

# COBRA NC 0100–0300 B ECOTORQUE

Dry screw vacuum pumps



**VACUUM SOLUTIONS**

Part of the **BUSCH** GROUP



## Efficient

High energy savings thanks to the variable speed drive (ECOTORQUE), Ecomode with automatic start and stop function, reduced maintenance costs, long service intervals, extended pump lifetime, efficient cooling systems

## Flexible

Precise adjustment of vacuum level (pressure control) and pumping speed (speed control) to process requirements, compatible with a wide range of supply voltages, easy control and monitoring of up to eight vacuum pumps with optional ECOTORQUE Master Control

## High performance

Advanced screw design, patented self-balancing screws, fast pump-down times, perfectly suited for heat treatment, coating, vacuum drying and carbon capture

Accessories, spare parts and options

- Purge gas system
- Sealing gas supply
- Dilution gas supply
- Connection adapter to connect ISO or ASME flanges
- Non-return valve
- Exhaust gas silencer
- Air cooling
- Various sealing and coating configurations

# COBRA NC 0100-0300 B ECOTORQUE

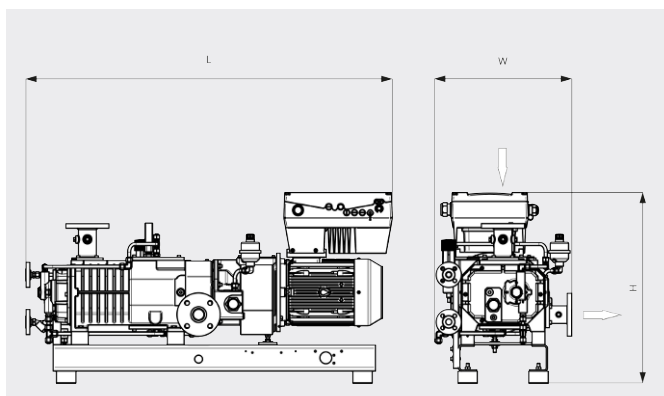
Dry screw vacuum pumps



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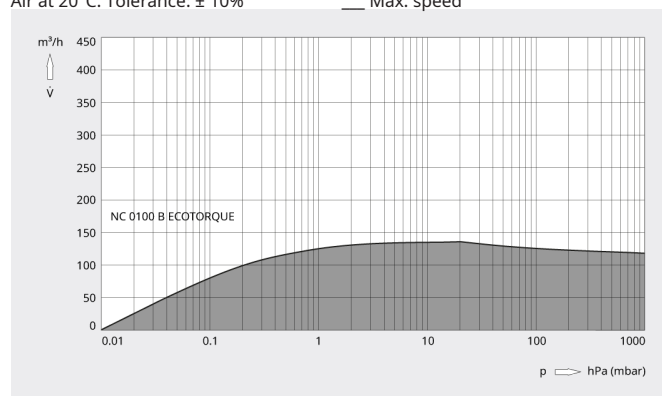
Dimensional drawing



Pumping speed

Air at 20°C. Tolerance:  $\pm 10\%$

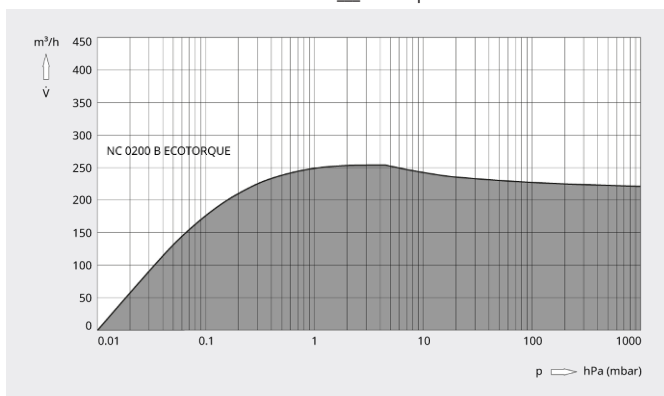
\_\_\_ Max. speed



Pumping speed

Air at 20°C. Tolerance:  $\pm 10\%$

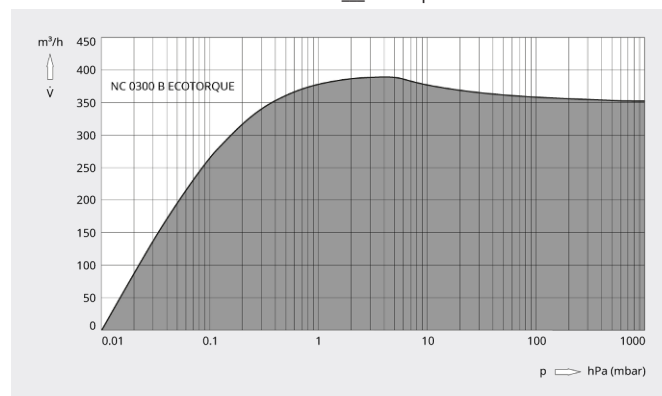
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Pumping speed

Air at 20°C. Tolerance:  $\pm 10\%$

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|                                             | COBRA NC 0100 B ECOTORQUE               | COBRA NC 0200 B ECOTORQUE               | COBRA NC 0300 B ECOTORQUE               |
|---------------------------------------------|-----------------------------------------|-----------------------------------------|-----------------------------------------|
| Pumping speed                               | max. 130 m <sup>3</sup> /h (50 / 60 Hz) | max. 265 m <sup>3</sup> /h (50 / 60 Hz) | max. 385 m <sup>3</sup> /h (50 / 60 Hz) |
| Ultimate pressure                           | ≤ 0.01 hPa (mbar)                       | ≤ 0.01 hPa (mbar)                       | ≤ 0.01 hPa (mbar)                       |
| Nominal motor rating                        | 4.8 kW                                  | 7.6 kW                                  | 9.5 kW                                  |
| Nominal motor speed                         | 3600 min <sup>-1</sup>                  | 3600 min <sup>-1</sup>                  | 3600 min <sup>-1</sup>                  |
| Sound pressure level (ISO 2151), KpA = 3 dB | ≤ 74 dB(A)                              | ≤ 76 dB(A)                              | ≤ 77 dB(A)                              |
| Weight approx.                              | 300 kg                                  | 350 kg                                  | 400 kg                                  |
| Dimensions (L x W x H)                      | 1180 x 514 x 678 mm                     | 1263 x 514 x 700 mm                     | 1398 x 514 x 726 mm                     |
| Gas inlet / outlet                          | DN 40 PN 16 / DN 40 PN 16               | DN 50 PN 16 / DN 50 PN 16               | DN 50 PN 16 / DN 50 PN 16               |

## DO YOU WANT TO KNOW MORE?

Get in touch with us directly!



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