

COBRA DS 3181 C

Dry screw vacuum pump



VACUUM SOLUTIONS



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

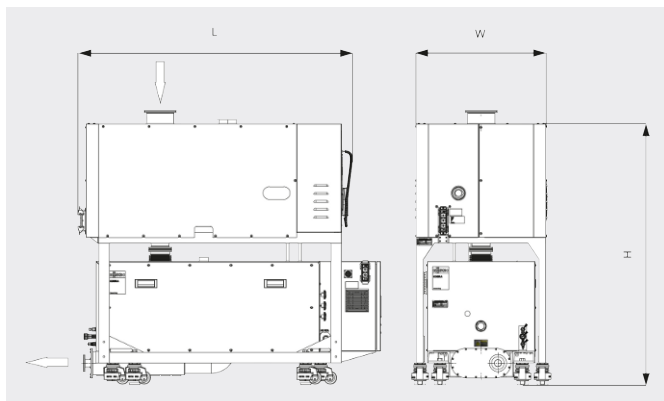
- Optional powder process version available

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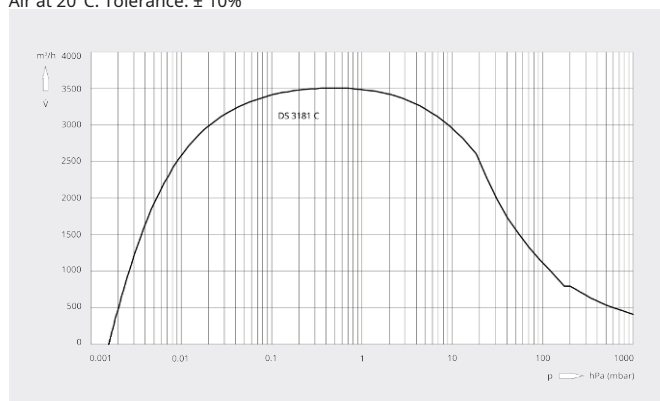


Dimensional drawing



Pumping speed

Air at 20°C. Tolerance: ± 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!
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CONTACT FORM



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