

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

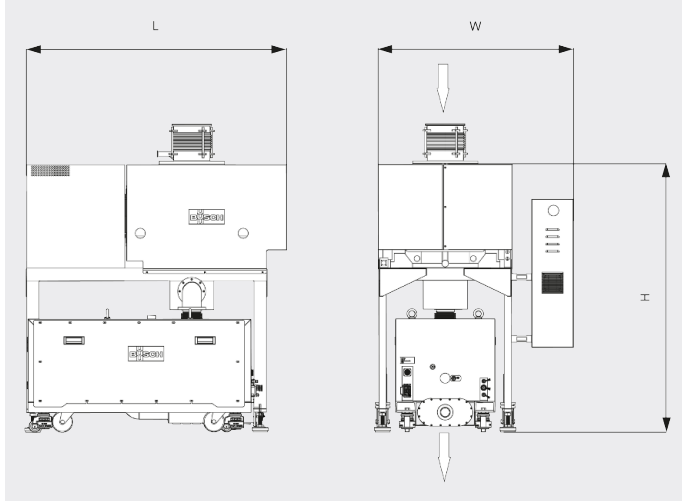
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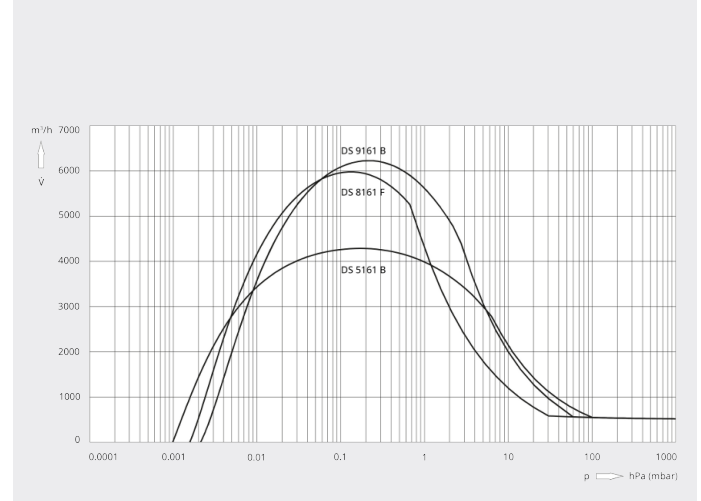
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Dimensional drawing



Pumping speed

Air at 20°C. Tolerance: ± 10%



	COBRA DS 5161 B	COBRA DS 8161 F	COBRA DS 9161 B
Nominal pumping speed	2471.7 ACFM	3531.0 ACFM	3625.2 ACFM
Ultimate pressure	0.00075 TORR	0.00075 TORR	0.00075 TORR
Nominal motor rating backing pump	20.1 HP	20.1 HP	20.1 HP
Nominal motor rating vacuum booster	20.1 HP	26.8 HP	26.8 HP
Power consumption at ultimate pressure / idle mode	16.8 / 13.4 HP	17.4 / 14.8 HP	17.4 / 14.8 HP
Nominal motor speed backing pump	3600 RPM	3600 RPM	3600 RPM
Nominal motor speed vacuum booster	3600 RPM	5400 RPM	3600 RPM
Noise level (ISO 2151)	< 75 dB(A)	< 75 dB(A)	< 75 dB(A)
Water consumption	12 l/min	13 l/min	13 l/min
Nitrogen consumption	0 – 200 l/min	0 – 200 l/min	0 – 200 l/min

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	COBRA DS 5161 B	COBRA DS 8161 F	COBRA DS 9161 B
Weight approx.	3168 Lbs.	2970 Lbs.	3960 Lbs.
Dimensions (L x W x H)	61.0 x 28.5 x 57.1 inches	56.7 x 24.6 x 43.3 inches	61.7 x 31.9 x 63.6 inches
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!
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