



Product Guide

B Series

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Multi-Position & Hydronic Air Handlers

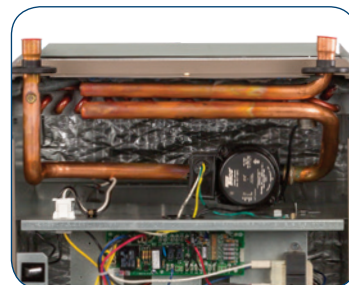


The Premier Upgrade for Any System

Introducing B Series Multi-Position Air Handlers by ADP. Flexible options, including electric and hot water heat, standard and variable-speed motors, make this an ideal choice for many residential applications.



Easy to replace hot water heat kits – available factory or field installed



Two separate front panels for convenient access to internal components

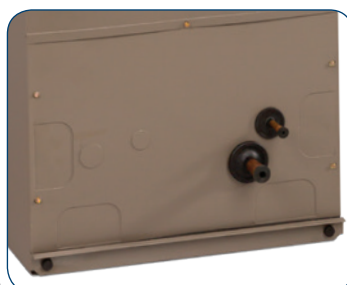


Side return option available on 12–36 BTUH models



Filter rack door with thumb screws for easy access and replacement

Standard sized fiberglass air filter included with every air handler



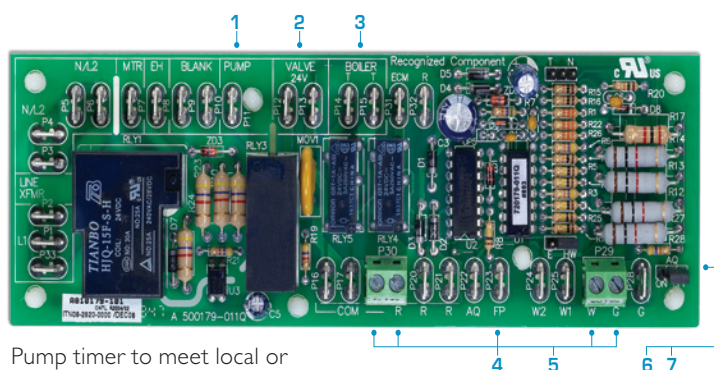
Upflow, horizontal left & right configurations

Left and right dual drain connections with multiple knock-outs offer a variety of installation options



Multi-Function Controls

Easy to read plug and play multi-function control board, standard on all models.



Pump timer to meet local or national codes for water circulation

Control Board Features:

1. Controls both factory and field installed circulating pumps
2. 24 VAC isolation valve control
3. Auxiliary contacts for water heater or boiler activation
5. Thermostat connections
6. 60 second time delay for blower activation
7. 130°F aquastat time delay for blower activation (optional)

Variable-Speed Option

Optional variable-speed high efficiency ECM motor for enhanced product performance.



Variable-Speed Features & Benefits:

- Maintains selected CFM over wide range of static conditions
- Standard fan time delay feature
- Constant air circulation setting for improved IAQ
- LED display for visual indication of air volume

The ADP Advantage

FLEXIBILITY

ADP tailors custom solutions to meet your unique market needs.

QUALITY

ADP proprietary testing technology ensures leak-free performance at the higher operating pressures of R-410A systems.

SERVICE

ADP coils and air handlers are made for seamless installation and easy access.

ENERGY SAVINGS

Many models are available to achieve higher SEER levels for ENERGY STAR compliance, utility rebates, and federal tax credits.

WARRANTY

B Series air handlers feature an available 10-year limited warranty. Simply register online at www.adpwarranty.com.

Product Nomenclature



Made in the USA
from US and imported parts

B C R M A3 9 24 S 3P 3

Series

B: Painted cabinet (taupe)

Blower Motor

C: 3-speed PSC motor
V: Variable-speed high efficiency ECM motor ^[1]

Horizontal Drain Pan Position ^[2]

R: Right-hand
O: No cooling coil

Airflow Configuration

V: Vertical only ^[2]
M: Multi-position ^[3]

Slab Number

Metering Device ^[4]

0: No cooling coil
1: Piston (R-410A)
2: Piston (R-22)
6: Non-bleed A/C TXV (R-410A)
7: Bleed HP-A/C TXV (R-410A)
8: Bleed A/C TXV (R-410A)
9: Non-bleed HP-A/C TXV (R-410A)

Voltage ^{[5] [8]}

1: 208/240V, 60 Hz, 1 ph.
3: 120V, 60 Hz, 1 ph. ^[6]
4: 120V, 60 Hz, 1 ph. & 130°F aquastat ^[6]

Electric Heat ^{[6] [7]}

00: No heat
02: 2.5 kW electric
05: 5 kW electric

Hot Water Coil w/Pump & Valve Assembly ^[5]

2P: 2 row hot water coil (sizes 12-30, 36)
3P: 3 row hot water coil (all sizes)
4P: 4 row hot water coil (sizes 31, 37-60)

Hot Water Coil w/o Pump & Valve Assembly

2N: 2 row hot water coil (sizes 12-30, 36)
3N: 3 row hot water coil (all sizes)
4N: 4 row hot water coil (sizes 31, 37-60)

Line Voltage Connection

S: Stripped wire
T: Terminal block
B: Circuit breaker

Amount of Heat (kW)			
0	2.5	5	Hot Water
●		●	●
	●	○	
		○	

●: standard ○: optional

Unit Size

Slant Coil: 12, 18, 24, 25, 30, 36 (Side Return Capable)
A-coil: 31, 37, 42, 48, 60

[1] Variable-speed motor option not available in some unit sizes and some slab numbers; see price sheet for availability

[2] Horizontal drain pans can be field installed as an accessory in vertical only air handlers for multi-position configuration

[3] Multi-position air handlers will have factory installed horizontal drain pan on right side

[4] 7 and 8 valve options available only for York family products

[5] Hot water pump voltage will match the voltage of the unit

[6] Electric heat models not available in 120V, 60 Hz

[7] Electric heat kits higher than 5 kW only available as field installed kits

[8] All include time delay functionality

Note: Horizontal drain pan position for slant coil models indicate that the opposing side of the cabinet is side air return capable. All air handlers with slant coils can be field converted to allow for either left- or right-side air return. Approved in state Commonwealth of Massachusetts.

Air Handler Size	12	18	24	25	30	31	36	37	42	48	60
Height (in)	44	44	44	48	48	49	48	49	49	49	53
Depth (in)	22	22	22	22	22	26	22	26	26	26	26
Width (in)	15	15	15	18 ½	18 ½	20	18 ½	20	20	20	22

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