firstAIR®

Dealer/Sales specialist

2023.06.23 (Asia)

firstAIR®

Air Compressors
Screw

ABOUT US

firstAir is committed to research, develop and manufacture the screw air compressor to fill up the full range of Fusheng air compressor products. Derived from Europe, firstAir screw air compressors have unified the Western and Asian characteristics and equipped with high-efficiency airends, more compact structure designs, and less oil consumption. The intelligent control module system and friendly panel are provided the breakdown self-diagnostics and easy operation.

Furthermore, firstAir has been developing, planning and producing a range of air compressors with performance superiors to average in the market. The main components connected to airend as thermostatic valve, inlet valve, and air/oil separator make firstAir products reliable and durable. The high efficiency airend with connected high efficiency motor makes the performance and air flow reaching the high technological standard.

firstAir®

Screw Air Compressors

Superior Quality EU COMP

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.

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.

Electrical Motor

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

High Efficiency Cooling

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

In-take Air Filter Heavy Duty Version

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

Air Inlet Modulation

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 machines 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	m^3/min	/	/	/	/	/	3.05	3.70	4.10	6'00	7'45
		0.7MPa	m^3/min	0.37	0.55	0.80	1.10	1.75	2.55	3.15	3.65	5.40	6.70
		0.8MPa	m^3/min	0.35	0.50	0.75	1.02	1.65	2.40	2.95	3.60	5.20	6.30
		1.0MPa	m^3/min	0.30	0.40	0.65	1.00	1.50	2.05	2.55	3.40	4.60	5.75
		1.25MPa	m^3/min	0.26	0.35	0.50	0.83	1.40	1.85	2.30	3.00	4.05	5.05
		1.6MPa	m^3/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	m^3/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	m^3/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	m^3/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	m^3/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	m^3/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	m^3/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.

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 ensuring no leakage. The bearing life time can up to 60,000 hours.

High Efficiency Motor

The all series use high-efficiency motors with SKF bearings, class F insulation, and class B temperature rise.

Intelligent Microcomputer Controller

Using intelligent controller with powerful functions on multiple and remote control. All series are using large screen controllers. The LCD intelligent controller screen can display the air compressor main operating parameters, and continuously monitor the operating status. It has the unloading startup, motor overload shutdown protection, high temperature and high-voltage shutdown protection functions.

Oil Fine Separator

Internal oil fine separator with 8u filtration accuracy. The filter element is made of multiple winding fine glass fiber layers. The oil mist contained in the compressed air can be almost completely filtered after passing through the oil fine separator.

FASV MODEL			FASV08A-*B	FASV11A-*B	FASV15A-*B	FASV18A-*B	FASV22A-*B	FASV30A-*B	FASV37A-*B	FASV45A-*B
Delivery	0.5MPa	m^3/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	m^3/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	m^3/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	m^3/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	m^3/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		℃	≤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

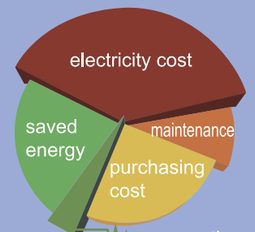
FASV MODEL			FASV55A/W-*D	FASV75A/W-*D	FASV90A/W-*G	FASV110A/W-*D	FASV132A/W-*D	FASV160A/W-*D	FASV185A/W-*D	FASV200A/W-*G	FASV220A/W-*G	FASV250A/W-*D	FASV280A/W-*G	FASV300A/W-*G
Delivery	0.5MPa	m^3/min	4.70~11.75	6.12~15.30	7.04~17.60	9.20~23.00	11.04~27.60	12.72~31.80	14.20~35.50	15.60~39.00	16.20~40.50	18.80~47.00	23.52~58.80	24.40~61.00
	0.7MPa	m^3/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	m^3/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	m^3/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	m^3/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		℃	≤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

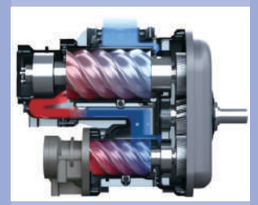
Remark:
1.The symbol "*" in the model means different discharge pressure, such as 0.7/0.8/1.0/1.25MPa showed 7/8/10/12.5
2.Different voltage (220V/415V/440V/660V) and different frequency 60Hz are available.
3.The special pressure (0.5~1.6MPa) can be customized.

FASV+-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	m^3/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	m^3/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	m^3/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	m^3/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		°C	≤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	m^3/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	m^3/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	m^3/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	m^3/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 D100，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:

1.The symbol "*" in the model means different discharge pressure, such as 0.7/0.8/1.0/1.25MPa showed 7/8/10/12.5
2.Different voltage (220V/415V/440V/660V) and different frequency 60Hz are available.
3.The special pressure (0.5~1.25MPa) can be customized.
4.-*TMA models are two-stage compression (fixed or variable speed two-stage compressors are available).

FAS(V)-Z Direct Coupling Screw Air Compressors
FASM magnetic Variable Speed Screw Air Compressors

Features

- **Noise reduction design** — Reasonable inlet and output flow channel and using special sound absorption sponge.
- **Large airend** — low-speed airend, the lower energy consumption of the whole machine
- **Intelligent system** — More intelligent fault diagnosis and more convenient problem handling.
- **Modular design** — The modular design of the intake valve and oil filter makes the internal pipeline simpler and reduces the connection points to greater extent, eliminating leaks.

FAS(V)-Z Direct Coupling Screw Air Compressor

FAS(V)-Z MODEL			FAS(V)08A-*Z	FAS(V)11A-*Z	FAS(V)15A-*Z	FAS(V)18A-*Z	FAS(V)22A-*Z	FAS(V)30A-*Z	FAS(V)37A-*Z	FAS(V)45A-*Z
Delivery	0.7MPa	m^3/min	1.10	1.75	2.55	3.15	3.65	5.40	6.70	7.80
	0.8MPa	m^3/min	1.02	1.65	2.40	2.95	3.60	5.20	6.30	7.60
	1.0MPa	m^3/min	0.95	1.50	2.05	2.55	3.40	4.60	5.75	6.90
	1.25MPa	m^3/min	0.83	1.40	1.85	2.30	3.00	4.05	5.05	6.30
Main Motor Power		kW	7.5	11	15	18.5	22	30	37	45
Starting Method Fixed / (VSD)		Type	Y-△ / Inverter							
Voltage / Frequency		V/Hz	380V、50Hz							
Discharge Temperature		℃	≤Ambient +15℃							
Transmission Method			Coupling Driven							
Discharge Pipe Diameter		in.	G3/4	G3/4	G3/4	G1	G1	G1 1/4	G1 1/4	G2
Length		mm	1100	1200	1200	1300	1300	1500	1500	1600
Width		mm	730	800	800	910	910	1060	1060	1160
Height		mm	1060	1200	1200	1300	1300	1450	1450	1600
Weight Fixed / (VSD)		kg	280/(300)	300/(320)	400/(425)	500/(530)	570/(600)	850/(900)	880/(930)	1080/(1120)

FASM magnetic Variable Speed Screw Air Compressor

FASM-* MODEL			FASM08A-*	FASM11A-*	FASM15A-*	FASM22A-*	FASM37A-*
Delivery	0.7MPa	m^3/min	0.44～1.10	0.70～1.75	1.02～2.55	1.46～3.65	2.68～6.70
	0.8MPa	m^3/min	0.41～1.02	0.66～1.65	0.96～2.40	1.44～3.60	2.52～6.30
Main Motor Power		kW	7.5	11	15	22	37
Starting Method		Type	PM Motor + Inverter				
Voltage / Frequency		V/Hz	380V、50Hz				
Discharge Temperature		℃	≤Ambient +15℃				
Transmission Method			Direct				
Discharge Pipe Diameter		in.	G3/4	G3/4	G3/4	G1	G1 1/2
Length		mm	1100	1200	1200	1300	1000
Width		mm	730	800	800	910	1250
Height		mm	1060	1200	1200	1300	1310
Weight		kg	310	385	430	610	930

Remark:
1.The symbol "*" in the model means different discharge pressure, such as 0.7/0.8/1.0/1.25MPa showed 7/8/10/12.5
2.Different voltage (415V/440V/660V) and different frequency 60Hz are available.
3.The special pressure (0.5~1.25MPa) 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			FASV08A-*M	FASV11A-*M	FASV15A-*M	FASV18A-*M	FASV22A-*M	FASV30A-*M	FASV37A-*M	FASV45A-*M
Delivery	0.7MPa	m^3/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	m^3/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	m^3/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	2.76～6.90
	1.25MPa	m^3/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	PM Motor + Inverter							
Voltage / Frequency		V/Hz	220/380/415/440V、50/60Hz							
Discharge Temperature		℃	≤Ambient +15℃							
Transmission Method			Coupling Driven							
Discharge Pipe Diameter		in.	G3/4	G3/4	G3/4	G1	G1	G1−1/4	G1−1/4	G2
Length		mm	1100	1200	1200	1300	1300	1500	1500	1600
Width		mm	730	800	800	910	910	1060	1060	1160
Height		mm	1060	1200	1200	1300	1300	1450	1450	1600
Weight		kg	310	385	430	535	610	920	950	1150

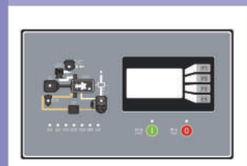
FASV-M MODEL			FASV55A-*M	FASV75A-*M	FASV90A-*M	FASV110A-*M	FASV132A-*M	FASV160A-*M	FASV185A-*M	FASV200A-*M
Delivery	0.7MPa	m^3/min	4.28～10.70	5.52～13.80	6.40～16.00	8.40～21.00	10.08～25.20	11.48～28.70	12.80～32.00	14.04～35.10
	0.8MPa	m^3/min	3.84～9.60	5.20～13.00	6.08～15.20	7.92～19.80	9.60～24.00	11.04～27.60	12.16～30.40	13.40～33.50
	1.0MPa	m^3/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
	1.25MPa	m^3/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
Main Motor Power		kW	55	75	90	110	132	160	185	200
Starting Method		Type	PM Motor + Inverter							
Voltage / Frequency		V/Hz	220/380/415/440V、50/60Hz							
Discharge Temperature		℃	≤Ambient +15℃							
Transmission Method			Coupling Driven							
Discharge Pipe Diameter		in.	G2	G2	G2	Square Flange DN80		Flange DN80，JB/T81−1994		
Length		mm	2250	2250	2250	2600	2600	2900	2900	2900
Width		mm	1344	1344	1344	1750	1750	1600	1600	1600
Height		mm	1694	1694	1694	1850	1850	2050	2050	2050
Weight		kg	2220	2350	2480	3100	3300	4150	4400	4550

Remark:
1.The symbol "*" in the model means different discharge pressure, such as 0.7/0.8/1.0/1.25MPa showed 7/8/10/12.5
2.Different voltage (220V/415V/440V/660V) and different frequency 60Hz are available.
3.The special pressure (0.5~1.25MPa) can be customized.

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.



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.

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.

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.

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 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.

FSL^{+}–TA Series Low Pressures Variable Speed Screw Air Compressor Parameter Table

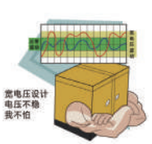
Model	Power/HP	Outlet Pressure	Air Flow	Noisy	External Dimension(mm)	Outlet Dimension	N/W
	kW/HP	MPa	m³/min	dB(A)	L×W×H		kg
FSL^{+}55A/W-*TA	55/75	0.35/0.4/0.45	15.0	80±3	2350×1400×1910	Rp2-1/2	3000
FSL^{+}75A/W-*TA	75/100	0.35/0.4/0.45	22.0	80±3	2350×1400×1910	Rp2-1/2	3200
FSL^{+}90A/W-*TA	90/125	0.35/0.4/0.45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

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-△	Y-△	Y-△	Y-△	Y-△	Y-△	Y-△	Y-△
	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级 (F Class)	F级 (F Class)	F级 (F Class)	F级 (F Class)	F级 (F Class)	F级 (F Class)	F级 (F Class)	F级 (F Class)
	Motor Weight	(kg)	154	169	239	374	505	820/820/835	835	1164
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

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.

FAS-16F provides complete: Air compressor | Receiver | Pre-filter | Dryer | Post-filter | High efficient filter | High precision filter

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-△						
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.