



MOOVAIR®

MYRIAD

Multizone standard &
cold climate heat pumps



* Myriad+ 3-4 zone outdoor unit shown

* Myriad+ 6 zone outdoor unit shown

UP TO
23.1
SEER2

HEATING
PERFORMANCE
DOWN TO
-25°C
-30°C



HEAT+



Technical specifications

-25°C

MYRIAD

Maximum number of connected IDU			3	4	5	6
Outdoor model			MXHSA1832AN1	MXHSA2742AV1	MXHSA3652AV1	MXHSA4862AV1
Cooling	Capacity (range)	Btu/h	18,000 (5,400~21,600)	27,000 (7,200~32,000)	36,000 (9,000~42,000)	47,000 (12,000~55,000)
	EER2 Non-Ducted		12.5	12.2	12	11.7
	EER2 Ducted		12	12	11.7	12
	EER2 Mixed Ducted & Non-Ducted		13	12.5	11.85	12.25
	SEER2 Non-Ducted		23	23	23.1	21.3
	SEER2 Ducted		20	21	20	20.4
	SEER2 Mixed Ducted & Non-Ducted		22.55	23	22	22.2
Heating	Capacity (range)	Btu/h	19,000 (5,700~21,600)	27,000 (8,400~27,000)	37,000 (10,000~37,000)	48,000 (13,000~51,000)
	COP at 8.3°C		3.8	3.8	3.5	3.9
	HSPF2 Region V (Region IV) Non-Ducted		7.7 (10)	7.4 (9.5)	7.4(9.5)	8(10.3)
	HSPF2 Region V (Region IV) Ducted		7.8 (10)	7(9)	7.4(9.2)	8.1 (10.6)
	HSPF2 Region V (Region IV) Mixed Ducted & Non-Ducted		7.8 (9.9)	7.2 (9.25)	7.4 (9.35)	8.05 (10.45)
Max. fuse (outdoor)		A	20	25	35	45
Power supply		V Ph Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz
Outdoor noise level		dB(A)	60	61	64.5	63
Outdoor unit	Dimension (WxDxH)	mm	890×342×673	946×410×810	946×410×810	952×415×1333
		inch	35×13.5×26.5	37.2×16.1×31.9	37.2×16.1×31.9	37.5×16.3×52.5
	Net weight	kg	45.6	63	76.6	100.7
		lb	100.5	138.9	168.9	22
Refrigerant			R454B	R454B	R454B	R454B
Outdoor Refrigerant charge		oz (kg)	61.7 (1.8)	84.7 (2.4)	120.6 (3.4)	148.2 (4.2)
Refrigerant piping	Liquid side	in (mm)	3@1/4 (6.35)	4@1/4 (6.35)	5@1/4 (6.35)	6@1/4 (6.35)
	Gas side	in (mm)	3@3/8 (9.52)	3@3/8 (9.52), 1@1/2(12.7)	4@3/8 (9.52), 1@1/2(12.7)	4@3/8 (9.52), 2@1/2(12.7)
Outdoor	Outdoor temperature range of operation (cooling)	°C (°F)	-25~50 (-13~122)	-25~50 (-13~122)	-25~50 (-13~122)	-25~50 (-13~122)
	Outdoor temperature range of operation (heating)		-25~24 (-13~75)	-25~24 (-13~75)	-25~24 (-13~75)	-25~24 (-13~75)
ENERGY STAR V6.1			✓	✓	✓	✓
ENERGY STAR V6.1 Cold Climate			✓	✓	✓	✓

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MYRIAD+

Maximum number of connected IDU			3	4	5	6
Outdoor model			MXHZA1832AV1	MXHZA2742AV1	MXHZA3652AV1	MXHZA4862AV1
Cooling	Capacity (range)	Btu/h	19,000 (5,400~28,000)	27,000 (7,200~37,000)	36,000 (9,000~43,000)	47,000 (12,000~57,000)
	EER2 Non-Ducted		15	12.5	13	12
	EER2 Ducted		13	12	12	11.7
	EER2 Mixed Ducted & Non-Ducted		14	12.25	12.5	11.85
	SEER2 Non-Ducted		25	23	23	23
	SEER2 Ducted		20	19	19.4	20.4
	SEER2 Mixed Ducted & Non-Ducted		22.5	21	21.2	21.7
Heating	Capacity (range)	Btu/h	20,000 (5,700~27,000)	27,000 (8,400~36,000)	36,000 (10,000~44,000)	49,000 (13,000~57,000)
	COP at 8.3°C		4	3.8	4	3.7
	HSPF2 Region V (Region IV) Non-Ducted		8.5 (10.4)	8.5 (10.5)	8.5 (10.7)	9 (11)
	HSPF2 Region V (Region IV) Ducted		8 (10)	7.7 (9.5)	8.8 (10.4)	9 (11)
	HSPF2 Region V (Region IV) Mixed Ducted & Non-Ducted		8.25 (10.2)	8.1 (10)	8.65 (10.55)	9 (11)
Max. fuse (outdoor)		A	20	35	40	45
Power supply		V Ph Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz
Outdoor noise level		dB(A)	62	61	65	65
Outdoor unit	Dimension (WxDxH)	mm	946×410×810	946×410×810	980×415×975	952×415×1333
		inch	37.2×16.1×31.9	37.2×16.1×31.9	38.6×16.3×38.4	37.5×16.3×52.5
	Net weight	kg	62.3	76.4	96.1	111.8
		lb	137.4	168.4	211.9	246.5
Refrigerant			R454B	R454B	R454B	R454B
Outdoor Refrigerant charge		oz (kg)	78.3 (2.2)	120.6 (3.4)	134 (3.8)	151.7 (4.3)
Refrigerant piping	Liquid side	in (mm)	3@1/4 (6.35)	4@1/4 (6.35)	5@1/4 (6.35)	6@1/4 (6.35)
	Gas side	in (mm)	3@3/8 (9.52)	3@3/8 (9.52), 1@1/2(12.7)	3@3/8 (9.52), 2@1/2(12.7)	4@3/8 (9.52), 2@1/2(12.7)
Outdoor	Outdoor temperature range of operation (cooling)	°C (°F)	-30~50 (-22~122)	-30~50 (-22~122)	-30~50 (-22~122)	-30~50 (-22~122)
	Outdoor temperature range of operation (heating)		-30~24 (-22~75)	-30~24 (-22~75)	-30~24 (-22~75)	-30~24 (-22~75)
ENERGY STAR V6.1			✓	✓	✓	✓
ENERGY STAR V6.1 Cold Climate			✓	✓	✓	✓

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Wall mounted units Meridian

Indoor model			MWHMA06C2AS1	MWHMA09C2AS1	MWHMA12C2AS1	MWHMA15C2AS1	MWHMA18C2AS1	MWHMA24C2AS1
Power supply		V Ph Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz
Refrigerant piping	Liquid side	in (mm)	1/4 (6.4)	1/4 (6.4)	1/4 (6.4)	1/4 (6.4)	1/4 (6.4)	3/8 (9.5)
	Gas side	in (mm)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	1/2 (12.7)	1/2 (12.7)	5/8 (15.9)
Indoor air flow (Turbo \ Hi \ Mi \ Lo \ Si)		CFM	382.6 \ 323.7 \ 229.6 \ 176.6 \ 147.2	441.4 \ 323.7 \ 229.6 \ 176.6 \ 147.2	441.4 \ 323.7 \ 229.6 \ 176.6 \ 147.2	635.7 \ 500.3 \ 359 \ 294.3 \ -	635.7 \ 500.3 \ 359 \ 294.3 \ -	812.3 \ 618 \ 412 \ 317.8 \ -
Indoor unit	Dimension (WxDxH)	mm	848.4×233.2×300	848.4×233.2×300	848.4×233.2×300	1017.4×248×319	1017.4×248×319	1190×285×371
		in	33.4×9.2×11.8	33.4×9.2×11.8	33.4×9.2×11.8	40.1×9.7×12.6	40.1×9.7×12.6	46.9×11.2×14.6
	Net weight	kg	10.4	10.6	10.4	12.4	12.4	19.8
		lb	22.9	23.4	22.9	27.3	27.3	43.7

Ductable units

Indoor model			GDHRA09C2AS1	GDHRA12C2AS1	GDHRA18C2AS1	GDHRA24C2AS1
Power supply		V Ph Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz
Refrigerant piping	Liquid side	in (mm)	1/4 (6.4)	1/4 (6.4)	1/4 (6.4)	3/8 (9.5)
	Gas side	in (mm)	3/8 (9.5)	3/8 (9.5)	1/2 (12.7)	5/8 (15.9)
Indoor air flow (Turbo \ Hi \ Mi \ Lo \ Si)		CFM	344.3 \ 288.4 \ 230.7 \ 200.7 \ 121.8	419.1 \ 350.2 \ 256 \ 216 \ 135.4	706.3 \ 618 \ 529.7 \ 441.4 \ -	853.5 \ 706.3 \ 618 \ 500.3 \ -
Indoor unit	Dimension (WxDxH)	mm	700×750×245	700×750×245	1000×750×245	1000×750×245
		in	27.6×29.5×9.7	27.6×29.5×9.7	39.4×29.5×9.7	39.4×29.5×9.7
	Net weight	kg	29.1	29.1	36.2	36.5
		lb	64.2	64.2	79.8	80.5

One way cassette

Indoor model			GOHRA12C2AS1	GOHRA18C2AS1
Power supply		V Ph Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz
Refrigerant piping	Liquid side	in (mm)	1/4 (6.4)	1/4 (6.4)
	Gas side	in (mm)	3/8 (9.5)	1/2 (12.7)
Indoor air flow (Turbo \ Hi \ Mi \ Lo \ Si)		CFM	353.2 \ 312 \ 282.5 \ 247.2 \ 176.6	400.2 \ 352 \ 300.2 \ 207.2 \ -
Indoor unit	Dimension (WxDxH)	mm	1278×335×228	1278×335×228
		in	50.3×13.2×8.9	50.3×13.2×8.9
	Net weight	kg	20.5	20.5
		lb	45.2	45.2

Four way cassettes

Indoor model			GKHRA09C2AS1	GKHRA12C2AS1	GKHRA18C2AS1	GQHRA24C2AS1
Power supply		V Ph Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz	208/230V 1Ph 60Hz
Refrigerant piping	Liquid side	in (mm)	1/4 (6.4)	1/4 (6.4)	1/4 (6.4)	3/8 (9.5)
	Gas side	in (mm)	3/8 (9.5)	3/8 (9.5)	1/2 (12.7)	5/8 (15.9)
Indoor air flow (Turbo \ Hi \ Mi \ Lo \ Si)		CFM	353.2 \ 312 \ 264.9 \ 182.5 \ 147.2	417.9 \ 364.9 \ 306.1 \ 194.2 \ 147.2	447.3 \ 388.5 \ 317.8 \ 194.2 \ 147.2	765.2 \ 706.3 \ 635.7 \ 547.4 \ -
Indoor unit	Dimension (WxDxH)	mm	570×570×245	570×570×245	570×570×245	830×830×205
		in	22.4×22.4×9.7	22.4×22.4×9.7	22.4×22.4×9.7	32.7×32.7×8
	Net weight	kg	16	16	16	21.4
		lb	35.3	35.3	35.3	47.2

Console

Indoor model			GFHRA12C2AS1
Power supply		V Ph Hz	208/230V 1Ph 60Hz
Refrigerant piping	Liquid side	in (mm)	1/4 (6.4)
	Gas side	in (mm)	3/8 (9.5)
Indoor air flow (Turbo \ Hi \ Mi \ Lo \ Si)		CFM	441.4 \ 376.7 \ 323.7 \ 188.4 \ 129.5
Indoor unit	Dimension (WxDxH)	mm	794×200×621
		in	31.26×7.87×24.45
	Net weight	kg	14.9/19
		lb	32.85/41.89

Multizone AHU

MMHRA18C2AS1		MMHRA24C2AS1
208/230V 1Ph 60Hz		208/230V 1Ph 60Hz
1/4 (6.4)		3/8 (9.5)
1/2 (12.7)		5/8 (15.9)
618 \ 576.8 \ 529.7 \ 488.5 \ -		824 \ 759.3 \ 694.5 \ 629.8 \ -
534×445×1143		534×445×1143
17.5×21×45		17.5×21×45
47.5		47.5
104.7		104.7

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Versatile comfort for every room

Versatile and functional, **MTRIAD** multizone systems provide customizable comfort in every room of your home. Customizable for all sizes of homes, **MTRIAD** systems allow independent control of up to six indoor zones from a single outdoor unit. Choose ductless and/or ducted, standard or cold climate systems, with six indoor unit styles to suit your needs, style and home layout.

Get cozy with the leader in its category

MTRIAD multizone systems have become a top choice in the market, known for delivering exceptional performance that ensures energy savings while maintaining unparalleled comfort.

What sets **MTRIAD+** apart?

Extreme cold weather is no match for **MTRIAD+**. Moovair's **HEAT+** technology delivers optimal heat at low temperatures with minimal energy consumption. The Series units can achieve up to 100% of their rated capacity at -20°C while maintaining a high COP at temperatures as low as -30°C .

More rooms. More comfort. Smarter efficiency.

With Moovair's latest **MTRIAD** and **MTRIAD+** multi-zone systems, the outdoor unit now includes an **extra connection point**.

What does that mean for you?

- New additional connection port
- Supports one more indoor unit
- Greater flexibility for your home

All without increasing the size of the outdoor unit.

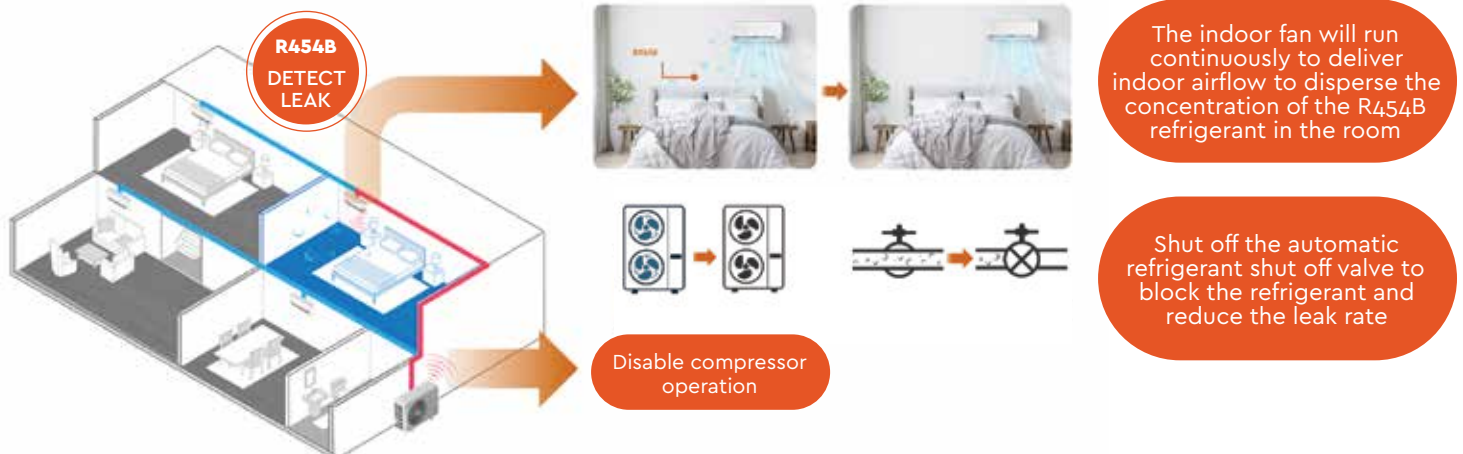
Now
up to
6
indoor
units



Built-in refrigerant leak protection for user & system safety

Your heat pump is designed to protect itself — and your investment.

Advanced refrigerant leak detection continuously monitors the system for refrigerant loss. If an issue is detected, an additional internal shut-off valve helps isolate the system to limit further loss and protect critical components like the compressor.



We've got your back with an exceptional warranty.



All **MYRIAD** multizone systems are built to last and covered by one of the best warranties in the industry with a 10-year limited warranty on parts and compressor. 5 or 10-year labour warranty plans available with separate third-party purchase, contact your dealer for details.

Reliability isn't claimed. It's earned.

Best Pick 2025 – Protégez-Vous Consumer Reliability Survey

Backed by over 70 years of HVAC experience, Moovair® was developed with the harsh Canadian climate in mind. We created reliable, energy-efficient products that take care of the environment as well as your comfort and peace of mind because your home is at the heart of your well-being. That is the Moovair® Effect.

With over 190k systems installed in Canada to date, Moovair has demonstrated proven performance and a track record of reliability in a growing heat pump market.

Moovair® dealers are supported by The Master Group, Canada's largest independently Canadian owned HVAC-R distributor. The Master Group has always distinguished itself for its extensive inventory, technical expertise and exceptional customer service.



Mooving Forward, Together.

 Authorized Canadian Independent Dealer 

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