

Airpol PRT5 screw compressor with dryer and frequency converter

Overpressure [MPa] - options	1,3 / 1,5
Variable capacity:	
Capacity min-max [m ³ /h] [1,3 MPa]	10 - 33
Capacity min-max [m ³ /h] [1,5 MPa]	10 - 20
Dimension (LxWxH) [mm]	940x660x1340
Air receiver volume [l]	-
Compressed air connection	G 1/2
Weight [kg]	300
Ambient temperature [°C]	+5 ÷ +40
Cooling air demand [m ³ /h]	1200
Compressed air temperature on the outlet [°C]	approx.10 degrees above ambient temperature
Sound level L [dB(A)]	70
Power transmission system	belt drive
Motor power [kW]	5.5
Motor energy efficiency class	IE3
Motor IP Code	IP55
Feed voltage [V/ph/Hz]	400/3/50
Power feed cable [mm ²]	5x2,5
Protection fuse [A]	20
Dryer pressure dew point [°C]	+3
Quality class in accordance with ISO 8573.1	2.4.2

Built-in refrigeration dryer with compressed air filters

The integrated compressed air treatment system removes moisture to the required dew point of +3°C and provides the residual oil content in the compressed air. Increased air quality class (2.4.2 according to ISO 8573.1) means, among others: longer life of pneumatic tools, limiting of compressed air network corrosion, minimizing the risk of the end product damage, e.g. paint coating.



Frequency converter

Provides smooth speed control in the range from 20% to 100% (depending on the pressure set on the controller). Main benefits for the user:

- adjustment of the compressor capacity to the actual compressed air demand;
- reduction of the compressor pressure hysteresis, and thus reduction of pressure variations in pneumatic network (electric motor rotation is regulated so that to keep the network pressure value on the constant, set level);
- minimization of mechanical wear and extending of the components working life;
- energy savings.

Microprocessor control

Clear display, information LEDs and straightforward keyboard provide easy and quick working parameters configuration, define compressor operating status, as well as compressor operating mode selection.

