

COBRA BC 0601-1200 A/G

Dry screw vacuum pumps



VACUUM SOLUTIONS



High performance

Advanced screw design, bell-shaped construction, patented self-balancing screws, excellent running qualities, integrated vacuum booster, perfectly suited for cold atomic layer deposition processes, load lock and transfer chambers, metrology, lithography, physical vapor deposition, rapid thermal annealing and etching processes like oxide, silicon and metal

Efficient

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

Compact

Fit-in-place design, directly mounted canned motor, backing pump and vacuum booster combined on a compact base frame

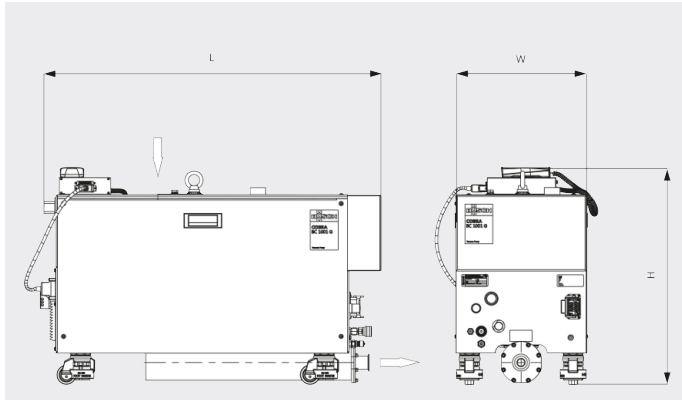
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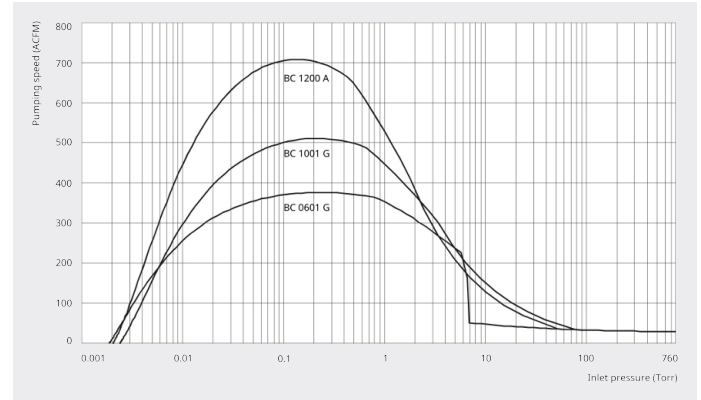
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Dimensional drawing



Pumping speed

Air at 70°F. Tolerance: ± 10%



	COBRA BC 0601 G	COBRA BC 1001 G	COBRA BC 1200 A
Nominal pumping speed	376.6 ACFM	512.0 ACFM	706.2 ACFM
Ultimate pressure	0.00225 TORR	0.00225 TORR	0.00225 TORR
Nominal motor rating backing pump	2.0 HP	2.0 HP	2.0 HP
Nominal motor rating vacuum booster	2.4 HP	3.9 HP	5.4 HP
Power consumption at ultimate pressure / idle mode	2.3 / 2.3 HP	1.6 / 1.6 HP	1.7 / 1.7 HP
Nominal motor speed backing pump	3000 RPM	3000 RPM	3000 RPM
Nominal motor speed vacuum booster	3600 RPM	5400 RPM	5400 RPM
Noise level (ISO 2151)	62 dB(A)	62 dB(A)	62 dB(A)
Water consumption	min. 3.0-4.0 l/min	min. 3.0-4.0 l/min	min. 4.0-5.0 l/min
Nitrogen consumption	0 - 70 l/min	0 - 70 l/min	0 - 70 l/min
Weight approx.	693 Lbs.	682 Lbs.	693 Lbs.
Dimensions (L x W x H)	35.6 x 13.9 x 26 inches	41.5 x 16.7 x 24.2 inches	41.5 x 16.7 x 24.2 inches
Gas inlet / outlet	DN 63 ISO-K / DN 40 ISO-KF	DN 100 ISO-K / DN 40 ISO-KF	DN 160 ISO-K / DN 40 ISO-KF

DO YOU WANT TO KNOW MORE?

Get in touch with us directly!
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