

# COBRA DS 0080/0160 G

Dry screw vacuum pumps



VACUUM SOLUTIONS



## High performance

Advanced screw design, excellent running qualities, 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

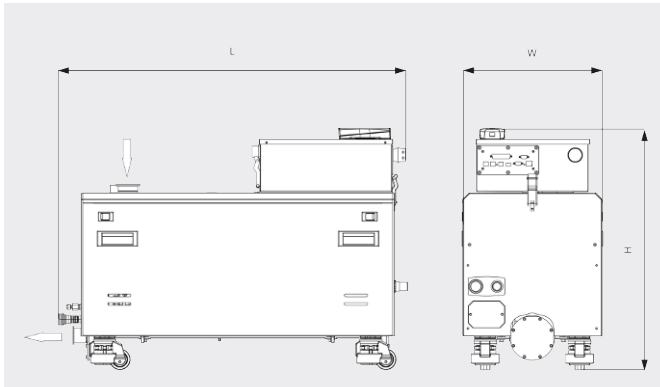
Fit-in-place design, directly mounted canned motor

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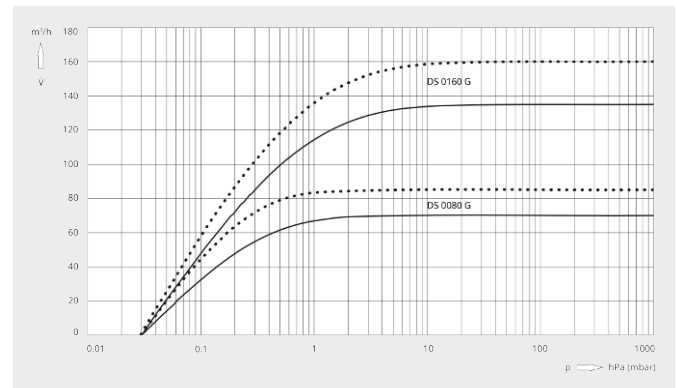
Dimensional drawing



Pumping speed

Air at 20°C. Tolerance: ± 10%

— 50 Hz ..... 60 Hz



	COBRA DS 0080 G	COBRA DS 0160 G
<b>Nominal pumping speed</b>	70 / 85 m <sup>3</sup> /h (50 / 60 Hz)	140 / 160 m <sup>3</sup> /h (50 / 60 Hz)
<b>Ultimate pressure</b>	0.03 hPa (mbar) (50 / 60 Hz)	0.03 hPa (mbar) (50 / 60 Hz)
<b>Nominal motor rating</b>	4.0 / 4.4 kW (50 / 60 Hz)	5.5 / 6.6 kW (50 / 60 Hz)
<b>Power consumption at ultimate pressure</b>	2.6 / 3.2 kW (50 / 60 Hz)	4.3 / 5.2 kW (50 / 60 Hz)
<b>Nominal motor speed</b>	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)	< 68 dB(A) (50 / 60 Hz)
<b>Water consumption</b>	4.0 l/min (50 / 60 Hz)	4.0 l/min (50 / 60 Hz)
<b>Nitrogen consumption</b>	0 – 75 l/min (50 / 60 Hz)	0 – 75 l/min (50 / 60 Hz)
<b>Weight approx.</b>	276 kg	338 kg
<b>Dimensions (L x W x H)</b>	865 x 385 x 667 mm	975 x 425 x 697 mm
<b>Gas inlet / outlet</b>	DN 40 / DN 40	DN 50 / DN 40

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