

PREMIER AIR HANDLERS
PRODUCT GUIDE



NEW FOR 2024
FLEX  COIL



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WHY ADP?

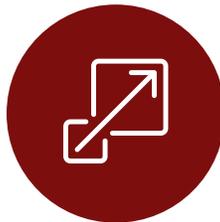
Advanced Distributor Products (ADP) started with a vision to produce the best evaporator coils in the country. In 1992, ADP began production in Grenada, Mississippi, and started developing innovative products that are fully supported by a research and development laboratory, which includes areas for testing, assembling, and designing future products.

Today, ADP offers a wide range of premier HVAC products with exclusive design advantages. We pride ourselves on our quality, flexibility, and solutions. We design our products to fit any application and simplify installation. And we're always open to new partnerships with businesses and the communities we serve.



QUALITY

- Leading US manufacturer of evaporator coils and air handlers
- Built to the highest quality standards
- Microban® antimicrobial technology
- Advanced performance testing simulation software



FLEXIBILITY

- Broadest product line in the industry – thousands of variations available
- Products designed to match perfectly with any system
- Personalized programs for distributor partners
- Custom product strategies to meet local needs



SOLUTIONS

- Short lead times
- Low warranty rates with simple claim process
- Insights from industry experts
- Focused on distributor and dealer success
- Quick and easy installation in the field

THE ADP ADVANTAGE

Offering several options for flexibility, ADP air handlers are thoroughly tested to ensure quality and deliver reliable ratings. Our air handler line accommodates any application need.

ALL ADP AIR HANDLERS OFFER:



Compact and efficient design



Options for heating requirements



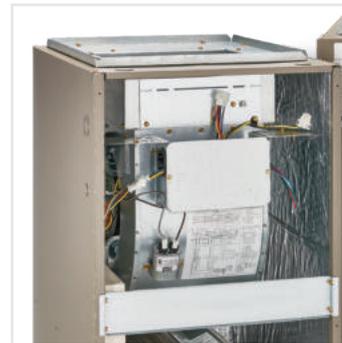
Multiple configurations



Available 10-Year extended warranty with registration



Electric or hot water heat options



Easy access control panel and one-point electrical connections



Multiple configurations for installation flexibility



ECM or PSC motor options for enhanced performance



AIR HANDLER APPLICATION

If you own a heat pump for your home, the indoor component responsible for ceaselessly endeavoring to maintain cozy indoor temperatures is likely your air handler. Typically, air handlers are situated in the attic, basement, or a dedicated closet and may resemble the shape of a gas furnace.

When properly matched with the heat pump's capacity and SEER (Seasonal Energy Efficiency Ratio), the air handler efficiently circulates conditioned air through the home's ductwork. The circulated air can be either cool or hot, depending on the season. It's important to note that according to the Air Conditioning, Heating and Refrigeration Institute (AHRI), using mismatched systems can result in efficiency losses of at least 30% compared to matched systems. Homeowners should consider this efficiency loss when contemplating replacing only the outdoor unit of their split system.





FLEX COIL

ONE COIL. ANY REFRIGERANT. ONLY FROM ADP

WHAT IS FLEXCOIL?

FlexCoil is exactly what the name implies, one coil, any refrigerant, offering the flexibility you need for 2024 and beyond. ADP's FlexCoil is designed to help HVAC distributors and dealers succeed during this year's refrigerant transition.

WHAT MAKES FLEXCOIL THE RIGHT CHOICE?



Flexibility for distributors

- Future-proofs inventory while maintaining backward compatibility
- Minimizes inventory obsolescence risk



Easy installation for dealers

- Provides a full line of coils and air handlers certified for both refrigerant types
- Field or factory-installed Refrigerant Detection System (RDS)
 - Single RDS with dual-calibrated sensor for both R-32 and R-454B
 - Field RDS offers one kit with everything needed to make an easy refrigerant change
- All ADP FlexCoil products come with the sensor bracket preinstalled in the approved location and have mechanical fit connections to install or change the metering device, such as a TXV

HOW DOES FLEXCOIL SIMPLIFY THE TRANSITION TO LOW-GWP REFRIGERANTS?

Discuss your transition with your ADP sales agency to develop a customer product strategy for 2024:

EARLY 2024



Factory Configured for R-410A

MID-2024



Field Configured for low-GWP with TXV & RDS kit

LATE 2024



Factory Configured for low-GWP

Factory or field configurable for R-22, R-410A, R-454B, or R-32

WHEN WILL FLEXCOIL BE AVAILABLE?

FlexCoil options will begin to be available in Q1 2024, with all ADP coil and air handler unit lines transitioning to FlexCoil by mid-year.

Factory Refrigerant	Factory RDS
R-410A	No
R-32	Yes
R-32	No
R-454B	Yes
R-454B	No

Field TXVs	Field RDS
R-410A	Dual: R-32 & R-454B
R-32	
R-454B	



Scan to learn more about ADP's FlexCoil



AIR HANDLER PRODUCT OFFERING

Low Profile

F Series

Factory installed heat, standard or 5-speed high-efficiency ECM motors

FLEX  COIL

120 V & 240 V



Multi-Position & Hydronic

B Series

Multi-position, hydronic for northern climates where heat can be supplied by electric or hot water

FLEX  COIL

120 V & 240 V



Modular Blower

MX Series

Designed for space constrained installations, may also be used as a stand-alone blower

120 V & 240 V



Gas Furnace Replacement Modular Blower

Moduleflex eFurnace™

True replacement for an existing gas furnace as a no-heat unit

120 V



Compact Wall Mount

S Series

Compact wall mount to meet the needs of multi-family market for wall or closet installations

FLEX  COIL



Soffit Mount

CP Series

Ceiling mount designed for a seamless install in multi-family applications

FLEX  COIL





AIR HANDLER PRODUCT COMPARISON



Series	F Series	B Series	S Series	CP Series	MX Series	Moduleflex eFurnace™
DESCRIPTION	Low Profile	Multi-Position & Hydronic	Compact Wall Mount	Soffit Mount	Modular Blower	Gas Furnace Replacement Modular Blower
FLEX COIL						
R-410A	✓	✓	✓	✓		
R-32	✓	✓	✓	✓		
R-454B	✓	✓	✓	✓		
WARRANTY						
Extended Warranty Available	✓	✓	✓	✓	✓	✓
COIL FEATURES						
Aluminum Coil	✓		✓	✓		
Copper Coil	✓	✓	✓	✓		
Microban® Antimicrobial Pan	✓					
UV Resistant Pan	✓	✓	✓	✓		
APPLICATION						
Vertical Upflow	✓	✓			✓	✓
Vertical Downflow	*				✓	✓
Horizontal Right/Left	✓	✓		✓	✓	✓
Air Return	✓ Bottom	✓ Bottom/side°	✓ Front	✓ Bottom	✓ Bottom/side°	✓ Bottom/side
MOTOR						
Variable Speed ECM		✓ 120 V 240 V				
Five-Speed ECM	✓ 120 V 240 V		✓ 240 V	✓ 240 V	✓ 120 V 240 V	✓ 120 V
PSC	✓ 120 V 240 V	✓ 120 V 240 V	✓ 240 V	✓ 240 V	✓ 120 V	
HEAT OPTIONS						
Electric	✓*	*	✓	✓*	*	
Hot Water		✓*			✓	
No Heat	✓	✓		✓	✓	✓

✓ Available factory installed *Available field installed kit °Side return available in 12-36 MBTUH only °° Side return on HW models only

5-YEAR
STANDARD LIMITED
WARRANTY

AVAILABLE
10-YEAR
EXTENDED WARRANTY
WITH REGISTRATION

SCAN THIS CODE TO REGISTER
FOR OUR 10-YEAR WARRANTY.





LOW PROFILE - F SERIES

FLEX  COIL



Scan the QR code
to learn more



Compact, lightweight design, up to 12" shorter than the comparable OEM models

Multi-position configurations including upflow, downflow, and horizontal left or right

Available with PSC or 5-speed high-efficiency ECM motor

Electric or no heat, with optional 5-20 kW heat kit factory or field installed

Available in 208/240 V and 120 V

120 V 5-Speed ECM Air Handler

The 120 V option is designed to target mild climate applications where electric heat isn't a requirement. The supply voltage is a key feature to help installers save time and money in applications where a traditional AC system is being replaced with a heat pump

Improved Air Quality

Microbes can double every 20 minutes on an untreated surface!



Standard plastic pan with visible mold



Plastic pan with Microban® antimicrobial additive

Mold is part of our environment and there are no practical ways to completely eliminate mold spores.

The best defense against mold in a home is to prevent it from taking hold through moisture control and the use of mold resistant building materials.

Compact Design

F Series air handlers are lightweight and up to 12" shorter than the comparable OEM models.



Nomenclature

F	C	M	E31	9	24	S	05	2	N
Series	Blower Motor	Airflow Config.	Slab No.	Refrigerant Type & Metering Device (Field Configurable)	Unit Size	Line Voltage Connection	Electric Heat	Voltage	Refrigerant Detection System (Field Configurable)
F	C: 3-speed PSC motor E: 5-speed high eff. ECM motor	M: Multi-pos. (vertical, left or right horizontal)	E31 E32 E33 etc.	1 = Piston 7 = R-410A Bleed HP-A/C TXV 9 = R-410A Non-bleed HP-A/C TXV A = R454B Non-bleed HP-A/C TXV Piston (R-410A) B = R32 Non-bleed HP-A/C TXV Non-bleed HP-A/C TXV (R-410A)	18 24 25 30 31 36 37 42 48 60	S: Stripped wire B: Circuit breaker	00: none (sizes 18-60) 05: 5 kW (sizes 18-48) 07: 7.5 kW (sizes 18-60) 10: 10 kW (sizes 18-60) 15: 15 kW (sizes 30-60) 20: 20 kW (sizes 48-60)	1: 208/240 V, 60 Hz, 1ph. (ECM only) 2: 208/240 V, 60 Hz, 1ph. (PSC only) 3: 120 V, 60 Hz, 1ph. (ECM only) 4: 120 V, 60 Hz, 1ph. (PSC only)	R = Included (Factory Installed) N = Not Included (Field Installed)



MULTI-POSITION & HYDRONIC - B SERIES

FLEX  COIL



Scan the QR code
to learn more



Multi-position, hydronic for northern climates where heat can be supplied by electric or hot water

Plug and play multi-function control board

Side return option available on 12-36 BTU/H models

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

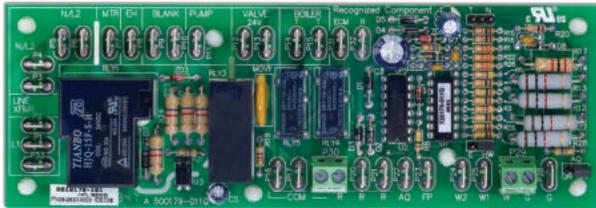
Optional easy-to-replace hot water kits, available factory or field installed

Field configurable for upflow and horizontal left and right

Field installed electric heat kits available for 208/240 V models

Multi-Function Controls

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



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 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

Nomenclature

B	C	R	M	A3	9	24	S	3P	3	N
Series	Blower Motor	Horizontal Drain Pan Position	Airflow Config.	Slab No.	Refrigerant Type & Metering Device (Field Configurable)	Unit Size	Line Voltage Connection	Heat Kit Option	Voltage	Refrigerant Detection System (Field Configurable)
B	C: 3-speed PSC motor V: Variable speed high eff. ECM motor	R: Right-hand O: No cooling coil	M: Multi-pos.	A1 A2 A3 etc.	0 = No Cooling Coil 1 = R-410A Piston 7 = R-410A Bleed HP-A/C TXV 9 = R-410A Non-bleed HP-A/C TXV A = R454B Non-bleed HP-A/C TXV B = R32 Non-bleed HP-A/C TXV	Slant Coil: 12, 18, 24, 25, 30, 36 (side return capable) A-Coil: 31, 37, 42, 48, 60	S: Stripped wire	Heat Options 00: No heat Hot Water Coil w/ Pump & Valve Assembly 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)	1: 208/240 V, 60Hz, 1ph. 3: 120 V, 60Hz, 1ph. 4: 120 V, 60Hz, 1ph. & 130 °F aquastat	R = Included (Factory Installed) N = Not Included (Field Installed)

NOTE: Hot Water Heat models only available in 120 V. See Spec Guide for additional nomenclature details.



MODULAR BLOWER - MX SERIES

Scan the QR code
to learn more



Modular blower offering flexible options and ideal for a variety of applications

208/240 V 5-speed high-efficiency ECM motor with field-installed electric heat kits

120 V PSC or 5-speed high-efficiency ECM motor with hot water heat factory installed

Combine with an existing ADP coil in inventory to reduce SKUs

Upflow, downflow, and horizontal left or right configurations

Electric Heat Unit

Modular Blowers can be used as a stand-alone electric furnace or combined with an ADP coil.

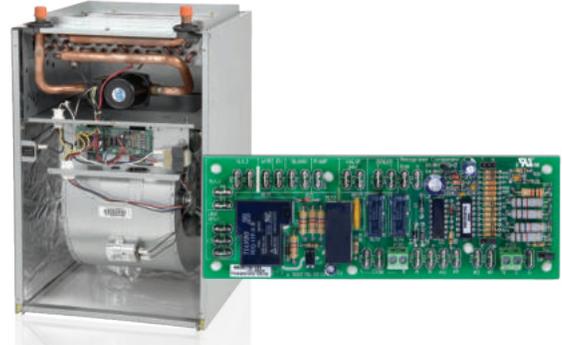


Electric Heat Unit Features:

- High-efficiency 5-speed ECM motor
- 5kW - 20kW field installed Electric Heat Kits
- Slide-out panel with one-point electrical connections
- Add an ADP coil to make complete air handler unit

Hot Water Heat Unit

Easy to read plug and play multi-function control boards provide fast access to key features.



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

Nomenclature

MX	E	08	00	N	2	E
Series	Blower Motor	Size/ Airflow	Hot Water Coil	Line Voltage Connection	Voltage	Heat Size
MX	C: 3-speed PSC motor E: 5-speed ECM motor	08: 800 CFM 12: 1,200 CFM 16: 1,600 CFM 20: 2,000 CFM	00: No hot water coil WP: Hot water coil with pump WN: Hot water coil without pump AP: Hot water coil with 130°F aquastat & pump AN: Hot water coil with 130°F aquastat without pump	N: Stripped wire	2: 208/240 V, 60Hz, 1ph. with time delay 4: 120 V, 60Hz, 1ph. with time delay	B: 3 row hot water coil (available on 08 & 20 models) C: 4 row hot water coil (available on 08, 12 & 16 models) E: No heat (electric heat kits sold separately)

NOTES: **1.** Hot water heat models only available with 120 V 3-speed PSC motor. **2.** No heat models only available with 208/240 V 5-speed ECM motor. See Spec Guide for additional nomenclature details.

Air Handler Size	08	12	16	20
Height (in)	27	27	28	28
Depth (in)	20 ½	20 ½	20 ½	20 ½
Width (in)	17 ½	17 ½	21	24 ½



GAS FURNACE REPLACEMENT MODULAR BLOWER

Scan the QR code
to learn more



True replacement for an existing gas furnace with a heat pump

Upflow, downflow, and horizontal left or right airflow

No electric heat, only for mild climates

30" tall - shorter than most gas furnaces with industry standard A, B, C, and D cabinet widths

Side return capable on both sides

120 V, 5-speed ECM motor

Combine with an existing ADP coil in inventory to reduce SKUs



eFURNACE



Moduleflex eFurnace is a true replacement for an existing gas furnace.

With either side or bottom return capability, this modular blower should be a drop-in replacement with no modification needed to the current system. It has a high-efficiency 5-speed ECM motor with no electric heat which allows for installation with an existing electrical circuit in climate applications where electric heat isn't a requirement.

Features:

- Fits within the existing unit's footprint
- No modification needed to the current system
- High-efficiency 5-speed ECM motor
- No electric heat allows installation with existing electrical circuit

Nomenclature

AEF	E	3	A	00	S	1	H	H	1
Series	Blower Motor	Size/Airflow	Cabinet Width	Electric Heat	Line Voltage Connection	Voltage	Cabinet Color	Front Panel Color	Revision
AEF	E: 5-speed ECM motor	3: 3 Ton / 600-1,200 CFM 4: 4 Ton / 1,000-1,600 CFM 5: 5 Ton / 1,400-2,000 CFM	A: 14.25" B: 17.5" C: 21.0" D: 24.5"	00: No heat	S: Stripped wires	1: 120 V, 60 Hz. 1ph. with time delay	H: Galvanized	H: Galvanized A: Armstrong G: ICP J: Goodman/Amana N: Nordyne P: Carrier/Bryant/Payne R: Rheem/Ruud T: Trane/American Std. Y: York/Luxaire/Coleman	1

See Spec Guide for additional nomenclature details.



SOFFIT MOUNT - CP SERIES



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to learn more



Designed for a seamless and easy install in multi-family applications

1.5, 2, and 2.5-ton options to meet replacement market needs

PSC and ECM motor options

208/240 V with factory-installed heat available in 3, 5, 6, 8, and 10 kW

Match-ups with all OEM brands

Fits industry standard footprint

Optional factory-installed case for new construction

Perfect Fit

ADP provides options for a variety of applications to meet industry needs.



- Fits industry standard footprint
- Shallow depth for easy installation
- Standard connection locations
- PSC and ECM motor options

Cased Options

The soffit mount knock-down case provides for ease of installation and simple servicing.



- Optional factory installed case for new construction
- Knock-down case accessory saves storage space
- Both cased options return air capable

Nomenclature

C	P	18	01C	9	H	P	03	1	C	N
Series	Blower Motor	Unit Size (MBTUH)	Slab Number	Refrigerant Type & Metering Device (Field Configurable)	Airflow Config.	Line Connection	Electric Heat	Voltage	Option	Refrigerant Detection System (Field Configurable)
C: Ceiling mount	P: PSC Motor E: ECM Constant Torque	18 19 23 24 25 29 30	CU Slab: 01C, 03C, 05C AL Slab: 01A, 03A, 05A	1 = Piston 7 = R-410A Bleed HP-A/C TXV 9 = R-410A Non-bleed HP-A/C TXV A = R454B Non-bleed HP-A/C TXV B = R32 Non-bleed HP-A/C TXV	H: Horiz. only	S: Stripped wire (no heat models only) P: Pull disconnect	00: No heat 03: 3 kW (18-24) 05: 5 kW (all sizes) 06: 6 kW (all sizes) 08: 8 kW (all sizes) 10: 10 kW (24-30)	1: 208/240 V, 60 Hz, 1ph.	C = Cased U = Uncased	R = Included (Factory Installed) N = Not Included (Field Installed)

See Spec Guide for additional nomenclature details.

Uncased Size	18, 23	19, 24, 29	25, 30
Height (in)	10.5	10.5	10.5
Depth (in)	19.5	20.5	20.5
Width (in)	37	43	49

Cased Size	18, 23	19, 24, 29	25, 30
Height (in)	11	11	11
Depth (in)	24	24	24
Width (in)	39.7	45.7	51.7



COMPACT WALL MOUNT - S SERIES



Scan the QR code
to learn more



Compact wall mount to meet the needs of multi-family market for wall or closet installations

Compact, lightweight design, at 30" tall and weighing 80 lbs. or less

Available in copper or aluminum

PSC or optional 5-speed high-efficiency motor: 240/208 V, 60 Hz

Factory installed electric heat available

Top refrigerant connections for easy brazing

Low Height

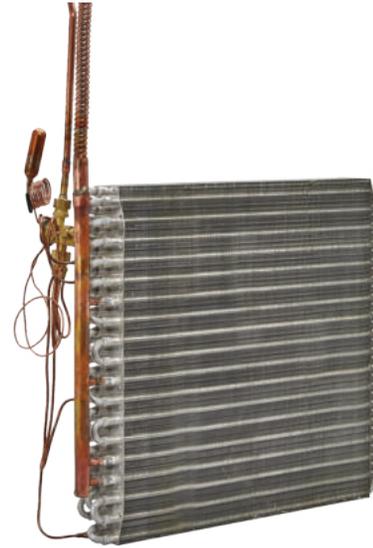
ADP provides options for a variety of applications to meet industry needs.



- 30" tall for heat pump match-ups (35" option also available)

Light Weight

The compact wall mount air handler allows for ease of installation and simple servicing.



- Aluminum and copper wall mount air handler
- Weighing 80 lbs. or less
- Can be a "one-man-job"

Nomenclature

S	M2	1	24	05	N
Series	Slab Number	Refrigerant Type & Metering Device (Field Configurable)	Unit Size	Electric Heat	Refrigerant Detection System (Field Configurable)
S: Compact Wall Mount	Aluminum: M2, M3, M5, M6, M7 Copper: K1, K2, K3, K6, K7, L1, L5, L6, L9	1 = Piston 7 = R-410A Bleed HP-A/C TXV 9 = R-410A Non-bleed HP-A/C TXV A = R454B Non-bleed HP-A/C TXV Piston (R-410A) B = R32 Non-bleed HP-A/C TXV Non-bleed HP-A/C TXV (R-410A)	PSC Motor: 18, 24, 30, 36 ECM High-Efficiency Motor: 19, 25, 31, 37, 39	05: 5 kW (all sizes) 07: 7.5 kW (all sizes) 10: 10 kW (all sizes)	R = Included (Factory Installed) N = Not Included (Field Installed)

See Spec Guide for additional nomenclature details.

Air Handler Size	18, 19	24, 25	30, 31	36, 37	39
Height (in)	30	30	30	30	35.5
Depth (in)	18 ¾	18 ¾	18 ¾	18 ¾	18 ¾
Width (in)	22	22	22	22	22



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