

HIGH-VACUUM PUMPING UNIT HP 40 B2 AND HP 63 B2

- High-performance, reliable vacuum equipment is essential for successful and time-saving work in many science laboratories. The VACUUBRAND high-vacuum pumping units HP 40 B2 and HP 63 B2 satisfy these needs and fulfil practical requirements, while providing high vacuum to 10^{-6} mbar. These pumping units consist of an air-cooled diffusion pump, a two-stage rotary vane pump as a backing pump (either the RZ 2.5 in the HP 40 B2, or the RZ 6 in the HP 63 B2), and all connecting tubing, including high-vacuum valves, ventilation valves, and a bypass line.

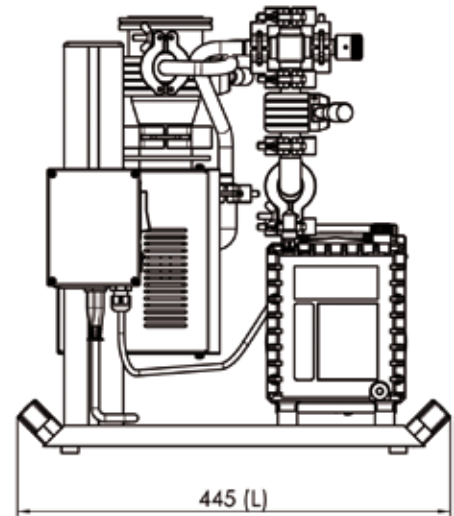
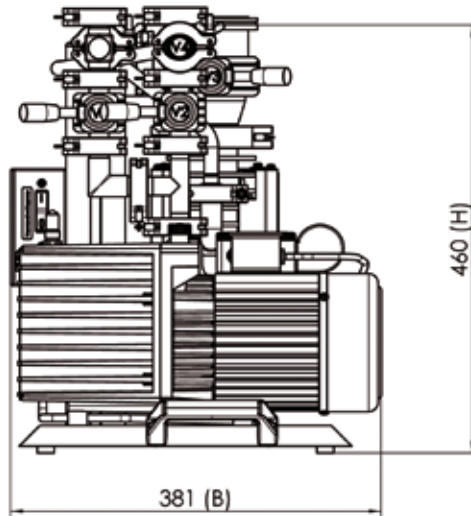
HP 40 B2
22 l/s
 1×10^{-6} mbar



PERFORMANCE FEATURES

- efficient - The RZ 2.5 and RZ 6 backing pumps generate the necessary backing pressure so that the diffusion pump can always attain its full pumping speed and an ultimate vacuum of approx. 10^{-6} mbar (measured with pump fluid DC 704 and cold trap with liquid nitrogen).
- fast - The pumping unit has a high-vacuum valve at the inlet and a rough vacuum line (bypass). This makes it particularly efficient for rapid evacuation cycles.
- clear directions - Smaller experimental set-ups can be mounted directly on the pumping unit. A clearly visible, condensed operating diagram on the housing of the diffusion pump guides your use and helps prevent operating errors. The diffusion pump can only be switched on if the power switch, starting the rotary vane pump, is switched on. All valves and switches are operated from the front.
- compact, sturdy, and portable - Pumps, valves and tubing are compactly mounted on a pillar stand. Due to its small overall dimensions, light weight and air cooling, the pumping unit can easily be transported to the systems to be evacuated. The high vacuum pumping units HP 40 B2 and HP 63 B2 are often used as table-top pumps on laboratory benches so that short vacuum lines can be used.
- economical - The high vacuum pumping units offer outstanding energy savings due to their low power consumption.

HP 63 B2
37 l/s
1 x 10⁻⁶ mbar



TECHNICAL DATA		HP 40 B2	HP 63 B2
Backing pump:		RZ 2.5	RZ 6
Max. pumping speed of pumping unit	l/s	22	37
Ultimate vacuum (abs.)	mbar	1 x 10 ⁻⁶	1 x 10 ⁻⁶
Inlet connection (IN)		Small flange KF DN 40	Clamping flange ISO-K DN 63
Outlet connection (EX)		Hose nozzle DN 10 mm	Hose nozzle DN 10 mm
Connection of vacuum gauge		2 x small flange KF DN 10	2 x small flange KF DN 10
Diffusion pump fluid (DC 704)	ml	30	30
Heating capacity	kW	0.2	0.2
Heat-up time	min	7	7
Dimensions (L x W x H)	mm	445 x 385 x 435	445 x 381 x 460
Weight	kg	25.4	30.9

ORDERING INFORMATION	HP 40 B2
230 V ~ 50-60 Hz	CEE/CH/UK 699029

ORDERING INFORMATION	HP 63 B2
230 V ~ 50-60 Hz	CEE/CH/UK 699037

ACCESSORIES	HP 40 B2
Rubber vacuum tubing DN 10 mm (686002)	
Stainless steel tubing KF DN 40 (1000 mm: 673338)	
Diffusion pump oil DC 704 (0.1 l : 687300)	
Oil mist filter FO R 2/2.5/5/6 (698003)	

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Rubber vacuum tubing DN 10 mm (686002)	
Diffusion pump oil DC 704 (0.1 l : 687300)	
Oil mist filter FO R 2/2.5/5/6 (698003)	

ITEMS SUPPLIED
Pumping unit completely mounted, ready for use, with manual