

# JETAX SC-22-10FF

22kW Screw Air Compressor

Power | Efficiency | Reliability

Jetax®





# ABOUT US



At Jetax®, we engineer high-performance screw **air compressors** built to conquer the most demanding industrial applications and challenges.

JETAX SC-22-10FF embodies this philosophy, delivering unwavering power for continuous-duty applications such as manufacturing, automotive, and food processing. It is built to maximize productivity while minimizing operational costs and downtime.

## Our Commitment

Designed with an advanced, asymmetric screw rotor profile, it delivers exceptional volumetric efficiency—ensuring maximum air output with minimal energy waste. Built with a premium, high-strength cast iron air-end, oversized bearings, and synthetic compressor oil, the SC Series is engineered for 24/7 continuous duty in demanding ambient temperatures. Smart maintenance features such as easily accessible service points, an intuitive control system with predictive maintenance alerts, and a long-life oil filtration system help reduce service time significantly and contribute to a reliable lifecycle performance with extended service intervals of over 8,000 operating hours.



# Demand More from Your Air

Stop compromising on power, efficiency, or uptime. The JETAX SC-22-10FF is engineered to exceed expectations and built to outperform in the world's toughest industrial environments.



## Product Overview

JETAX SC-22-10FF is a premium 22kW screw air compressor engineered for industrial applications that demand a high-efficiency, reliable, and continuous compressed air supply. Built with advanced rotary screw technology and robust components, it guarantees low energy consumption, significantly reduced noise levels, and an extended operational life, ensuring maximum productivity and a rapid return on investment.

## Key Features

- **22kW High-Efficiency IE3 Motor**

Delivers reliable and consistent power output with premium IE3 energy-efficiency rating. This reduces power consumption, lowers operating costs, and ensures long-term compliance with international efficiency standards. Designed for continuous-duty cycles, the motor guarantees stable torque, minimal heat build-up, and extended lifespan.

- **Energy-Saving Optimized Design**

Incorporates advanced airflow dynamics and precision cooling channels that minimize energy losses during operation. By optimizing airflow and reducing unnecessary load on the system, electricity costs are reduced by up to 10–15% compared to standard compressors.

- **Precision-Engineered Screw Air-End.**

Crafted using precision CNC machining for unmatched accuracy and durability. The asymmetric rotor profile reduces leakage losses, increases compression efficiency, and ensures smoother operation. Built with premium-grade bearings and wear-resistant coatings, the air-end is designed for over 50,000+ working hours without major service.

- **Intelligent PLC Control System**

Smart digital controller provides automated start/stop sequencing, load/unload control, and precise pressure regulation. Features built-in sensors for temperature, pressure, and motor protection, along with comprehensive fault diagnostics to prevent unexpected breakdowns. Optional remote monitoring allows real-time performance tracking.





## Technical Specifications

Parameter	Details
Model	JETAX SC-22-10FF
Compressor Type	Stationary Rotary Screw
Power Rating	22 kW / 30 HP
Free Air Delivery (FAD)	3.8 - 4.2 m³/min (134 - 148 CFM)
Working Pressure	7-10 bar (102-145 PSI)
Noise Level	72 dB(A)
Drive Type	Direct Drive (Standard)
Cooling Method	Air-Cooled
Power Supply	380V/50Hz / 3-Phase (Other voltages available)
Control System	Smart MicroPLC with LED Display
Dimensions (LxWxH)	1450 × 850 × 1250 mm
Weight (Net)	650 kg

## Reliable Compressed Air Solutions Across Multiple Industries

### Features

- 1** Manufacturing & Automation – Provides consistent compressed air for CNC machines, robotics, and automated production lines.
- 2** Automotive Assembly & Servicing – Powers pneumatic tools, painting systems, and assembly line operations with efficiency.
- 3** Food & Beverage Processing & Packaging – Ensures clean, oil-free compressed air for packaging, bottling, and pneumatic conveying.
- 4** Pharmaceutical & Chemical Manufacturing – Maintains reliable air supply for precision dosing, mixing, and packaging processes.
- 5** Construction, Mining, and Oil & Gas Industry – Delivers high-pressure air for drilling, pneumatic hammers, and other heavy-duty equipment.







JETAX SC-22 SERIES

## Explore the Full JETAX Range

Upgrade your compressed air system with the perfect model for your needs.

JETAX SC-15-8 | JETAX SC-37-13VSD | JETAX SC-55-10FFV | JETAX SC-75-8

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