

H High Efficiency Series

Wallmount Heat Pumps



PERFORMANCE:

Efficiency rating of 9.0/9.5 EER and up to 7.0 HSPF
 Sizes range from 2 to 5 tons
 Electric heat available from 5 to 18 kW
 ARI performance-certified, ETL certified

FEATURES:

16- and 20-gauge G-90 galvanized construction;
 protected by a 1000-hour salt spray, baked-on
 polyester finish

Permanently-lubricated PSC indoor and outdoor motors;
 multi-speed indoor blower motor for ducted or free-blow
 applications

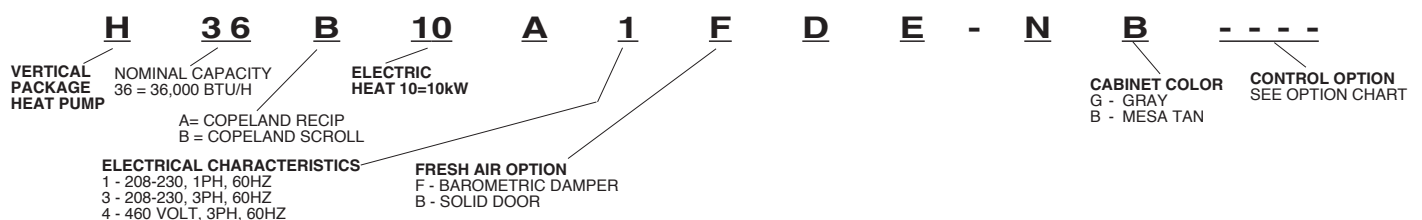
TXV refrigerant control, integrated defrost control, and
 high-pressure switch standard on all models for added
 reliability

Built-in circuit breakers with lockable outside access door
 on all models (disconnect on 460 volt models)

Large factory-installed filter area for improved filtration;
 1" disposable standard or 2" pleated optional

Barometric damper with washable outside air filter
 (standard on all models)

MODEL KEY: Wallmount Heat Pump R-22



H High Efficiency Series

MODEL SPECIFICATIONS

MODEL H	24B-1	30B-1	36B-1	48B-1	48B-3	60B-1	60B-3	60B-4
COOLING CAPACITY	24000	28000	34000	48000	48000	57000	57000	57000
EER ①	10.0							
HEATING CAPACITY	23000	29000	35400	48000	48000	57000	57000	57000
HSPF ①	7.0				6.8			
VOLTS / PHASE / HERTZ ①	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/3/60	208-230/1/60	208-230/3/60	460/3/60
COMPRESSOR DATA								
TYPE	SCROLL							
RATED LOAD AMPS	11.4	13.7	15.7	24.3	16.4	28.0	19.3	9.1
CRANKCASE HEATER	N/A							
OUTDOOR FAN DATA								
HP / RPM	1/2 / 1100							
FLA-AMP	1.5	2.5	2.5	2.5	2.5	2.5	2.5	1.5
FAN BLADE - DIA/CFM	22" / 3900							
BLOWER DATA								
HP / RPM	1/8 / 1075	1/3 / 1075	1/3 / 1075	1/2 / 1100	1/2 / 1100	3/4 / 1100	3/4 / 1100	3/4 / 1100
FLA-AMP	1.5	2.5	2.5	3.5	3.5	4.0	4.0	2.2
RATED - CFM / ESP ②	800 / 0.1	1000 / 0.15	1200 / 0.15	1600 / 0.20	1600 / 0.20	1900 / 0.20	1900 / 0.20	1900 / 0.20
VENTILATION PACKAGES								
BAROMETRIC DAMPER	ADJUSTABLE BAROMETRIC DAMPER STANDARD ON ALL MODELS							
BAROMETRIC FILTER	PERMANENT WASHABLE 7" X 29" X 1/4"							
MAX FRESH AIR CFM / % ③	160 / 20%	190 / 19%	250 / 21%	500 / 33%	500 / 33%	550 / 30%	550 / 30%	550 / 30%
FRESH AIR RANGE	0% - 100%							
RETURN AIR FILTER	25" X 16" X 1" DISPOSABLE				20" X 30" X 1" DISPOSABLE			
WEIGHT-SHIPING / NET	305 / 282	349 - 321	352 / 324	524 / 494	524 / 494	545 / 515	545 / 515	545 / 515

① Rated in accordance with DOE and ARI Test standards.

② Includes factory-installed filters and wet coils.

③ CFM with standard return air filter grille in place.

All specifications contained in this brochure are subject to change without notice.

Weight subject to variation based on options selected and installed with units.

FACTORY OR FIELD INSTALLED CONTROL OPTION MODULES*

OPTIONS	CONTROL OPTION*	CONTROL OPTION PACKAGES*				
		1	2	3	4	5
B - OPT	LOW PRESSURE CONTROL ①	X	X	X	X	X
C - OPT	LOW AMBIENT CONTROL ②		X		X	

* High Pressure Control standard on all models.

① Low Pressure Control — Auto reset.

② Low Ambient Control permits cooling operation down to 0°F.

FACTORY OR FIELD-INSTALLED ELECTRIC HEATERS

HEATER MODEL	BTU* OUTPUT	* AMPS	SHIP WT	APPROVED UNIT AND HEATER COMBINATION									
				24-1	30-1	36-1	48-1	60-1	36-3	48-3	60-3	60-4	
EGH05B1	17 062	20.8	15	X	X	X							
EGH10B1	34 125	41.6	16	X	X	X	X	X					
EGH15B1	51 187	62.5	18			X	X	X					
EGH06B3	20 478	14.4	15						X	X	X		
EGH11B3	37 543	26.5	18						X	X	X		
EGH18B3	61 434	43.3	18							X	X		
EGH06D4	20 478	7.2	15										X
EGH11D4	37 543	13.2	18										X
EGH15D4	51 187	18.0	18										X

* BTU output and current based on 240 volts operation for 208 to 230 volts models and 480 volts for 460 volt models.

* BTU multiplier for 230 volts operation — multiply the listed output by 0.92; for 208 volts operation multiply by 0.75; for 460 volts operation multiply by 0.92.

* Current multiplier — for 230 volts operation multiply the listed amps by 0.96; for 208 volts operation multiply by 0.87; for 460 volts operation multiply by 0.96.

ELECTRICAL DATA

[1] MODEL NO. AND ELECTRIC HEATER KW	VOLT/ PHASE 60 HERTZ	NO. OF FIELD POWER CKTS.	SINGLE-FIELD CIRCUIT				DUAL-FIELD CIRCUIT							
			MINIMUM WIRE AMPACITY	[2] MAX FUSE OR HACR BREAKER	[3,4,5] FIELD POWER WIRE SIZE	GROUND WIRE SIZE	MIN. WIRE AMPACITY		[2] MAX FUSE OR HVCR BREAKERS		[3], [5] FIELD POWER WIRE SIZE		GROUND WIRE SIZE	
							CKT1	CKT2	CKT1	CKT2	CKT1	CKT2	CKT1	CKT2
H24B00A1	208-230/1	1	17	25	10	10	-	-	-	-	-	-	-	-
05		1	43	45	8	10	-	-	-	-	-	-	-	-
10		1 OR 2	69	70	4	8	17	54	25	60	10	6	10	10
H30B00A1	208-230/1	1	24	35	8	10	-	-	-	-	-	-	-	-
05		1	50	60	6	10	-	-	-	-	-	-	-	-
10		1 OR 2	76	80	4	8	24	55	60	60	8	6	10	10
H36B00A1	203-230/1	1	24	35	8	10	-	-	-	-	-	-	-	-
05		1	50	60	6	10	-	-	-	-	-	-	-	-
10		1 OR 2	76	80	4	8	24	55	35	60	8	6	10	10
15		1 OR 2	76	80	4	8	50	55	60	60	6	6	10	10
H48B00A1	208-230/1	1	36	60	8	10	-	-	-	-	-	-	-	-
05		1 OR 2	62	90	6	10	36	30	60	35	8	8	10	10
10		1 OR 2	89	110	3	6	36	57	60	60	8	6	10	10
15		1 OR 2	89	110	3	6	36	57	60	60	8	6	10	10
H60B00A1	208-230/1	1	41	70	8	10	-	-	-	-	-	-	-	-
05		1 OR 2	67	90	4	6	41	31	60	35	8	8	10	10
10		1 OR 2	93	110	3	6	41	57	60	60	8	6	10	10
15		1 OR 2	93	110	3	6	41	57	60	60	8	6	10	10
H36B00A3	208-230/3	1	18	25	10	10								
06		1	36	40	8	10								
11		1	53	60	6	10								
H48B00A3	208-230/3	1	27	40	10	10								
06		1	36	40	8	10								
11		1	49	60	6	10								
18		1	63	70	6	10								
H60B00A3	208-230/3	1	30	45	8	10								
06		1	36	40	8	10								
11		1	32	60	8	10								
18		1	66	70	4	8								
H60B00A4	460/3	1	15	35	10	10								
06		1	19	30	8	10								
11		1	19	30	8	10								
15		1	25	40	8	10								

[1] Heater data is based on 240V and 480V AC respectively.

[2] Maximum recommended size of "Time Delay" fuse or HACR circuit breaker.

[3] Power supply wire size and ground wire sizes are based on AWG. 75C rise, NEC Article 310 and table 310-16.

[4] For single power supply conductor, sized per NEC table 310-16.

[5] Power supply wire uses 75C rated COPPER CONDUCTORS ONLY.

COOLING PERFORMANCE

UNIT	A.R.I. CERTIFIED RATING			TEMPERATURES IN (°F) COOLING DATA IN M.B.T.U.H.		
	BTUH	EER	CFM	82	95	
H24B	24 000	9.0	750	TOTAL	27.0	24.0
				SENSIBLE	18.5	17.8
				WATTS (kW)	2.4	2.6
H30B	28 000	9.0	1 000	TOTAL	30.6	28.0
				SENSIBLE	21.9	20.4
				WATTS (kW)	2.8	3.1
H36B	34 000	9.0/9.5	1 150	TOTAL	37.0	34.0
				SENSIBLE	25.9	25.2
				WATTS (kW)	3.5	3.9
H48B	48 000	9.5	1 600	TOTAL	51.0	48.0
				SENSIBLE	39.2	37.9
				WATTS (kW)	4.4	4.8
H60B	57 000	9.5	1 900	TOTAL	61.0	57.0
				SENSIBLE	44.6	42.7
				WATTS (kW)	5.8	6.2

Cooling performance based on 80°F DB 67° WB indoor ambient with 0% fresh air. Rated in accordance with ARI and DOE Test Standards.

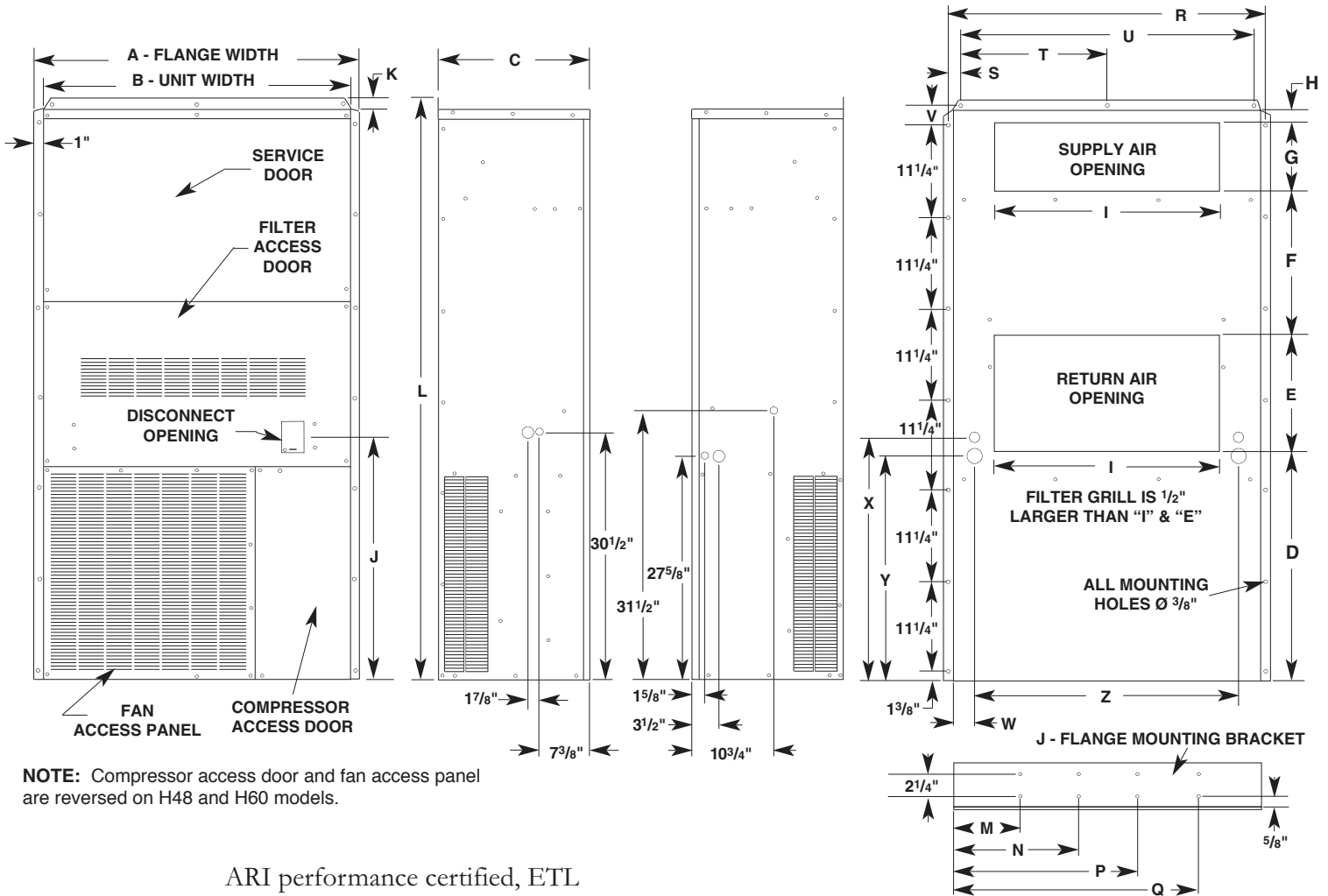
HEATING PERFORMANCE AT EXTENDED OUTDOOR AMBIENTS

UNIT	A.R.I. CERTIFIED RATING MBTUH					
	BTUH 47°F	C.O.P. 47°F	BTUH 17°F	C.O.P. 17°F	HSPF	CFM
H24B	23.0	3.00	12.4	1.90	6.8	750
H30B	29.0	3.05	17.8	2.03	6.8	1000
H36B	35.4	3.10	21.6	2.05	6.8	1150
H48B	48.0	3.10	31.8	2.20	7.0	1600
H60B	57.0	3.00	36.8	2.10	6.8	1900

Based on 70°F DB indoor ambient with 0% fresh air.

UNIT DIMENSIONS

MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	Q	R	S	T	U	V	W	X	Y	Z
H24	36	34	18 ⁵ / ₈	28 ¹ / ₁₆	12	20 ¹ / ₂	8	17 ⁷ / ₈	20	28 ⁹ / ₁₆	1 ¹ / ₈	71 ¹ / ₂	2 ¹ / ₂	10 ¹ / ₂	18 ¹ / ₂	26 ¹ / ₂	34 ⁷ / ₈	1 ¹ / ₈	16	32	1 ¹⁵ / ₁₆	2 ⁹ / ₁₆	29 ¹ / ₂	27 ¹ / ₈	11 ¹ / ₄
H30/36	40	38	18 ⁵ / ₈	28 ¹ / ₂	14	18	8	17 ⁷ / ₈	28	28 ⁹ / ₁₆	1 ¹ / ₈	71 ¹ / ₂	2 ¹ / ₂	10 ¹ / ₂	18 ¹ / ₂	26 ¹ / ₂	39	1 ¹ / ₄	18 ¹ / ₄	36 ³ / ₈	2	2 ⁹ / ₁₆	29 ¹ / ₂	27 ¹ / ₈	11 ¹ / ₄
H48 H60	43 ¹ / ₈	41	24	27 ¹ / ₂	16	30	10	2 ¹ / ₄	30	36 ¹ / ₂	1 ¹ / ₈	87	2 ¹ / ₂	10 ¹ / ₂	18 ¹ / ₂	26 ¹ / ₂	42	1 ¹ / ₈	19 ³ / ₄	39 ¹ / ₂	6 ¹ / ₂	3 ³ / ₄	29 ¹ / ₂	27 ¹ / ₈	11 ¹ / ₄



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