

Product Description: GA 15-26 Full Feature

ATLAS COPCO OIL INJECTED SCREW COMPRESSOR

General Description

The new GA 15-26 oil injected screw air compressors, available in 15kW, 18kW, 22kW and 26kW provide an energy efficient, reliable work place air compressor that minimizes the total cost of ownership. These air compressors are designed to withstand the harshest of environments while providing you with a quiet air compressor with sound levels ranging between 67 and 70 dB (A). The GA 15-26 series are designed and manufactured in accordance with ISO 9001, ISO 14001 and ISO 1217 which ensures a reliable trouble-free air compressor. Additionally, these units boast a cool canopy design which increases efficiency and free air delivery. The GA 15-26 units are equipped with the next generation Elektronikon® controller that offers you a great variety of control and monitoring features, increasing your compressor's efficiency and reliability. The GA 15-26 is designed to operate in 46°C/115°F ambient conditions and are available as a stand-alone compressor (Pack) or including an integrated dryer (Full Feature).



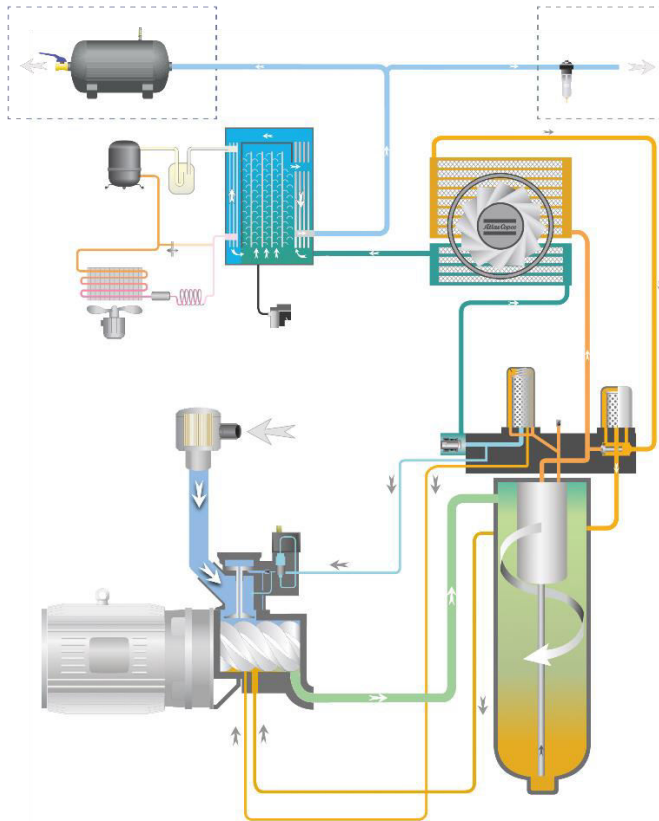
The GA 15-26 air compressors are available in 15kW, 18kW, 22kW and 26kW variants with flows ranging from 33.3 to 72.5 l/s (70.6 to 153,6 cfm).

The compressors are constructed with the following major components:

- State of the art compression element
- IP55 (TEFC) motor meeting or exceeding IE3 and NEMA Premium efficiency standards with greased for life bearings
- Elektronikon® controller
- High efficiency aftercooler
- Moisture separator
- Inlet air filter
- Full Feature includes an integrated refrigerated air dryer.

Working Principle

Air is drawn in through the air filter, the inlet valve into the compression element. This compressed air is forced through the air/oil separator, past the minimum pressure valve and into the after-cooler through the water separator to the discharge. In the case of a Full Feature unit the air will then circulate through the refrigerated dryer and then to the discharge.



Scope of Supply

Drive Train

The high-quality gear driven design does not use couplings which eliminates a maintenance point. The design of the gears has eliminated transmission losses that are typically 2-3% higher on belt driven units. Our latest state of the art compression element provides even more free air delivery.



Air Oil Separator

The high efficiency air oil separation system provides excellent oil pre-separation with >99% of oil separated in the vessel providing less than 3ppm oil carry over. Due to the innovative design, the chance for overfilling the unit has been eliminated. The compact size of this vessel ensures less oil is required and less compressed air is blown off when the unit unloads resulting in money savings for you.



Cooling System

The reliable and efficient design of the cooler effectively lowers the discharge temperature of the compressed air. This reduces the burden placed on downstream air treatment equipment and provides better protection of air network piping. The low sound and low power consumption from the cooling fan makes these new units even more silent and efficient than ever.



Air Dryer (Full Feature models)

The integrated dryer efficiently removes moisture, aerosols and dirt particles to protect your investment. This quality air expands the life of equipment, increasing efficiency and ensuring quality in your final product. Pressure dew point at 3°C /37°F at maximum FAD. (100% relative humidity at 20°C/68°F) Can be outfitted with optional filters, allowing you to obtain the exact air quality you need for your specific application.



ELEKTRONIKON

Elektronikon® Swipe Controller

The Elektronikon® Swipe is offered as standard for the GA 15-26 for fixed speed compressors with online visualization. Elektronikon® Swipe controls and monitors the key compressor parameters efficiently as stated below.

GA 15-26 compressors are equipped with the power conscious, efficient, automatic full-load / no-load regulation system. The Elektronikon® regulation is equipped with the delayed second stop feature (DSS) for the main motor which significantly cuts the electricity cost



The regulating system includes the Elektronikon® Swipe module to regulate, control and monitor compressor operation. All GA 15-26 series Elektronikon® control modules display and monitor the following:

1. Compressor Status Indication
 - Voltage on
 - Compressor loaded
 - Compressor unloaded
 - Compressor maximum allowed unloading pressure
 - Automatic operation
 - General warning/alarm
 - Service required
2. Temperature, numerical readouts
 - Delivery air
 - Ambient air temperature
3. Pressure, numerical readouts
 - Delivery air

4. Compressor Control
 - Start / Stop
 - Emergency stop
 - Reset / Test
5. Hour meters
 - Total running hours
 - Total loading hours
6. Service requirement indications
 - Air filter
 - Oil filter
 - Oil lifetime
 - Oil separator
7. Compressor safety - warning indications
 - High dew point temperature
 - Sensor error
8. Compressor safety - shutdown indications
 - High element outlet temp.
 - Drive motor/fan motor overload
 - Emergency stop
9. Digital output relays for remote monitoring (voltage free)
 - Remote start and stop
10. Optional upgradable to Elektronikon® Touch without rewiring
11. SMARTLINK: Data Monitoring Program
 - Remote monitoring system that helps you optimize your compressed air system and save energy and costs.
 - Provides a complete insight in your compressed air network.
 - Anticipates on potential problems by warning you up-front.

Features & Benefits

Energy Savings

State of the Art compression element

- Low energy consumption and high output of compressed air

Integrated Dryer with Saver cycle technology

- Reduces the energy consumption of the integrated air treatment in light load conditions. Water separation is improved. Pressure Dew Point (PDP) becomes more stable.

Fully Integrated & Compact design

- Controller to ensure optimum efficiency and reliability. Ensures compliance with your air requirements and makes the best use of your valuable floor space.

Quite operation

Sound insulated canopy

- No separate compressor room required. Allows for installation in most working environments.

Highest reliability

Robust Air Filter

- Offers long lifetime and high reliability for long service intervals and low maintenance needs. Air filter is very easy to replace.

IP55 (TEFC) IE3 Motor

- Totally enclosed fan cooled motor insures reliability. Efficiency ratings at or above premium regulations