Technical data

<table>
<thead>
<tr>
<th>Model</th>
<th>Maximum pressure*</th>
<th>Capacity at nom. pressure**</th>
<th>Motor power</th>
<th>Net weight</th>
<th>Sound level</th>
<th>Noise level*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>[psi]</td>
<td>[ft³/min]</td>
<td>[hp]</td>
<td>[kg]</td>
<td>[dB(A)]</td>
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<td>ES 45</td>
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<td>110</td>
<td>7.95</td>
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<td>190</td>
<td>8.86</td>
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<td>75</td>
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</tbody>
</table>

* For RD models max. pressure is 0.25 bar less.
** Capacity measured in accordance with Cagi Pneurop PN2CPTC2.
*** Noise level measured in accordance with Cagi Pneurop PN8NTC2.2 ±3 dB (A) with Super Novox enclosure.

Specifications subject to change without notice.

Gardner Denver • ES 45-75 • GB • 0406 • 1500 • Printed in Finland by Hermes • jps-mainos.fi

Screw Compressors

45 - 75 kW – 50 Hz

Peace of mind you can depend on with ENDURO® AND TEMPEST®

Enduring quality

The ES 45-75 kW compressor series features the proven ENDURO® Plus oil-injected screw compressor for heavy-duty service. The ENDURO® Plus has set new standards for air end endurance and efficiency. This air end can be economically used in a wide range of industrial applications.

Unique Gardner Denver technology

The ENDURO® design is based on an innovative and proprietary rotor profile, resulting from almost 40 years of Gardner Denver’s expertise as an industry leader in screw compressor technology.

• Unique lobe combination for short seal line means fewer leaks
• Patented rotor profile achieves maximum performance and high efficiency
• Ultra-modern manufacturing technology guarantees high and consistent quality

The number one use

Numerous global screw compressor manufacturers regard ENDURO® as their absolute choice and well over 150,000 ENDURO® units have made their mark as the number one in the world market.

Once you’ve seen for yourself how ENDURO® works, we’re sure you’ll agree that its endurance and quality outperform anything you’ve experienced before.

For additional information please contact your local representation or

Gardner Denver Oy • P.O.Box 516 • FI-33101 Tampere • Finland
Telephone +358 205 44 141 • Telefax +358 205 44 140
info@gardnerdenver.fi • www.gardnerdenver.fi

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Heavy duty for industrial use

Gardner Denver has developed its ES 45-75 kW compressor series to provide a full package of benefits for all industrial and heavy-duty compressed air applications. We have increased the capacity by several percentage points, achieved noise levels lower than ever before and made servicing quick and easy. With this compressor series, Gardner Denver reaches new dimensions of performance in the same compact size for easy transportation and placement.

With compact and sophisticated design

The integrated compressor unit

The heart of the ES 45-75 kW compressor series is the revolutionary integrated TEMPEST® compressor unit. The TEMPEST® is an excellent example of Gardner Denver’s ingenuity as a leading developer of compressor technology. With ENDURO® Plus air end, it fulfills the most demanding specifications for all kinds of industrial compressor applications.

More size – more benefits

Designed to match the ES 45-75 kW compressor series, the TEMPEST® 25 provides unbeatable benefits.

- Compact cast-iron design
- ENDURO® Plus 25 air end for record-breaking reliability
- Completely leak-tight o-ring design
- Reduced noise levels

Superior oil separation

The TEMPEST® features an innovative three-stage oil separation system which is superior to the oil separation of any other oil-lubricated screw compressor. The result is an oil carry-over of less than 2.0 mg/m³.

- Superior oil separation efficiency
- Single and intermediate oil separation systems
- Low internal pressure drop
- Original Gardner Denver innovation, in-to-out flow separator element
- Integrated discharge valve, oil filter and oil thermostat

Built-in dryer – the ‘plug and play’ option

The optional built-in refrigerated dryer reduces both extra installations and the required floor space, making the compressor easier to install.

- Low pressure drop
- Dryer dew point; 3°C at 25°C ambient.

A new approach to user-friendliness

Perfect choice for performance

Gardner Denver’s ES 45-75 kW series is in a class of its own. With its efficient super silencer, even the largest compressor operates at only 71 dB(A)***.

Your silent partner

When it comes to noise reduction, the 45-75 kW compressor series is in a class of its own. With its efficient super silencer, even the largest compressor operates at only 71 dB(A)***.

A full package of benefits for you

- Increased output
- Low noise levels
- 30% less parts than in conventional compressors
- Unique, leak-tight TEMPEST® design
- Automatic bolt-tensioning
- Advanced AirPilot controls
- Built-in dryer for easy ‘plug and play’ assembly

These benefits represent savings in both energy consumption and maintenance time. At Gardner Denver, we strongly believe that the ES 45-75 kW series will set the standard for efficient and environmentally sound industrial compressors for years to come.

Loss maintenance

With 30% less parts, the ES 45-75 kW compressor series needs less maintenance and requires less stock of spare parts. With all service points accessible from one side, these compressors are easier to service and assemble than ever.

AirPilot for a steady compressor run and proactive service

Reliable AirPilot controls facilitate digital readings for the most common compressor variables. An advanced service countdown indicator tells you when the next service is due, thereby enabling proactive service planning.

- Easy-to-understand symbols, such as pressure, temperature and dryer dew point
- User-configurable settings

Automatic bolt-tensioning

The simple yet advanced bolt-tensioning is automatic. It provides the optimal belt tension in all operating conditions – no additional adjusting required.

- Extended belt life – no wear and tear from extra pulleys
- Quick and easy belt change in less than a minute without tools

High-efficiency, high-quality motors

Electra Screw motors are yet another example of high quality and high efficiency. Gardner Denver uses the best electric motors available.

- IP55 protection
- Insulation class F
- Thermistor protection