

COBRA DS 5161-9161 B/F

Dry screw vacuum pumps



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, high hydrogen throughput

Compact

Fit-in-place design, directly mounted canned motor

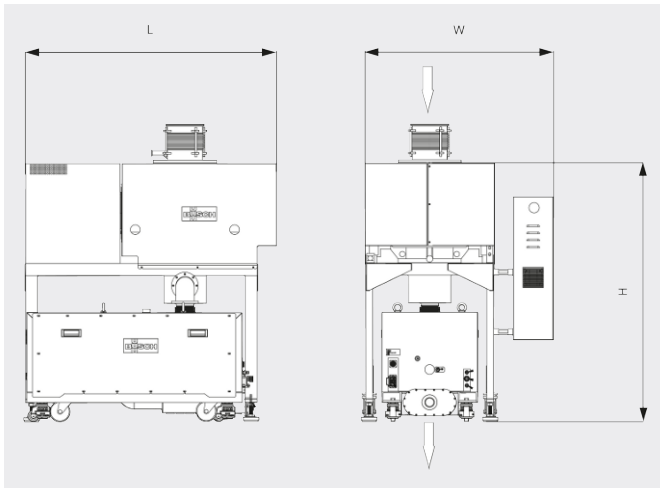
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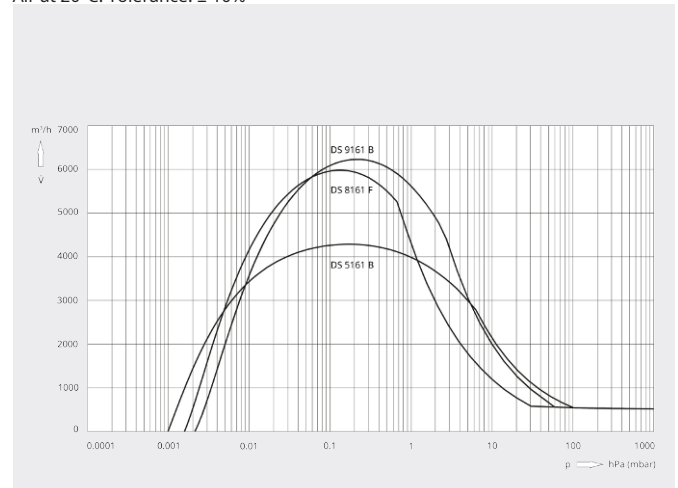
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Dimensional drawing



Pumping speed

Air at 20°C. Tolerance: ± 10%



| | COBRA DS 5161 B | COBRA DS 8161 F | COBRA DS 9161 B |
|--|------------------------|------------------------|------------------------|
| Nominal pumping speed | 4300 m³/h | 6000 m³/h | 6220 m³/h |
| Ultimate pressure | 0.001 hPa (mbar) | 0.001 hPa (mbar) | 0.001 hPa (mbar) |
| Nominal motor rating backing pump | 15 kW | 15 kW | 15 kW |
| Nominal motor rating vacuum booster | 15 kW | 15 kW | 20 kW |
| Power consumption at ultimate pressure / idle mode | 11.5 / 9 kW | 11.5 / 9 kW | 13 / 11 kW |
| Nominal motor speed backing pump | 3600 min ⁻¹ | 3600 min ⁻¹ | 3600 min ⁻¹ |
| Nominal motor speed vacuum booster | 3600 min ⁻¹ | 5400 min ⁻¹ | 3600 min ⁻¹ |
| Noise level (ISO 2151) | < 75 dB(A) | < 75 dB(A) | < 75 dB(A) |
| Water consumption | min. 15 l/min | min. 15 l/min | min. 14 l/min |
| Nitrogen consumption | 0 – 200 l/min | 0 – 200 l/min | 0 – 200 l/min |
| Weight approx. | 1500 kg | 1500 kg | 1875 kg |
| Dimensions (L x W x H) | 1550 x 722 x 1452 mm | 1441 x 627 x 1100 mm | 1567 x 810 x 1615 mm |
| Gas inlet / outlet | DN 200 / DN 63 | DN 200 / DN 63 | DN 200 / DN 63 |

DO YOU WANT TO KNOW MORE?

Get in touch with us directly!



CONTACT FORM