

Standard Products – 50Hz Horizontal Open Fixed Speed



50Hz 400V Three Phase Horizontal Open Fixed Speed models HV01, HV02 and HV04 PUTS/PURS. 10 bar

Performance Data	HV01(PUBS)	HV02(PUBS)	HV01(PURS)	HV02(PURS)	HV04(PURS)
Free Air Delivery* @ 10 bar	2.0 l/s (4.2 cfm)	3.8 l/s (8.1 cfm)	2.0 l/s (4.2 cfm)	3.8 l/s (8.1 cfm)	9.5 l/s (20.1 cfm)
Receiver capacity	n/a		75 litres		200 litres

Compressor Details	HV01(PUBS)	HV02(PUBS)	HV01(PURS)	HV02(PURS)	HV04 (PURS)
Noise level	62.0 dB(A)	69.0 dB(A)	62.0 dB(A)	69.0 dB(A)	73.0 dB(A)
Nominal power	1.1 kW	2.2 kW	1.1 kW	2.2 kW	4.0 kW
Operating Controls	Continuous run		Automatic stop/start		
Rotation Speed (Direct Drive)	1450 rpm	2900 rpm	1450 rpm	2900 rpm	1450 rpm
Ambient Temperature Range	0 - 40 C				
Air Discharge Temperature (above ambient)	50 C				

Electrical Data	HV01(PUBS)	HV02(PUBS)	HV01(PURS)	HV02(PURS)	HV04 (PURS)
Starter	Direct On Line				

Electrical supply	3ph/400V/50Hz				
Suggested Incoming Supply Cable	1.0 mm ²	1.5 mm ²	1.0 mm ²	1.5 mm ²	1.5 mm ²
110% Full Load Current	4.0 A	6.2 A	4.0 A	6.2 A	11.0 A

Motor and Fan Data	HV01(PUBS)	HV02(PUBS)	HV01(PURS)	HV02(PURS)	HV04 (PURS)
IE2 motor efficiency @ 100% duty	81.4%	83.2%	81.4%	83.2%	88.6%
Drive efficiency	n/a				
Oil and air cooling fan kW	n/a				

Capacities and dimensions	HV01(PUBS)	HV02(PUBS)	HV01(PURS)	HV02(PURS)	HV04 (PURS)
Oil Capacity	1.0 litre				1.8 litre
Approved compressor oil	Fluid Force Red 2000 (mineral). Option HPO (Synthetic)				
Air quality	< 3 ppm				
Air outlet size	3/8" BSP female				1/2" BSP female
Overall Length	700 mm		1120 mm		1410 mm
Overall Depth	270 mm		300 mm		455 mm
Overall Height	470 mm		730 mm		990 mm
Overall Weight	41 kg		77 kg		145 kg

Data assumes Hydrovane recommended service intervals, oils and spare parts are used. *Free Air Delivery (FAD) according to BS ISO1217:2009-Annex B, C and E

Issue 1