COBRA DS 3010/3161 C/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

Accessories, spare parts and options

- Optional powder process version available (only for DS 3010 G and DS 3161 C)
- Optional tantal coating

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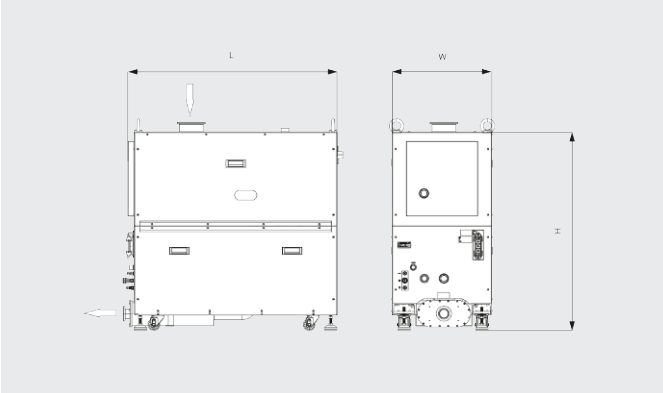
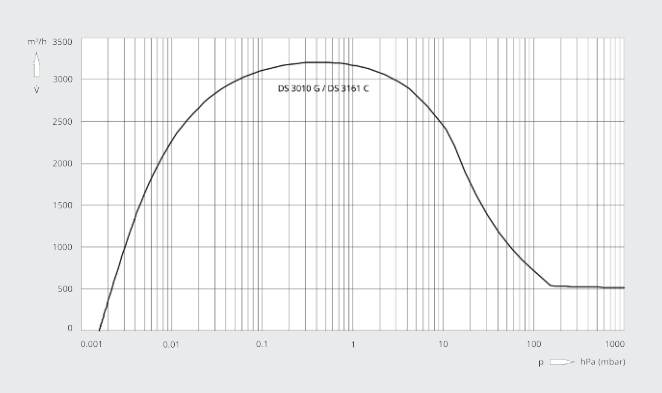
Dimensional drawing



Pumping speed

Air at 20°C. Tolerance: ± 10%



	COBRA DS 3010 G	COBRA DS 3161 C
Nominal pumping speed	3200 m^3/h	3200 m^3/h
Ultimate pressure	0.001 hPa (mbar)	0.001 hPa (mbar)
Nominal motor rating backing pump	15 kW	15 kW
Nominal motor rating vacuum booster	15 kW	15 kW
Power consumption at ultimate pressure / idle mode	11.8 / 9.9 kW	11.8 / 9.9 kW
Nominal motor speed backing pump	3600 min^{-1}	3600 min^{-1}
Nominal motor speed vacuum booster	5400 min^{-1}	5400 min^{-1}
Sound pressure level (ISO 2151), KpA = 3 dB	< 75 dB(A)	< 75 dB(A)
Water consumption	min. 10 l/min	min. 10 l/min
Nitrogen consumption	0 – 200 l/min	0 – 200 l/min
Weight approx.	1500 kg	1375 kg
Dimensions (L x W x H)	1420 x 722 x 1452 mm	1316 x 633 x 1249 mm
Gas inlet / outlet	DN 160 / DN 63	DN 160 / DN 63

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

DO YOU WANT TO KNOW MORE?

Get in touch with us directly!
or

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