

COBRA DS 2141 A

Dry screw vacuum pump



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High performance

Advanced screw design, excellent running qualities, integrated vacuum booster, excellent powder handling capabilities, perfectly suited for semiconductor applications, flat panel display production and solar power applications

Efficient

Low cost of ownership, minimal maintenance, long service intervals, high uptime, efficient indirect water cooling, high hydrogen throughput, variable temperature control, low vibration level

Compact

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

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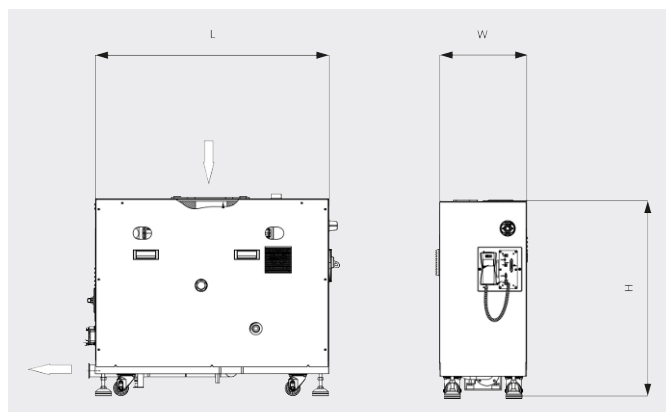
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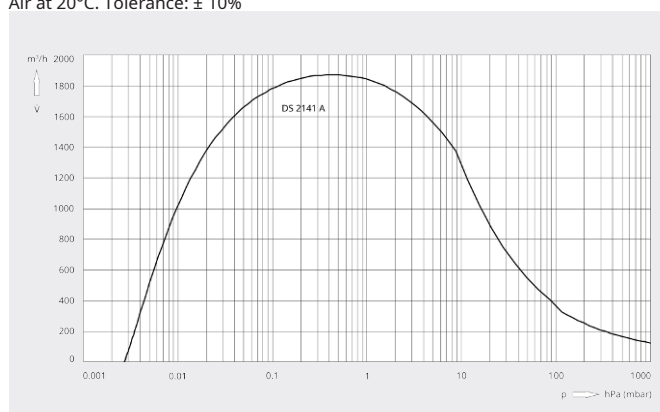
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Dimensional drawing



Pumping speed

Air at 20°C. Tolerance: $\pm 10\%$



COBRA DS 2141 A	
Nominal pumping speed	1875 m³/h
Ultimate pressure	0.003 hPa (mbar)
Nominal motor rating backing pump	7.9 kW
Nominal motor rating vacuum booster	4.0 kW
Power consumption at ultimate pressure	5.0 kW
Nominal motor speed backing pump	4320 min ⁻¹
Nominal motor speed vacuum booster	5400 min ⁻¹
Sound pressure level (ISO 2151), KpA = 3 dB	< 75 dB(A)
Water consumption	min. 7.0 – 8.0 l/min
Nitrogen consumption	0 – 75 l/min
Weight approx.	600 kg
Dimensions (L x W x H)	1133 x 425 x 954 mm
Gas inlet / outlet	DN 160 / DN 50

DO YOU WANT TO KNOW MORE?

Get in touch with us directly!



CONTACT FORM