RB-DV series of rotary three lobe IC blowers can operate at high vacuum levels thanks to a ROBUSCHI patented device that injects atmospheric air.

The new patented device allows the blower to operate at maximum vacuum without overheating.

RB-DV series blowers can reach vacuum levels of up to 0.5% on a dead head -28" Hg without the need to water inject or use an upstream heat exchanger. Consequently lowering installation and operating costs.

Main blowers features are:

- Vacuum rate up to 90% (blank -28" Hg) and 90% -27" Hg continuous;
- Nominal capacity from 440 to 15,500 m³/h. from 400 CFM to 6260 CFM;
- Gas and vapours can be handled;
- Lack of sliding parts, reduced wear;
- Safe operation environmentally friendly;
- No oil mist.

Available RB-DV in ATEX version on request.

### APPLICATIONS

RB-DV series blowers are selected by applications requiring vacuum levels greater than 50% or 15" Hg for applications requiring vacuum 0-50% / 0-15" Hg see ROBUSCHI RBS PD blowers.

RB-DV series blowers are used in the following applications:

- Vacuum triacs: handling wet and/or dry waste
- Industrial vacuuming etc...
- Pneumatic conveying
- (Ash transport, Chemicals, Pharmaceuticals industry etc...)
- Central vacuum systems
- Packaging, Vacuum cleaning etc...
- Evaporation plants
- Radio extraction, Bird production, etc...

Available complete and compact groups for truck applications (789-DV).

### PERFORMANCE

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<th>CFM</th>
<th>kW</th>
<th>BHP</th>
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### OVERALL DIMENSIONS

#### RB-DV ... V

| Dimension | X | Y | Z | W | D | E | F | G | H | I | L | M | Q | S | U | V | W | Z | X | Y | R1 | X1 | X2 | Y1 | kg | lbs |
| mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | kg | lbs |
| inches | | | | | | | | | | | | | | | | | | | | | | | | | | | | kg | lbs |

#### RB-DV ... H

| Dimension | X | Y | Z | W | D | E | F | G | H | I | L | M | Q | S | U | V | W | Z | X | Y | R1 | X1 | X2 | Y1 | kg | lbs |
| mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | kg | lbs |
| inches | | | | | | | | | | | | | | | | | | | | | | | | | | | | kg | lbs |

### VACUUM

| Dimension | X | Y | Z | W | D | E | F | G | H | I | L | M | Q | S | U | V | W | Z | X | Y | R1 | X1 | X2 | Y1 | kg | lbs |
| mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | kg | lbs |
| inches | | | | | | | | | | | | | | | | | | | | | | | | | | | | kg | lbs |

### ARRANGEMENT

| Detail | DN | M | I | L | Q | S | U | V | W | Z | X | Y | R1 | X1 | X2 | Y1 | kg | lbs |
| mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | kg | lbs |
| inches | | | | | | | | | | | | | | | | | | | | | | | | | | | | kg | lbs |
TRB-DV

TRB-DV is a completely assembled compact group, with a noise enclosure developed for vacuum truck handling wet and/or dry waste. It is possible to install this group with up to 5˚ degree of slope. The noise side can be made by either hydraulic motor or a belt transmission.

TRB-DV group main features are:
- No oil mist from the blower discharged into the environment;
- No water cooling required;
- Compact design allows easy positioning on truck and takes up less space;
- Single ventilation thanks to front mounted air-gases giving clear view of all levels and easy access to cleaning and maintenance;
- Options available: left side opening door and left side opening door and counter clockwise; right side opening door and right side opening door and counter clockwise;
- Stainless steel noise enclosure available on request.

TRB-DV can replace liquid ring vacuum pumps and vane vacuum pumps.

TRB-DV - OVERALL DIMENSIONS

Left side opening door enclosure.
Right side opening door enclosure available too.

*Free field 7m - 22,967'

TRB-DV - NOISE LEVEL ISO 3746 *

Sound pressure level dB(A) Vacuum rate %

ACCESSORIES

SPS SDF SCE / SDL

Spack device Cooling device Absorption device

ROBUSCHI evolution suction group with RB-DV air injection vacuum blower:
- Silent operation;
- Simple inspection: thanks to the new levels positioned on the front panel of the enclosure;
- Monitored operation;
- Compact construction.

For more detailed information, consult BLOWERS catalogue.

MANIFOLDS

Exaust silencer Cooling silencer Absorption silencer

Third inlet manifolds conveying cooling air. The following versions are available: CC, short manifold, and CL, long manifold.

Check the compatibility according to the machine's configuration.

MANIFOLDS

ACCESSORIES

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The Vacuum Blowers

It is policy of Robuschi to always improve its products and the right is reserved to alter specifications at any time without prior notice.

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