

# 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

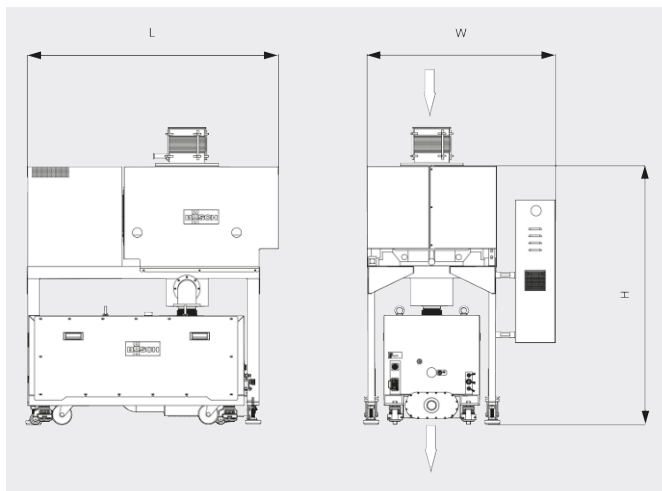
Fit-in-place design, directly mounted canned motor

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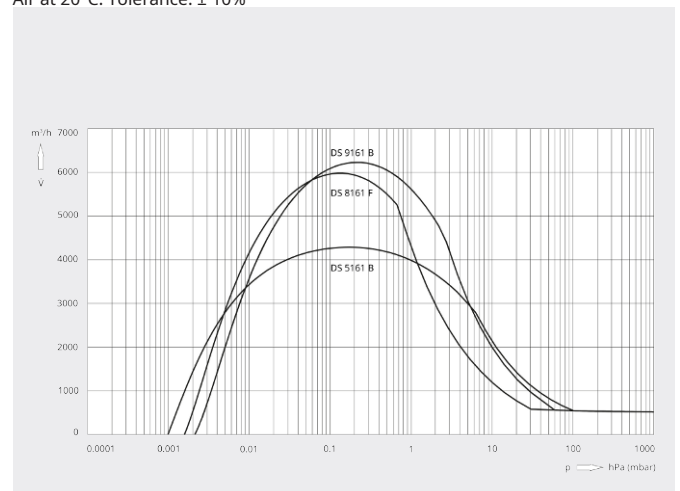
Dry screw vacuum pumps



Dimensional drawing



Pumping speed  
Air at 20°C. Tolerance: ± 10%



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

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