COBRA DS 0080/0160 G

Dry screw vacuum pumps

PFEIFFER VACUUM+FAB SOLUTIONS

Part of the BUSCH GROUP

High performance

Advanced screw design, excellent running qualities, 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

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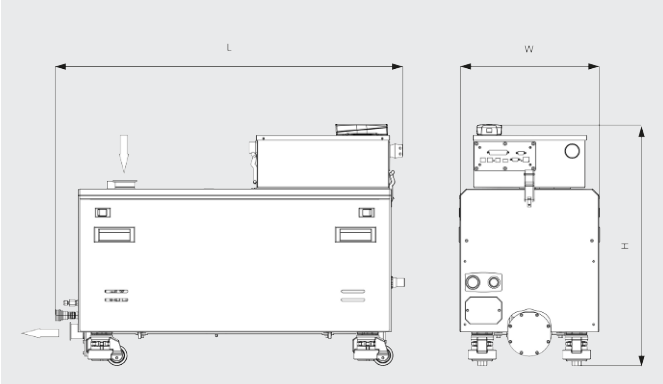
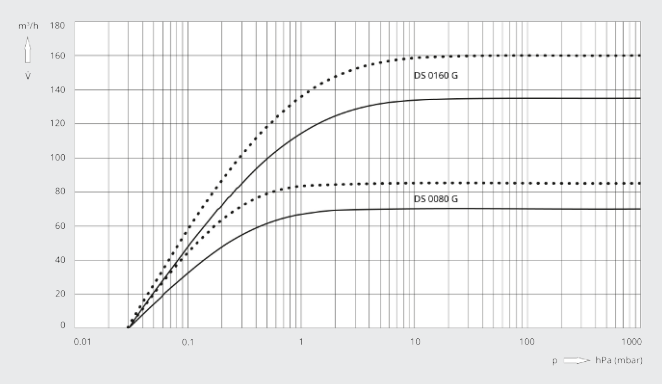
Dimensional drawing



Pumping speed

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



	COBRA DS 0080 G	COBRA DS 0160 G
Nominal pumping speed	70 / 85 m^3/h (50 / 60 Hz)	140 / 160 m^3/h (50 / 60 Hz)
Ultimate pressure	0.03 hPa (mbar) (50 / 60 Hz)	0.03 hPa (mbar) (50 / 60 Hz)
Nominal motor rating	4.0 / 4.4 kW (50 / 60 Hz)	5.5 / 6.6 kW (50 / 60 Hz)
Power consumption at ultimate pressure	2.6 / 3.2 kW (50 / 60 Hz)	4.3 / 5.2 kW (50 / 60 Hz)
Nominal motor speed	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)	< 68 dB(A) (50 / 60 Hz)
Water consumption	4.0 l/min (50 / 60 Hz)	4.0 l/min (50 / 60 Hz)
Nitrogen consumption	0 – 75 l/min (50 / 60 Hz)	0 – 75 l/min (50 / 60 Hz)
Weight approx.	276 kg	338 kg
Dimensions (L x W x H)	865 x 385 x 667 mm	975 x 425 x 697 mm
Gas inlet / outlet	DN 40 / DN 40	DN 50 / 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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