COBRA DS 0700–2000 G

Dry screw vacuum pumps

PFEIFFER VACUUM+FAB SOLUTIONS

Part of the BUSCH GROUP

High performance

Advanced screw design, excellent running qualities, integrated vacuum booster, perfectly suited for chemical vapor deposition, rapid thermal processing or atomic layer deposition

Efficient

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

Compact

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

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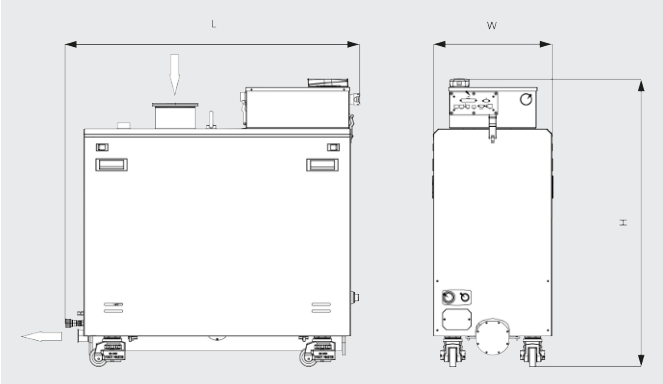
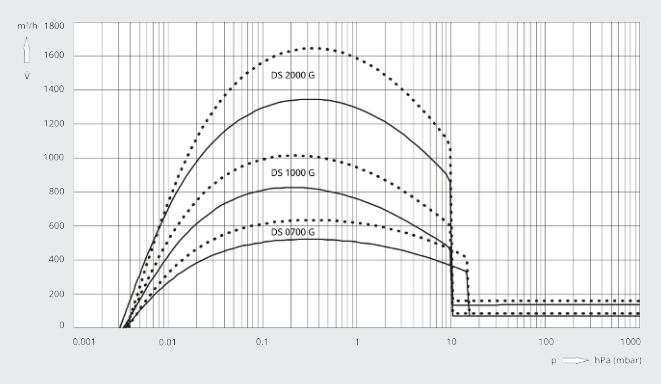
Dimensional drawing



Pumping speed

Air at 20°C. Tolerance: ± 10% ___ 50 Hz ..... 60 Hz



	COBRA DS 0700 G	COBRA DS 1000 G	COBRA DS 2000 G
Nominal pumping speed	500 / 610 m³/h (50 / 60 Hz)	775 / 960 m³/h (50 / 60 Hz)	1365 / 1640 m³/h (50 / 60 Hz)
Ultimate pressure	0.003 hPa (mbar) (50 / 60 Hz)	0.003 hPa (mbar) (50 / 60 Hz)	0.003 hPa (mbar) (50 / 60 Hz)
Nominal motor rating backing pump	4.0 / 4.4 kW (50 / 60 Hz)	4.0 / 4.4 kW (50 / 60 Hz)	5.5 / 6.6 kW (50 / 60 Hz)
Nominal motor rating vacuum booster	4.0 / 4.4 kW (50 / 60 Hz)	4.0 / 4.4 kW (50 / 60 Hz)	5.5 / 6.6 kW (50 / 60 Hz)
Power consumption at ultimate pressure / idle mode	3.0 / 3.6 kW (50 / 60 Hz)	3.3 / 4.0 kW (50 / 60 Hz)	5.6 / 6.8 kW (50 / 60 Hz)
Nominal motor speed backing pump	3000 / 3600 min^{-1} (50 / 60 Hz)	3000 / 3600 min^{-1} (50 / 60 Hz)	3000 / 3600 min^{-1} (50 / 60 Hz)
Nominal motor speed vacuum booster	3000 / 3600 min^{-1} (50 / 60 Hz)	3000 / 3600 min^{-1} (50 / 60 Hz)	3000 / 3600 min^{-1} (50 / 60 Hz)
Sound pressure level (ISO 2151), KpA = 3 dB	< 62 dB(A) (50 / 60 Hz)	< 62 dB(A) (50 / 60 Hz)	< 68 dB(A) (50 / 60 Hz)
Water consumption	5.0 l/min	5.0 l/min	5.0 l/min
Nitrogen consumption	0 – 75 l/min	0 – 75 l/min	0 – 75 l/min
Weight approx.	445 kg	576 kg	668 kg
Dimensions (L x W x H)	865 x 385 x 917 mm	1034 x 425 x 1017 mm	1063 x 465 x 1069 mm
Gas inlet / outlet	DN 63 / DN 40	DN 100 / DN 40	DN 160 / DN 40

Technical data / Specifications may vary depending on configuration, selected accessories, installation, and operating conditions.

DO YOU WANT TO KNOW MORE?

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or

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