PROVAC SALES
PHONE: 831-462-8900 FAX: 831-462-3536 WWW.PROVAC.COM

Pfeiffer HiCube 700 Classic

Technical Specifications

Pumping station		HiCube 700 Classic	
Flange (in)		DN 160 ISO-K	DN 160 CF-F
Pumping speed for Nitrogen N_2	l/s	685	685
Ultimate pressure			
with Rotary vane pump DuoLine	mbar	$< 1 \cdot 10^{-7}$	$< 5 \cdot 10^{-10}$
with Diaphragm pump MVP	mbar	$< 1 \cdot 10^{-7}$	$< 1 \cdot 10^{-8}$
Pumping speed backing pump at 50 Hz			
Diaphragm pump MVP 015	m³/h	–	–
Diaphragm pump MVP 040	m³/h	–	–
Diaphragm pump MVP 070	m³/h	3.8	3.8
Rotary vane pump Duo 2.5	m³/h	2.5	2.5
Rotary vane pump Duo 5 M	m³/h	5	5
Weight pumping station:[1)]			
with Diaphragm pump MVP 015	kg	–	–
with Diaphragm pump MVP 040	kg	–	–
with Diaphragm pump MVP 070	kg	52.0	57.9
with Rotary vane pump Duo 2.5	kg	46.1	52.0
with Rotary vane pump Duo 5 M	kg	54.6	60.5
Power consumption			
with Diaphragm pump MVP 015	W	–	–
with Diaphragm pump MVP 040	W	–	–
with Diaphragm pump MVP 070	W	670	670
with Rotary vane pump Duo 2.5	W	580	580
with Rotary vane pump Duo 5 M	W	670	670

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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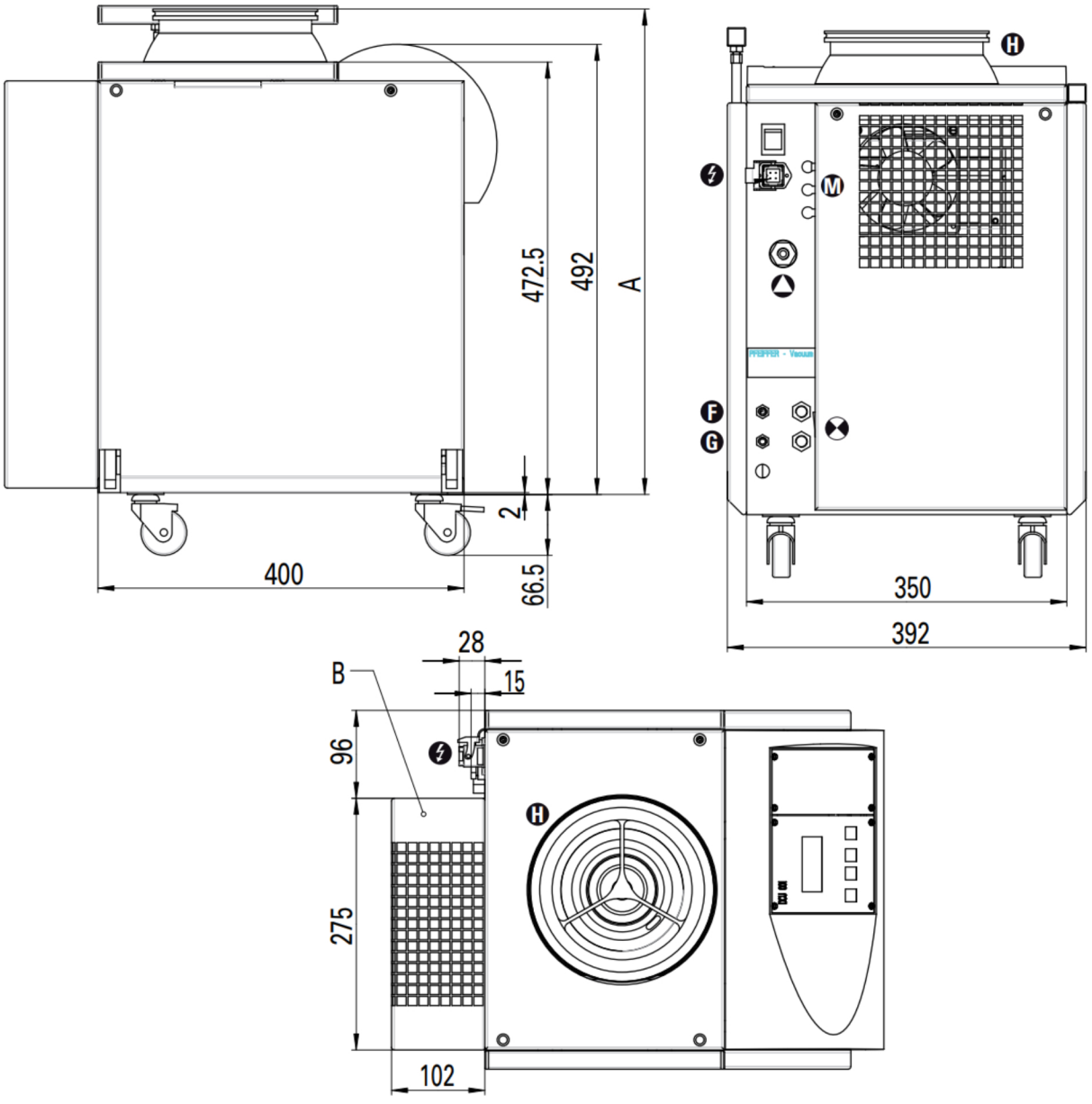
Dimensions



Dimensions	HiCube 700 Classic	HiCube 700 Classic
Flange (in)	DN 160 ISO-K	DN 160 CF-F
A	597 mm	609 mm
B	102 mm only with DUO 5	

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Features & Benefits

- floor standing, compact pumping station
- easy data collection & analysis
- 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
- 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