

COBRA BC 0601–1200 A/G

Dry screw vacuum pumps



Discover all advantages of the product series COBRA BC

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

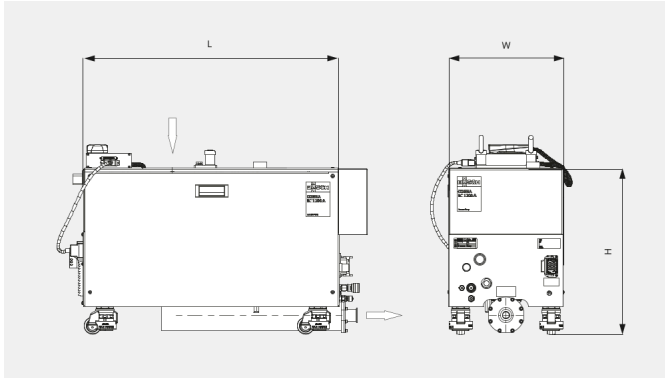
Fit-in-place design, directly mounted canned motor, backing pump and vacuum booster combined on a compact base frame

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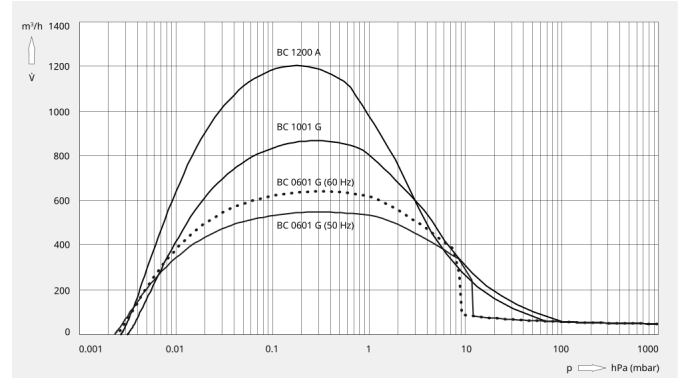


Dimensional drawing



Pumping speed

Air at 20 °C. Tolerance: ± 10%



The following technical values refer to ISO 50 Hz

	COBRA BC 0601 G	COBRA BC 1001 G	COBRA BC 1200 A
Nominal pumping speed	550 m³/h	870 m³/h	1200 m³/h
Ultimate pressure	0.003 hPa (mbar)	0.003 hPa (mbar)	0.003 hPa (mbar)
Nominal motor rating backing pump	1.5 kW	1.5 kW	1.5 kW
Nominal motor rating vacuum booster	1.5 kW	2.9 kW	4.0 kW
Power consumption at ultimate pressure	1.7 kW	1.7 kW	1.9 kW
Power consumption idle mode	1.7 kW	1.2 kW	1.3 kW
Nominal motor speed backing pump	3000 min ⁻¹	3000 min ⁻¹	3000 min ⁻¹
Nominal motor speed vacuum booster	3000 min ⁻¹	5400 min ⁻¹	5400 min ⁻¹
Sound pressure 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.	315 kg	310 kg	360 kg
Dimensions (L x W x H)	905 x 354 x 660 mm	1054 x 425 x 615 mm	1054 x 425 x 615 mm
Gas inlet	DN 63 ISO-K	DN 100 ISO-K	DN 160 ISO-K
Gas outlet	DN 40 ISO-KF	DN 40 ISO-KF	DN 40 ISO-KF

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The following technical values refer to ISO 60 Hz

	COBRA BC 0601 G	COBRA BC 1001 G	COBRA BC 1200 A
Nominal pumping speed	640 m ³ /h	870 m ³ /h	1200 m ³ /h
Ultimate pressure	0.003 hPa (mbar)	0.003 hPa (mbar)	0.003 hPa (mbar)
Nominal motor rating backing pump	1.5 kW	1.5 kW	1.5 kW
Nominal motor rating vacuum booster	1.8 kW	2.9 kW	4.0 kW
Power consumption at ultimate pressure	1.7 kW	1.7 kW	1.9 kW
Power consumption idle mode	1.7 kW	1.2 kW	1.3 kW
Nominal motor speed backing pump	3000 min ⁻¹	3000 min ⁻¹	3000 min ⁻¹
Nominal motor speed vacuum booster	3600 min ⁻¹	5400 min ⁻¹	5400 min ⁻¹
Sound pressure 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.	315 kg	310 kg	360 kg
Dimensions (L x W x H)	905 x 354 x 660 mm	1054 x 425 x 615 mm	1054 x 425 x 615 mm
Gas inlet	DN 63 ISO-K	DN 100 ISO-K	DN 160 ISO-K
Gas outlet	DN 40 ISO-KF	DN 40 ISO-KF	DN 40 ISO-KF

DO YOU WANT TO KNOW MORE

Please contact us!
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