

Airpol KPR5 screw compressor with 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]	1920x660x1520
Air receiver volume [l]	500
Compressed air connection	G 3/4
Weight [kg]	430
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)]	72
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]	4x2,5
Protection fuse [A]	20

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 variation in the pneumatic network (electric motor rotation is regulated so that to keep the network pressure value on the constant, setlevel),
- minimization of mechanical wear and extending of the components working life;
- energy savings.

Microprocessor controller:

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.

