

RVP/HB



HIGHVAC
CORPORATION

RVP/HB Series

Rotary Vane/Booster Vacuum Pump Systems

- Low Noise / Vibration
- High Water Vapor Tolerance
- Integrated Oil Suck Back
- Integrated Gas Ballast Valve
- Integrated Oil Lubrication
- Easy Maintenance

HIGHVAC's RVP/HB booster pump systems accommodate a wide range of process applications. Available in various configurations, with sizes ranging from 95 m³/hr to 1900 m³/hr, these pump systems are suitable for end-user or OEM applications and installations.

Integrating our unique RVP pump with the HB boosters provides the end-user significant ease of maintenance over competitive pump systems. The RVP 36 through 110 pumping cartridge can be completely replaced in 30 minutes or less without removing the booster or system foreline.

The aluminum construction of the HB booster pumps allows for pumping of high-water-vapor applications without the concern for oxidation as happens with cast iron construction. The use of aluminum also contributes to the light weight of the HB booster pumps.

Model	Effective Pumping speed m ³ /h (cfm) @ 60Hz	Ultimate Pressure Ballast Open/Closed	Motor Power HP (kW) RVP/HB	Voltage (Single Phase) Three Phase	Inlet	Outlet	Vacuum Pump Oil	Oil Capacity (Liters) RVP/HB	Weight lbs. (kg.) Approx.	
RVP 36 HB 120	95 (56)	4 x 10 ⁻² / 4 x 10 ⁻³ (Torr)	4.5 (1.1)/0.5 (0.4)	(115/220) 230/460	KF 50	KF 40	Hydrocarbon / Inert (PFPE)	1.2-2.8/0.4	246 (112)	
RVP 50 HB 330	255 (155)		2 (1.5)/1 (0.75)	230/460	ISO 80			KF 40	1.2-2.8/0.8	313 (142)
RVP 70 HB 330	270 (165)		3 (2.2)/1 (0.75)						2.5-4.2/0.8	391 (177)
RVP 70 HB 600	375 (215)		3 (2.2)/3 (2.2)						2.5-4.2/1.6	441 (200)
RVP 110 HB 330	290 (175)		3 (2.2)/1 (0.75)						2.5-4.2/0.8	425 (193)
RVP 110 HB 600	400 (236)		3 (2.2)/3 (2.2)						2.5-4.2/1.6	476 (216)
RVP 110 HB 1200	840 (495)		3 (2.2)/5 (3.7)						2.5-4.2/2.0	674 (305)
* RVP 110 HB 2400 *	1600 (960)		3 (2.2)/10 (7.5)						2.5-4.2/4.0	1050 (476)
RVP 200 HB 600	520 (312)		7.5 (5.6)/2.2 (3)			20-25/1.6			740 (335)	
RVP 200 HB 1200	1000 (600)		7.5 (5.6)/3.7 (5)	20-25/2.0	842 (382)					
RVP 200 HB 2400	2000 (1200)		7.5 (5.6)/7.5 (10)	20-25/4.0	1100 (499)					
RVP 300 HB 1200	1100 (660)		10 (7.5)/3.7 (5)	23-28/2.0	900 (408)					
RVP 300 HB 2400	2150 (1290)		10 (7.5)/7.5 (10)	23-28/4.0	1160 (526)					

Special order only