



ENGINEERING DATA

BLOWER COIL UNITS - 50HZ

HX

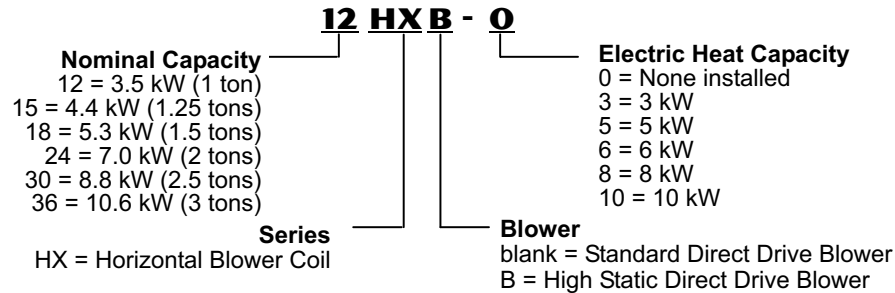
Horizontal Blower-Coil Units
Nominal Capacity - 3.5 to 10.6 kW
Optional Electric Heat - 2.5 to 10 kW

Bulletin No. 490062

January 2004

Supersedes September 1994

MODEL NUMBER IDENTIFICATION



FEATURES

CONTENTS

Blower Data	Page 2
Dimensions	Page 3
Electric Heat Data	Page 2
Features	Page 1
Installation Clearances	Page 3
Model Number Identification	Page 1
Specifications	Page 1

CONTROLS

Factory installed and pre-wired

24 Volt Transformer

Furnished

COILS

- Copper Tubes
- Mechanically bonded to aluminum fins
- Pressure tested

ELECTRIC HEAT MODELS

- Silent operating sequencers
- Electric heat completely factory wired

INDOOR BLOWER

Blower Motor

- Thermal overload protection
- Large oil reservoirs for long bearing life
- Resiliently mounted for quiet operation

Blower Wheels

- Steel construction
- Balanced
- Vibration free operation

CABINET

- Galvanized steel construction
- Low height - 254 mm (10 inches)

Service Access

- Electrical controls accessible from under unit
- Remove two screws for entire blower/motor removal

Drain Pan

- Galvanized steel
- Fully insulated
- Drain outlets on both sides of unit
- Secondary drain outlet furnished

SPECIFICATIONS

General Data	Model Number	12HX-0	15HX-0	18HX-0	24HX-0	30HX-0	36HX-0
		12HX-3	15HX-3	18HX-3	24HX-5 24HXB-5	30HX-5 30HXB-5	36HX-5
		12HX-5	15HX-5	18HX-5	24HX-6 24HXB-6	30HX-6 30HXB-6	36HX-6
		12HX-6	15HX-6	18HX-6	24HX-8 24HXB-8	30HX-8 30HXB-8	36HX-8
				18HX-8	24HX-10 24HXB-10	30HX-10 30HXB-10	36HX-10
	Nominal kW (tonnage)	3.5 (1)	4.4 (1.25)	5.3 (1.5)	7.0 (2)	8.8 (2.5)	10.6 (3)
Connections mm (in.)	Suction line - sweat	15.9 (5/8)	15.9 (5/8)	15.9 (5/8)	15.9 (5/8)	15.9 (5/8)	15.9 (5/8)
	Liquid line - sweat	9.5 (3/8)	9.5 (3/8)	9.5 (3/8)	9.5 (3/8)	9.5 (3/8)	9.5 (3/8)
	Condensate drain male pipe thread	(2) 19 (3/4)	(2) 19 (3/4)	(2) 19 (3/4)	(2) 19 (3/4)	(2) 19 (3/4)	(2) 19 (3/4)
Refrigerant		HCFC-22	HCFC-22	HCFC-22	HCFC-22	HCFC-22	HCFC-22
Electrical characteristics		220/240 volts - 50 hertz - 1 phase					
Shipping weight - kg (lbs.) 1 package		24 (52)	25 (55)	26 (58)	27 (60)	31 (69)	37 (82)

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NOTE - Due to Lennox' ongoing commitment to quality, Specifications, Ratings and Dimensions subject to change without notice and without incurring liability. Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury. Installation and service must be performed by a qualified installer and servicing agency.

ELECTRIC HEAT DATA

Model Number		Volts Input (1 phase)	Heating Capacity	
			kW	Btuh
12HX-3 15HX-3	18HX-3	220	2.5	8 500
		230	2.7	9 300
		240	3.0	10 200
12HX-5 15HX-5 18HX-5 24HX-5	24HXB-5 30HX-5 30HXB-5 36HX-5	220	4.2	14 300
		230	4.6	15 700
		240	5.0	17 100
12HX-6 15HX-6 18HX-6 24HX-6	24HXB-6 30HX-6 30HXB-6 36HX-6	220	5.0	17 200
		230	5.5	18 800
		240	6.0	20 500

Model Number		Volts Input (1 phase)	Heating Capacity	
			kW	Btuh
18HX-8 24HX-8 24HXB-8	30HX-8 30HXB-8 36HX-8	220	6.7	22 900
		230	7.3	25 100
		240	8.0	27 300
18HX-10 24HX-10 24HXB-10	30HX-10 30HXB-10 36HX-10	220	8.4	28 700
		230	9.2	31 400
		240	10.0	34 100

*Refer to local electrical codes to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F (75°C).

BLOWER DATA - STANDARD DRIVES

12HX BLOWER PERFORMANCE

External Static Pressure		High Speed	
Pa	in. w.g.	L/s	cfm
0	0	225	480
12	0.05	210	450
25	0.10	195	410
37	0.15	170	365
50	0.20	150	320

18HX BLOWER PERFORMANCE

External Static Pressure		High Speed	
Pa	in. w.g.	L/s	cfm
0	0	365	770
12	0.05	350	740
25	0.10	335	710
37	0.15	320	675
50	0.20	300	635
62	0.25	280	590
75	0.30	255	540

30HX BLOWER PERFORMANCE

External Static Pressure		High Speed	
Pa	in. w.g.	L/s	cfm
0	0	540	1140
12	0.05	520	1105
25	0.10	505	1070
37	0.15	485	1030
50	0.20	465	990
62	0.25	450	950
75	0.30	425	900

BLOWER DATA - HIGH STATIC DIRECT DRIVE

24HXB BLOWER PERFORMANCE

External Static Pressure		High Speed	
Pa	in. w.g.	L/s	cfm
37	0.15	435	920
50	0.20	420	890
62	0.25	405	860
75	0.30	390	830

15HX BLOWER PERFORMANCE

External Static Pressure		High Speed	
Pa	in. w.g.	L/s	cfm
0	0	280	590
12	0.05	270	570
25	0.10	255	545
37	0.15	245	520
50	0.20	230	490
62	0.25	215	460

24HX BLOWER PERFORMANCE

External Static Pressure		High Speed	
Pa	in. w.g.	L/s	cfm
0	0	365	770
12	0.05	350	740
25	0.10	335	710
37	0.15	320	675
50	0.20	300	635
62	0.25	280	590
75	0.30	255	540

36HX BLOWER PERFORMANCE

External Static Pressure		High Speed	
Pa	in. w.g.	L/s	cfm
0	0	695	1475
12	0.05	680	1440
25	0.10	660	1400
37	0.15	640	1360
50	0.20	625	1320
62	0.25	600	1275
75	0.30	580	1230

30HXB BLOWER PERFORMANCE

External Static Pressure		High Speed	
Pa	in. w.g.	L/s	cfm
37	0.15	525	1110
50	0.20	505	1070
62	0.25	485	1030
75	0.30	465	985

INSTALLATION CLEARANCES

Cabinet	0 mm (0 inch)
Plenum	0 mm (0 inch)
*Duct	*0 mm (0 inch)

*Within 0.9 m (3 feet) of the unit.

DIMENSIONS - MM (INCHES)

Model No	A		B		C	
	mm	inches	mm	inches	mm	inches
12HX 15HX 18HX 24HX/B	946	37-1/4	881	34-11/16	762	30
30HX/B	1099	43-1/4	1033	40-11/16	914	36
36HX	1251	49-1/4	1186	46-11/16	1067	42

