structural design, the low oil and gas consumption, the easy-to-use intelligent control panel, and the durable parts and components make the FIRSTAIR compressor well perform. The FIRSTAIR compressors are designed for high performance and long-term energy efficiency.

FIRSTAIR aims to be a global specialist in the production of screw compressors. Products are exported to the European and American markets and are on the world stage of the competition for air compressors.

EU COMP® Airend - International Famous Brand

EU COMP with German technology provides perfect rotor profile (5: 6) and makes the rotor rotating friction lower which significantly reduces the energy consumption and vibration. The smaller gap between rotor and housing greatly improves the discharge efficiency.

Electrical Motor

Asynchronous three-phase high efficiency motor with class F insulation, is specially designed for the high load operation.

In-take Air Filter Heavy Duty Version

Air filters are installed in all models to remove the particles through high-efficiency filter elements.

Intelligent Control

The friendly HMI and faults self-diagnosis are not only beneficially making the maintenance schedule, but also assist saving energy from the first day of using.

High Efficiency Cooling

The forced air cooling design and size can perfectly operate under 45°C ambient temperature.

Air Inlet Regulation

The bigger filtration area on air filter system can minimize the pressure drop and ensure filtration accuracy. The intake valve has a high sensitivity, low pressure drop design and preventing backflow function which can optimize the suction efficiency.

FAS Fixed Speed Screw Air Compressors



Features

- ▶ Small capacity products use up and down structure to make the machine lighter and reduce the footprint.
- ▶ The efficient motors and new-generation airend have lower energy consumption.
- ▶ Reasonable layout, optimized the intake and discharge design and reduced the noise. Double plates at the frame bottom to lower the machine noise.
- ▶ Using modular design, such as intake valve, combined valves, etc., to make the internal pipeline simpler and minimize the connection points to prevent leakage.



New Generation Airend

Airend (EU-COMP) minimizes the backflow of the compressed air, and optimizes the rotor profile to make the package machine more efficient. Large rotor and low speed design makes the vibration smaller and noise lower. Longer life SKF high-precision bearings and high-quality shaft seals make the machine reliable, long life and ensure no leakage. The bearing life time can up to 60,000 hours.



Intake Valve Set

The intake valve uses piston structure to control the loading and unloading. When the machine stopped, the piston can quickly close to prevent oil spraying out. The unloading solenoid valve and the vent valve are integrated into one piece, and the structure is simple without wearing parts. Low pressure drop intake design with bypass valve can effectively reduce the noise.



Cooling Fan

Use axial fan with high air volume, high efficiency, low current, and low noise features.



Air Filter

The dry-type paper filter function is filtering the atmosphere impurities and the filtration accuracy is 10u with big filtering area and small air pressure drop. The cyclone separation method is with ≥80% rough filtration efficiency. Thereby, it can prolong the service life of oil fine separators, oil filters, bearings, and lubricants.

FAS MODEL			FAS03A -B/P/F	FAS04A -B/P/F	FAS06A -B/P/F	FAS08A -B/P/F	FAS11A -B/P/F	FAS15A -B/P/F	FAS18A -B/P/F	FAS22A -B/P/F	FAS30A -B/F	FAS37A -B/F		
Delivery		0.5MPa	m³/min	/	/	/	/	/	3.05	3.70	4.10	6'00	7'45	
		0.7MPa	m³/min	0.37	0.55	0.80	1.10	1.75	2.55	3.15	3.65	5.40	6.70	
		0.8MPa	m³/min	0.35	0.50	0.75	1.02	1.65	2.40	2.95	3.60	5.20	6.30	
		1.0MPa	m³/min	0.30	0.40	0.65	1.00	1.50	2.05	2.55	3.40	4.60	5.75	
		1.25MPa	m³/min	0.26	0.35	0.50	0.83	1.40	1.85	2.30	3.00	4.05	5.05	
		1.6MPa	m³/min	/	/	/	0.60	1.00	1.45	1.70	2.20	2.90	3.80	
Main Motor Power		kW	3	4	5.5	7.5	11	15	18.5	22	30	37		
Voltage / Frequency		V/Hz	220/380/415/440V、50/60Hz											
Transmission Method			Belt											
Discharge Pipe Diameter		in.	G1/2	G1/2	G1/2	G3/4	G3/4	G3/4	G1 1/4	G1 1/4	G1 1/2	G1 1/2		
Parameter	Standard Model	Length	mm	660	660	660	900	900	950	1050	1050	1000	1000	
		Width	mm	600	600	600	800	800	850	880	880	1250	1250	
		Height	mm	890	890	890	1150	1150	1150	1260	1260	1310	1310	
		Weight	kg	220	230	240	280	300	400	500	570	850	880	
	Tank Model	Tank Capacity	L	200	200	200	270	270	270	300	300	/	/	
		Length	mm	1370	1370	1370	1500	1500	1600	1165	1165	/	/	
		Width	mm	600	600	600	800	800	850	925	925	/	/	
		Height	mm	1510	1510	1510	1740	1740	1740	1810	1810	/	/	
		Weight	kg	335	345	355	460	480	580	650	720	/	/	
	All In One Model	Pressure Dew Point	°C	2~10										
		Tank Capacity	L	200	200	200	270	270	270	500	500	1000	1000	
		Length	mm	1370	1370	1370	1690	1690	1800	2060	2060	2900	2900	
		Width	mm	600	600	600	820	820	850	925	925	1000	1000	
		Height	mm	1510	1510	1510	1820	1820	1820	1810	1810	2120	2120	
		Weight	kg	425	435	445	560	580	680	800	870	1290	1320	

FAS MODEL				FAS45A -B	FAS55A/W -D/G	FAS75A/W -D/G	FAS90A/W -G	FAS110A/W -D/G	FAS132A/W -D/G	FAS160A/W -D/G	FAS185A/W -D/G	FAS200A/W -G	FAS220A/W -G	FAS250A/W -D/G	FAS280A/W -G	FAS300A/W -G
Delivery		0.5MPa	m³/min	8.60	11.75	15.30	17.60	23.00	27.60	31.80	35.50	39.00	40.50	47.00	58.80	61.00
		0.7MPa	m³/min	7.80	10.70	13.80	16.00	21.00	25.20	28.70	32.00	35.10	36.50	42.50	52.90	55.00
		0.8MPa	m³/min	7.60	9.60	13.00	15.20	19.80	24.00	27.60	30.40	33.50	34.50	42.00	52.60	54.00
		1.0MPa	m³/min	6.90	8.80	11.70	13.60	17.00	21.00	24.60	27.40	30.20	32.00	40.60	45.90	47.50
		1.25MPa	m³/min	6.30	8.10	10.25	12.30	15.30	18.30	21.50	24.80	26.50	29.50	36.20	42.70	44.50
		1.6MPa	m³/min	4.85	5.85	7.90	9.90	/	/	/	/	/	/	/	/	/
Main Motor Power			kW	45	55	75	90	110	132	160	185	200	220	250	280	300
Voltage / Frequency			V/Hz	220/380/415/440V、50/60Hz												
Transmission Method				Belt			Direct									
Discharge Pipe Diameter			in.	G2	G2	G2	G2	Square Flange DN80		Flange DN80			Flange DN100			
Parameter	Standard Model	Length	mm	1400	2250	2250	2250	2300	2300	2900	2900	2900	3750	3750	4000	4000
		Width	mm	1100	1344	1344	1344	1450	1450	1600	1600	1600	2150	2150	2150	2150
		Height	mm	1600	1694	1694	1694	1750	1750	1800	1800	1800	2100	2100	2100	2100
		Weight	kg	1080	2150	2250	2450	3050	3200	4050	4300	4450	5000	5200	5500	5700

- Remark:
- 1.The symbol ""*"" in the model means different discharge pressure, such as 0.7/0.8/1.0/1.25MPa showed 7/8/10/12.
 - 2.Different voltage (220V/415V/440V/660V) & (3kV/6kV/10kV for 220—300kW) and different frequency 60Hz are available.
 - 3.The special pressure (0.5~1.6MPa) can be customized.



FASV Variable Speed Screw Air Compressors

Features

- ▶ Variable frequency start - Soft start with smooth linear motion, no high current as traditional direct start or star-delta start can reduce the impact on the circuit and electrical, and greatly extend the magnetic contactor, motor and airend life time.
- ▶ High-efficiency operation - The frequency conversion system controls the operation of the air compressor, which can improve the motor power factor, power quality, greatly improve the system operation efficiency, and reduce operating costs.
- ▶ Load management - Only one VSD air compressor is required for the load management together with multiple traditional air compressors system to do the energy saving operation, it can improve the operating efficiency of the entire air compressor system and the economics of used equipment.
- ▶ The good strategy - Saving energy not only reduces costs, but also realizes low-carbon production, protects the environment and enhances the overall competitiveness of enterprises. Therefore, saving energy is the good strategy for enterprises.

FASV MODEL			FASV08A~B	FASV11A~B	FASV15A~B	FASV18A~B	FASV22A~B	FASV30A~B	FASV37A~B	FASV45A~B
Delivery	0.5MPa	m³/min	/	/	1.22~3.05	1.48~3.70	1.64~4.10	2.40~6.00	2.98~7.45	3.44~8.60
	0.7MPa	m³/min	0.44~1.10	0.70~1.75	1.02~2.55	1.26~3.15	1.46~3.65	2.16~5.40	2.68~6.70	3.12~7.80
	0.8MPa	m³/min	0.41~1.02	0.66~1.65	0.96~2.40	1.18~2.95	1.44~3.60	2.08~5.20	2.52~6.30	3.04~7.60
	1.0MPa	m³/min	0.40~1.00	0.60~1.50	0.82~2.05	1.02~2.55	1.36~3.40	1.84~4.60	2.30~5.75	2.76~6.90
	1.25MPa	m³/min	0.33~0.83	0.56~1.40	0.74~1.85	0.92~2.30	1.20~3.00	1.62~4.05	2.02~5.05	2.52~6.30
Main Motor Power	kW		7.5	11	15	18.5	22	30	37	45
Starting Method	Type		Inverter							
Voltage / Frequency	V/Hz		220/380/415/440V、50/60Hz							
Discharge Temperature	°C		≤Ambient +15℃							
Transmission Method			Belt							
Discharge Pipe Diameter	in.		G3/4	G3/4	G3/4	G1 1/4	G1 1/4	G1 1/2	G1 1/2	G2
Length	mm		980	980	1050	1140	1140	1000	1000	1400
Width	mm		800	800	850	880	880	1250	1250	1100
Height	mm		1150	1150	1150	1260	1260	1310	1310	1600
Weight	kg		300	320	425	530	600	900	930	1120

FASV MODEL			FASV55A/W ~D	FASV75A/W ~D	FASV90A/W ~D	FASV110A/W ~D	FASV132A/W ~D	FASV160A/W ~D	FASV185A/W ~D	FASV200A/W ~D	FASV220A/W ~D	FASV250A/W ~D	FASV280A/W ~D	FASV300A/W ~D
Delivery	0.5MPa	m³/min	4.70~11.75	6.12~15.30	7.04~17.60	9.20~23.00	11.04~27.60	12.72~31.80	14.20~35.50	15.60~39.00	16.20~40.50	18.80~47.00	23.52~58.80	24.40~61.00
	0.7MPa	m³/min	4.28~10.70	5.52~13.80	6.40~16.00	8.40~21.00	10.08~25.20	11.48~28.70	12.80~32.00	14.04~35.10	14.60~36.50	17.00~42.50	21.20~52.90	22.00~55.00
	0.8MPa	m³/min	3.84~9.60	5.20~13.00	6.08~15.20	7.92~19.80	9.60~24.00	11.04~27.60	12.16~30.40	13.40~33.50	13.80~34.50	16.80~42.00	21.00~52.60	21.60~54.00
	1.0MPa	m³/min	3.52~8.80	4.68~11.70	5.44~13.60	6.80~17.00	8.40~21.00	9.84~24.60	10.96~27.40	12.08~30.20	12.80~32.00	16.24~40.60	18.40~45.90	19.00~47.50
	1.25MPa	m³/min	3.24~8.10	4.10~10.25	4.92~12.30	6.12~15.30	7.32~18.30	8.60~21.50	9.92~24.80	10.60~26.50	11.80~29.50	14.48~36.20	17.10~42.70	17.80~44.50
Main Motor Power	kW		55	75	90	110	132	160	185	200	220	250	280	300
Starting Method	Type		Inverter											
Voltage / Frequency	V/Hz		220/380/415/440V、50/60Hz											
Discharge Temperature	°C		≤Ambient +15℃											
Transmission Method			Direct											
Discharge Pipe Diameter	in.		G2	G2	G2	Square Flange DN80		Flange DN80			Flange DN100			
Length	mm		2250	2250	2250	2600	2600	2900	2900	2900	3750	3750	4000	4000
Width	mm		1344	1344	1344	1750	1750	1600	1600	1600	2150	2150	2150	2150
Height	mm		1694	1694	1694	1850	1850	2050	2050	2050	2100	2100	2100	2100
Weight	kg		2220	2350	2520	3150	3350	4200	4450	4600	5300	5500	5800	6000

Remark:

- 1.The symbol ""*"" in the model means different discharge pressure, such as 0.7/0.8/1.0/1.25MPa showed 7/8/10/12.
- 2.Different voltage (220V/415V/440V/660V) and different frequency 60Hz are available.
- 3.The special pressure (0.5~1.6MPa) can be customized.



FASV-M magnetic Variable Speed Screw Air Compressors

Features

- ▶ The efficient PMSM vector motor guarantee the energy saving and the efficiency is higher than ordinary motor.
- ▶ The exclusive integrated energy-saving inverter makes the product more compact and efficient.
- ▶ Colorful & touch screen microcomputer control panel shows the saved energy and adjust the air flow automatically.

FASV-M MODEL			FASV45A~M	FASV55A~M	FASV75A~M	FASV90A~M	FASV110A~M	FASV132A~M
Delivery	0.7MPa	m³/min	3.12~7.80	4.28~10.70	5.52~13.80	6.40~16.00	8.40~21.00	10.08~25.20
	0.8MPa	m³/min	3.04~7.60	3.84~9.60	5.20~13.00	6.08~15.20	7.92~19.80	9.60~24.00
	1.0MPa	m³/min	2.76~6.90	3.52~8.80	4.68~11.70	5.44~13.60	6.80~17.00	8.40~21.00
	1.25MPa	m³/min	2.52~6.30	3.24~8.10	4.10~10.25	4.92~12.30	6.12~15.30	7.32~18.30
Main Motor Power	kW		45	55	75	90	110	132
Starting Method	Type		PM Motor + Inverter					
Voltage / Frequency	V/Hz		220/380/415/440V、50/60Hz					
Discharge Temperature	°C		≤Ambient +15℃					
Transmission Method			Coupling Driven					
Discharge Pipe Diameter	in.		G2	G2	G2	G2	Square Flange DN80	
Length	mm		1600	2250	2250	2250	2600	2600
Width	mm		1160	1344	1344	1344	1750	1750
Height	mm		1600	1694	1694	1694	1850	1850
Weight	kg		1150	2220	2350	2480	3100	3300

FASV-M MODEL			FASV160A~M	FASV185A~M	FASV200A~M	FASV220A~M	FASV250A~M	FASV280A~M	FASV300A~M
Delivery	0.7MPa	m³/min	11.48~28.70	12.80~32.00	14.04~35.10	14.60~36.50	17.00~42.50	21.20~52.90	22.00~55.00
	0.8MPa	m³/min	11.04~27.60	12.16~30.40	13.40~33.50	13.80~34.50	16.80~42.00	21.00~52.60	21.60~54.00
	1.0MPa	m³/min	9.84~24.60	10.96~27.40	12.08~30.20	12.80~32.00	16.24~40.60	18.40~45.90	19.00~47.50
	1.25MPa	m³/min	8.60~21.50	9.92~24.80	10.60~26.50	11.80~29.50	14.48~36.20	17.10~42.70	17.80~44.50
Main Motor Power	kW		160	185	200	220	250	280	300
Starting Method	Type		PM Motor + Inverter						
Voltage / Frequency	V/Hz		220/380/415/440V、50/60Hz						
Discharge Temperature	°C		≤Ambient +15℃						
Transmission Method			Coupling Driven						
Discharge Pipe Diameter	in.		Flange DN80, JB/T81-1994				Flange DN100, JB/T81-1994		
Length	mm		2900	2900	2900	3750	3750	4000	4000
Width	mm		1600	1600	1600	2150	2150	2150	2150
Height	mm		2050	2050	2050	2100	2100	2100	2100
Weight	kg		4150	4400	4550	5200	5400	5700	5900

Remark:

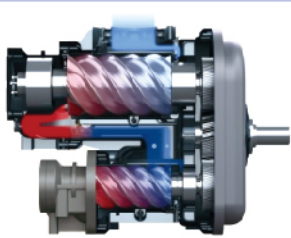
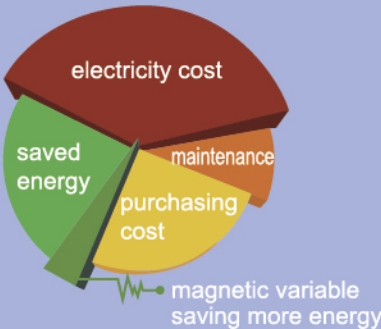
- 1.The symbol ""*"" in the model means different discharge pressure, such as 0.7/0.8/1.0/1.25MPa showed 7/8/10/12.
- 2.Different voltage (220V/415V/440V/660V) and different frequency 60Hz are available.
- 3.The special pressure (0.5~1.25MPa) can be customized.

FASV⁺-TMA Two-Stage Magnetic Variable Speed Screw Air Compressors



Features

- High efficiency permanent magnet synchronous vector motor is a guarantee of energy saving, higher efficiency than ordinary motors.
- Two-stage compressor airend is adopted to effectively improve the overall machine performance.
- Color touch screen microcomputer intelligent controller makes energy saving is visible, variable speed control air volume is automatically adjusted.



Two stage Airend

The new generation of two-stage Airend (firstAir) minimizes the backflow of the compressed air and optimizes the rotor profile to make the packaging machine more efficient. Large rotor low-speed design makes the vibration smaller and noise lower. Longer-life SKF high-precision bearings and high-quality shaft seals make the machine reliable, and long life, and ensure no leakage. The bearing lifetime can be up to 60000 hours.



High-efficiency permanent magnet motors

It is driven by a super IE4 high-efficiency permanent magnet motor, made of neodymium magnet, which makes the frequency adjustment more precise and does not demagnetize at the extreme temperature of the air compressor operation, and has a long service life to ensure reliable energy-saving.

FASV ⁺ -TMA MODEL			FASV ⁺ 22A -TMA	FASV ⁺ 37A -TMA	FASV ⁺ 45A -TMA	FASV ⁺ 55A/W -TMA	FASV ⁺ 75A/W -TMA	FASV ⁺ 90A/W -TMA	FASV ⁺ 110A/W -TMA	FASV ⁺ 132A/W -TMA
Delivery	0.7MPa	m³/min	1.80~4.50	2.96~7.40	4.16~10.40	5.12~12.80	7.00~17.50	8.32~20.80	9.80~24.50	12.00~30.00
	0.8MPa	m³/min	1.72~4.30	2.88~7.20	3.92~9.80	4.80~12.00	6.60~16.50	7.88~19.70	9.00~22.50	11.20~28.00
	1.0MPa	m³/min	1.36~3.40	2.40~6.00	3.50~8.75	4.28~10.70	5.84~14.60	6.76~16.90	7.84~19.60	9.36~23.40
	1.25MPa	m³/min	1.16~2.90	2.24~5.60	3.08~7.70	3.76~9.40	5.16~12.90	5.84~14.60	7.12~17.80	8.60~21.50
Main Motor Power		kW	22	37	45	55	75	90	110	132
Starting Method		Type	PM Motor + Inverter							
Voltage / Frequency		V/Hz	220/380/415/440V、50/60Hz							
Discharge Temperature		℃	≤Ambient +15℃							
Transmission Method			Coupling							
Discharge Pipe Diameter		in.	G1 1/4	G2	G2	G2	G2	Square Flange DN80		Flange DN80、JB/T81-1994
Length		mm	1500	1600	2250	2250	2250	2600	2600	2900
Width		mm	1060	1160	1344	1344	1344	1750	1750	1750
Height		mm	1450	1600	1694	1694	1694	1850	1850	2100
Weight		kg	920	1150	2220	2350	2520	3050	3200	3950

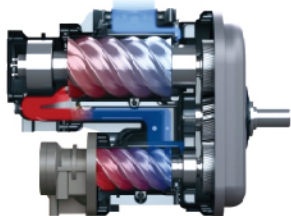
FASV ⁺ -TMA MODEL			FASV ⁺ 160A/W -TMA	FASV ⁺ 185A/W -TMA	FASV ⁺ 200A/W -TMA	FASV ⁺ 220A/W -TMA	FASV ⁺ 250A/W -TMA	FASV ⁺ 280A/W -TMA	FASV ⁺ 315W -TMA	FASV ⁺ 355W -TMA
Delivery	0.7MPa	m³/min	13.96~34.90	16.40~41.00	17.56~43.90	19.80~49.50	22.00~55.00	24.20~60.50	25.60~64.00	29.20~73.00
	0.8MPa	m³/min	13.20~33.00	15.36~38.40	17.00~42.50	18.40~46.00	21.20~53.00	22.80~57.00	24.80~62.00	28.40~71.00
	1.0MPa	m³/min	11.60~29.00	13.16~32.90	15.40~38.50	16.20~40.50	18.60~46.50	20.40~51.00	21.60~54.00	24.00~60.00
	1.25MPa	m³/min	10.60~26.50	11.64~29.10	13.20~33.00	15.20~38.00	16.20~40.50	18.60~46.50	19.20~48.00	21.40~53.50
Main Motor Power		kW	160	185	200	220	250	280	315	355
Starting Method		Type	PM Motor + Inverter							
Voltage / Frequency		V/Hz	220/380/415/440V、50/60Hz							
Discharge Temperature		°C	≤Ambient+15℃							
Transmission Method			Coupling							
Discharge Pipe Diameter		in.	Flange DN80, JB/T81-1994	Flange DN100, JB/T81-1994				Flange DN100, JB/T81-1994		
Length		mm	2900	3750	3750	3750	3750	4200	4200	4200
Width		mm	1750	2150	2150	2150	2150	2780	2780	2780
Height		mm	2100	2250	2250	2250	2250	2350	2350	2350
Weight		kg	4250	4800	5000	5400	5600	6850	8150	8850

- Remark:
- The symbol "*" in the model means different discharge pressure, such as 0.7/0.8/1.0/1.25MPa showed 7/8/10/12.
 - Different voltage (220V/415V/440V/660V) and different frequency 60Hz are available.
 - The special pressure (0.5~1.25MPa) can be customized.
 - *TMA models are two-stage compression (fixed or variable speed two-stage compressors are available).

FPM⁺-T Two-stage Permanent Magnetic Variable Speed Screw Air Compressors

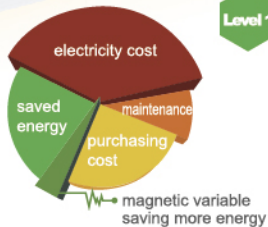
Features :

- ▶ Two stage compression airend effectively improve the energy efficiency.
- ▶ IE5 high efficiency oil-cooled permanent magnet synchronous motor is the guarantee of energy saving,higher efficiency than ordinary motors.
- ▶ Customized integrated energy-saving inverter, accurate pressure control, fast response.
- ▶ 7-inch color touch screen, intelligent microcomputer control, visible energy saving, automatic adjustment for variable speed control of the air.
- ▶ Remote-controlled function.



Two Stage Compression Airend

A new generation high efficiency two stage compression airend(firstair), minimizes the backflow of the compressed air,and optimizes the rotor molded lines to realize higher overall efficiency. Large rotor and low speed design, less vibration, less noise and longer service life. High precision bearings and high quality shaft seals, reliable use, long service life, ensure no leakage, the service lifr of the bearing can be up to 60,000 hours.



Oil-cooled Permanent Magnet Synchronous Motor

Driven by IE5/IP65 high efficient oil-cooled permanent magnet synchronous motor, the frequency conversion adjustment is more accurate, the magnetic steel grade is 48SHT/48UH, the spiral cooling oil channel makes cooling uniform, no degaussing phenomenon under the ultimate temperature operating condition, long service life and reliable energy-saving effect.

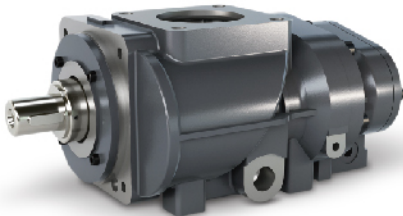
FPM ⁺ -T MODEL			FPM ⁺ 55A/W- ⁺ T	FPM ⁺ 75A/W- ⁺ T	FPM ⁺ 90A/W- ⁺ T
Discharge Pressure	0.7MPa	m³/min	5.12~12.80	7.00~17.50	8.32~20.80
	0.8MPa	m³/min	4.80~12.00	6.60~16.50	8.00~20.00
	1.0MPa	m³/min	4.28~10.70	5.84~14.60	6.76~16.90
	1.25MPa	m³/min	3.76~9.40	5.16~12.90	5.84~14.60
Power	kW		55	75	90
Starting Method	Type		PM Motor +Inverter		
Voltage/Frequency	V/Hz		220/380/415/440V、50/60Hz		
Rear cooler outlet temperature	°C		≤ Ambient temperature+15°C		
Transmisson Method			Coaxial Direct Transmission		
Discharge Pipe Diameter	in.		G2	G2	Square Flange DN80
Length	mm		2250	2250	2300
Width	mm		1344	1344	1450
Height	mm		1694	1694	1750
Weight	kg		2350	2520	2950

- Remarks :
1. The symbol "⁺" in the model means different discharge pressure, such as 0.7/0.8/1.0/1.25MPa show as 7/8/10/12.
 2. The symbol "A" in the model means air-cooled, "W" means water-cooled.
 3. Specific voltage(220V/415V/440V)、Specific frequency(60Hz) can be customized.
 4. Specific pressure(0.5~1.6MPa) can be customized.

FPM Oil-cooled Permanent Magnetic Variable Speed Screw Air Compressors

Features :

- ▶ New generation of efficient airend, better performance.
- ▶ IE5 high efficiency oil-cooled permanent magnet synchronous motor is the guarantee of energy saving,higher efficiency than ordinary motors.
- ▶ Customized integrated energy-saving inverter, accurate pressure control, fast response.
- ▶ 7-inch color touch screen, intelligent microcomputer control, visible energy saving, automatic adjustment for variable speed control of the air.
- ▶ Remote-controlled function.



New Generation Airend

Airend(EU-COMP) minimizes the backflow of the compressed air, and optimizes the rotor molded lines to realize higher overall efficiency. Large rotor and low speed design, less vibration, less noise and longer service life. High precision bearings and high quality shaft seals, reliable use, long service life, ensure no leakage, the service lifr of the bearing can be up to 60,000 hours.



Oil-cooled Permanent Magnet Synchronous Motor

Driven by IE5/IP65 high efficient oil-cooled permanent magnet synchronous motor, the frequency conversion adjustment is more accurate, the magnetic steel grade is 48SHT/48UH, the spiral cooling oil channel makes cooling uniform, no degaussing phenomenon under the ultimate temperature operating condition, long service life and reliable energy-saving effect.

FPM MODEL			FPM08A-*	FPM11A-*	FPM15A-*	FPM18A-*	FPM22A-*	FPM30A-*	FPM37A-*	FPM55A-*	FPM75A-*
Discharge Pressure	0.7MPa	m³/min	0.44~1.10	0.73~1.82	1.02~2.55	1.32~3.30	1.60~4.00	2.16~5.40	2.68~6.70	4.28~10.70	5.52~13.80
	0.8MPa	m³/min	0.41~1.02	0.69~1.72	0.96~2.40	1.20~3.00	1.52~3.80	2.08~5.20	2.52~6.30	3.84~9.60	5.20~13.00
	1.0MPa	m³/min	0.38~0.95	0.60~1.50	0.82~2.05	1.02~2.55	1.36~3.40	1.84~4.60	2.30~5.75	3.52~8.80	4.68~11.70
	1.25MPa	m³/min	0.33~0.83	0.56~1.40	0.74~1.85	0.92~2.30	1.20~3.00	1.62~4.05	2.02~5.05	3.24~8.10	4.10~10.25
Power	kW		7.5	11	15	18.5	22	30	37	55	75
Starting Method	Type		PM Motor +Inverter								
Voltage/Frequency	V/Hz		220/380/415/440V、50/60Hz								
Rear cooler outlet temperature	°C		≤ Ambient temperature+15°C								
Transmisson Method			Coaxial Direct Transmission								
Discharge Pipe Diameter	in.		G3/4	G3/4	G3/4	G1	G1	G1-1/4	G1-1/4	G2	G2
Length	mm		680	680	680	780	780	920	920	1160	1160
Width	mm		680	680	680	780	780	840	840	1440	1440
Height	mm		1220	1240	1240	1300	1300	1422	1422	2050	2050
Weight	kg		245	260	270	300	320	425	450	1870	2000

- Remarks :
1. The symbol "⁺" in the model means different discharge pressure, such as 0.7/0.8/1.0/1.25MPa show as 7/8/10/12.
 2. Specific voltage(220V/415V/440V)、Specific frequency(60Hz) can be customized.
 3. Specific pressure(0.5~1.6MPa) can be customized.

FASM Permanent Magnetic Variable Speed Screw Air Compressors

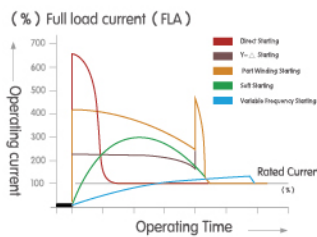
Features :

- ▶ New generation of efficient airend, better performance.
- ▶ IE4 high efficiency permanent magnet synchronous motor is the guarantee of energy saving, higher efficiency than ordinary motors.
- ▶ Customized integrated energy-saving inverter, accurate pressure control, fast response.
- ▶ 7-inch color touch screen, intelligent microcomputer control, visible energy saving, automatic adjustment for variable speed control of the air.
- ▶ Remote-controlled function.



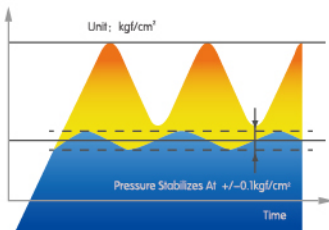
Intelligent Color Screen Control System

Intelligent color screen design, including the current monitoring data display of the main motor and fan motor, and other multi-point control mode, easy to control, with a good human-computer interaction interface experience.



Variable Frequency Starting

Variable frequency starting, smooth linear operation, no high current of traditional direct start or star triangle start. Reduce the impact on the line and electrical, greatly extend the service life of the electromagnetic contactor, motor and airend.



Constant Pressure Air Supply

Frequency converting control can instantly reflect the change of air volume, the fluctuation of air supply pressure is stable below 0.1kgf/cm², and there is no required setting of 1-2kgf/cm² pressure difference between empty and load, can greatly save electricity.

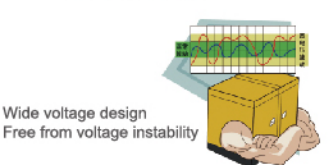
FASM MODEL		FASM08A-*	FASM11A-*	FASM15A-*	FASM18A-*	FASM22A-*	FASM30A-*	FASM37A-*
Discharge Pressure	0.7MPa	m³/min	0.44~1.10	0.70~1.75	1.02~2.55	1.32~3.30	1.60~4.00	2.16~5.40
	0.8MPa	m³/min	0.41~1.02	0.66~1.65	0.96~2.40	1.20~3.00	1.52~3.80	2.08~5.20
	1.0MPa	m³/min	0.38~0.95	0.60~1.50	0.82~2.05	1.02~2.55	1.36~3.40	1.84~4.60
	1.25MPa	m³/min	0.33~0.83	0.56~1.40	0.74~1.85	0.92~2.30	1.20~3.00	1.62~4.05
Power		kW	7.5	11	15	18.5	22	30
Starting Method		Type	PM Motor +Inverter					
Voltage/Frequency		V/Hz	220/380/415/440V、50/60Hz					
Rear cooler outlet temperature		℃	≤Ambient temperature+15℃					
Transmission Method			Coaxial Direct Transmission					
Discharge Pipe Diameter		in.	G3/4	G3/4	G3/4	G1	G1	G1-1/4
Length		mm	680	680	680	780	780	920
Width		mm	680	680	680	780	780	840
Height		mm	1220	1240	1240	1300	1300	1422
Weight		kg	245	260	270	300	320	425

- Remarks :
1. The symbol "*" in the model means different discharge pressure, such as 0.7/0.8/1.0/1.25MPa show as 7/8/10/12.
 2. Specific voltage(220V/415V/440V). Specific frequency(60Hz) can be customized.
 3. Specific pressure(0.5~1.6MPa) can be customized.

FSG Engineering Air Compressors

Features

- ▶ Rainproof & water resistant design
Designed for engineering construction field, for tunnel excavation, bridge construction, shipbuilding and other operations. No need special air compressor room, suitable for critical working conditions. Car-grade rain-proof design, non-stop in rainy days.
- ▶ Wide operating voltage range.
Outdoor construction voltage is very unstable, normal air compressor may be out of function or even damaged. FSG can run on 342~418V (380V+10%) without damage. Super stability to ensure the continuously working in the field.



FSG Series Engineering Air Compressor Parameter Table

Machine Model		FSG85A	FSG130A	FSG220A	FSG360A	FSG460A	FSG760A	FSG860A	FSG1060A
Cooling Type		Air-cooled							
Working pressure/Free Air Delivery [m³/min/MPa (G)]	0.7	2.55	3.65	6.70	10.7	14.1	21.1	25.2	32.0
	0.8	2.40	3.60	6.30	9.6	12.8	21.0	24.0	30.4
	1.0	2.05	3.40	5.75	8.8	11.6	20.6	21.0	27.4
	1.25	1.85	3.00	5.05	8.1	10.3	/	18.3	24.8
Electric Motor	Model	YE3-160M2-2	YE3-180M-2	YE3-200L2-2	YK225M1-4	YK250M1-4	YE280M-2	YE280M-2	YE3-315L2-4
	Power (kW)	15	22	37	55	75	110/120/138	132	185
	Motor Speed (rpm)	2945	2960	2970	1480	1475	2975	2975	1485
	Full Load Current (A)	33.5	48	76	118	167	270/270/298	317	403
	Starting Method	Y-Δ	Y-Δ	Y-Δ	Y-Δ	Y-Δ	Y-Δ	Y-Δ	Y-Δ
	Voltage/Frequency (V/Hz)	380/50	380/50	380/50	380/50	380/50	380/50	380/50	380/50
	Protection Level	IP55	IP55	IP55	IP23	IP23	IP23	IP23	IP55
	Insulation Class	F Class	F Class	F Class	F Class	F Class	F Class	F Class	F Class
Transmission Method		Coupling Driven							
Noisy (dBA)		75±3	75±3	75±3	75±3	75±3	80±3	80±3	80±3
Exhaust Fan	Model	FZL500-H5P35S4Q	FZL500-H5P35S4Q	FZL600-H5P30S4Q	FZL650-H9P40S6Q	FZL650-H9P40S6Q	FZL800-H9P45S6Q	FZL800-H9P35S4Q	FZL800-H9P35S4Q
	Discharge Volume (m³/h)	5300	5300	10500	13500	13500	18800	27000	27000
	Static Pressure (Pa)	100	100	100	100	100	100	120	120
	Power (kW)	0.55	0.55	0.75	0.75	0.75	2.2	3.5	3.5
	Voltage/Frequency (V/Hz)	380/50							
External Dimension	Length (mm)	1600	1600	1850	2200	2200	2350	2750	3100
	Width (mm)	950	950	1090	1150	1150	1350	1450	1500
	Hight (mm)	995	995	1110	1340	1340	1620	1620	1660
Weight (kg)		480	600	920	2100	2150	2950	3200	4020

FSL Series Low Pressure Screw Air Compressors



Features

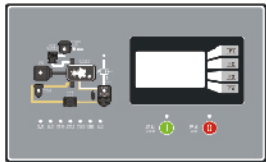
- ▶ Keep all screw air compressor features and technical advantages.
- ▶ FSL series can produce plentiful air flow than normal air compressor.
- ▶ FSL series can saving more electricity than normal air compressor.
- ▶ Without pressure reducing valve to avoid the waste. Producing 3-4.5bar low pressure air directly.
- ▶ Water resistant & dustproof design can easily adapt outdoor environment with Installed simple rainproof shield and no air compressor room required.
- ▶ FL series air compressors are specially designed for the industry using low pressure compressed air.

FSL Series Low Pressures Screw Air Compressor Parameter Table

Model	Power/HP	Outlet Pressure	Air Flow	Noisy	External Dimension(mm)	Outlet Dimension	N/W
	kW/HP	MPa	m³/min	dB(A)	L×W×H		kg
FSL37A-3	37/50	0.3	10.5	72±3	1950×1200×1650	Rp2	1250
FSL45A-3	45/60	0.3	14.0	80±3	2350×1400×1910	Rp2-1/2	2500
FSL55A-3	55/75	0.3	16.0	80±3	2350×1400×1910	Rp2-1/2	2800
FSL75A-3	75/100	0.3	21.0	80±3	2350×1400×1910	DN80(JB/T81-1994)	3000
FSL90A-3	90/125	0.3	24.5	80±3	2350×1400×1910	DN80(JB/T81-1994)	3200
FSL110A-3	110/150	0.3	31.5	85±3	3400×2150×2100	DN125(JB/T81-1994)	4100
FSL160A-3	160/220	0.3	44.0	85±3	3400×2150×2100	DN125(JB/T81-1994)	6100
FSL30A	30/40	0.35/0.4/0.45	6.0	72±3	1850×1050×1200	Rp2	1200
FSL37A	37/50	0.35/0.4/0.45	8.0	72±3	1850×1050×1200	Rp2	1250
FSL55A/W	55/75	0.35/0.4/0.45	12.0	80±3	1950×1200×1650	Rp2	2200
FSL75A/W	75/100	0.35/0.4/0.45	15.0	80±3	2350×1400×1910	Rp2-1/2	3000
FSL90A/W	90/125	0.35/0.4/0.45	22.0	80±3	2350×1400×1910	Rp2-1/2	3200
FSL110A/W	110/150	0.35/0.4/0.45	26.0	80±3	2800×1400×1910	Rp2-1/2	4100
FSL132A/W	132/180	0.35/0.4/0.45	32.0	85±3	3400×2150×2100	DN125(JB/T81-1994)	6000
FSL160A/W	160/220	0.35/0.4/0.45	36.0	85±3	3400×2150×2100	DN125(JB/T81-1994)	6100
FSL185A/W	185/250	0.35/0.4/0.45	45.0	85±3	3400×2150×2100	DN125(JB/T81-1994)	6200
FSL220A/W	220/300	0.35/0.4/0.45	50.8	85±3	4000×2300×2100	DN125(JB/T81-1994)	6500

Remark:

- 1.The symbol "A" means air cooled and "W" means water cooled.
- 2.Different voltage (220V/415V/660V) and different frequency 60Hz are available.
- 3.Fixed speed, Variable speed and PM motor types are available for all models.



Easy-to-operate control panel

The control switch and indicator light are on the same control panel and near to the air outlet valve which is convenient for real-time monitoring. The rainproof shield design greatly improves the machine safety and protection. Control panel also can show the operating parameters and working status (discharge pressure, discharge temperature, motor voltage, motor current, etc.) High discharge temperature protection. High discharge pressure protection.



Low pressure min. pressure switch

Special design for the low pressure model. The low pressure min. pressure switch function:
1.Build up the circling pressure before starting the air Compressor and make sure the airend lubricated.
2.Make sure the oil fine separator functional and prevent the oil fine separator damaged due to big pressure difference.
3.Have the check valve function to avoid the outside pressure bakflow.



Super large oil separator element

The bigger oil separator element greatly increases the filtration area and make sure the compressed air contained extreme less oil in the low pressure condition.



Safety 3-stage air filtration system

Using imported filter paper, heavy-duty type, and double-layer filter. Through applying the high-tech filtering materials and unique design structure to make sure the high precision and long life of air filtration, easy cleaning and replacement, and protection of oil to maximize the lubricants, oil filters, and oil fine separators life time.

FSL⁺-TA Series Low Pressures Variable Speed Screw Air Compressor Parameter Table

Model	Power/HP	Outlet Pressure	Air Flow	Noisy	External Dimension(mm)	Outlet Dimension	N/W
	kW/HP	MPa	m³/min	dB(A)	L×W×H		kg
FSL ⁺ 55AW-TA	55/75	0.35/0.4/0.45	15.0	80±3	2350×1400×1910	Rp2-1/2	3000
FSL ⁺ 75AW-TA	75/100	0.35/0.4/0.45	22.0	80±3	2350×1400×1910	Rp2-1/2	3200
FSL ⁺ 90AW-TA	90/125	0.35/0.4/0.45	26.0	80±3	2800×1400×1910	Rp2-1/2	4100
FSL ⁺ 110AW-TA	110/150	0.35/0.4/0.45	32.0	85±3	3400×2150×2100	DN125(JB/T81-1994)	6000
FSL ⁺ 132AW-TA	132/180	0.35/0.4/0.45	38.5	85±3	3400×2150×2100	DN125(JB/T81-1994)	6100
FSL ⁺ 160AW-TA	160/220	0.35/0.4/0.45	44.0	85±3	4000×2300×2100	DN125(JB/T81-1994)	6350
FSL ⁺ 185AW-TA	185/250	0.35/0.4/0.45	47.5	85±3	4000×2300×2100	DN125(JB/T81-1994)	6500

Remark:

- 1.The symbol "A" means air cooled and "W" means water cooled.
- 2.Different voltage (220V/415V/660V) and different frequency 60Hz are available.
- 3.Fixed speed, Variable speed and PM motor types are available for all models.

FAS-16F All-In-One Air Compressor For Laser Cutting Application

Features

- Integrated all the components in the unit, No installation required, Plug-and-Play.
- Ensure the compressor air with low dew point, dry, oil free and clean condition when it supplies to the laser cutting machine.
- Small footprint. Easily to reach the maintenance points and provide enough maintenance space.
- Equipped with 4 grades precision filters to make sure the compressed air quality.



Machine Model			FAS08A-16F	FAS11A-16F	FAS15A-16F	FAS18A-16F	FAS22A-16F	FAS30A-16F Skid Mounted Design	FAS37A-16F Skid Mounted Design
Delivery	1.6MPa	m³/min	0.60	1.00	1.45	1.70	2.20	2.90	3.80
Main Motor Power		kW	7.5	11	15	18.5	22	30	37
Starting Method	Type	Y-Δ							
Voltage / Frequency	V/Hz	220/380/415/440V、50/60Hz							
Transmission Method		Belt							
Discharge Pipe Diameter	in.		G1	G1	G1	G1-1/2	G1-1/2	G1-1/2	G1-1/2
All-In-One Model	Pressure Dew Point	°C	2~10						
	Tank Capacity	L	270	270	270	500	500	1000	1000
	Length	mm	1690	1690	1800	2060	2060	2900	2900
	Width	mm	820	820	850	925	925	1000	1000
	Height	mm	1750	1750	1750	1810	1810	2120	2120
	Weight	kg	560	580	680	800	870	1290	1320

Remark:

1.Different voltage (220V/415V/440V/660V) and different frequency 60Hz are available.

2.Variable frequency/permanent magnet variable frequency models are available.

3.Optional adsorption dryer assembly.

FASM-16、 FASM-16F Permanent Magnetic Variable Speed Screw of Special for Laser Cutting Air Compressors

Special for Laser cutting integrated air compressor product features:

- Integrated,no need to install, start anytime with power.
- Ensuring low air dew point temperature to make the compressed air entering the laser cutting machine dry and oil-free, the air quality can be more dry and pure.
- Small floor space, all maintenance points within reach. Provide adequate maintenance space.
- Equipped with four-stage precision filter to ensure the compressed air more pure.
- New generation of efficient airend, better performance.
- IE4 high efficiency permanent magnet synchronous motor is the guarantee of energy saving, higher efficiency than ordinary motors.
- Customized integrated energy-saving inverter, accurate pressure control, fast response.



FASM-16 Series Compressor

FASM-16 Model			FASM08A-16	FASM11A-16	FASM15A-16	FASM18A-16	FASM22A-16	FASM30A-16	FASM37A-16
Discharge Pressure	1.6MPa	m³/min	0.30~0.60	0.50~1.00	0.73~1.45	0.85~1.70	1.10~2.20	1.50~3.00	1.90~3.80
Power		kW	7.5	11	15	18.5	22	30	37
Starting Method	Type	PM Motor +Inverter							
Voltage/Frequency	V/Hz	220/380/415/440V、50/60Hz							
Rear cooler outlet temperature	°C	≤Ambient temperature+15°C							
Transmisson Method		Coaxial direct transmission							
Discharge Pipe Diameter	in.		G3/4	G3/4	G3/4	G1	G1	G1-1/4	G1-1/4
Length	mm		680	680	680	780	780	920	920
Width	mm		680	680	680	780	780	840	840
Height	mm		1220	1240	1240	1300	1300	1422	1422
Weight	kg		245	260	270	300	320	425	450

FASM-16F Series provide integrated: Compressor Gas Receiver Pre-filter Dryer Post-filter Ultra-high efficiency filter High precision filter

FASM-16F Model			FASM08A-16F	FASM11A-16F	FASM15A-16F	FASM18A-16F	FASM22A-16F	FASM30A-16F Packaging Compressor	FASM37A-16F Packaging Compressor
Discharge Pressure	1.6MPa	m³/min	0.30~0.60	0.50~1.00	0.73~1.45	0.85~1.70	1.10~2.20	1.50~3.00	1.90~3.80
Power		kW	7.5	11	15	18.5	22	30	37
Starting Method	Type	PM Motor +Inverter							
Voltage/Frequency	V/Hz	220/380/415/440V、50/60Hz							
Transmisson Method		Coaxial direct transmission							
Discharge Pipe Diameter	in.		G1	G1	G1	G1-1/2	G1-1/2	G1-1/2	G1-1/2
Full performance type	Pressure Dew Point	°C	2~10						
	Gas Received Capacity	L	270	270	270	500	500	1000	1000
	Length	mm	1490	1490	1490	2060	2060	2500	2500
	Width	mm	680	790	790	935	935	840	840
	Height	mm	1900	1920	1920	1860	1860	2475	2475
	Weight	kg	525	540	550	600	620	970	1000

Remarks :

1. Specific voltage(220V/415V/440V)、Specific frequency(60Hz) can be customized. 2.Optional adsorption dryer assembly.

FAS Fixed Speed Screw Air Compressors

Exclusive to Taiwan:

Class 1 energy efficiency according to the Taiwan MEPS Energy Efficiency Classification.



New Generation Airend

Airend (EU-COMP) minimizes the backflow of the compressed air, and optimizes the rotor profile to make the package machine more efficient. Large rotor and low speed design makes the vibration smaller and noise lower. Longer life SKF high-precision bearings and high-quality shaft seals make the machine reliable, long life and ensure no leakage. The bearing life time can up to 60,000 hours.



Cooling Fan

Use axial fan with high air volume, high efficiency, low current, and low noise features.



Intake Valve Set

The intake valve uses piston structure to control the loading and unloading. When the machine stopped, the piston can quickly close to prevent oil spraying out. The unloading solenoid valve and the vent valve are integrated into one piece, and the structure is simple without wearing parts. Low pressure drop intake design with bypass valve can effectively reduce the noise.



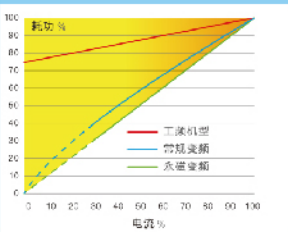
Air Filter

The dry-type paper filter function is filtering the atmosphere impurities and the filtration accuracy is 10u with big filtering area and small air pressure drop. The cyclone separation method is with ≥80% rough filtration efficiency. Thereby, it can prolong the service life of oil fine separators, oil filters, bearings, and lubricants.

FASV⁺-MA Magnetic Variable Speed Screw Air Compressors

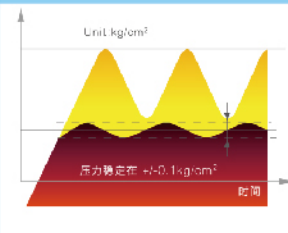
Exclusive to Taiwan:

Class 1 energy efficiency according to the Taiwan MEPS Energy Efficiency Classification.



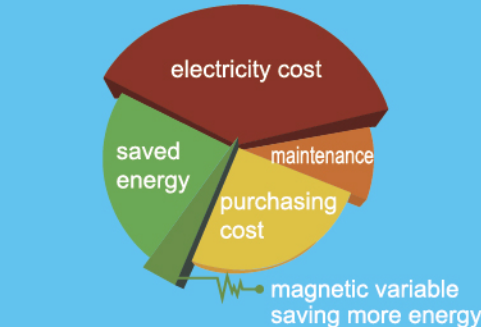
Energy Saving Control

FASV⁺ -MA series permanent magnet variable frequency screw air compressor provides 30% -100% linear stepless capacity adjustment control, and automatically controls power consumption based on customer's compressed air demand. The energy-saving control can significantly reduce operating costs up to 40%.



Constant Pressure Air Supply

The frequency control can instantly response the used air volume changing by the customer, and the supply pressure fluctuation is below + 0.1kg / cm². There is no 1-2kg / cm² pressure difference required on loading and unloading as the traditional air compressors need, so it can save 7% -14% operating electricity cost.



Visible Control System



Visible energy saving, air compressor operating parameters and status can be viewing easily on the controller which contained various protection functions. The "Automatic Maintenance Management" setting allows knowing the spare parts replacement timing. At the same time, the cause of the fault is displayed, and saved in the historical fault record to ensure the machine safe and reliable operation.

FAS Model			FAS08A-*B	FAS11A-*B	FAS15A-*B	FAS22A-*B	FAS37A-*B
Delivery	0.7MPa	m ³ /min	1.14	1.91	2.55	3.65	6.42
	0.8MPa	m ³ /min	1.11	1.87	2.42	3.56	5.87
	1.0MPa	m ³ /min	0.95	1.50	2.05	3.40	5.75
	1.25MPa	m ³ /min	0.83	1.40	1.85	3.00	5.05
Main Motor Power		kW	7.5	11	15	22	37
Starting Method		Type	Y-Δ				
Voltage/ Frequency		V/Hz	220/380V、60Hz				
Transmission Method			Belt				
Noise		dB(A)	68±3	68±3	70±3	70±3	72±3
Discharge Pipe Diameter		in.	G3/4	G3/4	G3/4	G1-1/4	G1-1/2
Length		mm	750	800	800	1000	1150
Width		mm	780	830	830	880	1000
Height		mm	1375	1460	1460	1350	1410
Weight		kg	280	370	400	570	880

- Remark:
1. The symbol “*” in the model means different discharge pressure, such as 0.7/0.8/1.0/1.25MPa showed 7/8/10/12.
 2. The special pressure (0.5~1.25MPa) can be customized.

FASV ⁺ -MA Model			FASV ⁺ 08A-*MA	FASV ⁺ 11A-*MA	FASV ⁺ 15A-*MA	FASV ⁺ 22A-*MA	FASV ⁺ 37A-*MA
Delivery	0.7MPa	m ³ /min	0.58~1.15	0.88~1.75	1.02~2.55	1.52~3.80	2.62~6.55
	0.8MPa	m ³ /min	0.56~1.12	0.83~1.65	0.97~2.43	1.49~3.72	2.41~6.02
	1.0MPa	m ³ /min	0.48~0.95	0.75~1.50	0.82~2.05	1.36~3.40	2.30~5.75
	1.25MPa	m ³ /min	0.42~0.83	0.70~1.40	0.74~1.85	1.20~3.00	2.02~5.05
Main Motor Power		kW	7.5	11	15	22	37
Starting Method		Type	PM Motor + Invertor				
Voltage/ Frequency		V/Hz	220/380V、60Hz				
Transmission Method			Direct				
Noise		dB(A)	68±3	68±3	70±3	70±3	72±3
Discharge Pipe Diameter		in.	G3/4	G3/4	G3/4	G1	G1-1/4
Length		mm	1100	1200	1200	1300	1500
Width		mm	730	800	800	910	1060
Height		mm	1060	1250	1250	1300	1450
Weight		kg	310	385	430	610	950

- Remark:
1. The symbol “*” in the model means different discharge pressure, such as 0.7/0.8/1.0/1.25MPa showed 7/8/10/12.
 2. The special pressure (0.5~1.25MPa) can be customized.

FSD REFRIGRATED AIR DRYER

FSD SERIES OF STANDARD AIR-COOLED

working conditions

- Incoming air pressure: 0.2–1.0MPa
- Pressure loss: ≤0.02MPa
- Pressure dewpoint: 2–10°C
- Incoming air temperature: 45°C
- Ambient temperature: 40°C
- Environment of installation: well-ventilated and dust-free place
- Assembling lieu: space is neat , don't need foundation , 80 centimeters of distance wall surface
- Peculiar specification can accept an order



THE SPECIFICATION OF FSD SERIES OF STANDARD AIR-COOLED

FSD MODEL	Flow (Nm³/min)	Power	Compressor power(kW)	Fan Motor (w)	Refrigerant	Pipe Diameter	External Dimension L*W*H(mm)	Weight (kg)
FSD-10A	1.0	1 Ph\220V\50Hz	0.39	80	R410A	R1	760X430X715	76
FSD-15A	1.8	1 Ph\220V\50Hz	0.39	80	R410A	R1	760X430X715	79
FSD-20A	2.4	1 Ph\220V\50Hz	0.915	90	R410A	R1	760X430X715	81.5
FSD-30A	3.8	1 Ph\220V\50Hz	0.915	90	R410A	R1-1/2	760X430X715	84
FSD-40A	5.2	1 Ph\220V\50Hz	1.32	120	R410A	R1-1/2	940X550X800	170
FSD-50A	6.5	1 Ph\220V\50Hz	1.57	120	R410A	R1-1/2	940X550X800	173.5
FSD-60A	8.5	1 Ph\220V\50Hz	1.77	120	R410A	R2	940X550X930	240
FSD-75A	11.7	1 Ph\220V\50Hz	1.94	180	R410A	R2	1100X600X950	260
FSD-100A	13	1 Ph\220V\50Hz	2.57	240	R410A	R2	1300X620X950	275
FSD-125A	17	3Ph\380V\50Hz	2.94	360	R410A	PN1.0DN80 Flange	1400X650X1150	380

FSF COMPRESSED AIR FILTER

THE GRADE OF FSF SERIES OF COMPRESSED AIR FILTER

- C Type, Main Pipeline Filter
- T Type, Air Pipeline Filter
- A Type, High Efficiency Eliminates Oil Filter
- F Type, Super High Efficiency Eliminates Oil Filter
- H Type, Activated Carbon-oil Mist Filter



THE SPECIFICATION OF FSF SERIES OF COMPRESSED AIR FILTER

FSF MODEL	Flow (Nm³/min)	Pipe Diameter	L*W (mm)	Filter Element	Element (kg)	External Dimensions (mm)
FSF-010(Grade)	1.0	ZG 1 " Female	240x95	1	4	
FSF-018(Grade)	1.8	ZG 1 " Female	240x95	1	4.5	
FSF-024(Grade)	2.4	ZG 1 " Female	240x95	1	5	
FSF-038(Grade)	3.8	ZG 1 1/2" Female	310x130	1	6	
FSF-052(Grade)	5.2	ZG 1 1/2" Female	395x130	1	7	
FSF-065(Grade)	6.5	ZG 1 1/2" Female	395x130	1	8	
FSF-085(Grade)	8.5	ZG 2 " Female	395x130	1	8	
FSF-117(Grade)	11.7	ZG 2 " Female	500x170	1	8	
FSF-130(Grade)	13	ZG 2 " Female	500x170	1	15	
FSF-170(Grade)	17	DN80FL	1080x320	1	66	

Filter working pressure 0.2-1.0MPa, more than 1.0MPa, when ordering please annotated to indicate.
Automatic drainer (-D) , pressure difference monitors(-G) is purchase accessories.