



# PRODUCT GUIDE

## Hydronic, Multi-position

Premier Air Handler



# The Premier Upgrade for Any System

ADP hydronic air handlers offer several options for flexibility. They offer electric or hot water heat, as well as, standard or variable-speed motors. Our air handlers are thoroughly tested to ensure quality and deliver reliable ratings. ADP air handlers are the ideal choice for a variety of residential applications.



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## Side Return Option

Available on 12-36 BTUH models

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## Electric or Hot Water Heat

Provides options for heating requirements

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## Slide-out Blower Access

Slide-out blower assembly with multiple electrical connection locations

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## Easy Access Control Panel

Easy-to-access control panel and one-point electrical connections

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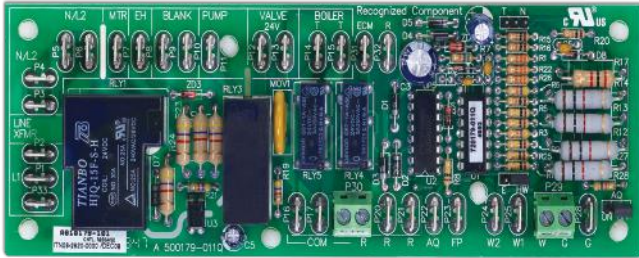
## Multiple Configurations

Upflow, horizontal, left and right configurations for installation flexibility

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## Multi-Function Controls

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



## Variable-Speed Option

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



### Control Board Features:

- Controls both factory and field installed circulating pumps
- 24 VAC isolation valve control
- Auxiliary contacts for water heater or boiler activation
- Freeze protection activates at 40°F
- Thermostat connections
- 60 second time delay for blower activation
- 130°F aquastat time delay for blower activation (optional)
- Pump timer to meet local or national codes for water circulation

### 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

<b>FLEXIBILITY</b>	ADP tailors custom solutions to meet your market needs.
<b>QUALITY</b>	ADP proprietary testing technology ensures leak-free performance at the higher operating pressures of R-410A systems.
<b>SERVICE</b>	ADP air handlers are made for seamless installation and easy access.
<b>ENERGY SAVINGS</b>	Many models are available to achieve higher SEER levels for ENERGY STAR compliance, utility rebates, and federal tax credits.
<b>WARRANTY</b>	ADP air handlers come with a no hassle 5-year warranty and feature an available 10-year limited warranty. Simply register online at <a href="http://www.ADPwarranty.com">www.ADPwarranty.com</a> .



## NOMENCLATURE

B	C	R	M	A3	9	24	S	3P	3
Series	Blower Motor	Horizontal Drain Pan Position	Airflow Config.	Slab No.	Metering Device	Unit Size	Line Voltage Connection	Heat Kit Option	Voltage
<b>B</b>	<b>C:</b> 3-speed PSC motor <b>V:</b> Variable-speed high eff. ECM motor	<b>R:</b> Right-hand <b>O:</b> No cooling coil	<b>V:</b> Vertical only <b>M:</b> Multi-pos.	A1 A2 A3 etc.	<b>0:</b> No cooling coil <b>1:</b> Piston (R-410A) <b>2:</b> Piston (R-22) <b>6:</b> Non-bleed A/C TXV (R-410A) <b>7:</b> Bleed HP-A/C TXV (R-410A) <b>8:</b> Bleed A/C TXV (R-410A) <b>9:</b> Non-bleed HP-A/C TXV (R-410A)	<b>Slant Coil:</b> 12, 18, 24, 25, 30, 36 <i>(Side return capable)</i>  <b>A-coil:</b> 31, 37, 42, 48, 60	<b>S:</b> Stripped wire <b>T:</b> Terminal block <b>B:</b> Circuit breaker	<b>Electric Heat</b> <b>00:</b> No heat <b>02:</b> 2.5 kW elec. <b>05:</b> 5 kW elec. <b>Hot Water Coil w/ Pump &amp; Valve Assembly</b> <b>2P:</b> 2 row hot water coil (sizes 12-30, 36) <b>3P:</b> 3 row hot water coil (all sizes) <b>4P:</b> 4 row hot water coil (sizes 31, 37-60)  <b>Hot Water Coil w/o Pump &amp; Valve Assembly</b> <b>2N:</b> 2 row hot water coil (sizes 12-30, 36) <b>3N:</b> 3 row hot water coil (all sizes) <b>4N:</b> 4 row hot water coil (sizes 31, 37-60)	<b>1:</b> 208/240 V, 60 Hz, 1ph. <b>3:</b> 120 V, 60 Hz, 1ph. <b>4:</b> 120 V, 60 Hz, 1ph. & 130°F aquastat

\* See Spec Guide for additional nomenclature details.

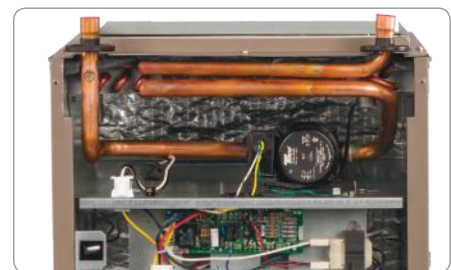
## ADDITIONAL FEATURES



Filter rack door with thumb screws for easy access and replacement



TXV with all threaded connections saves time in the field  
No brazing required



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

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