



45 - 185 KW

Electric Portable Screw Air Compressor



firstAIR

Compressors! No compromises.

FSG 45-185 KW

The electric powered units are ideal replacements for Diesel engine driven compressors where electricity is available and in work environments where quiet and emission-free conditions are required.

The compressor is equipped with an electric system which is powered by a three-phase TEFC squirrel cage motor with 'F' class insulation. All models have easy access for operation and routine maintenance as standard with user -friendly control panels.

These compact units are suitable for various applications such as powering breakers and tools in marble, granite and blue metal quarries, sand blasting, pigging, drilling, optical fibre blowing etc. With the high enthalpy compressed air, these compressors are also ideal for the Pneumatic hammers in the forging industry



FEATURES & BENEFITS

- Forklift slots
- External lifting points
- Centralised control panel
- Ease of maintenance & service



INTEGRATED OIL SEPARATION IN THE OIL TANK

The large oil tank is equipped with all necessary connections and the safety installations and therefore ensures the highest operational safety. The internal high efficiency oil separator guarantees excellent compressed air quality with a remaining oil content of $<3\text{mg/m}^3$.

Through an inspection glass the oil level can be viewed at all times. Service can be conducted quickly and safely. The inlet as well as the oil drain valve can be easily accessed.

HIGH PERFORMANCE SUCTION FILTER

In all models a high performance suction filter is installed. Suction air particles are filtered in two stages: first by centrifugal force and second by a high efficiency filter element.

ELECTRIC MOTOR

The main motor has class F insulation and is suited for rugged and continuous duty application with highest efficiency



CONTROL PANEL

All major instrument controls & monitoring systems are group together in this panel. Operators can check operating status using a combination of easy to use instruments & readouts on control panel.

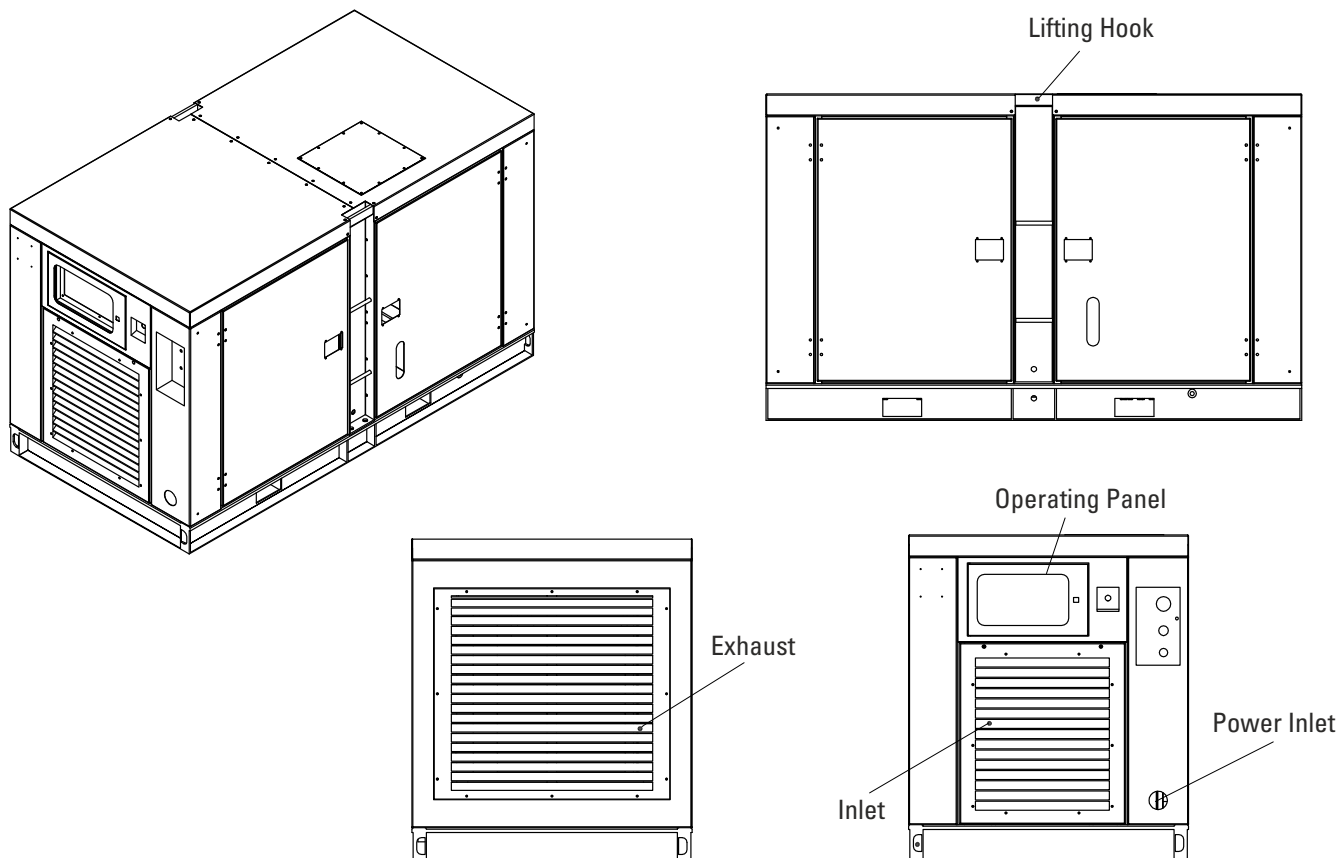
TECHNICAL DATA

Machine Model		FSG270A	FSG340A	FSG460A	FSG760A	FSG860A	FSG1060A
Cooling Type		Air-cooled					
Working pressure/kg/cm² Free Air Delivery CFM	7 kg/cm² (g)	275	378	498	745	890	1130
	8 kg/cm² (g)	268	339	452	742	848	1074
	10 kg/cm² (g)	-	311	410	727	742	968
	12 kg/cm² (g)	-	286	364	-	646	876
Electric Motor	Power (kW)	45	55	75	110	132	185
	Starting method	Star-Delta					
	Voltage(V),	380V					
	Frequency(Hz)	50Hz					
	Insulation Class	F class					
Drive		Direct Driven					
Noise (dBA)		72 +/- 3	75 +/- 3		80 +/- 3		
Oil Carryover (ppm)		≤3					
External Dimension	Length (mm)	1950	2200		2350	2750	3100
	Width (mm)	1150	1150		1350	1450	1500
	Height (mm)	1200	1340		1620	1620	1660
Weight (kg)		2000	2100	2150	2950	3200	4020

The data & performance were recorded in accordance with latest edition of ISO 1217 standard.

The sound level was measured in accordance with PNEUROP/CAGI standard.

Due to continuous engineering improvements, above features are subject to change without prior notice.



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