

COBRA DS 8162/8163 B/F

Dry screw vacuum pumps



VACUUM SOLUTIONS

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High performance

Advanced screw design, excellent running qualities, integrated vacuum booster, perfectly suited for high-capacity load lock and coating processes

Efficient

Low cost of ownership, minimal maintenance, long service intervals, high uptime, efficient water cooling, high solvent throughput

Compact

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

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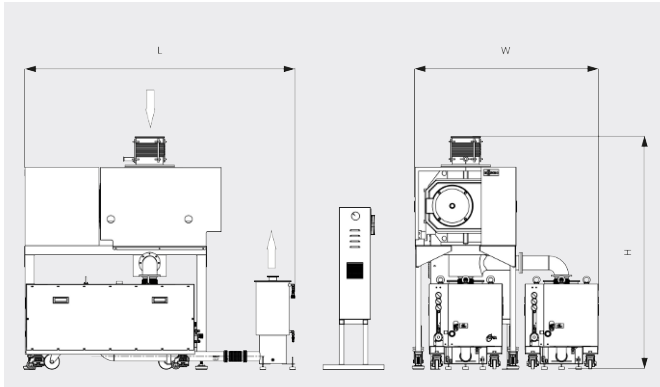
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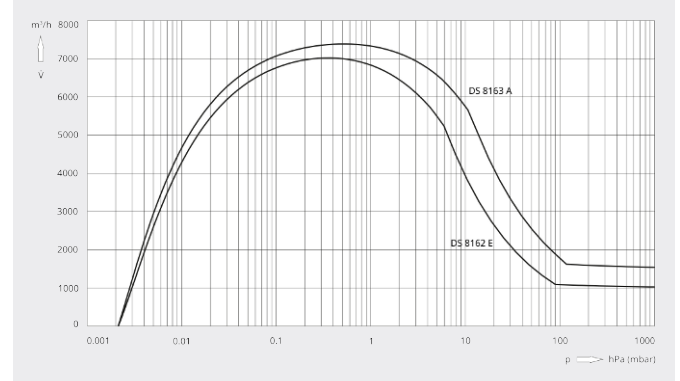
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Dimensional drawing



Pumping speed

Air at 20°C. Tolerance: $\pm 10\%$



	COBRA DS 8162 F	COBRA DS 8163 B
Nominal pumping speed	7200 m³/h	7385 m³/h
Ultimate pressure	0.001 hPa (mbar)	0.001 hPa (mbar)
Nominal motor rating backing pump	2 · 15 kW	3 · 15 kW
Nominal motor rating vacuum booster	20 kW	20 kW
Power consumption at ultimate pressure / idle mode	21 / 19 kW	30 / 28 kW
Nominal motor speed backing pump	3000 min ⁻¹	3000 min ⁻¹
Nominal motor speed vacuum booster	3000 min ⁻¹	3000 min ⁻¹
Sound pressure level (ISO 2151), KpA = 3 dB	< 78 dB(A)	< 78 dB(A)
Water consumption	22 l/min	31 l/min
Nitrogen consumption	2 · (0 – 200) l/min	3 · (0 – 200) l/min
Weight approx.	2500 kg	3325 kg
Dimensions (L x W x H)	1604 x 1470 x 1860 mm	1604 x 2114 x 1860 mm
Gas inlet / outlet	DN 200 / 2 · DN 63	DN 200 / 3 · DN 63

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