



Pfeiffer HiCube 700 Pro

Technical Specifications

| Pumping station | | HiCube 700 Pro | |
|---|-------------------|---------------------|----------------------|
| Flange (in) | | DN 160 ISO-K | DN 160 CF-F |
| Pumping speed for Nitrogen N ₂ | l/s | 685 | 685 |
| Ultimate pressure | | | |
| with Piston pump XtraDry 150 | mbar | $< 1 \cdot 10^{-7}$ | $< 5 \cdot 10^{-10}$ |
| with Rotary vane pump PentaLine | mbar | $< 1 \cdot 10^{-7}$ | $< 5 \cdot 10^{-10}$ |
| Pumping speed backing pump at 50 Hz | | | |
| Piston pump XtraDry 150 | m ³ /h | 7.5 | 7.5 |
| Rotary vane pump Penta 10 | m ³ /h | 11 | 11 |
| Rotary vane pump Penta 20 | m ³ /h | 22 | 22 |
| Rotary vane pump Penta 35 | m ³ /h | 34 | 34 |
| Weight pumping station: ¹⁾ | | | |
| with Piston pump XtraDry 150 | kg | 79.8 | 85.7 |
| with Rotary vane pump Penta 10 | kg | 91.8 | 97.7 |
| with Rotary vane pump Penta 20 | kg | 92.8 | 98.7 |
| with Rotary vane pump Penta 35 | kg | 94.8 | 100.7 |
| Power consumption | | | |
| with Piston pump XtraDry 150 | W | 970 | 970 |
| with Rotary vane pump Penta 10 | W | 975 | 975 |
| with Rotary vane pump Penta 20 | W | 1410 | 1410 |
| with Rotary vane pump Penta 35 | W | 1895 | 1895 |

Ultimate pressure in a measuring dome 48 hours after bake-out, can be attained only with metallic seal of the high vacuum flange. (Ultimate pressure with elastomer seal (standard, not bakeable): $< 1 \cdot 10^{-7}$ mbar.)

¹⁾ without fore-vacuum safety valve



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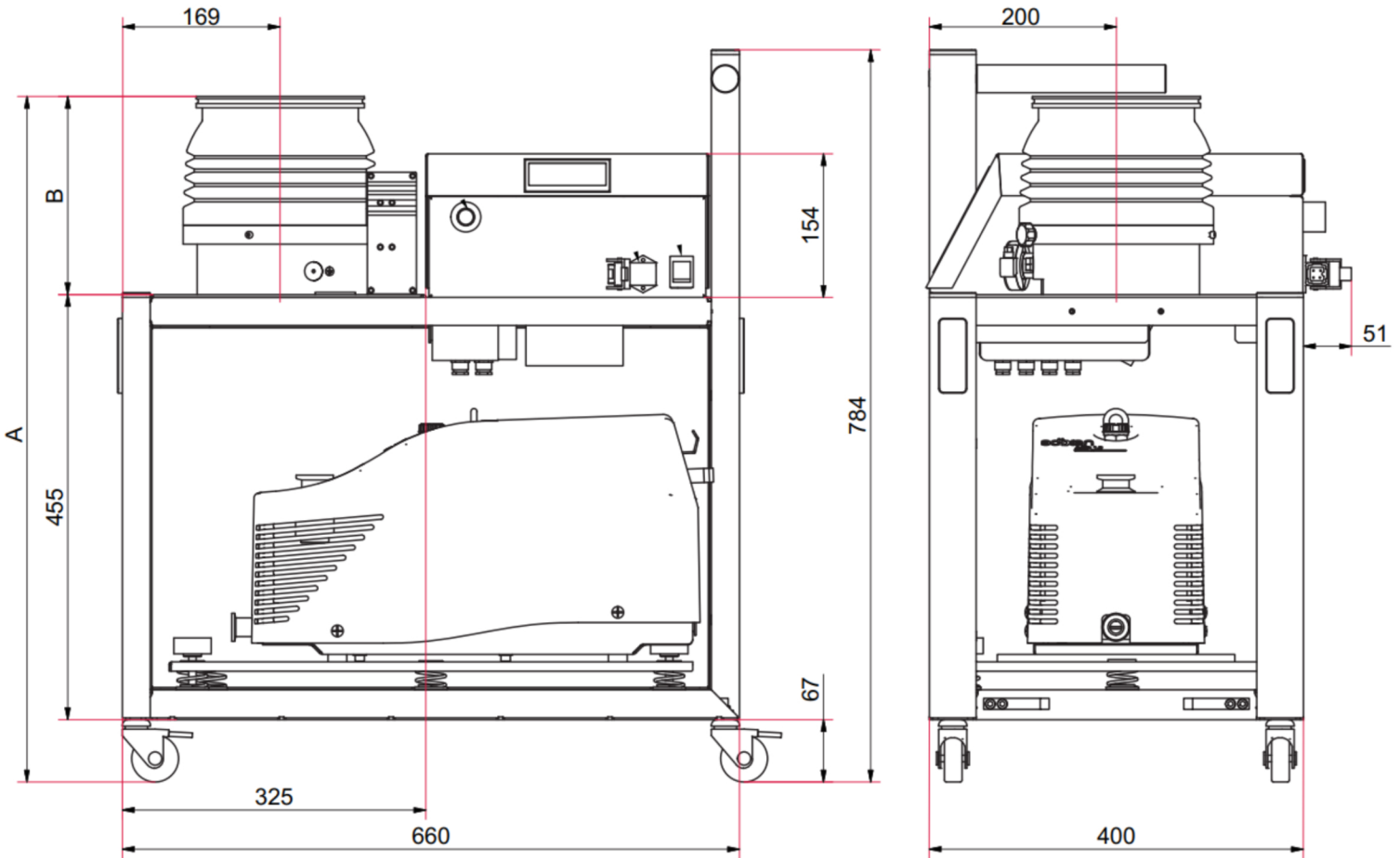
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Pfeiffer HiCube 700 Pro Dimensions



| Dimensions | HiCube 700 Pro | HiCube 700 Pro |
|------------|----------------|----------------|
| Flange | DN 160 ISO-K | DN 160 CF-F |
| A | 733 mm | 745 mm |
| B | 212 mm | 224 mm |



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Pfeiffer HiCube 700 Pro Features & Benefits

- especially characterized by its extremely fast pump-down times
- features connectivity for digital pressure sensors
- optimal combination of HiPace turbo pump & backing pump
- modular design affords simple customization for application
- service friendly due to accessibility of individual components
- integrated drive electronics
- easy data collection & analysis
- plug & play - no installation or cabling required
- robust engineering makes for long service life
- optional forevacuum safety valve prevents venting in power failure
- direct connection of vacuum gauges possible

Applications

- research & development • accelerators • analysis & surface physics
- vacuum process technology • general vacuum applications

