

COBRA NC 0400–1000 B/C

Dry screw vacuum pumps



High performance

Advanced screw design, patented self-balancing screws, perfectly suited for chemical processes, distillation and vacuum drying

Efficient

Low cost of ownership, minimal maintenance, long service intervals, high uptime, efficient water cooling

Flexible

Air cooling, various sealing and coating configurations as well as ATEX-certified versions available

Accessories

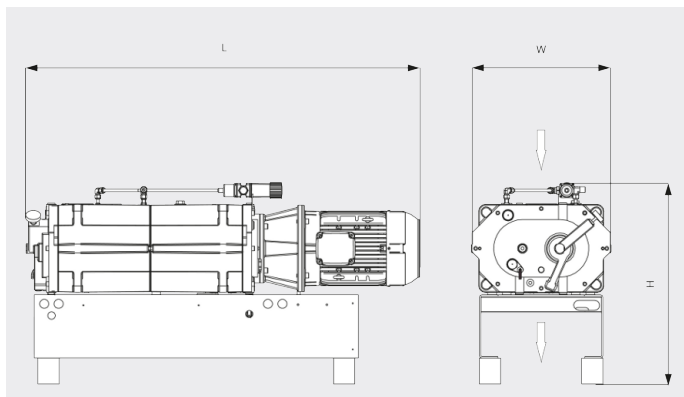
- Various sealing and coating configurations
- ATEX-certified versions available

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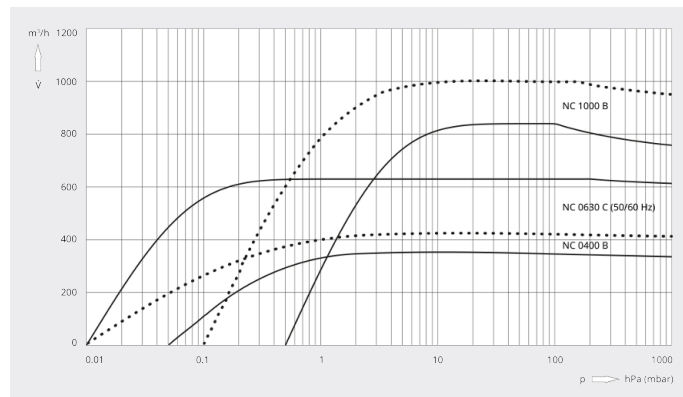
Dimensional drawing



Pumping speed

Air at 20°C. Tolerance: $\pm 10\%$

— 50 Hz 60 Hz



	COBRA NC 0400 B	COBRA NC 0630 C	COBRA NC 1000 B
Nominal pumping speed	350 / 420 m³/h (50 / 60 Hz)	630 m³/h (50 / 60 Hz)	840 / 1000 m³/h (50 / 60 Hz)
Ultimate pressure	$\leq 0.05 / \leq 0.01$ hPa (mbar) (50 / 60 Hz)	≤ 0.01 hPa (mbar) (50 / 60 Hz)	$\leq 0.5 / \leq 0.1$ hPa (mbar) (50 / 60 Hz)
Nominal motor rating	7.5 / 9.5 kW (50 / 60 Hz)	15.0 / 17.0 kW (50 / 60 Hz)	22.0 / 25.0 kW (50 / 60 Hz)
Nominal motor speed	3000 / 3600 min ⁻¹ (50 / 60 Hz)	3000 / 3600 min ⁻¹ (50 / 60 Hz)	3000 / 3600 min ⁻¹ (50 / 60 Hz)
Noise level (ISO 2151)	66 / 69 dB(A) (50 / 60 Hz)	70 / 75 dB(A) (50 / 60 Hz)	74 / 81 dB(A) (50 / 60 Hz)
Weight approx.	500 kg	600 kg	1500 kg
Dimensions (L x W x H)	1367 x 480 x 700 mm	1502 x 602 x 640 mm	1928 x 620 x 974 mm
Gas inlet / outlet	DN 80 PN 6 / DN 63 ISO-K	DN 100 ISO-K / DN 100 ISO-K	DN 125 PN 16 / DN 125 PN 16

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VACUUM SOLUTIONS

	COBRA NC 0400 B	COBRA NC 0630 C	COBRA NC 1000 B
Pumping speed	247 ACFM	371 ACFM	590 ACFM
Ultimate pressure	≤ 0.0075 TORR	≤ 0.0075 TORR	≤ 0.075 TORR
Nominal motor rating	15 HP	20 HP	40 HP
Nominal motor speed	3600 RPM	3600 RPM	3600 RPM
Noise level (ISO 2151)	69 dB(A)	75 dB(A)	81 dB(A)
Weight approx.	1433 Lbs.	1645 Lbs.	3050 Lbs.
Dimensions (L x W x H)	71.5 x 23.6 x 30.7 inches	71.3 x 29.9 x 30.4 inches	92 x 35.1 x 42.9 inches
Gas inlet / outlet	3" ANSI/NPT / 3" ANSI/NPT	3" ANSI/NPT / 3" ANSI/NPT	5" ANSI/NPT / 5" ANSI/NPT

DO YOU WANT TO KNOW MORE?

Get in touch with us directly!
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