

COBRA DS 3181 C

Dry screw vacuum pump



VACUUM SOLUTIONS

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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

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

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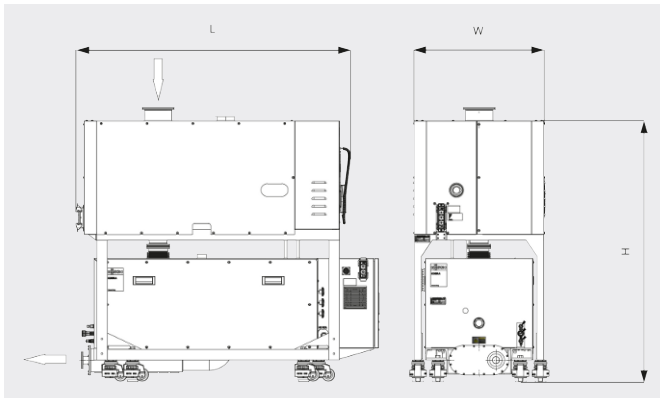
Dry screw vacuum pump



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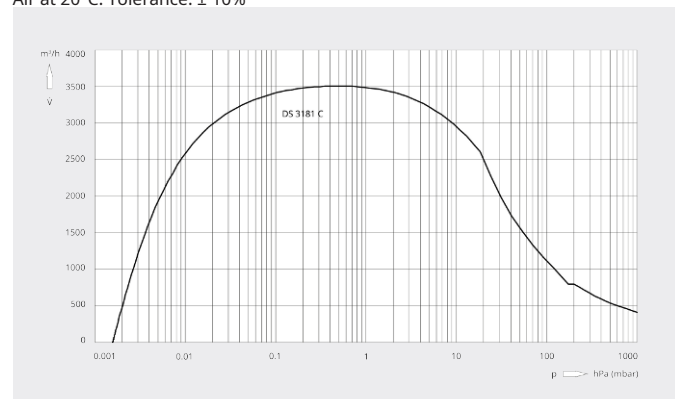
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Dimensional drawing



Pumping speed

Air at 20°C. Tolerance: $\pm 10\%$



COBRA DS 3181 C	
Nominal pumping speed	3500 m ³ /h
Ultimate pressure	0.001 hPa (mbar)
Nominal motor rating backing pump	18.5 kW
Nominal motor rating vacuum booster	15.0 kW
Power consumption at ultimate pressure / idle mode	12.4 / 10.3 kW
Nominal motor speed backing pump	4320 min ⁻¹
Nominal motor speed vacuum booster	5400 min ⁻¹
Noise level (ISO 2151)	< 75 dB(A)
Water consumption	min. 10 l/min
Nitrogen consumption	0 – 200 l/min
Weight approx.	1500 kg
Dimensions (L x W x H)	1654 x 722 x 1452 mm
Gas inlet / outlet	DN 160 / DN 63

DO YOU WANT TO KNOW MORE?

Get in touch with us directly!
sales@buschindia.com or +91 (0)124 475 1300



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