MOOVAIR®

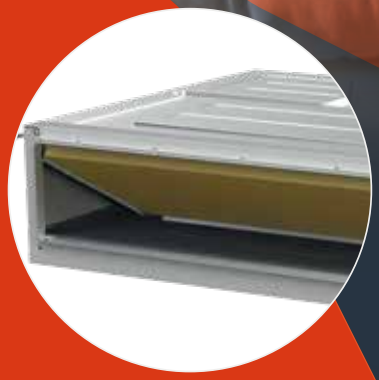
THE EXCLUSIVE
HEATING & COOLING
PARTNER OF THE

Canadian Hockey League

MIX-MOOV

Ducted, one & four-way cassette and floor console heat pumps









Best Pick
2025
ProtégezVous.
MOOVAIR

UP TO
24.6
SEER2

UP TO
10.8
HSPF2-5

INVERTER

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

R454B

HEAT+



Technical specifications

1 way cassette

Indoor Unit				GOHRA12C2AS*	GOHRA18C2AS*	GOHRA12C2AS*	GOHRA18C2AS*	GKHRA09C2AS*	GKHRA12C2
Outdoor Unit				MSHEA12C2AN*	MSHEA18C2AN*	MSHMA12C2AN*	MSHMA18C2AN*	MSHEA09C2AN*	MSHEA12C2
Nominal Capacity			Btu/h	12000	18000	12000	18000	9000	12000
Cooling	Rated @ 95°F (35°C)		Btu/h	12000	18000	12000	16700	9000	12000
	Min. @ 95°F (35°C)			3900	4000	4000	5700	3700	3700
	Max. @ 95°F (35°C)			13800	18800	13900	19000	12000	14100
	SEER2			22.1	22.2	23	20.6	21.6	21.1
	EER2			12.3	12.5	13	12.5	14.3	12.5
Heating	Rated @ 47°F (8.3°C)		Btu/h	12000	18000	12500	20000	10000	12000
	Min. @ 47°F (8.3°C)			4700	7600	4600	8900	4700	4700
	Max. @ 47°F (8.3°C)			15300	22800	15200	22200	13700	15000
	Rated COP @ 47°F (8.3°C)			3.4	3.3	3.56	3.01	4	3.55
	HSPF2 (IV)			10	12.2	10	12.2	11.3	10.4
	HSPF2 (V)			7.8	8.6	8	9.2	8.8	7.9
Outdoor Temperature Operating Range	Cooling		°C	-25~50	-25~50	-30~50	-30~50	-25~50	-25~50
			°F	-13~122	-13~122	-22~122	-22~122	-13~122	-13~122
	Heating		°C	-25~24	-25~24	-30~24	-30~24	-25~24	-25~24
			°F	-13~75	-13~75	-22~75	-22~75	-13~75	-13~75
Power Supply			V/Ph/Hz	208–230/1/60	208–230/1/60	208–230/1/60	208–230/1/60	208–230/1/60	208–230/1/
MOCP (Maximum breaker)			A	15	20	15	20	15	15
MCA			A	12	18	15	19	12	12
Indoor Unit Dimensions	Net (WxDxH)		in.	50.31×13.19×8.98	50.31×13.19×8.98	50.31×13.19×8.98	50.31×13.19×8.98	22.44×22.44×9.65	22.44×22.44×
			mm	1278×335×228	1278×335×228	1278×335×228	1278×335×228	570×570×245	570×570×2
Indoor Unit Weight	Net		lb	45.19	45.19	45.19	45.19	35.27	35.27
			kg	20.5	20.5	20.5	20.5	16	16
Outdoor Unit Dimensions	Net (WxDxH)		in.	30.12×11.93×21.85	35.04×13.46×26.5	31.69×12.99×21.81	35.04×13.46×26.5	30.12×11.93×21.85	30.12×11.93×2
			mm	765×303×555	890×342×673	805×330×554	890×342×673	765×303×555	765×303×5
Outdoor Unit Weight	Net		lb	62.17	92.59	72.75	99.87	62.17	62.17
			kg	28.2	42	33	45.3	28.2	28.2
Indoor Unit Fan	Airflow (Turbo | High | Med. | Low | Silent)		CFM	353 | 312 | 283 | 247 | 177	400 | 352 | 300 | 207 | –	353 | 312 | 283 | 247 | 177	400 | 352 | 300 | 207 | –	353 | 312 | 265 | 183 | 147	418 | 365 | 306 | 147
	Noise (Turbo | High | Med. | Low | Silent)		dB(A)	- | 43 | 37.5 | 26 | 22	- | 44 | 41 | 29.5 | –	- | 41 | 37 | 33 | 24	- | 44 | 41.5 | 31 | –	42.5 | 40 | 37 | 26 | 24	46 | 42 | 38.5 | 24
	Moisture Removal		l/h	1.54	2.08	1.69	2.05	0.74	1.1
Outdoor Unit Fan	Max. Airflow		CFM	1236	1766	1472	1766	1236	1236
Outdoor Unit Noise	Max.		dB(A)	54.5	57.5	56	59	54.5	54.5
Refrigerant Pre-Charge			oz	32.45	47.97	35.27	55.38	32.45	32.45
Pre-Charge Length			ft	24.6	24.6	24.6	24.6	24.6	24.6
Line Set	Liquid Line		in.	1/4	1/4	1/4	1/4	1/4	1/4
	Gas Line		in.	3/8	1/2	3/8	1/2	3/8	3/8
	Maximum Length		ft	82	98.4	82	98.4	82	82
	Maximum Height Difference		ft	49.2	65.6	49.2	65.6	49.2	49.2
Refrigerant				R454B	R454B	R454B	R454B	R454B	R454B
ENERGY STAR				✓ 6.1	✓ 6.1	✓ 6.1	✓ 6.1	✓ 6.1	✓ 6.1
ENERGY STAR Cold Climate				✓ 6.1	✓ 6.1	✓ 6.1	✓ 6.1	✓ 6.1	✓ 6.1

Asterisk (*) in model number is placeholder for version suffix (1, 2, etc.). Do not include asterisk (*) in model inventory query.
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Performance at standard test conditions. Values shown are approximate and may have been rounded for ease of reference.
Refer to product submittals for complete specifications. Specifications subject to change without notice.
The ENERGY STAR name and the ENERGY STAR symbol are trademarks registered in Canada.



	4 way cassette						Console	
AS*	GKHRA18C2AS*	GQHRA24C2AS*	GKHRA09C2AS*	GKHRA12C2AS*	GKHRA18C2AS*	GQHRA24C2AS*	GFHRA12C2AS*	GFHRA12C2AS*
AN*	MSHEA18C2AN*	MSHEA24C2AN*	MSHMA09C2AN*	MSHMA12C2AN*	MSHMA18C2AN*	MSHMA24C2AN*	MSHEA12C2AN*	MSHMA12C2AN*
	18000	24000	9000	12000	18000	24000	12000	12000
	16800	24000	9000	12000	16000	23400	12000	12000
	5300	12300	3700	3800	7000	12800	4000	3700
	17800	26800	13600	15100	18500	26200	13100	14000
	20.7	22	22.6	22.2	20	20.7	24.6	25
	12.5	12	14	12.5	12.5	12	12.7	12.5
	18000	25000	10000	12000	19000	25000	12000	12000
	7100	11600	5100	5300	8700	11500	5100	4400
	21500	33100	15700	16300	20000	30700	12900	16100
	3.36	3.2	4	3.7	3.18	3.54	3.9	3.86
	11.4	10.5	12.1	11.6	12.3	11.6	11	10.5
	8.5	8.1	9.3	8.9	9.5	9.2	8.2	8.3
	-25~50	-25~50	-30~50	-30~50	-30~50	-30~50	-25~50	-30~50
	-13~122	-13~122	-22~122	-22~122	-22~122	-22~122	-13~122	-22~122
	-25~24	-25~24	-30~24	-30~24	-30~24	-30~24	-25~24	-30~24
	-13~75	-13~75	-22~75	-22~75	-22~75	-22~75	-13~75	-22~75
/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
	20	25	15	15	20	25	15	15
	18	24	15	15	19	24.9	12	15
×9.65	22.44×22.44×9.65	32.68×32.68×8.07	22.44×22.44×9.65	22.44×22.44×9.65	22.44×22.44×9.65	32.68×32.68×8.07	31.26×7.87×24.45	31.26×7.87×24.45
45	570×570×245	830×830×205	570×570×245	570×570×245	570×570×245	830×830×205	794×200×621	794×200×621
	35.27	47.18	35.27	35.27	35.27	47.18	32.85	32.85
	16	21.4	16	16	16	21.4	14.9	14.9
21.85	35.04×13.46×26.5	37.24×16.14×31.89	31.69×12.99×21.81	31.69×12.99×21.81	35.04×13.46×26.5	37.24×16.14×31.89	30.12×11.93×21.85	31.69×12.99×21.81
55	890×342×673	946×410×810	805×330×554	805×330×554	890×342×673	946×410×810	765×303×555	805×330×554
	92.59	122.13	72.75	72.75	99.87	130.29	62.17	72.75
	42	55.4	33	33	45.3	59.1	28.2	33
6 | 194	447 | 389 | 318 | 194 | 147	765 | 706 | 636 | 547 | –	353 | 312 | 265 | 183 | 147	418 | 365 | 306 | 194 | 147	447 | 389 | 318 | 194 | 147	765 | 706 | 636 | 547 | –	441 | 377 | 324 | 188 | 130	441 | 377 | 324 | 188 | 130
| 26.5	48 | 44 | 41 | 28.5 | 24.5	48 | 45.5 | 43 | 33.5 | –	42.5 | 40 | 37.5 | 26 | 24	46 | 43.5 | 40.5 | 27.5 | 26	48 | 44.5 | 41 | 27.5 | 23.5	48.5 | 45 | 42.5 | 33.5 | –	42 | 39 | 34.5 | 29.5 | 23.5	44 | 40.5 | 37 | 26.5 | 24
	2.05	2.56	0.88	1.45	2	2.36	1.28	1.48
	1766	2237	1472	1472	1766	2237	1236	1472
	57.5	59.5	55	57	57.5	61.5	54.5	55.5
	47.97	70.54	35.27	35.27	55.38	63.49	32.45	35.27
	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
	1/4	3/8	1/4	1/4	1/4	3/8	1/4	1/4
	1/2	5/8	3/8	3/8	1/2	5/8	3/8	3/8
	98.4	164	82	82	98.4	164	82	82
	65.6	82	49.2	49.2	65.6	82	49.2	49.2
	R454B	R454B	R454B	R454B	R454B	R454B	R454B	R454B
	✓ 6.1	✓ 6.1	✓ 6.1	✓ 6.1	✓ 6.1	✓ 6.1	✓ 6.1	✓ 6.1
	✓ 6.1	✓ 6.1	✓ 6.1	✓ 6.1	✓ 6.1	✓ 6.1	✓ 6.1	✓ 6.1

ENERGY STAR COLD CLIMATE HEAT+ R454B



Technical specifications

Slim duct

Indoor Unit				GDHRA09C2AS*	GDHRA12C2AS*	GDHRA18C2AS*	GDHRA24C2AS*	GDHRA09C2AS*	GDHRA12C2AS*	GDHRA18C2AS*	GDHRA24C2AS*
Outdoor Unit				MSHEA09C2AN*	MSHEA12C2AN*	MSHEA18C2AN*	MSHEA24C2AN*	MSHMA09C2AN*	MSHMA12C2AN*	MSHMA18C2AN*	MSHMA24C2AN*
Nominal Capacity			Btu/h	9000	12000	18000	24000	9000	12000	18000	24000
Cooling	Rated @ 95°F (35°C)		Btu/h	9000	12000	17500	24000	9000	12000	17500	24000
	Min. @ 95°F (35°C)			2000	2200	4500	5600	3000	3000	4000	5000
	Max. @ 95°F (35°C)			11200	12200	20200	28300	13100	13300	20600	28000
	SEER2			19.7	19.5	20	19	20.5	20	18.4	19
	EER2			13	12	13.3	12.5	14	12	12	12
Heating	Rated @ 47°F (8.3°C)		Btu/h	10000	12000	20000	25000	9900	12000	19500	26000
	Min. @ 47°F (8.3°C)			3600	3700	5200	6500	3900	3900	5400	7300
	Max. @ 47°F (8.3°C)			14500	15700	23000	35100	16500	16500	23000	31400
	Rated COP @ 47°F (8.3°C)			4	3.78	3.9	3.64	3.88	3.63	3.6	3.81
	HSPF2 (IV)			11.5	10.5	11.3	11	13.8	10.6	11.1	11.7
	HSPF2 (V)			9	8	8.8	8.5	10.8	8.5	9	9.3
Outdoor Temperature Operating Range	Cooling		°C	-25~50	-25~50	-25~50	-25~50	-30~50	-30~50	-30~50	-30~50
			°F	-13~122	-13~122	-13~122	-13~122	-22~122	-22~122	-22~122	-22~122
	Heating		°C	-25~24	-25~24	-25~24	-25~24	-30~24	-30~24	-30~24	-30~24
			°F	-13~75	-13~75	-13~75	-13~75	-22~75	-22~75	-22~75	-22~75
Power Supply			V/Ph/Hz	208–230/1/60	208–230/1/60	208–230/1/60	208–230/1/60	208–230/1/60	208–230/1/60	208–230/1/60	208–230/1/60
MOCP (Maximum breaker)			A	15	15	20	25	15	15	20	25
MCA			A	12	12	18	24	15	15	19	24.9
Indoor Unit Dimensions	Net (WxDxH)		in.	27.56×29.53×9.65	27.56×29.53×9.65	39.37×29.53×9.65	39.37×29.53×9.65	27.56×29.53×9.65	27.56×29.53×9.65	39.37×29.53×9.65	39.37×29.53×9.65
			mm	700×750×245	700×750×245	1000×750×245	1000×750×245	700×750×245	700×750×245	1000×750×245	1000×750×245
Indoor Unit Weight	Net		lb	64.15	64.15	79.81	80.47	64.15	64.15	79.81	80.47
			kg	29.1	29.1	36.2	36.5	29.1	29.1	36.2	36.5
Outdoor Unit Dimensions	Net (WxDxH)		in.	30.12×11.93×21.85	30.12×11.93×21.85	35.04×13.46×26.5	37.24×16.14×31.89	31.69×12.99×21.81	31.69×12.99×21.81	35.04×13.46×26.5	37.24×16.14×31.89
			mm	765×303×555	765×303×555	890×342×673	946×410×810	805×330×554	805×330×554	890×342×673	946×410×810
Outdoor Unit Weight	Net		lb	62.17	62.17	92.59	122.13	72.75	72.75	99.87	130.29
			kg	28.2	28.2	42	55.4	33	33	45.3	59.1
Indoor Unit Fan	Airflow (Turbo | High | Med. | Low | Silent)		CFM	344 | 288 | 231 | 201 | 122	419 | 350 | 256 | 216 | 135	706 | 618 | 530 | 441 | –	854 | 706 | 618 | 500 | –	344 | 288 | 231 | 201 | 122	419 | 350 | 256 | 216 | 135	706 | 618 | 530 | 441 | 177	854 | 706 | 618 | 500 | 235
	Noise (Turbo | High | Med. | Low | Silent)		dB(A)	- | 30.5 | 29.5 | 28.5 | 28	- | 33.5 | 32.5 | 31 | 29	40 | 37 | 35 | 33 | –	43 | 40 | 38 | 35.5 | –	- | 29.5 | 28.5 | 27.5 | 26	- | 32.5 | 30.5 | 28.5 | 26	40 | 36 | 34 | 32 | 28	44 | 40 | 37 | 35 | 29.5
	Moisture Removal		l/h	0.61	1.3	1.71	2.14	0.69	1.39	1.39	2.03
	External Static Pressure Range		in. wc	0–0.8	0–0.8	0–0.8	0–0.8	0–0.8	0–0.8	0–0.8	0–0.8
Outdoor Unit Fan	Max. Airflow		CFM	1236	1236	1766	2237	1472	1472	1766	2237
Outdoor Unit Noise	Max.		dB(A)	53	55.5	58	60	54	54	57.5	61
Refrigerant Pre-Charge			oz	32.45	32.45	47.97	70.54	35.27	35.27	55.38	63.49
Pre-Charge Length			ft	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
Line Set	Liquid Line		in.	1/4	1/4	1/4	3/8	1/4	1/4	1/4	3/8
	Gas Line		in.	3/8	3/8	1/2	5/8	3/8	3/8	1/2	5/8
	Maximum Length		ft	82	82	98.4	164	82	82	98.4	164
	Maximum Height Difference		ft	49.2	49.2	65.6	82	49.2	49.2	65.6	82
Refrigerant				R454B	R454B	R454B	R454B	R454B	R454B	R454B	R454B
ENERGY STAR				✓ 6.1	✓ 6.1	✓ 6.1	✓ 6.1	✓ 6.1	✓ 6.1	✓ 6.1	✓ 6.1
ENERGY STAR Cold Climate				✓ 6.1	✓ 6.1	✓ 6.1	✓ 6.1	✓ 6.1	✓ 6.1	✓ 6.1	✓ 6.1

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ENERGY STAR | ENERGY STAR COLD CLIMATE | HEAT+ | R454B

Versatile comfort for every room

Every home is unique, so a one-size-fits-all approach to heating and cooling is not always possible. Moovair®'s Mix-Moov provides versatility to adapt to the exclusive needs of your home, while never compromising on performance and style. With a choice of units to suit any needs, Mix-Moov is powerful, efficient, and complements your personal esthetic. So, your one-of-a-kind home delivers perfect comfort, all year round.

Ducted: The compact ducted unit installation flexibility of horizontal or vertical orientation means this unit can be adapted to a multitude of different installation locations. The concealed ducted unit is the ideal way to achieve an exceptionally clean and discrete finish.

One & four-way cassette: Designed to fit in a suspended ceiling or between ceiling joists, these units are ideal for more confined spaces such as corridors or split levels because it is equipped with four-way directional shutters ensuring maximum air dispersion to achieve a balanced temperature throughout the area.

Floor console: For every home design, there's a unique heating and cooling solution. The design of the unit is like that of a wall convector. With limited wall space and easy accessibility for maintenance and cleaning, a floor console is an ideal choice. This unit can discharge air from the bottom or top for better air convection during heating and cooling.



Built-In Refrigerant Leak Detection

Our new heat pumps feature a built-in refrigerant safety sensor for added peace of mind. It continuously monitors for leaks and, if detected, instantly shuts down the compressor, keeps air safely circulating, and sends a service alert. This protection lets you enjoy the comfort and efficiency of next-generation refrigerants like R-454B, backed by 24/7 safety technology.

We've got your back with an exceptional warranty

All Mix-Moov 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.



Get cozy with the leader in its category

With the Mix-Moov series, you enjoy a superior heating performance from one of the most efficient units in its category.

Optional accessories







	Wired Control KJRLAACN1 On-Off, NO-programmable	Wired Control KJRSAALW1 On-Off, Programmable	Wi-Fi
Ducted	Optional	Comes standard	N/A
One & four-way cassette	Optional	Comes standard	Optional
Console	Optional	Optional	Optional

Reliability isn't claimed. It's earned. Best Pick 2025 – Protégez-Vous Consumer Reliability Survey

Best Pick 2025
ProtégezVous.
MOOVAIR



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 250k systems installed in Canada to date, Moovair has demonstrated proven performance and a track record of reliability in a growing heat pump market.

THE EXCLUSIVE HEATING & COOLING PARTNER OF THE CHL Canadian Hockey League

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.

MOOVAIR®

Mooving Forward, Together.

Master HVAC-R

Canadian Independent Dealer

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