



innovair®

INNOVATIVE IDEAS IN AIR CONDITIONING

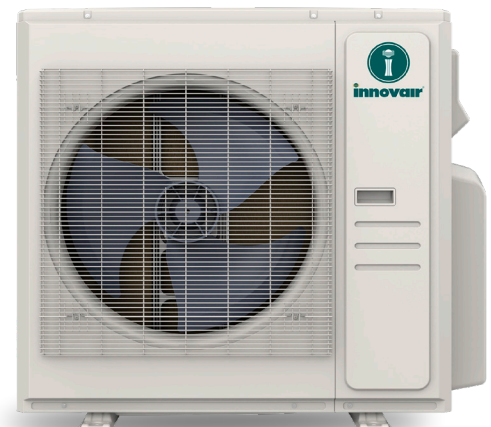


Main Features

- R454B Environmentally Friendly Refrigerant
- A2L Sensor factory installed
- EnergyStar for all models
- Low ambient operation to -13°F
- IRA Tax Rebate for select models
- WIFI included with auto-diagnostic app
- Automatic Refrigerant Leak Shut-Off Valve
- Up to 6 Zones (select models)
- Mix and Match with 7 indoor options
- Auto defrosting
- 24V Capable (Conversion kit sold separately)

UP TO **22 SEER2**
EFFICIENCY

M4MULTI



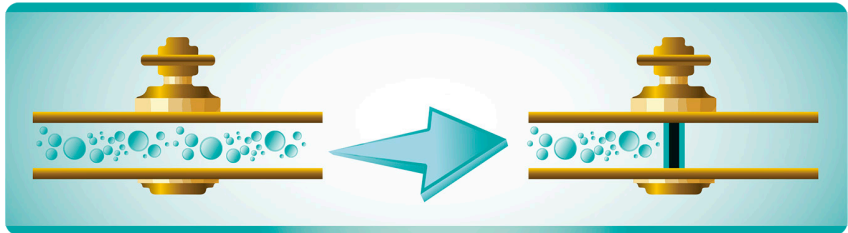
INVERTER

R454B

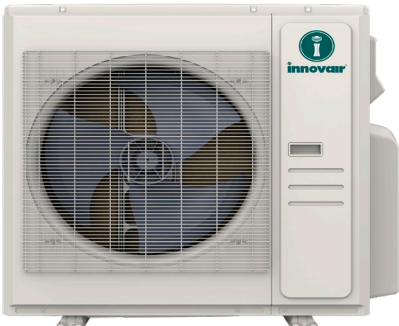


AIR CONDITIONING
CERTIFIED





Shut off electrical ball valve to block the refrigerant and reduce the leak rate



UP TO 6 ZONES - MIX AND MATCH

Type (Multi Zone)			Up to 3 indoor units	Up to 4 indoor units	Up to 5 indoor units	Up to 6 indoor units	Up to 6 indoor units
Model #			MOM18H2BM3A	MOM27H2BM4B	MOM36H2BM5B	MOM48H2BM6B	MOM60H2BM6B
AHRI# (Non-Ducted)			215725489	215725505	215725507	215725510	215835699
E-STAR _ V6.1			No	No	No	No	No
Gas			R454B	R454B	R454B	R454B	R454B
Voltage, Frequency, Phase		V-Hz-Ph	208/230 - 60 - 1	208/230 - 60 - 1	208/230 - 60 - 1	208/230 - 60 - 1	208/230 - 60 - 1
Voltage Range		V	187~253	187~253	187~253	187~253	187~253
Cooling	Rated Capacity at 95°F	Btu/h	18000	27000	36000	42000	42000
	Cooling Capacity Range(MIN-MAX)	Btu/h	5400~24000	7200~32000	9000~40000	12000~52000	19000~61000
	Capacity at 115°F	Btu/h	18400	27400	30000	42000	46000
	Power Input	W	1500	2215	2990	3740	6000
	Current Range	A	3.5 ~9.5	4.0 ~13.0	5.0 ~19.0	7.0 ~27.0	10.0 ~28.0
	EER2 at 95°F	Btu/h/W	12,00	12,00	11,7	12	10
	SEER2	Btu/h/W	20,00	21,00	20	20,4	18
Working Temperature Range		°F	-13~122	-13~122	-13~122	-13~122	-13~122
Heating	Rated Capacity at 47°F	Btu/h	19000	26600	37000	47000	60000
	Heating Capacity Range(MIN-MAX)	Btu/h	5700~22000	8400~28800	10000~40500	13000~53000	20000~61000
	Power Input	W	1465	2165	3389	3532	4753
	Current Range	A	3.0 ~7.0	4.0 ~10.5	5.0 ~16.0	7.0 ~23.0	10.0 ~23.0
	COP2 at 47°F	W/W	3,80	3,60	3,2	3,9	3,7
	COP @ 5°F	W/W	2,30	2	2	2,1	2,1
	HSPF2(IV)	Btu/h/W	10	9,00	9,2	10,6	9,2
	HSPF2(V)	Btu/h/W	7,8	7	7	8,1	7,1
	Rated Capacity Heating at 17°F-8.3°F	Btu/h	14600	18600	28000	41000	41000
	Maximum Heating Capacity @17°F-8.3°F	Btu/h	14600	18600	28000	41000	41000
	Maximum Heating Capacity @5°F-15°F	Btu/h	14600	18800	26000	38000	40000
	Maximum Heating Capacity @-5°F-20.5°F	Btu/h	10600	13400	21800	25000	35000
	Maximum Heating Capacity @-13°F-25°F	Btu/h	8200	12000	17500	24000	23000
	Working Temperature Range0	°F	-13~75	-13~75	-13~75	-13~75	-13~75
Max. td Fuse/Breaker		A	20	25	35	40	40
Power Source Cable Size		No.× AWG	3×14AWG	3×12AWG	3×10AWG	3×10AWG	3×10AWG
Communication Cable Size		No.× AWG	4×14AWG	4×14AWG	4×14AWG	4×14AWG	4×14AWG
Airflow Outdoor Unit		CFM	1766	2131	2148	4503	4503
Noise Level		dB(A) (Max)	59	61	62,5	63	64
Compressor	Model		KTN150D30UFZA	KTM240D46UKT2	KTF310D43UMT	KTQ420D1UMU	KTQ420D1UMU
	Type		Twin-ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
Net Dimension (WxDxH)		inch	40.55 x 17.24 x 29.53	42.91 x 19.68 x 34.84	42.91 x 19.68 x 34.84	43.11 x 19.49 x 58.27	43.11 x 19.49 x 58.27
Net Weight		lbs	100.5	139	169	222	238

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EZ-Highwall

- The E-Box and PCB are positioned at the front of the unit, for effortless access.
- The blower wheel can be easily removed, allowing for straightforward disassembly and maintenance.
- A larger air inlet and outlet enhance airflow efficiency.
- Vertical and horizontal louvers feature an Auto-Swing function for optimal air distribution.
- The magnetic filter on top is designed for quick and easy removal.
- Compatible with both Regular outdoor units (-13°F) and Hyper outdoor units (-22°F).
- Includes a Self-Cleaning feature (available on Single-Zone systems only).
- Equipped with Follow Me mode for personalized comfort.
- Eco Mode functionality (specific to Single-Zone systems).
- 46°F Freeze Protection ensures reliable performance in cold conditions.

Model #		MHW09H2BHRB	MHW12H2BHRB	MHW18H2BHRB	MHW24H2BHRB	MHW33H2BHRA
Cooling/Heating capacity	Btu/h	9000 / 10000	12000 / 12000	18000 / 18000	24000 / 25000	33000 / 36000
Power	V/Hz/f	208-230V~,60Hz,1P	208-230V~,60Hz,1P	208-230V~,60Hz,1P	208-230V~,60Hz,1P	208-230V~,60Hz,1P
Air flow (H/M/L)	CFM	325 / 230 / 180	325 / 230 / 180	500 / 360 / 295	625 / 415 / 320	736 / 600 / 424
Noise Level (Sound Pressure)	dB(A)	43 / 31 / 18	43 / 31 / 18	38 / 33 / 28	43 / 39 / 21	54 / 47 / 36
Net Dimension (WxHxD)	inch	33 ½ x 9 ¼ x 11 ¾	33 ½ x 9 ¼ x 11 ¾	40 x 9 ¾ x 12 ½	47 x 11 ¼ x 14 ¾	47 x 11 ¼ x 14 ¾
Net Weight	lbs	23	23	27	44	44

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- Activated Carbon Filter for enhanced air purification
- Anti-Corrosive GoldFin Coating for durability
- Omni-Directional Airflow for comprehensive circulation
- Sleep Mode for nighttime comfort
- Turbo Mode for rapid cooling or heating
- Adjustable Fan Speeds for customized airflow
- Detection of Refrigerant Leaks for system protection
- Self-Diagnosis feature for quick troubleshooting
- Fresh Air Intake to improve indoor air quality



Body Model #		MCS09H2BHRA	MCS12H2BHRA	MCS18H2BHRA	MCS24H2BHRA
Cooling/Heating capacity	Btu/h	9000 / 10000	12000 / 12000	18000 / 18000	24000 / 25000
Power	V/Hz/Ph	208-230V~,60Hz,1P	208-230V~,60Hz,1P	208-230V~,60Hz,1P	208-230V~,60Hz,1P
Air flow (TurboH/M/L)	CFM	353/312/265/183	418/365/306/194	447/389/318/194	765/706/636/547
Noise Level (Sound Pressure)	dB(A)	43/40/37/26	46/42/39/27	48/44/41/29	46/43/34
Net Dimension (WxDxH)	inch	22 ½ x 22 ½ x 9 ¾	22 ½ x 22 ½ x 9 ¾	22 ½ x 22 ½ x 9 ¾	32 ¾ x 32 ¾ x 8
Net Weight	lbs	35	35	35	47

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- Intelligent airflow: Three-speed fan motor allows static air pressure to be adjusted automatically or manually for optimal performance.
- Anti-cold air feature: Prevents cold air from blowing into the room during startup by delaying fan operation until the coil is warm.
- Quick cooling/heating function: Runs at full capacity to quickly achieve the desired temperature when there's a difference of over 10 degrees from the room temperature.
- Aluminum coil: Offers improved corrosion resistance compared to copper coils.
- Optional auxiliary heater: Backup heating available in 5kW, 10kW, 15kW, and 20kW models, sold separately.
- Auto-restart feature: Automatically resumes operation after a power outage.
- Refrigerant leak alert: Displays error code "EC" to protect the compressor from potential damage caused by refrigerant leaks.
- Wired controller: Compatible with most 24V wired thermostats for seamless integration.
- True multi-position air handler: Designed for flexible installation in horizontal or vertical (upward or downward) orientations to maximize space efficiency.

Model #		MAH18H2MHWA	MAH24H2MHWA	MAH30H2MHWA	MAH36H2MHWA
Cooling/Heating capacity	Btu/h	18000 / 18000	24000 / 25000	30000 / 30000	36000 / 37000
Power	V/Hz/Ph	208-230V~,60Hz,1P	208-230V~,60Hz,1P	208-230V~,60Hz,1P	208-230V~,60Hz,1P
Air flow (H/M/L)	CFM	618/530/489	824/695/630	989/806/712	1189/971/865
Noise Level (Sound Pressure)	dB(A)	42/40/33	44/42/29	44/41/26	48/45/31
Net Dimension (WxDxH)	inch	21.02 x 17.52 x 45.00	21.02 x 17.52 x 45.00	21.02 x 21.02 x 49.02	21.02 x 21.02 x 49.02
Net Weight	lbs	105	105	128	128

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Model #		MFC18H2BHRA	MFC24H2BHRA
Cooling/Heating capacity	Btu/h	18000 / 20000	24000 / 25000
Power	V/Hz/Ph	208-230V~,60Hz,1P	208-230V~,60Hz,1P
Air flow (TurboH/M/L)	CFM	577/547/486/421	736/706/606/453
Noise Level (Sound Pressure)	dB(A)	43/40/32	51/49/45/34
Net Dimension (WxDxH)	inch	42 x 9 ¼ x 26 ½	42 x 9 ¼ x 26 ½
Net Weight	lbs	58.4	61.3

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Model Name		MDH09H2MHWA	MDH12H2MHWA	MDH16H2MHWA	MDH24H2MHWA
Cooling/Heating capacity	Btu/h	9000 / 10000	12000 / 12000	18000 / 18000	24000 / 25000
Power	V/Hz/Ph	208-230V~,60Hz,1P	208-230V~,60Hz,1P	208-230V~,60Hz,1P	208-230V~,60Hz,1P
Indoor Static Pressure Range	in.w.g	0-0.8	0-0.8	0-0.8	0-0.8
Air flow (TurboH/M/L)	CFM	344/288/231/201	419/350/256/216	706/618/530/441	854/706/618/500
Noise Level (Sound Pressure)	dB(A)	31/30/29	34/33/31	40/37/35/33	43/40/38/36
Net Dimension (WxDxH)	inch	27 ½ x 29 ½ x 9 ¾	27 ½ x 29 ½ x 9 ¾	39 ½ x 29 ½ x 9 ¾	39 ½ x 29 ½ x 9 ¾
Net Weight	lbs	64	64	80	80

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Model Name		MDL09H2MHWA	MDL12H2MHWA	MDL18H2MHWA
Cooling/Heating capacity	Btu/h	9000 / 10000	11500 / 12000	17000 / 20000
Power	V/Hz/Ph	208-230V~,60Hz,1P	208-230V~,60Hz,1P	208-230V~,60Hz,1P
Indoor Static Pressure Range	in.w.g	0-0.4	0-0.4	0-0.4
Air flow (TurboH/M/L)	CFM	324/265/206/147	400/323/265/177	600/559/500/441
Noise Level (Sound Pressure)	dB(A)	34/33/29	34/33/29	41/39/38
Net Dimension (WxDxH)	inch	27 ½ x 20 x 8	27 ½ x 20 x 8	34 ¾ x 26 ½ x 8 ¼
Net Weight	lbs	40	40	55

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MULTI POSITION AHU

FLOOR/CEILING



HIGH STATIC FAN COIL



• Wired Controller Included

LOW PROFILE FAN COIL

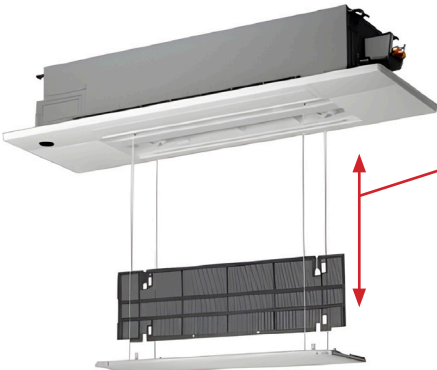


ONE-WAY CASSETTE

Body Model #		MC009H2BHRA	MC018H2BHRA
Cooling/Heating capacity	Btu/h	9000 / 11000	18000 / 18000
Power	V/Hz/Ph	208-230V~,60Hz,1P	208-230V~,60Hz,1P
Air flow (Turbo/H/M/L)	CFM	341/294/259/235	400/352/300/207
Noise Level (Sound Pressure)	dB(A)	47/39/34/24	44/41/30
Net Dimension (WxDxH)	inch	50 ¼ x 13 ¼ x 9	50 ¼ x 13 ¼ x 9
Net Weight	lbs	45	45

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NOTE: MC009H2BHRB can be dip switched down to a 6K
MC018H2BHRB can be dip switched down to a 12K



58-3/4in

MLFP (Motorized Lowering Filter Panel)

Eliminate the need for manual access with the Motorized Elevation Panel, which autonomously adjusts its position.

By activating the Elevation Panel function via the remote controller or smart control system, the panel descends automatically, allowing effortless access to the air filter for maintenance or replacement.

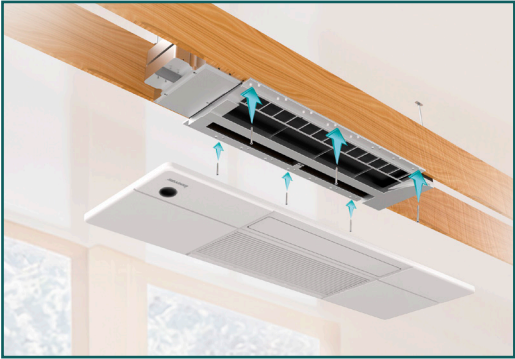
CONSOLE

Model #		MCW12H2BHRA	MCW16H2BHRA
Cooling/Heating capacity	Btu/h	11500 / 12000	17000 / 16000
Power	V/Hz/Ph	208-230V~,60Hz,1P	208-230V~,60Hz,1P
Air flow (TurboH/M/L)	CFM	441/377/324/188	500/441/383/324
Noise Level (Sound Pressure)	dB(A)	42/39/35/30	42/39/29
Net Dimension (WxDxH)	inch	31 ½ x 8 x 24 ½	31 ½ x 8 x 24 ½
Net Weight	lbs	33	33

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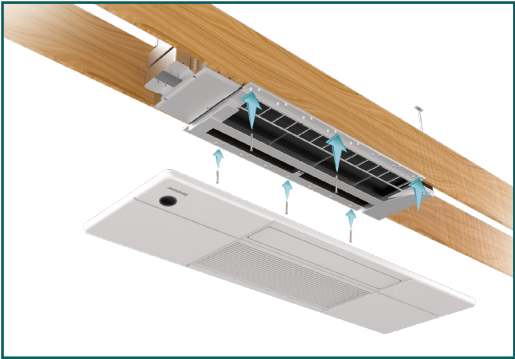
2-way Installation

Our hangers with optimized anti-cutting design are easy to grab and lift up, preventing hands from scratching by the sharp edge.



Push-in Installation

An unique & exclusive Push-In Case is designed for easy installation options. Installers can plug in the cassette body unit between the joist and fix it on the beams with screws



MULTI INDOOR UNITS COMBINATIONS

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