



# Screw Compressor PremiumPower 15 | 15 HP / 11 kW | 544-1701 l/min

369415-IVR-G3



## Product details

|                                     |                                                          |
|-------------------------------------|----------------------------------------------------------|
| EAN                                 | 8712418439496                                            |
| GPSR Airpress                       | Airpress Polska Sp. z o.o.                               |
| Weight                              | 245 kg                                                   |
| Length                              | 1,000 mm (1 m)                                           |
| Width                               | 670 mm (6.7 dm)                                          |
| Height                              | 1,195 mm (1.195 m)                                       |
| SKU                                 | 369415-IVR-G3                                            |
| Drive                               | Direct driven 1:1                                        |
| Starter                             | Inverter                                                 |
| Motor Type                          | PM                                                       |
| Motor efficiency class              | IE5                                                      |
| Air-end                             | x11-g3                                                   |
| Number of stages                    | 1                                                        |
| Control panel                       | AirVision One                                            |
| Available languages                 | Dutch, Polish, German, French, Spanish, English, Russian |
| Galvanized tank                     | No                                                       |
| Cooling air volume (m3/h)           | 1,400 m³/h (23.333 m³/min)                               |
| Duty cycle (run time/downtime %)    | 100/0                                                    |
| Minimum working pressure (bar)      | 6 bar                                                    |
| Free air delivery at 8 bar (L/min)  | 1,701 L/min (28.35 L/s)                                  |
| Free air delivery at 10 bar (L/min) | 1,579 L/min (26.317 L/s)                                 |
| Noise level at 0 m (dB(A))          | 63                                                       |
| Noise level at 4 m (dB(A))          | 43                                                       |
| Main air connection (")             | 3/4                                                      |
| Minimum ambient temperature (°C)    | 5                                                        |
| Maximum ambient temperature (°C)    | 45                                                       |
| Oilfree                             | No                                                       |

|                                               |                                                      |
|-----------------------------------------------|------------------------------------------------------|
| Oil capacity (L)                              | 8.1                                                  |
| Current (A)                                   | 18.7                                                 |
| Plug type                                     | EURO 32A-5P                                          |
| Power cable                                   | 4 x 4 mm <sup>2</sup>                                |
| IP classification                             | IP55                                                 |
| Start-stop timer                              | No                                                   |
| Autoregulation of idling                      | No                                                   |
| Motor power (hp / kW)                         | 15.0 HP / 11.0 kW                                    |
| Variable speed (IVR)                          | Yes                                                  |
| Pump speed (rpm)                              | 1560-3600                                            |
| Air receiver                                  | No                                                   |
| Dryer                                         | No                                                   |
| Maximum pressure (bar)                        | 10                                                   |
| Minimum free air delivery (L/min)             | 591 L/min (9.85 L/s)                                 |
| Minimum free air delivery (m <sup>3</sup> /h) | 35.46 m <sup>3</sup> /h (9.85 dm <sup>3</sup> /s)    |
| Maximum free air delivery (L/min)             | 1,701 L/min (28.35 L/s)                              |
| Maximum free air delivery (m <sup>3</sup> /h) | 192.06 m <sup>3</sup> /h (3.201 m <sup>3</sup> /min) |
| Voltage (V)                                   | 400 V / 50 Hz / 3 Ph                                 |

## Description

Screw compressor PremiumPower 15 | 15.0 HP / 11.0 kW | 591-1701 L/min

The PremiumPower 15 is a variable-speed screw compressor, designed for high performance and low energy consumption. It is equipped with a high-efficiency screw block, an IE5 ultra-premium class motor, a new-generation inverter and a AirVision One controller. This combination ensures the compressor operates stably and energy-efficiently, whilst allowing for convenient control of the entire compressed air production process. It is an ideal solution for daily operation in demanding industrial environments.

Key technical benefits

High-efficiency next-generation screw module (airend) – designed and manufactured in Europe, guarantees greater airflow with lower energy consumption.

Direct driven 1:1 that directly connects the screw module to the motor – no need for gearboxes, reduction in energy losses and significantly improvement of compressor efficiency.

Ultra Premium IE5 energy class permanent magnet synchronous motor.

European AirVision One controller – monitors the operation in real-time, enabling predictive diagnostics, minimising downtime risks, and simplifying maintenance.

Wide variable-speed range (IVR) thanks to the integration of the screw block with the inverter – the compressor operates at lower speeds when air demand is reduced, saving energy and decreasing mechanical wear by reducing the amount of motor starts.

The variable-speed technology ensures smooth starts that reduce stress, extend service life, and deliver significant energy savings under fluctuating air demand.

Optimised total cost of ownership (TCO), covering purchase cost, energy consumption, consumables, servicing, and downtime costs. This results in reduced interruptions, longer service intervals, and stable performance.

Additional advantages

Optimised energy consumption via the inverter, which automatically adjusts the motor speed to match air demand. This can achieve up to 50% energy savings and reduces total lifecycle costs by appr. 30% over five years.

Quiet operation thanks to the radial fan, maintaining a noise level of AirVision One dB(A) and allowing installation close to the point of use.

Compact design for easy installation in confined spaces.

Smart monitoring with AirVision One

The modern controller AirVision One provides full oversight of the compressor operation (pressure, temperature, load), automatic restart functions, weekly scheduling, and intelligent cooling control. This enhances operational stability and supports energy optimisation.

Main technical benefits

Easy integration with sensors and connected devices (e.g., air treatment, signalling).

Intuitive interface with ergonomic navigation.

Performance graphs and statistics for trend analysis and better optimisation of energy use and servicing.

Built-in web server for remote monitoring and diagnostics without extra modules.

Technical data

GENERAL PARAMETERS

| INDIVIDUAL TECHNICAL DATA |                   |                                  |                    |                           |                            |
|---------------------------|-------------------|----------------------------------|--------------------|---------------------------|----------------------------|
| Motor                     |                   | Free air delivery (FAD) in L/min |                    |                           |                            |
| Class                     | Power             | for min. pressure                | for 8-bar pressure | for 10-bar pressure       |                            |
| IE5                       | 15.0 HP / 11.0 kW | 591 L/min                        | 1701 L/min         | 1579 L/min                |                            |
| Minimum pressure          | Maximum pressure  | Operating noise                  | Drive              | Pump speed (RPM) at 8 bar | Pump speed (RPM) at 10 bar |
| 6 bar                     | 10 bar            | 63 dB(A)                         | Direct driven 1:1  | 1560-3960                 | 1560-3600                  |

| INSTALLATION DATA |        |         |        |            |                      |
|-------------------|--------|---------|--------|------------|----------------------|
| Length            | Width  | Height  | Weight | Connection | Power supply         |
| 1000 mm           | 670 mm | 1195 mm | 245 kg | 3/4"       | 400 V / 50 Hz / 3 Ph |

| GENERAL PARAMETERS        |                   |
|---------------------------|-------------------|
| INDIVIDUAL TECHNICAL DATA |                   |
| Class                     | IE5               |
| Power                     | 15.0 HP / 11.0 kW |
| for min. pressure         | 591 L/min         |
| for 8-bar pressure        | 1701 L/min        |
| for 10-bar pressure       | 1579 L/min        |
| Minimum pressure          | 6 bar             |
| Maximum pressure          | 10 bar            |
| Operating noise           | 63 dB(A)          |
| Drive                     | Direct driven 1:1 |
| Pump speed (RPM) at 8 bar | 1560-3960         |

|                            |                      |
|----------------------------|----------------------|
| Pump speed (RPM) at 10 bar | 1560-3600            |
| INSTALLATION DATA          |                      |
| Length                     | 1000 mm              |
| Width                      | 670 mm               |
| Height                     | 1195 mm              |
| Weight                     | 245 kg               |
| Connection                 | 3/4"                 |
| Power supply               | 400 V / 50 Hz / 3 Ph |

- Optional equipment
- Controller Air Vision Touch, which extends the compressor functionality with:
  - Electricity consumption measurement system
  - Air temperature sensor
  - Compressed air flow and consumption sensor
  - Automatic condensate drain
  - Pressure dew point measurement (PDP)
  - Plate heat exchanger
  - Oil heater
  - Food Grade oil

