

Your benefits at a glance

- Advanced AirSmart™ Control System
- Easy serviceability
- Reliable Design
- Quality Components
- High performance
- Optional connectivity & sequencing function



Technical Data

Gardner Denver Model	Maximum target pressure		Capacity at working pressure*		Motor power		Net weight kg	Noise level** dB(A)	Size (Length x Width x Height) mm
	bar	psig	m³/min	cfm	kW	hp			
ESE 18	8	115	2.85	101	18.5	25	340	74	850 x 850 x 1300
	10	145	2.45	86					
	13	190	1.95	69					
ESE 22	8	115	3.35	118	22	30	360	75	850 x 850 x 1300
	10	145	2.95	104					
	13	190	2.40	85					
ESE 30	7.5	110	5.00	177	30	40	440	76	1030 x 850 x 1300
	8.5	125	4.50	159					
	10	145	4.10	145					
	13	190	3.30	117					
ESE 37	7.5	110	5.84	206	37	50	650	76	1130 x 1350 x 1500
	8.5	125	5.60	198					
	10	145	5.10	180					
	13	190	4.40	155					

* Capacity and Power measurements according to ISO 1217, ed. 3, Annex C -1996 test code and the following working pressures are used: 7.5 bar models at 7 bar, 8 bar models at 7 bar, 8.5 bar models at 8 bar, 10 bar models at 9 bar and 13 bar models at 12 bar.

** Noise values determined according to ISO 2151 and ISO 3744; Tolerance ±2 dB (KpA).

Standard Equipment

- Air-inlet filter
- Star-Delta starter
- Automatic Load/No Load capacity control
- Gardner Denver AirSmart™ Contoller
- Easy to use operator interface
- Multiple languages
- Main On/Off switch, with emergency stop
- Electric motors, IP55, F-class insulation
- Rotation direction control
- Oil level monitoring, sight glass
- Poly-v belt transmission
- Safety devices for
 - high motor temperature
 - high compressor temperature
 - high compressor pressure
- Alarms for
 - motor overload
 - compressor overheat (alarm at 100°C and tripping at 115°C)
 - service interval

- Safety valve
- Running condition indicators:
 - pressure
 - temperature
 - total running hours, loaded running hours
- Automatic re-start after power cut
- Polyurethane coated enclosure
- After-cooler
- Oil thermostat
- ENDURO® air end
- Factory fill - AEON™ 3000 lubricant

Optional Extras

- Special voltages
- Moisture separator and drain
- Communications / sequencing module
- Multi-compressor controller to sequence
- Compressed air after treatment products

For additional information please contact your local representative or

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ESE 18 - 37 Series Screw Compressors



GD GARDNER DENVER®
COMPLEX NEEDS - SMARTER SOLUTIONS™

Well-designed and powerful in performance



Gardner Denver's economical Solution from 18.5 up to 37 kW

The ESE range of compressors is a result of innovative design, product development and professional engineering. This robust compressor series has been developed with a combination of the knowledge of the field and the needs of our customers. If you need compressors with cost-effective functioning, low running costs and endurance, the ESE series is the right choice.

The ESE series compressors are optimal for users who want quick results. Due to its compact design, installation of the ESE compressors is effortless. As a result, you save both time and money.

Designed and manufactured in accordance with ISO 9001 and ISO 14001 certification, the ESE range meets the industry's expectations of the highest quality standards. When you use compressors of the ESE series, at the same time, you work for our environment.

Easy to use

Clear text indicator display

The controller has a four line display with menus and tactile buttons for easy navigation. Two lines display operating



AirSmart™ Controller

Controls, monitors, records.

Gardner Denver ENDURO® Compressor Air ends

The heart of a Gardner Denver compressor is the ENDURO® air end. The ENDURO® rotor profile represents the latest technology in compressor air end design.

information such as pressure, temperature, operating hours, etc. while the other two lines display advisory messages, shutdown messages, recommended part numbers and service contact information.

It is the same controller used in Gardner Denver's variable speed VS series, but programmed for load / no load operations with fixed speed compressors.

Communication and sequencing

The optional communication module allows the AirSmart™ units to talk to each other. This isn't just an hour-balancing, on/off sequencing scheme. Our controller allows the system to truly optimize efficiency because it knows the capabilities of other machines and orchestrates their operation. The communication module also allows remote monitoring of the variable speed and fixed speed units.

Provides better energy efficiency in part load operations.

Quality from A to Z



Fan

Powerful, efficient, high-performance.

Poly-v belt System

Highly efficient, operationally safe Poly-v belt drive.

Drive Motor

Robust drive motor with reserves.

Aftersales products

Gardner Denver carries a full line of aftersales products to meet your full system needs. We are committed to stocking components to support your compressed air system needs.



Easy to service

The design of these ESE packages assures that the service points are readily accessible. The enclosure side doors are hinged and removable to allow complete access to all service points. The reduced number of moving parts lowers maintenance costs as well.

Support network

Gardner Denver has a network of trained service providers available whenever needed to keep your compressors in top form.

Gardner Denver AEON™ fluids

Gardner Denver AEON™ lubricants ensure longer lifetime of your compressor and meets all requirements:

- Mineral lubricant
- Foodgrade lubricant
- Synthetic lubricant

