

ESM 6

Screw Compressor



Maximum Flexibility

The compact design of the ESM 6 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:

- Tankmounted on 270 l or 500 l receiver
- Tankmounted and with add-on refrigerant dryer plus filter kit
- Different pressures available at 8-10-13 bar

Easy To Use

This package was designed to keep the design concept as simple as possible while at the same time it is so quiet that it can be installed where it is needed without special consideration for noise.

The electronic AirBasic2 controller has four easy-to-use operating buttons including easy adjustment of pressure settings via the controller.

Also the airend rotation control and following maintenance timer are displayed:

- 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.

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

Low Operating Costs

ESM 6 compressors are optimal for users who want to attain the best possible working pressure with cost-effective functioning and low running costs. By using the high quality parts, you'll be able to reduce compressor's operation and maintenance costs and obtain the best possible result.

GD
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Experience Proven Results™

Your benefits at a glance

- High Reliability
- Silent Operation
- Designed to reduce and simplify maintenance operations
- Easy to use
- Advanced ENDURO® airend



AirBasic2 Controller: Pressure setting can be easily adjusted via the controller



Option: Automatic condensate drain system



Option: Kit of filters with by-pass

Technical Data ESM 6

Gardner Denver Model	Maximum target pressure ¹⁾		Capacity at working pressure ¹⁾		Motor power		Noise level ²⁾ dB(A)	Dimensions in mm (L x W x H) mm	Net weight ³⁾ kg
	bar	psig	m ³ /min	cfm	kW	hp			
ESM 6 – Standard compressor	8	115	1.05	37	7.5	10	67	680 x 600 x 1000	170
ESM 6 – Mounted on 270 l receiver	10	145	0.93	33	7.5	10	67	1540 x 600 x 1560	315
ESM 6 – Mounted on 500 l receiver	13	190	0.74	26	7.5	10	67	1950 x 680 x 1635	360

¹⁾ Capacity and Power measurements according to ISO 1217, ed. 4, Annex C. Measured at maximum pressure without any options.

²⁾ Noise values determined according to ISO 2151 and ISO 3744; Variation ± 3 dB (K_{pA})

³⁾ Additional weight for add-on dryer 41 kg

Standard Equipment

- Air-inlet filter
- Overload relay protection
- Star/delta starter with AirBasic2 electronic controller
- Pressure sensor for pressure control
- Electric motors, IP 55, F-class insulation
- Oil level monitoring, sight glass
- Belt transmission
- Safety devices for:
 - Motor overload
 - Compressor over temperature, trip at 110°C
 - Compressor overpressure (safety valve)
- Running condition indicators:
 - Pressure
 - Temperature
- Total hours and load hours counter
- Epoxy powder coated enclosure
- After cooler

- Oil thermostat
- ENDURO® air end
- Factory fill – AEON™ 3000 lubricant

Optional Equipment

- 270 litre air receiver
- 500 litre air receiver
- Special voltages
- Refrigerant add-on dryer; 3°C dew point at 25°C ambient temperature (ISO 7183), refrigerant fulfils the EC norm No. 2037/2000 requirements
- Filter kit for add-on dryer
- Timed automatic drain for receiver

Auxiliary Equipment

- Compressed air after treatment products

For additional information please contact Gardner Denver or your local representative.

Gardner Denver

info.tampere@gardnerdenver.com

www.gardnerdenverproducts.com

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