

# COBRA DS 0700-2000 G

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

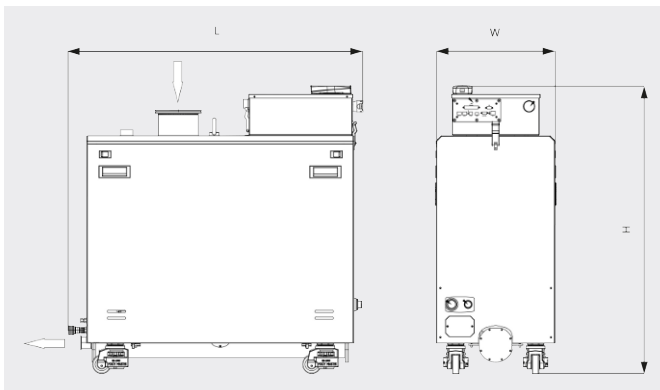
Fit-in-place design, directly mounted canned motor, backing pump and vacuum booster combined on a compact base frame

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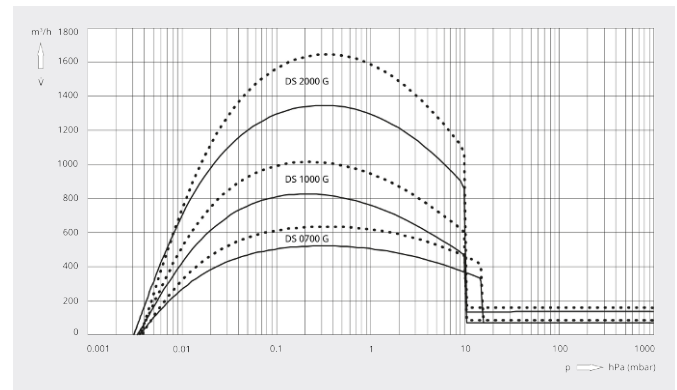
Dimensional drawing



Pumping speed

Air at 20°C. Tolerance: ± 10%

— 50 Hz ..... 60 Hz



	COBRA DS 0700 G	COBRA DS 1000 G	COBRA DS 2000 G
<b>Nominal pumping speed</b>	500 / 610 m³/h (50 / 60 Hz)	775 / 960 m³/h (50 / 60 Hz)	1365 / 1640 m³/h (50 / 60 Hz)
<b>Ultimate pressure</b>	0.003 hPa (mbar) (50 / 60 Hz)	0.003 hPa (mbar) (50 / 60 Hz)	0.003 hPa (mbar) (50 / 60 Hz)
<b>Nominal motor rating backing pump</b>	4.0 / 4.4 kW (50 / 60 Hz)	4.0 / 4.4 kW (50 / 60 Hz)	5.5 / 6.6 kW (50 / 60 Hz)
<b>Nominal motor rating vacuum booster</b>	4.0 / 4.4 kW (50 / 60 Hz)	4.0 / 4.4 kW (50 / 60 Hz)	5.5 / 6.6 kW (50 / 60 Hz)
<b>Power consumption at ultimate pressure / idle mode</b>	3.0 / 3.6 kW (50 / 60 Hz)	3.3 / 4.0 kW (50 / 60 Hz)	5.6 / 6.8 kW (50 / 60 Hz)
<b>Nominal motor speed backing pump</b>	3000 / 3600 min <sup>-1</sup> (50 / 60 Hz)	3000 / 3600 min <sup>-1</sup> (50 / 60 Hz)	3000 / 3600 min <sup>-1</sup> (50 / 60 Hz)
<b>Nominal motor speed vacuum booster</b>	3000 / 3600 min <sup>-1</sup> (50 / 60 Hz)	3000 / 3600 min <sup>-1</sup> (50 / 60 Hz)	3000 / 3600 min <sup>-1</sup> (50 / 60 Hz)
<b>Noise level (ISO 2151)</b>	< 62 dB(A) (50 / 60 Hz)	< 62 dB(A) (50 / 60 Hz)	< 68 dB(A) (50 / 60 Hz)
<b>Water consumption</b>	5.0 l/min	5.0 l/min	5.0 l/min
<b>Nitrogen consumption</b>	0 – 75 l/min	0 – 75 l/min	0 – 75 l/min
<b>Weight approx.</b>	445 kg	576 kg	668 kg
<b>Dimensions (L x W x H)</b>	865 x 385 x 917 mm	1034 x 425 x 1017 mm	1063 x 465 x 1069 mm
<b>Gas inlet / outlet</b>	DN 63 / DN 40	DN 100 / DN 40	DN 160 / DN 40

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