

SCREW

AIR COMPRESSOR

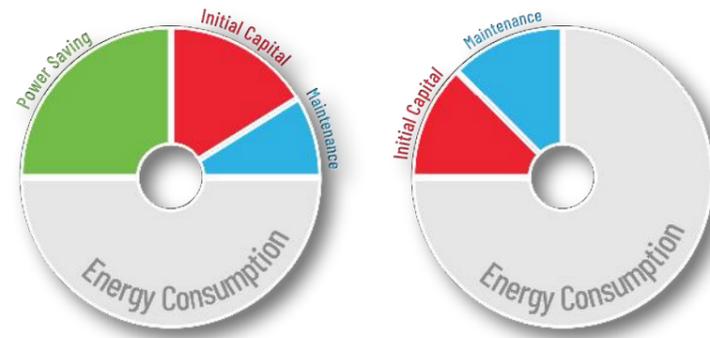
 SCHRAUB



F-SERIES FIXED SPEED

direct-driven screw compressor

Comparison life cost between Fixed-speed and Variable-speed



15-45%
Energy Saving

German Brand Switch-gear

Electric system built by CE electric regulation
All CE certificated components
Star-Delta starting as standard to reduce electric shock in start-up.



**SWITCH
GEAR**

ADVANCED



Design Features (Fixed-Speed)

- Full side open cabinet structure
For easy maintenance
- 316 stainless seamless tubing
Non-corrosion and durability
- Easy maintenance
Cartridge type oil separator and oil filter
- Simple internal structure
For stable running and reliability



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- Simple internal structure
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F-SERIES PERMANENT - MAGNETIC motor drive screw compressor

Advanced Motor Control Technology

Industrial grade electrical & electronic components
Outstanding reliability grade
Stable motor torque control
Proportional motor speed control as per variable air pressure
40% ~ 100% wide motor load control range



DIGITAL CONTROL PANEL

Advanced Monitoring & Smart Control

Protect compressor in the event of faults
Display message & necessary information for maintenance
Sequence control available link 6 units
Comfortable touch panel
RS 485 interface



Design Features (PM - VSD)

- Full side open cabinet structure
For easy maintenance
- 316 stainless seamless tubing
Non-corrosion and durability
- Higher efficiency IE4 grade permanent - magnetic motor
Long operation life /Lower power loss
Non-bearing system (maintenance-free)
Optional IP55 motor provided for dust heavy-duty

TECHNICAL SPECIFICATIONS

FIXED-SPEED/BELT DRIVEN

Model	Power (kW)	Working Pressure (MPa)	FAD (m³/min)	Noise [dB(A)]	Diemension (mm)	Weight (kg)	Air Outlet
SF-10P	7.5	0.8	1.0	72±3	800*650*870	190	R3/4
		1.0	0.9				
		1.2	0.7				
SF-15P	11	0.8	1.7	72±3	850*810*970	275	R1
		1.0	1.5				
		1.2	1.1				
SF-20P	15	0.8	2.2	72±3	850*810*970	285	R1
		1.0	1.8				
		1.2	1.4				
SF-30P	22	0.8	3.2	75±3	1050*970*1220	445	R1
		1.0	2.9				
		1.2	2.0				

FIXED-SPEED/DIRECT DRIVEN

Model	Power (kW)	Working Pressure (MPa)	FAD (m³/min)	Noise [dB(A)]	Diemension (mm)	Weight (kg)	Air Outlet
SF-10	7.5	0.8	0.88	70±3	900*650*870	185	R3/4
SF-15	11	0.8	1.7	70±3	1120*750*980	285	R1
SF-20	15	0.8	2.2	70±3	1120*750*980	290	R1
SF-30	22	0.8	3.2	72±3	1300*920*1170	445	R1
SF-40	30	0.8	4.9	72±3	1460*1050*1250	600	R1-1/2
SF-50	37	0.8	6.0	72±3	1460*1050*1250	635	R1-1/2
SF-60	45	0.8	6.7	75±3	1500*1060*1620	780	R1-1/2
SF-75	55	0.8	9.3	75±3	1800*1360*1660	1105	R2
SF-100	75	0.8	12.0	75±3	1800*1360*1660	1170	R2
SF-125	90	0.8	15.0	75±3	1900*1500*1660	1490	R2
SF-150	110	0.8	19.0	83±3	2400*1550*1800	2250	DN65
SF-175	132	0.8	21.7	83±3	2400*1550*1800	2400	DN65

TECHNICAL SPECIFICATIONS

PM-VSD

Model	Power (kW)	Working Pressure (MPa)	FAD (m³/min)	Noise [dB(A)]	Diemension (mm)	Weight (kg)	Air Outlet
SF-10PM	7.5	0.8	1.1	70±3	800*650*950	140	R3/4
		1.0	0.8				
		1.3	0.7				
SF-15PM	11	0.8	1.8	70±3	900*750*1030	220	R1
		1.0	1.5				
		1.3	1.1				
SF-20PM	15	0.8	2.3	70±3	900*750*1030	225	R1
		1.0	1.8				
		1.3	1.4				
SF-30PM	22	0.8	3.3	72±3	1080*830*1120	285	R1
		1.0	2.9				
		1.3	2.3				
SF-40PM	30	0.8	5	72±3	1230*950*1220	405	R1-1/2
		1.0	3.9				
		1.3	3.1				
SF-50PM	37	0.8	6.1	72±3	1230*950*1220	425	R1-1/2
		1.0	5.2				
		1.3	4.4				
SF-60PM	45	0.8	7	72±3	1500*1060*1620	750	R1-1/2
		1.0	5.9				
		1.3	5.3				
SF-75PM	55	0.8	9.7	75±3	1800*1360*1660	1050	R2
		1.0	7.4				
		1.3	6.4				
SF-100PM	75	0.8	12.6	75±3	1800*1360*1660	1130	R2
		1.0	11.0				
		1.3	9.4				
SF-125PM	90	0.8	15.5	75±3	1900*1500*1660	1490	R2
		1.0	12.5				
		1.3	11.0				
SF-150PM	110	0.8	19.5	83±3	2400*1550*1800	2300	DN65
		1.0	16.0				
		1.3	14.0				
SF-175PM	132	0.8	22.3	83±3	2400*1550*1800	2400	DN65
		1.0	19.5				
		1.3	16.0				