

ROBUSCH[®]

by Gardner Denver

ROBOX 
DIRECT

Rotary Lobe Blower Package



**Smart Solution
for Enhanced
Efficiency**



Premium performance from a unique, space-saving design

At Robuschi we understand that premium performance must also embrace the highest possible environmental standards. Therefore, we design and manufacture equipment with uncompromising quality and reliability to not only meet, but exceed the demands of different applications.

Our excellent application know-how and constant pursuit of technological perfection has led to the complete redesign of our rotary lobe blowers, delivering the unique Robox Direct, which is suitable for every industry.

Rotary lobe blowers are a reliable and proven component for every application in a wide array of industries, such as pneumatic conveying, waste water treatment, chemical production, and many others. Nowadays, lack of available on-site space is a real challenge for many plants. Therefore, a small footprint is a key requirement for modern blowers.

Thanks to its small footprint and compact design, Robox Direct can be quickly and easily integrated into your existing compressor room, while also being suitable for upgraded plants.

In addition, the technology uses a direct-driven motor without gears or belts, which maximizes efficiency and regulates the flow according to the application and its demands. Regulated speed also ensures that no energy is wasted.

The total efficiency is improved by 8% compared to a traditional lobe belt transmission version.

Fewer components

- Increased reliability and ease of installation.

Modular design

- Robox is stackable, so it can be installed on scaffold structures for those with space constraints.
- Side by side installation.

Reduced noise levels

- Improved sound enclosure, complete close base and different concept of inside silencer provide noise level reduction, granting low noise levels of <75 dB(A).





Small footprint

- The compact design requires on average, 33% less floor space than a conventional PD blower package.

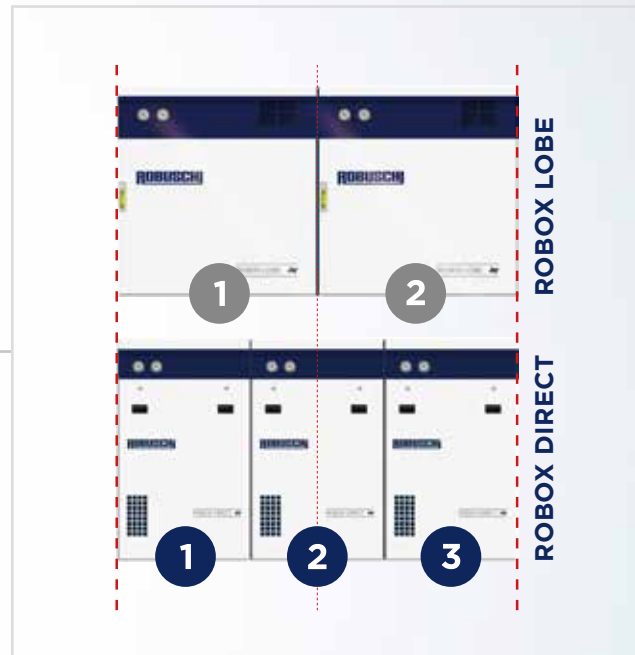


Direct coupling

- Prevents transmission efficiency losses and also reduces costs associated with servicing.

Cooling air-out circulation

- The improved cooling air outlet allows extracting air, granting better ventilation of the unit also with critical environmental conditions.



Ease of access

- Enclosure panels slide off to allow full access for servicing and maintenance.
- Front panels are easily removed.

Extended “uptime” and low servicing costs

- Scheduled servicing is easily completed via the front of the unit.
- Simplified oil filling and drainage.
- Relief valve settable (RVP 80).

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Technical Features

Pressure range up to 1,000 mbar (g)

Volume flow up to 700 m³/hr

Motor power 22 or 30 kW

Footprint

With noise enclosure: 770 x 1,435 mm

Height: 1,290 mm

Weight: 650 kg

Piping connection: DN100 (1 outlet)

Without noise enclosure: 300 x 1,435 mm

Height: 1,118 mm

Weight: 525 kg

Piping connection: DN100 (1 outlet)



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