Dial HVAC

ATLAS
STANDARD SERIES

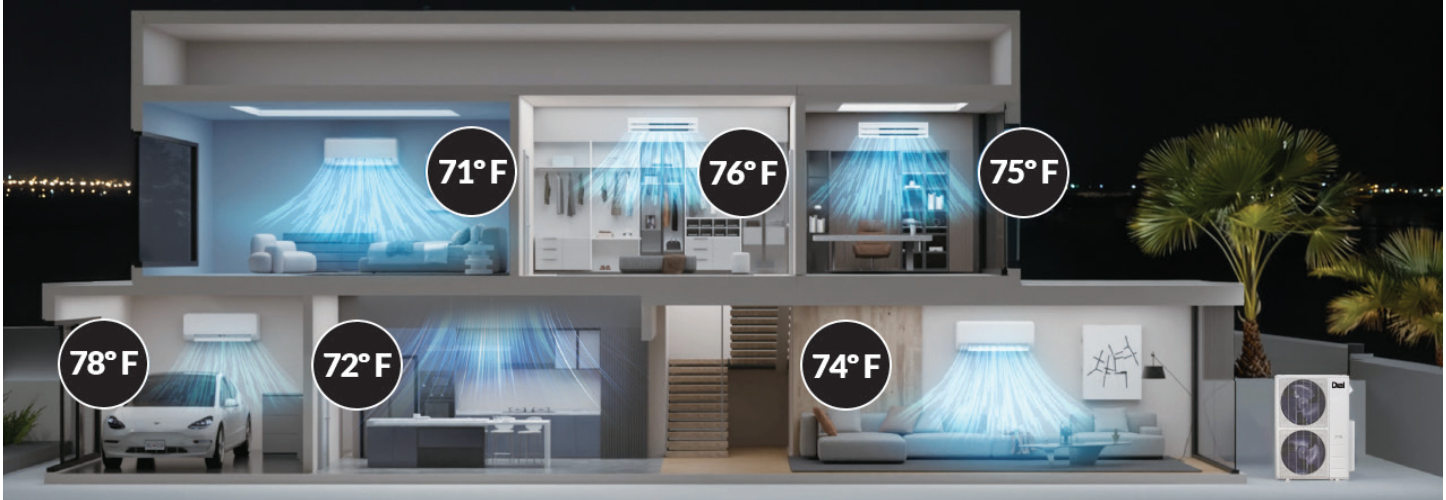
MULTI-ZONE MINI-SPLIT HEAT PUMPS

Atlas Multi-Zone Heat Pumps connect multiple indoor units to a single outdoor unit, providing independent temperature and schedule control for each indoor unit. Save installation space, reduce outdoor noise, and add even greater convenience with standard 24VAC thermostat compatibility.

Atlas Standard Multi-Zone Heat Pumps deliver efficient performance and dependable comfort throughout the changing seasons.



- Up to 23.1 SEER2, 10.0 HSPF2-4 efficiency using eco-friendly R454B and inverter compressors.
- dB Whisper-quiet operation – outdoor as low as 60.0 dB(A), indoor as low as 18.5 dB(A).
- WiFi-enabled operation and full-featured remote included with all non-concealed models. Wired programmable control or 24V mini-interface sold separately; mini-interface supports most 24V conventional thermostats.
- Up to six (6) zones of control with six (6) different indoor equipment options.
- Mix/Match all indoor heads with all Atlas Series mini-splits, single-zone or multi-zone.
- High-Wall, Wall Console, 4-Way or 1-Way Cassette, Horizontal or Multi-Position Air Handler.



AHRI CERTIFIED® www.ahridirectory.org
Unitary Small HP
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

C ETL LISTED US

R454B

10 YEARS WARRANTY COMPRESSOR

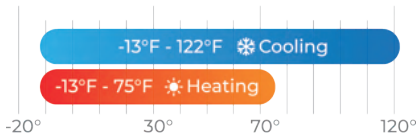
10 YEARS WARRANTY PARTS

OUTDOOR UNIT



- High-Efficiency Heating and Cooling for Year-Round Comfort
- Ideal for Mild to Moderate Climates
- Compatible with Multiple Indoor Unit Types for System Design Flexibility

OPERATING TEMPERATURE RANGES

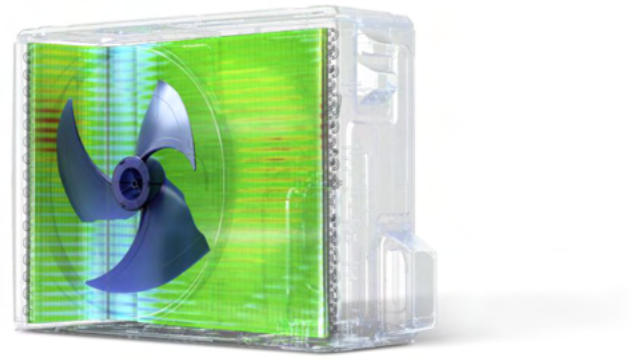


Model	DAS183H2A1	DAS274H2A1	DAS365H2A1	DAS486H2A1	DAS606H2A1
Part No.	80570	80571	80572	80573	80574
SYSTEM					
Available Zones	3	4	5	6	6
Voltage / Freq. / Ph.	208/230V / 60 / 1	208/230V / 60 / 1	208/230V / 60 / 1	208/230V / 60 / 1	208/230V / 60 / 1
Nominal Capacity (BTU/H)	18000	27000	36000	48000	60000
Non-Duct SEER2 / EER2	23.0 / 12.5	23.0 / 12.2	23.1 / 12.0	21.3 / 11.7	19.2 / 10.0
Non-Duct HSPF2-4 / 5	10.0 / 7.7	9.5 / 7.1	10.0 / 7.5	10.0 / 7.7	9.6 / 7.3
Ducted SEER2 / EER2	20.0 / 12.0	21.0 / 12.0	20.0 / 11.7	20.4 / 12.0	18.0 / 10.0
Ducted HSPF2-4 / 5	10.0 / 7.8	9.0 / 7.0	9.2 / 7.4	10.6 / 8.1	9.2 / 7.1
Factory Charge (oz.)	R454B 61.73	R454B 84.66	R454B 120.63	R454B 148.15	R454B 151.68
Factory Charge Limit	74 ft.	98 ft.	123 ft.	148 ft.	148 ft.
Max. Single Line Set	98 ft.	114 ft.	114 ft.	114 ft.	114 ft.
Max. Combined Line Set	196 ft.	262 ft.	262 ft.	262 ft.	262 ft.
Max. Height Diff.	49 ft.	49 ft.	49 ft.	49 ft.	49 ft.
Fan Configuration	Single Fan	Single Fan	Single Fan	Dual Fan	Dual Fan
Sound Level dB(A)	60.0	61.0	63.0	65.0	65.0
ELECTRICAL					
Current Cooling (A)	6.2	10.0	13.0	17.3	26.2
Current Heating (A)	6.6	10.0	14.0	17.3	22.0
Max. Fuse / Breaker Size	20A	25A	35A	45A	45A
Min. Circuit Amp. (A)	16.0	23.0	30.5	40.0	40.0
DIMENSIONS & WEIGHT					
H x W x D (in.)	26.5 x 35.0 x 13.5	31.9 x 37.2 x 16.1	31.9 x 37.2 x 16.1	52.5 x 37.5 x 16.3	52.5 x 37.5 x 16.3
Weight (lbs.)	100.5	138.9	168.9	222.0	237.9



RELIABLE YEAR-ROUND COMFORT

Designed for consistent heating and cooling performance to help maintain comfortable indoor temperatures through changing seasons.



HIGH-EFFICIENCY PERFORMANCE

Variable-speed inverter compressor adjusts output based on demand to help maintain stable indoor temperatures and improved system efficiency.

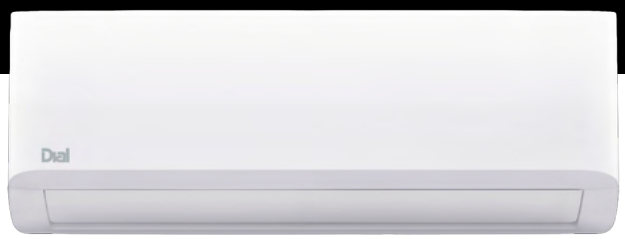
Nomenclature:

D	A	S	18	3	H	2	A	1
Dial	Atlas	Std	kBTU	Zones	Heat Pump	230V	Min. Rev.	Maj. Rev.

Notes:

1. Refer to all local, state, and national electrical codes.
2. Minimum 10 ft. line set required, 15 ft. recommended.
3. Oil traps should be installed for every 20 feet of elevation between IDU and ODU.
4. For line set lengths beyond Factory Charge Limits, refer to IOM for additional charge required.

HIGH-WALL



- Refrigerant Leak Detection Sensor
- Wi-Fi Enabled
- Remote Control Included. Compatible with Optional Wired Programmable Control or 24 VAC Interface

Model	DAP06W2A1	DAP09W2A1	DAP12W2A1	DAP18W2A1	DAP24W2A1	DAP33W2A1
Part No.	80558	80560	80562	80564	80566	80568
Cooling Capacity (BTU/H)	6000	9000	12000	18000	24000	36000
Heating Capacity (BTU/H)	7000	10000	12000	18800	24000	36000
CFM (T/H/M/L)	294/235/177/141	383/294/194/153	383/294/194/153	759/500/441/371	759/589/459/383	830/677/530/447
Airflow Direction	4-Way	4-Way	4-Way	4-Way	4-Way	4-Way
Line Set Diameter	1/4" x 3/8"	1/4" x 3/8"	1/4" x 3/8"	1/4" x 1/2"	3/8" x 5/8"	3/8" x 5/8"
Included Control Type	Remote Control	Remote Control	Remote Control	Remote Control	Remote Control	Remote Control
H x W x D (in.)	11.5 x 28.7 x 7.9	11.6 x 31.6 x 7.9	11.6 x 31.6 x 7.9	13.3 x 42.6 x 9.2	13.3 x 42.6 x 9.2	14.3 x 49.6 x 11.1
Weight (lbs.)	18.08	18.96	18.96	30.42	30.86	43.21

Nomenclature:

D	A	P	09	W	2	A	1
Dial	Atlas	Pro	kBTU	Wall Mount	230V	Min. Rev.	Maj. Rev.

WALL CONSOLE



- Dual Air Outlets
- Refrigerant Leak Detection Sensor
- Wi-Fi Enabled
- Remote Control Included. Compatible with Optional Wired Programmable Control or 24 VAC Interface

Model	DAP09V2A1	DAP12V2A1
Part No.	80608	80609
Cooling Capacity (BTU/H)	9000	12000
Heating Capacity (BTU/H)	9000	12000
CFM (T/H/M/L)	441/377/324/188	441/377/324/188
Line Set Diameter	1/4" x 3/8"	1/4" x 3/8"
Included Control Type	Remote Control	Remote Control
H x W x D (in.)	24.5 x 31.3 x 7.9	24.5 x 31.3 x 7.9
Weight (lbs.)	32.85	32.85

Nomenclature:

D	A	P	09	V	2	A	1
Dial	Atlas	Pro	kBTU	Console	230V	Min. Rev.	Maj. Rev.



FLOOR / LOW-WALL MOUNT

Installation flexibility for spaces where ceiling or high-wall mounting is not preferred.

4-WAY CASSETTE

- Integral Condensate Pump
- Refrigerant Leak Detection Sensor
- Wi-Fi Enabled
- Decorative Front Panel Required, Sold Separately
- Remote Control Included. Compatible with Optional Wired Programmable Control or 24 VAC Interface



Model	DAP09C2A1	DAP12C2A1	DAP18C2A1	DAP24C2A1
Part No.	80586	80587	80588	80589
Cooling Capacity (BTU/H)	9000	12000	16000	23400
Heating Capacity (BTU/H)	10000	12000	19000	25000
CFM (T/H/M/L)	353/312/265/183	417/365/306/194	447/389/318/194	765/706/636/547
Airflow Direction	4-Way	4-Way	4-Way	4-Way
Line Set Diameter	1/4" x 3/8"	1/4" x 3/8"	1/4" x 1/2"	3/8" x 5/8"
Included Control Type	Remote Control	Remote Control	Remote Control	Remote Control
Front Panel (Required)	DAP091218P / PN 80591	DAP091218P / PN 80591	DAP091218P / PN 80591	DAP24P / PN 80592
H x W x D (in.)	9.7 x 22.4 x 22.4	9.7 x 22.4 x 22.4	9.7 x 22.4 x 22.4	8.1 x 32.7 x 32.7
Weight (lbs.)	35.27	35.27	35.27	47.18



360° AIR DISTRIBUTION

The four-way airflow design delivers conditioned air throughout the space for more even temperature distribution and consistent comfort.



CEILING TILE INTEGRATION

The 9K, 12K, and 18K cassette units are sized to fit a standard 24” × 24” ceiling tile opening, helping simplify installation while maintaining a clean, built-in appearance.

Nomenclature:

D	A	P	09	C	2	A	1
Dial	Atlas	Pro	kBTU	4-Way Cassette	230V	Min. Rev.	Maj. Rev.

1-WAY CASSETTE



- Integral Condensate Pump
- Refrigerant Leak Detection Sensor
- Wi-Fi Enabled
- Decorative Front Panel Included
- Remote Control Included. Compatible with Optional Wired Programmable Control or 24 VAC Interface

Model	DAP09N2A1	DAP12N2A1	DAP18N2A1
Part No.	80594	80595	80596
Cooling Capacity (BTU/H)	9000	12000	16700
Heating Capacity (BTU/H)	10900	12500	20000
CFM (T/H/M/L)	341/294/259/235	353/312/283/247	400/352/300/207
Airflow Direction	1-Way	1-Way	1-Way
Line Set Diameter	1/4" x 3/8"	1/4" x 3/8"	1/4" x 1/2"
Included Control Type	Remote Control	Remote Control	Remote Control
H x W x D (in.)	9.0 x 50.3 x 13.2	9.0 x 50.3 x 13.2	9.0 x 50.3 x 13.2
Weight (lbs.)	45.2	45.2	45.2



LINEAR AIRFLOW DESIGN

Delivers conditioned air in a single directional pattern to help maintain consistent temperatures in narrow or perimeter areas. Well suited for retrofit, residential, and light commercial spaces with limited or linear ceiling layouts.



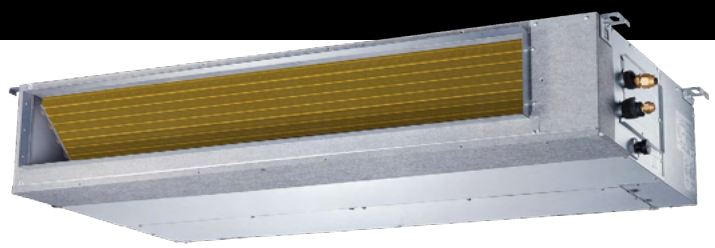
2-WAY INSTALLATION

Versatile installation options include push-in mounting between joists or suspension using threaded rod, making it suitable for residential and light commercial applications in both new construction and retrofit projects.

Nomenclature:

D	A	P	09	N	2	A	1
Dial	Atlas	Pro	kBTU	1-Way Cassette	230V	Min. Rev.	Maj. Rev.

HORIZONTAL DUCTED



- Integral Condensate Pump
- Intelligent Pre-Heat for Comfort
- Refrigerant Leak Detection Sensor
- Programmable Wi-Fi Enabled Control Included. Compatible with Optional 24 VAC Interface
- 12K & 18K BTU: Low Static — Up to 0.4 in. w.c.
  24K BTU: High Static — Up to 0.8 in. w.c.

Model	DAP12D2A1	DAP18D2A1	DAP24D2A1
Part No.	80601	80602	80603
Cooling Capacity (BTU/H)	12000	17000	24000
Heating Capacity (BTU/H)	12500	19000	26000
CFM (T/H/M/L)	400/324/265/177	600/559/500/441	854/706/618/500
Line Set Diameter	1/4" x 3/8"	1/4" x 1/2"	3/8" x 5/8"
H x W x D (in.)	7.9 x 27.6 x 19.9	8.3 x 34.7 x 26.5	9.7 x 39.4 x 29.5
Weight (lbs.)	39.5	54.5	80.5



CONCEALED DUCTED DESIGN

Compact, low-profile design supports installation above ceilings and in soffit spaces, helping maintain interior aesthetics while delivering conditioned air throughout the space based on the duct layout.

Nomenclature:

D	A	P	09	D	2	A	1
Dial	Atlas	Pro	kBTU	Horiz. Ducted	230V	Min. Rev.	Maj. Rev.

MULTI-POSITION DUCTED



- Built-In Filter Rack (Filter Not Included)
- Aluminum-Alloy Fin/Tube Coil
- Class-Leading, Durable Construction with Less Than 2% Cabinet Leakage
- Optional Electric Heat
- Multi-Position Design Supports Vertical Up for Down, Horizontal Left, and Horizontal Right Installations
- Compatible with Optional Programmable Wi-Fi Enabled Control or Most Conventional 24VAC Thermostats

Model	DAP18M2A1	DAP24M2A1	DAP30M2A1
Part No.	80604	80605	80606
Cooling Capacity (BTU/H)	18000	23000	30000
Heating Capacity (BTU/H)	18000	26000	30000
CFM (T/H/M/L)	618/577/530/489	824/759/695/630	989/895/806/712
Line Set Diameter	1/4" x 1/2"	3/8" x 5/8"	3/8" x 5/8"
Filter Bracket Size (in.)	16 × 20 × 1	16 × 20 × 1	20 × 20 × 1
H x W x D (in.)	45 x 17.5 x 21	45 x 17.5 x 21	49 x 21 x 21
Weight (lbs.)	104.7	104.3	127.9

Nomenclature:

D	A	P	09	M	2	A	1
Dial	Atlas	Pro	kBTU	Multi-Position	230V	Min. Rev.	Maj. Rev.

Electric Heat Kit (Optional)

Note: Requires separate 208/230V circuit(s).

Model	EAH-05E(UL)	EAH-08E(UL)	EAH-10E(UL)	EAH-15E(UL)
Part No.	80653	80654	80655	80656
Applicable Models	18K, 24K, 30K	18K, 24K, 30K	18K, 24K, 30K	24K, 30K
Number of Circuits	1	1	1	2
208/230V Circuit 1 MCA	23A / 27A	37A / 42A	46A / 53A	23A / 27A
208/230V Circuit 2 MCA	N/A	N/A	N/A	46A / 53A
208/230V Circuit 1 MOP	25A / 30A	40A / 45A	50A / 60A	25A / 30A
208/230V Circuit 2 MOP	N/A	N/A	N/A	50A / 60A



ATLAS

STANDARD SERIES

MULTI-ZONE MINI-SPLIT HEAT PUMPS

DIAL MANUFACTURING, INC.
430 N 47TH AVE, PHOENIX, AZ 85043

1.800.350.DIAL (3425)
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COMPLETE INSTALLATION SOLUTIONS



Mini-Interface for Standard 24V Thermostats
Part No. 80670

Wired Programmable Control, Wi-Fi Enabled
Part No. 80669

120/240V 25kA Surge Protective Device
Part No. 73021

60A 120/240V Non-Fusible Surge-Guard Disconnect
Part No. 76140

Replacement 60A Surge-Guard Pullout
Part No. 76141

OTHER AVAILABLE ACCESSORIES

- Wi-Fi Modules
- EZ-Pull UV Line Sets
- Line Set Covers
- Condensate Management
- PolarPad Equipment Pads
- Electrical Disconnects

Refer to the **Accessories Guide** for complete specifications, compatibility details, and system integration information to ensure proper selection across all installation accessories.

SCAN ME