



## Airpol PR 22 screw compressor with frequency converter

Overpressure [MPa]	1,3
Variable capacity:	
Capacity min-max [m <sup>3</sup> /h] [ 1,3 MPa ]	52 - 162
Dimension (LxWxH) [mm]	720x1300x1460
Air receiver volume [l]	-
Compressed air connection	G 3/4
Weight [kg]	520
Ambient temperature [°C]	+5 ÷ +40
Cooling air demand [m <sup>3</sup> /h]	3500
Compressed air temperature on the outlet [°C]	approx.10 degrees above ambient temperature
Sound level L [dB(A)]	70
Power transmission system	direct drive
Motor power [kW]	22
Motor energy efficiency class	IE3
Motor IP Code	IP55
Feed voltage [V/ph/Hz]	400/3/50
Power feed cable [mm <sup>2</sup> ]	3x16+PE
Protection fuse [A]	63

### Frequency converter

Provides smooth speed control in the range from 25% 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 the pneumatic network (electric motor rotations is regulated so that to keep the network pressure value on the constant, set level in the range: min. 0,65 MPa, max. 1.0 MPa); minimization of mechanical wear and extending of the components working life; energy savings.



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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.

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Direct drive

1: 1 energy-saving drive, connects directly screw air-end to the drive motor without loss of power transmission, provides even greater compressor reliability and eliminates the need to replace belts while servicing

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