

# 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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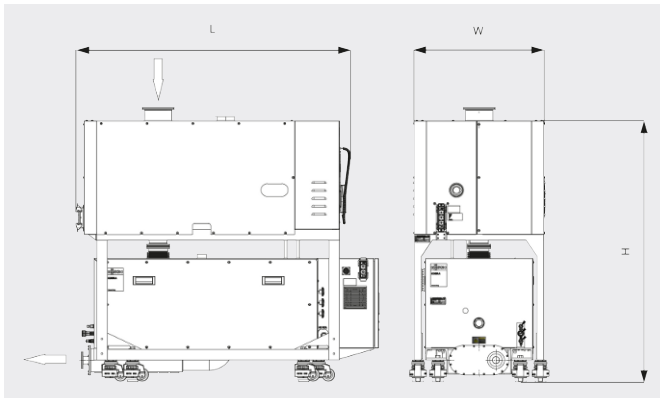
Dry screw vacuum pump



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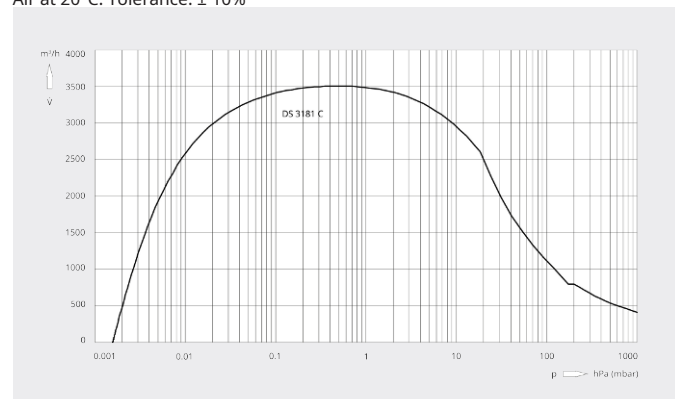
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Dimensional drawing



Pumping speed

Air at 20°C. Tolerance:  $\pm 10\%$



| COBRA DS 3181 C                                    |                        |
|----------------------------------------------------|------------------------|
| Nominal pumping speed                              | 3500 m³/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 <sup>-1</sup> |
| Nominal motor speed vacuum booster                 | 5400 min <sup>-1</sup> |
| 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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