

Standard Products – 60Hz Vertical Enclosed Fixed Speed



60Hz models HV04 (ACE) to HV07 (ACE), 100 & 150 psig

Performance Data	HV04	HV05	HV07
Free Air Delivery* 100 psig machine	20.0 cfm	30.5 cfm	36.6 cfm
Free Air Delivery* 150 psig machine	17.4 cfm	21.5 cfm	29.4 cfm

Compressor Details	HV04	HV05	HV07
Noise level	66.0 dB(A)		67.0 dB(A)
Nominal power	4.0 kW	5.5 kW	7.5 kW
Operating Controls	Continuous or automatic stop start with Reduced Energy Venting System (REVS)		
Rotation Speed (Direct Drive)	1760 rpm		
Ambient Temperature Range	32 - 113 °F		
Air Discharge Temperature (above ambient)	15.0 °F	18.0 °F	20.0 °F

Electrical Data	HV04	HV05	HV07
Starter	Direct On Line		

Electrical supply	1ph/230V/60Hz	1ph/230V/60Hz	-
Suggested Incoming Supply Cable	10 AWG	10 AWG	-
110% Full Line Current	26.0 A	41.5 A	-

Electrical supply	3ph/200-230V/60Hz	3ph/200-230V/60Hz	3ph/200-230V/60Hz
Suggested Incoming Supply Cable	12 AWG	12 AWG	10 AWG
110% Full Line Current	20.0-18.5A	23.5-23.0A	31.0-29.5A

Electrical supply	3ph/460V/60Hz	3ph/460V/60Hz	3ph/460V/60Hz
Suggested Incoming Supply Cable	14 AWG	14 AWG	12 AWG
110% Full Line Current	9.5 A	11.5 A	14.5 A

Electrical supply	3ph/575V/60Hz	3ph/575V/60Hz	3ph/575V/60Hz
Suggested Incoming Supply Cable	14 AWG	14 AWG	14 AWG
110% Full Line Current	6.5 A	8.5 A	11.0 A

Motor and Fan Data	HV04	HV05	HV07
IE3 motor efficiency @ 100% duty	89.5%	91.7%	91.7%
Motor Service Factor	1.1		
Cabinet cooling fan motor rating	200W 1ph/230V/60Hz		

Capacities and dimensions	HV04	HV05	HV07
Oil Capacity	1.00 US Gal		
Approved compressor oil	Fluid Force Red 2000, Food Grade & High Performance Oil		
Air quality	< 3 ppm		
Air outlet size	¾" NPT		
Overall Depth	26.0 inch		
Overall Width	20.0 inch		
Overall Height	41.0 inch		
Overall Weight	425 lbs	440 lbs	454 lbs

Data assumes Hydrovane recommended service intervals, oils and spare parts are used

*FAD according to BS ISO1217:2009-Annex B, C and E

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