



Haier®

Air Handlers - HB Series



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Nomenclature

Example: HB2400VD2M20

H Haier

B System Type – B = Blower Unit (Air Handler)

24 Nominal Cooling Capacity BTU in 1000's

00 Electric Heater – 00 = No Heater (as shipped)

V Electric – V = 208/240 1 phase 60 hertz

D Design Code

2 Series #

M Installation orientation – M = Multiposition

20 Unit Width (in.)

Features And Benefits

- **Durable** - Powder coated galvanized steel.
- **Efficient** - Computer designed coils for maximum heat - transfer capability. High efficiency 3 - speed motors. Fully insulated cabinets. System matchups are AHRI listed.
- **Flexible** - Multiposition upflow / horizontal right as shipped, down flow / horizontal left field conversion. Air handlers match up with multiple outdoor units.
- **Quiet** - Dynamically balanced blower wheels and multispeed fan motor minimize noise and enhance comfort.
- **Warranty** - 10 years on specified parts (see warranty statement)
- **Reliable** - All units UL / CUL approved. Every unit is tested before it leaves the factory.
- **Smart** - Units shipped with factory installed expansion device. Removable front panels for easy accessibility. Optional electric heater and circuit breaker kits are available.



Unit specifications and layout

Model Number	Nominal Cooling	Max. Elec. Heat	Width	Height	Depth	Shipping Weight	Liquid Line Dimension	Vapor Line Dimension	Supply Openning	Return Openning
	BTUH	(kW)	(in.)	(in.)	(in.)	(lbs)	(in.)	(in.)	(in.)	(in.)
HB2400VD2M20	24,000	10	19 1/2	47 1/2	22	134	3/8	3/4	18 3/16 x11 3/8	18 9/16 x 16 7/8
HB3600VD2M20	36,000	15	19 1/2	47 1/2	22	137	3/8	3/4	18 3/16 x11 3/8	18 9/16 x 16 7/8
HB3600VD2M20-T	36,000	15	19 1/2	47 1/2	22	141	3/8	3/4	18 3/16 x11 3/8	18 9/16 x 16 7/8
HB4800VD2M22	48,000	20	22	56 1/4	24	185	3/8	7/8	20 x11 3/8	21 7/8 x 18 5/8
HB4800VD3M22	48,000	20	22	56 1/4	24	192	3/8	7/8	20 x11 3/8	21 7/8 x 18 5/8
HB6000VD2M22	60,000	20	22	56 1/4	24	201	3/8	7/8	20 x11 3/8	21 7/8 x 18 5/8
HB6000VD1M22-T	60,000	20	22	56 1/4	24	220	3/8	7/8	20 x11 3/8	21 7/8 x 18 5/8

Notes: (1) Base unit, electric heater and circuit breakers are not included, kits are available. (2) Specifications are subject to change without notice. (3) All units are electrically rated for 208-230 vac, 1 phase, 60 hertz.

Blower performance data

CFM vs. External Static Pressure - Inches (w.c.)

Model Number			Speed	0.1	0.15	0.2	0.25	0.3	0.35	0.4	0.5
HB2400VD2M20	Motor(HP)	1/6	HI	900	877	856	835	816	795	766	737
	Wheel Size	9"x8"	MI	630	614	599	585	571	556	536	515
HB3600VD2M20	Motor(HP)	1/3	HI	---	1240	1208	1177	1148	1121	1091	1061
	Wheel Size	9"x8"	LO	---	1125	1093	1062	1033	1006	976	946
HB3600VD2M20-T	Motor(HP)	1/3	HI	---	1240	1208	1177	1148	1121	1091	1061
	Wheel Size	9"x8"	LO	---	1125	1093	1062	1033	1006	976	946
HB4800VD2M22	Motor(HP)	1/2	HI	---	1480	1442	1404	1366	1328	1290	1252
	Wheel Size	10"x8"	LO	---	---	1650	1605	1560	1515	1470	1425
HB4800VD3M22	Motor(HP)	1/2	HI	---	1480	1442	1404	1366	1328	1290	1252
	Wheel Size	10"x8"	LO	---	---	1650	1605	1560	1515	1470	1425
HB6000VD2M22	Motor(HP)	1/2	HI	---	---	1800	1745	1690	1635	1580	1525
	Wheel Size	10"x10"	LO	---	---	---	---	---	---	---	---
HB6000VD1M22-T	Motor(HP)	1/2	HI	---	---	1800	1745	1690	1635	1580	1525
	Wheel Size	10"x10"	LO	---	---	---	---	---	---	---	---

Notes: Airflow ratings are measured with a dry coil and air filters in place, but no electric heater. Use a 4% reduction for wet coil.

Electric heater application data

Model Number	Nominal Cooling	Electric Heat	Wire Size		Ground Size		Total Unit Amps @ 230		Minimum Circuit Ampacity		Maximum Fuse Size	
	BTUH	(kW)	AWG	MM2	AWG	MM2	Circuit 1	Circuit 2	Circuit 1	Circuit 2	Circuit 1	Circuit 2
HB24	24,000	5	10	5.3	10	5.3	20.9		29.1		30	
		7	8	8.4	10	5.3	30.9		42.6		50	
		10	6	13.3	10	5.3	40.9		56.1		60	
HB36	36,000	5	10	5.3	10	5.3	22		29.8		30	
		7	8	8.4	10	5.3	32		43.4		50	
		10	6	13.3	10	5.3	42		57		60	
		15	4	21.2	8	8.4	62		57	27.2	60	30
HB48	48,000	5	10	5.3	10	5.3	22.6		29.8		30	
		7	8	8.4	10	5.3	32.6		43.4		50	
		10	6	13.3	10	5.3	42.6		57		60	
		15	4	21.2	8	8.4	62.6		57	27.5	60	30
		20	2	33.6	6	13.3	82.6		57	54.4	60	60
HB60	60,000	5	10	5.3	10	5.3	23.5		31.5		40	
		7	8	8.4	10	5.3	33.5		45.1		50	
		10	6	13.3	10	5.3	43.5		58.7		60	
		15	4	21.2	8	8.4	63.5		58.7	27.5	60	30
		20	2	33.6	6	13.3	83.5		58.7	54.4	60	60

Notes: (*) Base Unit, Electric Heater and Circuit Breakers are not included, kits are available. All units are electrically rated for 208-230 vac, 1 phase, 60 hertz. For 208 VAC use 0.751 correction factor for kW. Use 3,413 BTUH/kW to convert kW to BTUH. Specifications are subject to change without notice.



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Haier is the world's 4th largest white goods manufacturer, with 29 manufacturing facilities and 16 industrial parks on all continents. The company's sales network covers over 160 countries, with 58,800 sales outlets and 50,000 employees worldwide.

Haier America is headquartered in the Haier Building at 1356 Broadway in New York. Haier America is a leader for room air conditioners, compact refrigerators, and wine cellar sales; as well as a leading force in home appliances, HVAC, compact laundry, compact freezers and HDTV sales. Haier America is an Official Marketing Partner and the Official High Definition Television of the NBA. The Haier Central Air Conditioner Division (CAC) has been dedicated to producing highly efficient, environment-friendly Air Conditioning systems for decades. Currently, Haier CAC is one of the world's biggest HVAC production bases that provides cooling, heating and ventilation solutions for residential, commercial and industrial applications.



Haier America

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