



Screw Compressor APS 100 IVR X 10 bar 100 hp 4100-12400 l/min

3694100-IVR



Product details

SKU	3694100-IVR
EAN	8712418388299
Length (mm)	1772
Width (mm)	1300
Height (mm)	1578
Weight (kg)	1250.000000
Workload (labor/rest %)	100/0
Motor power (hp / kW)	100.0 HP / 75.0 kW
Motor efficiency class	IE3
Motor Type	PM
Drive	Direct driven 1:1
Control panel	MAM-6080
Available languages	English, Dutch, Polish, German
Dryer	No
Air receiver	No
Galvanized tank	No
Maximum pressure (bar)	10
Cut-in pressure (bar)	6
Free air delivery at 8 bar (l/min)	12400
Free air delivery at 10 bar (l/min)	10700
Minimum free air delivery (l/min)	4100
Minimum free air delivery (m3/h)	246
Maximum free air delivery (l/min)	12400
Maximum free air delivery (m3/h)	744
Noise level dB(A) (0 m)	85
Noise level dB(A) (4 m)	65

Plug type	EU
Cooling air volume (m3/h)	13500
Main air connection (")	2
Minimum ambient temperature (°C)	10
Maximum ambient temperature (°C)	45
Oilfree	No
Oil capacity (l)	50
Stages	1
Start	Inverter
Voltage (V)	400 V / 50 Hz / 3 Ph
IP classification	IP55
Variable speed (IVR)	Yes
Minimum rpm 10 bar (rpm)	900
Maximum rpm 10 bar (rpm/Hz)	2700
Minimum energy consumption 10 bar (kW/m3/h)	7.8
Maximum energy consumption 10 bar (kW/m3/h)	12.9

Description

APS 100 IVR X 10 bar screw compressor 100 HP/75 kW 4100-12400 l/min

APS 100 IVR X is an efficient and reliable screw compressor, designed for the most demanding industrial environments. Thanks to the power of 100 HP (75 kW) and variable speed technology (IVR), the device offers air flow from 4,100 to 12,400 l/min at a maximum pressure of 10 bar. This is a perfect solution for companies looking for an energy-saving and effective source of compressed air that will meet even the most difficult production requirements.

The most important advantages of APS 100 IVR X:

Variable speed (IVR) operating system – Dynamically adjusts the engine speed to the current demand, reducing energy consumption by up to 40% compared to fixed-speed compressors. This allows for significant savings, especially in environments with variable compressed air demand.

High air efficiency – Air flow ranging from 4,100 to 12,400 l/min makes the device meet the needs of a wide range of industrial applications, from mass production to precise material processing.

1:1 direct drive – Direct power transmission minimizes energy losses and maximizes work efficiency, which contributes to lower operating costs.

Synchronous motor with permanent magnets (PM)

The APS 100 IVR X compressor is equipped with a modern synchronous motor with permanent magnets,

which ensures exceptional durability, performance and energy efficiency. Thanks to its advanced design, the engine is more resistant to loads and has a longer service life compared to traditional drive units. Additionally, the inverter precisely controls the rotational speed, which allows you to optimize the operation of the device depending on current needs.

Advanced MAM-6080 controller

The MAM-6080 controller allows full control over the device's operating parameters. The intuitive interface allows for easy programming of weekly work schedules, automatic restart in the event of a power outage and ventilation management. This functionality not only increases efficiency, but also reduces downtime and costs associated with compressor operation. Additionally, thanks to the ability to remotely monitor the device's operation, the user can have full control over the device's performance and security from anywhere.

Energy efficiency and sustainability

APS 100 IVR X is a device that combines advanced variable speed technology with direct drive, ensuring the highest energy efficiency and low operating costs. The durable design and the use of the highest quality components guarantee the long life and reliability of the device, even in the most demanding working environments. Its ability to maintain stable performance under continuous use makes it an excellent choice for companies that need reliability and high performance in mass production or precision industrial applications.

Technical specifications:

Operating pressure range: 6-10 bar

Engine power: 100 HP / 75 kW

Air flow: 4100-12400 l/min

Power supply: 400 V / 50 Hz / 3 phases

Noise level: 75 dB(A)

APS 100 IVR X is an excellent choice for companies that need a reliable, efficient and energy-saving compressor for demanding industrial environments. Its advanced design and high technical parameters guarantee user satisfaction and maximum work efficiency.



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