

Haier®



Comfort You Can Count On

Air Handlers



AIR HANDLERS - HB SERIES

FEATURES AND BENEFITS

Durable – Galvanized steel cabinet construction and injection molded corrosion proof drain pans for long life.

Efficient – Computer designed coils for maximum heat transfer capability. High efficiency 3-speed motors. Fully insulated cabinets. System match ups are ARI 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 – 5 years on specified parts (see warranty statement).

Reliable – All units UL/CUL approved. Also 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

	Nominal Cooling	Max. Elec. Heat	Width	Height	Depth	Shipping Weight	Liquid Line Dimension	Vapor Line Dimension	Supply Opening	Return Opening
Model Number	BTUH	(kW)	(in.)	(in.)	(in.)	(lbs.)	(in.)	(in.)	(in.)	(in.)
HB2400VD1M20	24,000	10	19 ½	47 ½	22	134	3/8	3/4	18 3/16 X 11 3/8	18 9/16 X 16 7/8
HB3600VD1M22	36,000	15	22	49 ½	24	167	3/8	3/4	20 X 11 3/8	21 7/8 X 18 5/8
HB4800VD1M22	48,000	20	22	56 1/4	24	192	3/8	7/8	20 X 11 3/8	21 7/8 X 18 5/8
HB6000VD1M22	60,000	20	22	56 1/4	24	216	3/8	7/8	20 X 11 3/8	21 7/8 X 18 5/8
HB6000VD1M22-E	60,000	20	22	56 1/4	24	220	3/8	7/8	20 X 11 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.

AIR HANDLERS - HB SERIES

NOMENCLATURE

EXAMPLE: HB2400VD1M20

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	SEER – D = 13
1	Series #
M	Installation orientation – M = Multiposition
20	Unit Width (in.)

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
HB2400VD1M20	Motor (HP)	1/8	HI	900	875	855	835	815	795	765	735
	Wheel Size	9" x 8"	LO	630	615	600	585	570	555	535	515
HB3600VD1M22	Motor (HP)	1/3	HI	/	1240	1210	1175	1150	1120	1090	1060
	Wheel Size	9" x 8"	LO	/	1125	1090	1060	1030	1000	975	945
HB4800VD1M22	Motor (HP)	1/2	HI	/	/	1650	1605	1560	1515	1470	1425
	Wheel Size	10" x 8"	LO	/	1480	1440	1405	1365	1330	1290	1250
HB6000VD1M22	Motor (HP)	3/4	HI	/	/	1800	1745	1690	1635	1580	1525
	Wheel Size	10" x 10"	LO	/	/	/	/	/	/	/	/
HB6000VD1M22-E	EC Motor	3/4	HI	/	/	1850	1795	1740	1685	1630	1575
	Wheel Size	10" x 10"	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.

AIR HANDLERS - HB SERIES

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	AMG	MM2	Circuit 1	Circuit 2	Circuit 1	Circuit 2	Circuit 1	Circuit 2
HB2400VD1M20	24,000	5	10	5.3	10	5.3	20.9		29.1		30	
		7 ½	8	8.4	10	5.3	30.9		42.6		50	
		10	6	13.3	10	5.3	40.9		56.1		60	
HB3600VD1M22	36,000	5	10	5.3	10	5.3	22		29.8		30	
		7 ½	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
HB4800VD1M22	48,000	5	10	5.3	10	5.3	22.6		29.8		30	
		7 ½	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
HB6000VD1M22	60,000	5	10	5.3	10	5.3	23.5		31.5		40	
		7 ½	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
HB6000VD1M22-E	60,000	5	10	5.3	10	5.3	24		31.8		40	
		7 ½	8	8.4	10	5.3	34		45.4		50	
		10	6	13.3	10	5.3	44		59		60	
		15	4	21.2	8	8.4	64		59	27.5	60	30
		20	2	33.6	6	13.3	84		59	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.

AIR HANDLERS - HW SERIES

FEATURES AND BENEFITS

Durable – Galvanized steel cabinet construction and injection molded corrosion proof drain pans for long life.

Efficient – Computer designed coils for maximum heat transfer capability. High efficiency 3-speed motors. Fully insulated cabinets. System match ups are ARI listed.

Flexible – Vertical position up-flow only. Air handlers match up with multiple outdoor units.

Quiet – Dynamically balanced blower wheels and multi-speed fan motor minimize noise and enhance comfort.

Warranty – 5 years on specified parts (see warranty statement).

Reliable – All units UL/CUL approved. Also every unit is tested before it leaves the factory.

Smart – Units shipped with factory installed expansion device. Removable front panels for easy accessibility.



UNIT SPECIFICATIONS AND LAYOUT

	Nominal Cooling	Max. Elec. Heat	Width	Height	Depth	Shipping Weight	Liquid Line Dimension	Vapor Line Dimension	Supply Opening	Return Opening
Model Number	BTUH	(kW)	(in.)	(in.)	(in.)	(lbs.)	(in.)	(in.)	(in.)	(in.)
HW1800VD1V22	18,000	10	22	40	20	130	3/8	3/4	16 x 11	16 x 20
HW2400VD1V22	24,000	10	22	40	20	130	3/8	3/4	16 x 11	16 x 20
HW3000VD1V22	30,000	10	22	40	20	130	3/8	3/4	16 x 11	16 x 20

- Notes:
- (1) Base Unit, Electric Heater and Circuit Breakers are included.
 - (2) Specifications are subject to change without notice.
 - (3) All units are electrically rated for 208-230 VAC, 1 phase, 60 Hertz.

AIR HANDLERS - HW SERIES

NOMENCLATURE

EXAMPLE: HW2400VD1M22 (-P)

H	Haier
W	System Type – W = Wall Mounted (Air
24	Nominal Cooling Capacity BTU in 1000's
00	Electric Heater – 00 = No Heater
V	Electric – V = 208/240 1 phase 60 hertz
D	SEER –D = 13
1	Series #
V	Installation orientation – V = Vertical
22	Unit Width (in.)

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
HW1800VD1V22	Motor (HP)	1/8	HI	690	670	655	640	625	610	590	565
	Wheel Size	9 1/2" x 8"	LO	/	/	/	/	/	/	/	/
HW2400VD1V22	Motor (HP)	1/8	HI	800	780	760	740	725	710	680	655
	Wheel Size	9 1/2" x 8"	LO	/	/	/	/	/	/	/	/
HW3000VD1V22	Motor (HP)	1/5	HI	/	920	895	875	850	825	800	780
	Wheel Size	9 1/2" x 8"	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.

AIR HANDLERS - HW SERIES

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
HW1800VD1V22	18,000	0	14	2.1	14	2.1	1.1		1.9		5	
HW1805VD1V22		5	10	5.3	10	5.3	21.7		29.1		30	
HW1808VD1V22		8	8	8.4	10	5.3	34.8		45.4		50	
HW1810VD1V22		10	6	13.3	10	5.3	43.5		56.3		50	
HW2400VD1V22	24,000	0	14	2.1	14	2.1	1.1		1.9		5	
HW2405VD1V22		5	10	5.3	10	5.3	21.7		29.1		30	
HW2408VD1V22		8	8	8.4	10	5.3	34.8		45.4		50	
HW2410VD1V22		10	6	13.3	10	5.3	43.5		56.3		60	
HW3000VD1V22	30,000	0	14	2.1	14	2.1	1.7		2.6		5	
HW3005VD1V22		5	10	5.3	10	5.3	22.3		29.8		30	
HW3008VD1V22		8	8	8.4	10	5.3	35.4		45.4		50	
HW3010VD1V22		10	6	13.3	10	5.3	44.1		56.3		60	

Notes: For 208 vac use 0.904 correction factor for kW. Use 3,413 BTUH/kW to convert kW to BTUH.

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