

# COBRA DS 5161/9161 B

Dry screw vacuum pumps



**VACUUM SOLUTIONS**

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## 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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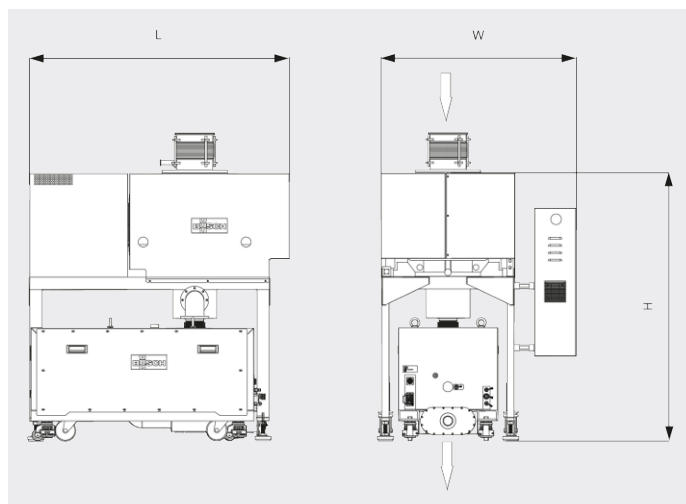
Dry screw vacuum pumps



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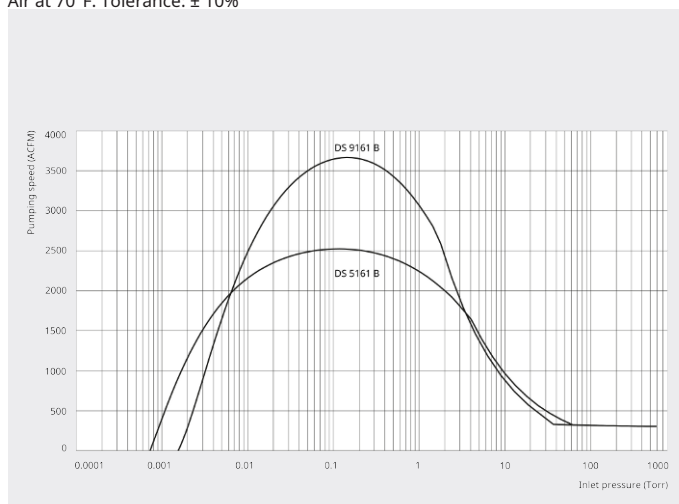
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Dimensional drawing



Pumping speed

Air at 70°F. Tolerance:  $\pm 10\%$



|                                                    | COBRA DS 5161 B | COBRA DS 9161 B |
|----------------------------------------------------|-----------------|-----------------|
| Nominal pumping speed                              | 2471.7 ACFM     | 3625.2 ACFM     |
| Ultimate pressure                                  | 0.00075 Torr    | 0.00075 Torr    |
| Nominal motor rating backing pump                  | 20.1 hp         | 20.1 hp         |
| Nominal motor rating vacuum booster                | 20.1 hp         | 26.8 hp         |
| Power consumption at ultimate pressure / idle mode | 16.8 / 13.4 hp  | 17.4 / 14.8 hp  |
| Nominal motor speed backing pump                   | 3600 rpm        | 3600 rpm        |
| Nominal motor speed vacuum booster                 | 3600 rpm        | 3600 rpm        |
| Sound pressure level (ISO 2151), KpA = 3 dB        | < 75 dB(A)      | < 75 dB(A)      |
| Water consumption                                  | 12 l/min        | 13 l/min        |
| Nitrogen consumption                               | 0 – 200 l/min   | 0 – 200 l/min   |
| Weight approx.                                     | 3306 Lbs.       | 3960 Lbs.       |

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|                        | COBRA DS 5161 B           | COBRA DS 9161 B           |
|------------------------|---------------------------|---------------------------|
| Dimensions (L x W x H) | 61.0 x 28.5 x 57.1 inches | 61.7 x 31.9 x 63.6 inches |
| Gas inlet / outlet     | DN 200 / DN 63            | DN 200 / DN 63            |

## DO YOU WANT TO KNOW MORE?

Get in touch with us directly!  
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