

HV Belt Drive Fan

The Hydor HV Belt Drive fan unit is specifically designed to ventilate larger buildings where substantial amounts of air are moved at low pressure with minimal energy consumption.

The HV range is available in six versions and five sizes; 800mm, 1000mm, 1250mm 1.1kW, 1250mm 1.5kW, 1500mm and 2000mm diameter, each with single or three phase motors and the option of louvres and guards. This powerful fan produces air volumes up to 20m³/s. Constructed from galvanised steel with a specially designed stainless steel impeller, these fans are extremely hard wearing and robust in application. The drive mechanism includes sealed for life maintenance free ball bearings, which means low noise and vibration levels. The HV range is available in three variations; wall mounting with shutters, suspension mounting from the roof space or floor mounting with wheels. The HV range are supplied fully assembled with internal and external safety guards or a centrifugal operated backdraught shutter on the external side.



SINGLE Phase

220V to 240V / 50Hz

	Speed (r/min)	Airflow m ³ /s @ Static Pressure (Pa)					Power (kW)	FLC (Amps)	Start (Amps)	dBA @ 3m	
		0	20	40	60	80					100
HV800	630	4.588	4.091	3.589	2.840	-	-	0.75	4.5	14.3	58
HV1000	520	7.096	6.447	5.550	4.296	3.139	1.827	0.75	5.4	14.9	59
HV1250 (1.1kW)	400	11.002	9.578	8.030	6.190	4.028	-	1.1	7.2	25.7	60
HV1250 H (1.5kW)	440	12.104	10.863	9.465	7.866	5.746	3.189	1.5	8.4	29.5	63
HV1500	360	12.828	11.360	9.503	6.815	-	-	1.5	9.4	33.0	61
HV2000	280	20.137	16.539	12.970	7.639	-	-	1.5	10.0	35.0	59

Measurement category used to determine energy efficiency: A. FLC Amps @ 230V / 1Ph / 50Hz.

THREE Phase

400V / 50Hz

	Speed (r/min)	Airflow m ³ /s @ Static Pressure (Pa)					Power (kW)	FLC (Amps)	Start (Amps)	dBA @ 3m	
		0	20	40	60	80					100
HV800	630	4.588	4.091	3.589	2.840	-	-	0.75	2.0	5.9	58
HV1000	520	7.096	6.447	5.550	4.296	3.139	1.827	0.75	2.6	7.8	59
HV1250 (1.1kW)	400	11.002	9.578	8.030	6.190	4.028	-	1.1	2.9	8.7	60
HV1250 H (1.1kW)	450	11.356	10.208	8.839	7.139	4.947	2.216	1.1	3.0	6.8	62
HV1500	360	12.828	11.360	9.503	6.815	-	-	1.5	3.6	10.8	61
HV2000	280	20.137	16.539	12.970	7.639	-	-	1.5	3.8	12.5	59

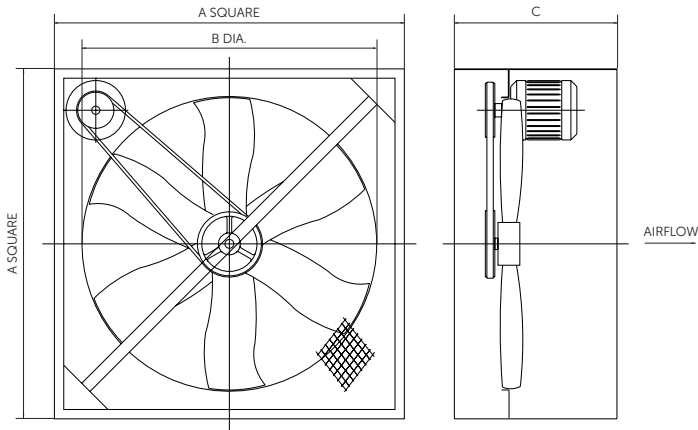
Measurement category used to determine energy efficiency: A. FLC Amps @ 400V / 3Ph / 50Hz.
Note: Motor electrical data is approximate, as it varies from one motor manufacturer to another

HV Belt Drive Fan

IP55
protection

50°C
temperature

dimensional drawing



features and benefits

- Free standing air circulation fan
- Ideal for industrial, commercial and agricultural applications
- Extracts stale and humid air from the building
- Fitted with a mesh safety guard on both sides
- 3 step speed switch for increased energy
- Single phase 220V to 240V 50Hz
- Three phase 380V to 440V 50Hz

dimensions	A	B	C	Depth inc Louvre	Depth inc Louvre & Guard	Weight (kg)	Weight inc Louvre (kg)
HV800	960	800	330	405	470	32	44
HV1000	1150	1000	330	405	470	40	50
HV1250 (1.1kW)	1380	1250	330	405	470	50	70
HV1250 H (1.1kW)	1380	1250	330	405	470	50	70
HV1250 H (1.5kW)	1380	1250	330	405	470	52	72
HV1500	1495	1350	430	430	500	55	85
HV2000	1930	1760	450	450	515	75	100

Dimensions in mm.

accessories	1Ø 3 Step Speed Controller	1Ø DOL Starter	3Ø DOL Starter	Blackout Filter	HV Wall Cowl	Fixed Intake Weather Louvre with Guard		
						Mill	Paint	Watertight
HV800	FC0149-TC110HV	004828	003644	000295	HVWC800	003316	003320	004625
HV1000	FC0149-TC110HV	004828	004726	000301	HVWC1000	003317	003321	004626
HV1250 (1.1kW)	FC0149-TC110HV	004831	003645	000310	HVWC1250	003318	003322	004627
HV1250 H (1.1kW)	-	-	003645	000310	HVWC1250	003318	003322	004627
HV1250 H (1.5kW)	FC0149-TC112HV	004834	-	000310	HVWC1250	003318	003322	004627
HV1500	FC149-TC116HV	004833	004296	-	HVWC1500	-	-	-
HV2000	-	004833	004296	-	HVWC2000	003319	003323	004628