

ESC 2 - 5 Series Screw Compressors



Maximum flexibility

The compact design of the ESC series allows you to install the package quickly and efficiently. Based on the customer requirements, these compressors can be supplied with many special options to provide a complete compressor station:

- with add-on refrigerant dryer
- tankmounted on 200 l, 270 l and 500 l receiver (500 l for 4 - 5.5 kW models only)
- Star/Delta starting and AirBasic controller (Premium package)

Easy to use

Standard: Start/Stop control and direct start relay including working hour timer.

Optional: 4 - 5.5 kW models with Star/Delta starting and AirBasic electronic controller including airend rotation control and different maintenance timers.

5 maintenance timers (AirBasic controller):

- Air filter replacement
- Oil filter replacement
- Separator filter replacement
- Oil change
- Regular maintenance advise

Simple maintenance

Installation takes only a few minutes. All the service points are easily accessible through the removable side doors.

The simple design minimizes the number of moving parts, resulting in lower maintenance costs.

The ESC compressors are equipped with high-flexibility POLY-V belts, suitable for high-speed running and designed to provide 10,000 hours of operation. They are silent and maintenance free.

Air/Oil filter separator and oil filter are mounted side by side to ensure easy access for maintenance purposes.



COMPLEX NEEDS - SMARTER SOLUTIONS

Your benefits at a glance

- High Reliability
- Silent Operation
- Designed to reduce and simplify maintenance operations
- Easy to use



Technical Data

Gardner Denver Model	Maximum target pressure*		Capacity at working pressure		Motor power		Net weight **	Noise level ***	Dimensions in mm (L x W x H) - Standard Compressor - Mounted on air receiver with or without integrated dryer
	bar	psig	m ³ /min	cfm	kW	hp			
ESC 2	10	145	0.28	10	2,2	3	100	62	620 x 550 x 840
							165		1450 x 600 x 1350 (200 l receiver)
							205		1530 x 600 x 1400 (270 l receiver)
ESC 3	10	145	0.40	14	3	4	100	63	620 x 550 x 840
							165		1450 x 600 x 1350 (200 l receiver)
							205		1530 x 600 x 1400 (270 l receiver)
ESC 4	10	145	0.59	21	4	5.5	100	63	620 x 550 x 840
							165		1450 x 600 x 1350 (200 l receiver)
							205		1530 x 600 x 1400 (270 l receiver)
ESC 5	10	145	0.70	25	5.5	7.5	100	65	620 x 550 x 840
							165		1450 x 600 x 1350 (200 l receiver)
							205		1530 x 600 x 1400 (270 l receiver)
							250		1850 x 680 x 1475 (500 l receiver)

* Capacity and Power measurements according to ISO 1217, ed. 3, Annex C –1996 test code. Measured at maximum working pressure without options

** Additional weight for integrated dryer 47 to 52 kg

*** Noise values determined according to ISO 2151 and ISO 3744; Variation ±2 dB (Kp_A)

Standard Equipment

- Air-inlet filter
- Direct on-line starting
- Overload relay protection
- Start/stop control with pressure switch
- Main On/Off switch
- Electric motors, IP 55, F-class insulation
- Oil level monitoring, sight glass
- Belt transmission
- Safety devices for:
 - Motor over temperature
 - Compressor over temperature, trip at 110°C
 - Compressor overpressure (safety valve)
- Running condition indicators:
 - Pressure
 - Hour-meter

- Epoxy powder coated enclosure
- Oil thermostat
- Factory fill - AEON™ 3000 lubricant

Optional Equipment

- Star/delta starter with AirBasic electronic controller
- 200 litre air receiver (2.2 - 5.5 kW)
- 270 litre air receiver (2.2 - 5.5 kW)
- 500 litre air receiver (4 - 5.5 kW)
- Refrigeration dryer; 3°C dew point at 25°C ambient (ISO 7183), refrigerant fulfils the EC norm No. 2037/2000 requirements

Auxiliary Equipment

- Compressed air after-treatment products

For additional information please contact your local representative or

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