

B6BX Series

Air Handler

**1.5 - 5.0 Ton Capacity - 50 Cycle
18,000 - 60,000 Btuh (Air Conditioner
& Heat Pump)**

The B6BX Series of air handlers, when combined with our heat pump or air conditioner, offer a full line of quality, split system heating and cooling equipment.



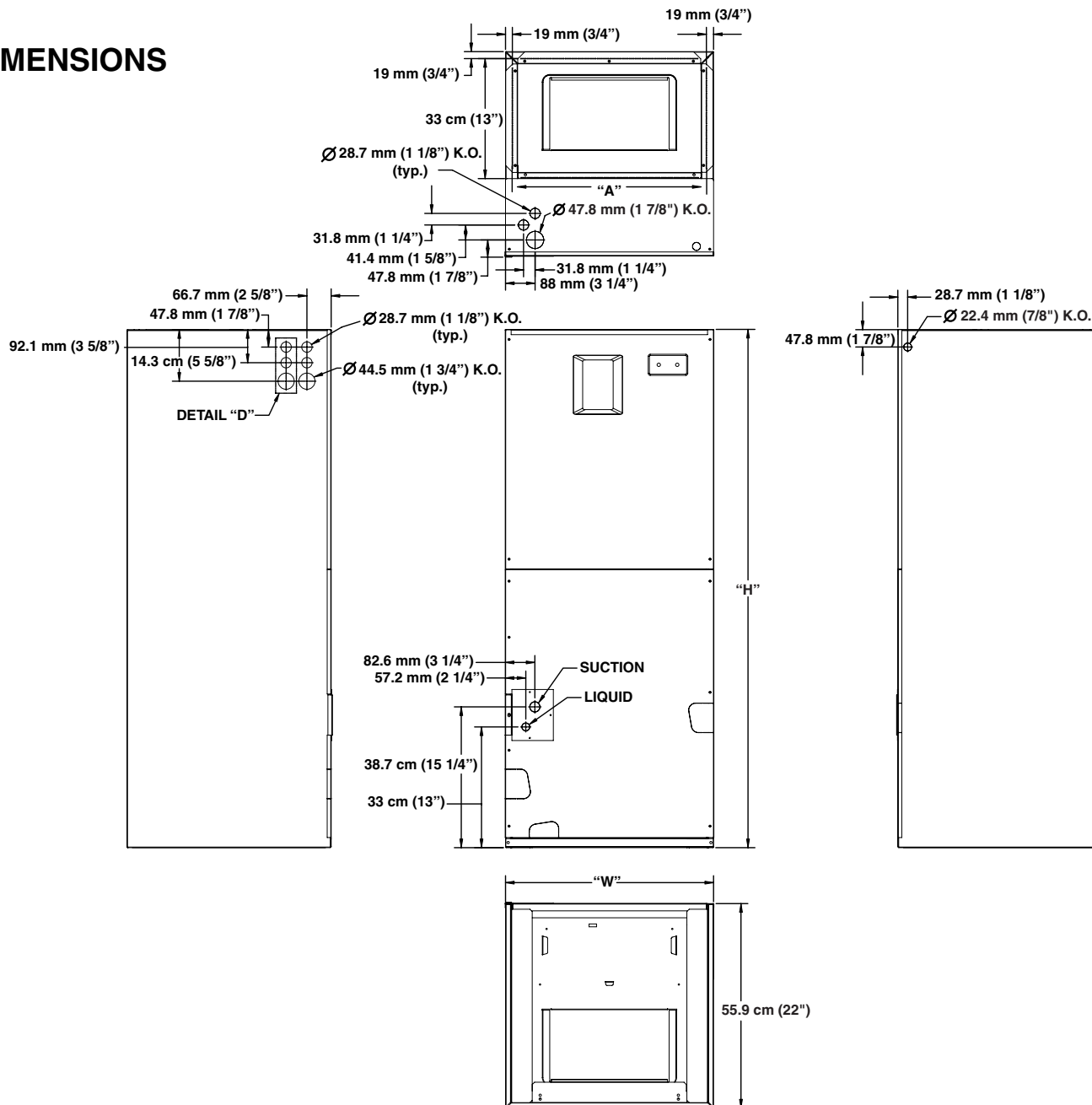
FEATURES and BENEFITS

- **Durable, Attractive Cabinet** — Designed using galvanized steel. The door is also galvanized steel, with a polyester urethane finish. The 950 hour salt spray finish resists corrosion 50% better than comparable units. The plastic drain pan is corrosion-resistant.
- **Multi-poised** — Can be used in horizontal, upflow, downflow and vertical applications.
- **Multi-speed** — Gives flexibility of installation.
- **Ease-of-Service** — Plug-in wire connections and built-in filter rack makes the air handler easy to service.
- **Plug-in Heater Kits** — Available in 5kw - 30 kw (Not for use in 115 Volt units)
- **Circuit Board** — Incorporating blower time delay relay, low voltage terminal strip, and heat-strip sequencing.
- **Air Handler Control Board** — Controls time-sequencing of heat stages with field-selectable sequence timing.
- **Breaker Accessibility** — Breaker accessible from front of unit when heater is applied.
- **No Fasteners on Sides or Back** — Smooth surfaces for ease of installation.
- **Cabinet Insulation** — 1" insulation with an R-value of 4.2 contributes to quiet operation and prevents cabinet sweating in difficult applications.

MODEL IDENTIFICATION CODE - B6BX Air Handler

EX: B6BX-018E			
Air Handler	B	6	B
Series			X
Standard Blower Motor			
		018	E
			A
	Multipoise Export	Nominal Capacity	Electrical Code
		018	Volts-Phase-Cycle
		024/030	220/240/1/50
		036/042	
		048/060	
			Cabinet Identifier
			A = 36.2 cm (14 1/4") Width
			B = 50.2 cm (19 3/4") Width
			C = 57.2 cm (22 1/2") Width

DIMENSIONS



Model	H	W	Refrigerant Connections	
			Suction Dia.	Liquid Dia.
018	110.5 cm (43 1/2")	36.2 cm (14 1/4")	3/4" (19 mm)	3/8" (9.5 mm)
024/030	110.5 cm (43 1/2")	50.2 cm (19 3/4")	3/4" (19 mm)	3/8" (9.5 mm)
036/042	125.7 cm (49 1/2")	50.2 cm (19 3/4")	7/8" (22.2 mm)	3/8" (9.5 mm)
048/060	142.2 cm (56")	57.2 cm (22 1/2")	7/8" (22.2 mm)	3/8" (9.5 mm)

SPECIFICATIONS - B6BX Air Handler - 50 Hz

Air Handler B6BX	018E-A	024/030E-B	036/042E-B	048/060E-C
Nominal Cooling Capacity - Btuh	18,000	24,000/30,000	36,000/42,000	48,000/54,000/60,000
Refrigerant Flow Control	Fixed Orifice			
Orifice Size	.052" (1.32 mm)	.056" (1.42 mm) /.065" (1.65 mm)	.070" (1.78 mm) /.075" (1.91 mm)	.082" (2.08 mm) /.090" (2.28 mm) /.092" (2.33 mm)
Maximum Available Auxiliary Heat (kw)	10	20	20	30
Nominal Blower Size (D x W)	25.4 cm x 15.2 cm (10" x 6")	25.4 cm x 20.3 cm (10" x 8")	25.4 cm x 20.3 cm (10" x 8")	27.9 cm x 25.4 cm (11" x 10")
(H.P. - Speed - Type)	1/6-3-PSC	1/3-3-PSC	1/2-3-PSC	1-5-ECM
Rated External Static Pressure (in. W.C.)	.30	.35	.35	.40
Filter Size (Inches)	30.5 cm x 50.8 cm x 2.5 cm (12" x 20" x 1")	45.7 cm x 50.8 cm x 2.5 cm (18" x 20" x 1")	45.7 cm x 50.8 cm x 2.5 cm (18" x 20" x 1")	50.8 cm x 50.8 cm x 2.5 cm (20" x 20" x 1")
Approximate Shipping Weight kg (lbs.)	45 (100)	52 (115)	57 (125)	68 (150)

ACCESSORIES - B6BX

Accessory Kit Description	Cabinet Size			Order Number
	A	B	C	
Downflow Adaptor Kit	X			917342
Single Circuit Adaptor Kit for 2 Circuits		X		919321
Downflow Single Circuit Adaptor Kit for 3 Circuit Breakers			X	913874
Downflow Single Circuit Adaptor Kit for 2 Circuits			X	919322
Downflow Single Circuit Adaptor Kit for 3 Circuit Breakers			X	913556

KW	Approved for Cabinet	Order Number	
		with Circuit Breaker(s)	w/o Circuit Breaker(s)
5	A, B, C	904407	904406
8	A, B, C	904409	904408
9	A, B, C	904410*	N/A
10	A, B, C	904412	904411
15	B, C	904414	N/A
15	B, C	904415*	N/A
20	B, C	904416	N/A
25	C	921609	N/A
30	C	921610	N/A

* 3 Phase

SYSTEM AIR FLOW DATA - B6BX

Model	HP/wheel	Speed										
018	1/6 HP 25.4 cm x 15.2 cm (10" X 6")	3	Dry Coil ESP	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	
			LOW	627	572	496	N/A	N/A	N/A	N/A	N/A	
			MED	737	680	620	523	456	N/A	N/A	N/A	
			HIGH	920	853	774	694	554	484	N/A	N/A	
024/030	1/3 HP 25.4 cm x 20.3 cm (10" X 8")	3	Dry Coil ESP	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	
			LOW	1125	1079	1018	948	860	745	609	430	
			MED	1293	1228	1157	1072	980	861	712	526	
			HIGH	1466	1387	1304	1207	1103	985	827	641	
036/042	1/2 HP 25.4 cm x 20.3 cm (10" X 8")	3	Dry Coil ESP	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	
			LOW	1473	1403	1327	1240	1146	1051	919	733	
			MED	1539	1463	1387	1295	1196	1095	970	789	
			HIGH	1599	1528	1441	1353	1249	1136	1018	830	
048/060	1 HP 27.9 cm x 25.4 cm (11" X 10")	5	Dry Coil ESP	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	
			M1	1509	1562	1603	1657	1702	1749	1793	1832	
			M2	1663	1709	1750	1801	1848	1885	1934	1974	
			M3	1894	1928	1956	1992	2041	2082	2126	2172	
			M4	2062	2088	2117	2153	2187	2214	2251	2284	
			M5	2110	2143	2165	2194	2229	2262	2299	2331	

Notes:

- Airflow is shown in cfm, +/- 5%.
- External static pressure is shown in inches w.c.
- All airflows are measured without filter and with dry coil. For filter velocity of 91.4 m (300 ft.)/min. subtract .08" external static pressure. For wet coil, subtract .1" external static pressure.
- See unit nameplate or installation instructions for maximum recommended external static pressure.



GENERAL TERMS OF LIMITED WARRANTY

NORDYNE will furnish a replacement for any part of this product which fails in normal use and service within the first year of installation, in accordance with the terms of the warranty.

For complete details of the Limited Warranty, including applicable terms and conditions, see your local installer or contact the NORDYNE warranty department for a copy.

NORDYNE
COMPLETE COMFORT. GENUINE VALUE.

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849D-0812 (Replaces 849D-0212)

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