

DISCOVER
easyCOMFORT

RESIDENTIAL (UNITARY) PRODUCTS CATALOG



Midea Building Technologies Division

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Note: Product specifications change from time to time as product improvements and developments are released and may vary from those in this document

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About Midea

Since its founding in 1968, Midea Group has grown to become one of the world's premier manufacturers of technology solutions, with more than 190,000 employees across the globe. We currently rank 278th on the Fortune Global 500 list, with 2023 global revenue totaling US\$52.96 billion, and 198th on the Brand Finance published list of the Most Valuable Brands for 2023. We also rank 36th in their Tech 100 ranking. With a solid financial footing, Midea enjoys a grade A credit rating as determined by the world's three largest rating agencies.

Midea Building Technologies (MBT) is a key division of the Midea Group, a leading provider of comprehensive, intelligent-building solutions including energy sources, elevators, control systems and heating, ventilation and air conditioning. Our long list of innovative technologies springs from our unwavering commitment to improving the everyday lives of our customers.

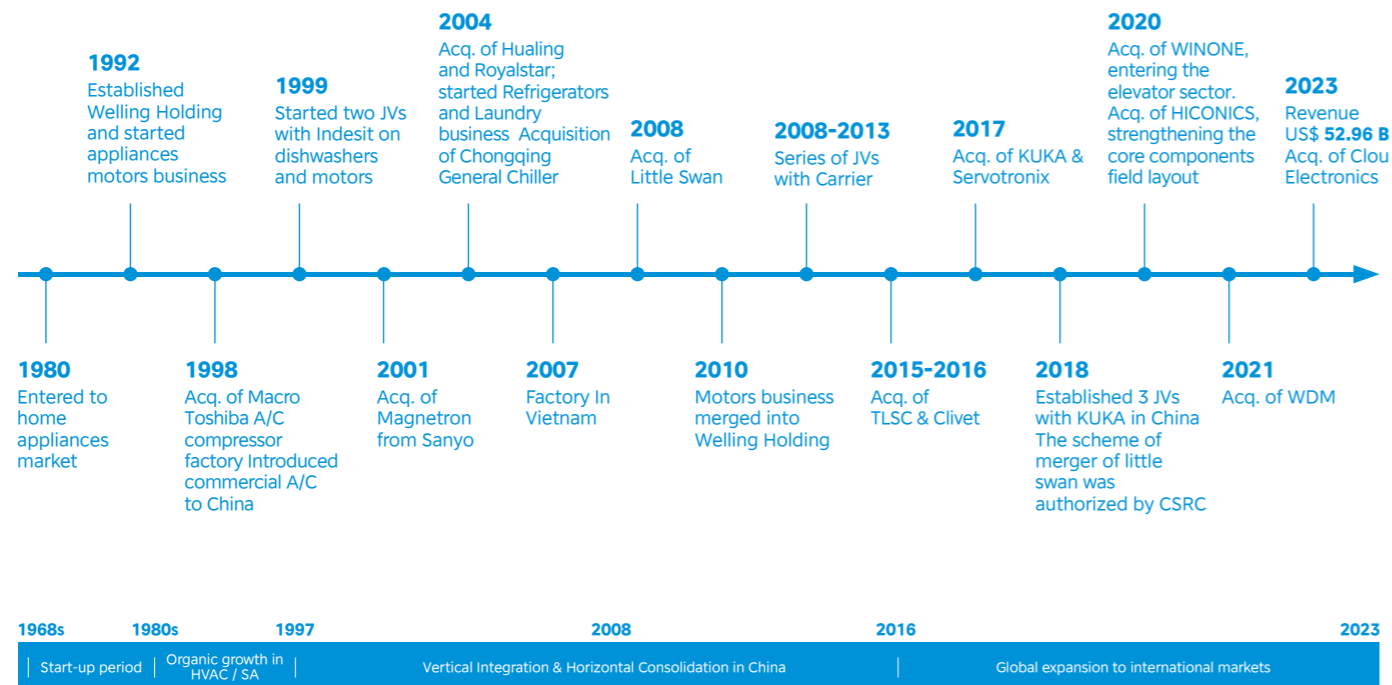
Corporate Snapshot

Worldwide outstanding business summary

	#277 2024 Fortune Global 500	Total Revenue US\$ 52.96 B 2023
Forbes	#199 2023 Forbes Global 2000	Net Profit US\$ 4.78 B 2023
Brand Finance®	#198 Brand Finance 2023 Top 500 Most Valuable Brands	Number of Employees 190K 2023
Brand Finance®	#36 Brand Finance 2023 Top 100 Most Valuable Tech Brands	Credit Ratings A/A2/A S&P/Moody's/Fitch

Milestones

Successful transition into a multi-category, multi-industry and global operation group



Quality Control

MBT deliver world-class product quality



The largest test center in HVAC industry, covering an area of **52,000** square meters



The most complete testing equipment, with a cumulative investment of more than **US\$70** million, with **100** laboratories of various types



Professional team with **350** test engineers, leading in the industry



Obtain accreditation from CNAS, UL, TUV, Intertek, and achieved mutual recognition by more than **89** national laboratory accreditation worldwide through CNAS accreditation and ILAC-MRA

Production line for NA Unitary Products



Strategic Focuses-Global Impact

Building “2+4+N” globalized R&D networks to exert Midea R&D scale advantage.

The “2+4+N” layout of global R&D network

- 📍 R&D center
- 📍 “2+4” global R&D centers



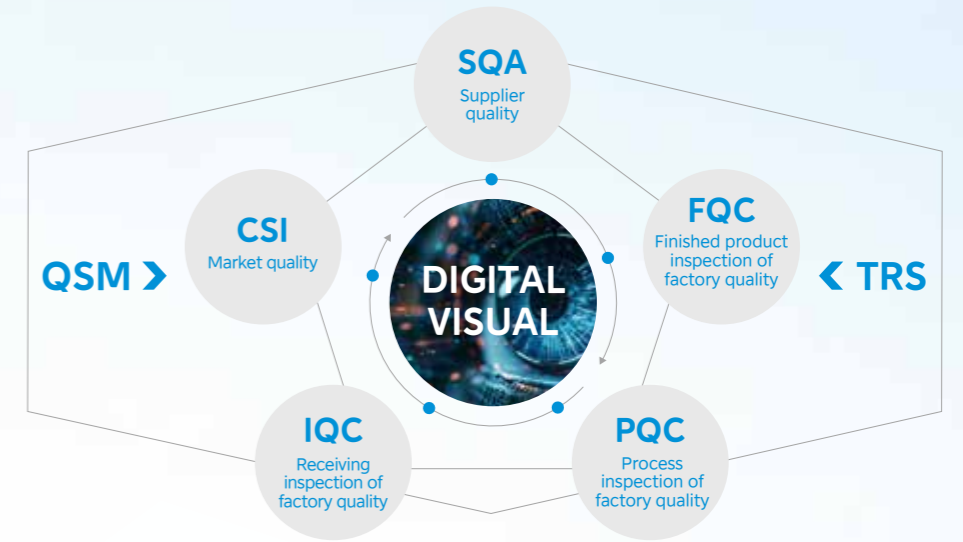
31 R&D Centers

China	USA	Germany	Italy	Japan	Israel		Hungary	Switzerland	Korea	Singapore	Total
15	3	3	3	2	1		1	1	1	1	31

MBT

Midea Building Technologies (MBT) is a key division of the Midea Group, a leading provider of comprehensive, intelligent-building solutions including energy sources, elevators, control systems and heating, ventilation and air conditioning. Built on a foundation of innovation, Midea has emerged as a global leader in the HVAC and building management industry. Our unwavering dedication to research and development coupled with an extensive network of global partners has given birth to cutting-edge technologies that provide innovative solutions to our customers around the world.

All products can be visualized and digitalized throughout entire process.



Committed to providing users with intelligent, digital, low carbon overall building solution

Midea Building Tech.

HVAC	Elevator
Building Intelligence	Energy Management

Over 100 testing labs cover a wide range of real application scenarios.



4 global manufacturing locations assure timely delivery with less sensitivity to supply chain interruption.



OUTDOOR UNITS

M134A Series | Air Conditioner

Cooling capacity: 18-60 kBTU/h
Up to 14.3 SEER2



Standard Features:

- Eco-friendly R454B refrigerant with low GWP value.
- Energy-efficient compressor.
- Equipped with thermal overload protection.
- High-efficiency aluminum microchannel condenser.
- Service valves with sweat connections and easy-access gauge ports.
- Factory-installed high-pressure switch.
- AHRI certified and ETL listed.
- Filter drier included as accessory.

Cabinet Features:

- Compact design allows for ease of installation, clearance, durability, and maneuverability.
- Powder-painted galvanized steel cabinet chassis.
- Protective steel louvered coil guard.
- Steel wire axial fan guard
- ECM fan motor and unique blade style allowing for smooth discharge air and quieter operation.



Capacity (Tons)	Model	Voltage-Phase-Hz	Unit Dimensions & Weight			
			Height (in.) [mm]	Width (in.) [mm]	Length (in.) [mm]	Net Weight (lbs) [kg]
1.5	MOVA-18CN10-M134G	208~230V-1Ph-60Hz	23-5/8 [600]	24-15/16 [633]	23-5/8 [600]	102 [48]
2	MOVA-24CN10-M134G	208~230V-1Ph-60Hz	28 [710]	24-15/16 [633]	28 [710]	124 [56]
2.5	MOVA-30CN10-M134G	208~230V-1Ph-60Hz	28 [710]	24-15/16 [633]	28 [710]	124 [56]
3	MOVA-36CN10-M134L	208~230V-1Ph-60Hz	29-1/8 [740]	24-15/16 [633]	29-1/8 [740]	143 [65]
3.5	MOVA-42CN10-M134L	208~230V-1Ph-60Hz	28 [710]	33-3/16 [843]	28 [710]	176 [80]
4	MOVA-48CN10-M134L	208~230V-1Ph-60Hz	28 [710]	29-7/8 [759]	28 [710]	165 [75]
5	MOVA-60CN10-M134L	208~230V-1Ph-60Hz	29-1/8 [740]	33-3/16 [843]	29-1/8 [740]	185 [84]

CAPACITY (TONS)	1.5	2	2.5	3	3.5	4	5
MODEL	MOVA-18CN10-M134G	MOVA-24CN10-M134G	MOVA-30CN10-M134G	MOVA-36CN10-M134L	MOVA-42CN10-M134L	MOVA-48CN10-M134L	MOVA-60CN10-M134L
RATED CAPACITY							
Cooling (BTU/h)	17,600	23,600	27,600	33,600	41,000	45,000	54,000
ELECTRICAL DATA							
Voltage / Phase (60 Hz)	208~230V/1Ph	208~230V/1Ph	208~230V/1Ph	208~230V/1Ph	208~230V/1Ph	208~230V/1Ph	208~230V/1Ph
Min. / Max. Voltage (V)	187/253	187/253	187/253	187/253	187/253	187/253	187/253
Min. Circuit Amps (MCA) (A)	12.2	15.5	17.6	21.9	24.9	29.1	36.9
Max. Overcurrent Protection (MOP) (A)	15	20	25	30	40	45	60
COMPRESSOR							
Type	Rotary	Rotary	Rotary	Scroll	Scroll	Scroll	Scroll
Stage	Single	Single	Single	Single	Single	Single	Single
Rated Load Amps (RLA) (A)	9.0	11.3	12.7	16.1	18.5	21.6	27.7
Locked Rotor Amps (LRA) (A)	39	55	58	86	96	95	125
Crankcase Heater	No	No	No	No	No	No	No
CONDENSER COIL							
Type	Micro-channel	Micro-channel	Micro-channel	Micro-channel	Micro-channel	Micro-channel	Micro-channel
FAN MOTOR							
Motor Type	ECM	ECM	ECM	ECM	ECM	ECM	ECM
Capacitor(uF)	/	/	/	/	/	/	/
Horsepower (HP)	1/6	1/6	1/3	1/3	1/3	1/3	1/3
Full Load Amps (FLA) (A)	0.9	1.3	1.7	1.7	1.7	2.1	2.2
REFRIGERATION SYSTEM							
Liquid Valve Size (O.D.) (in.)	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Suction Valve Size (O.D.) (in.)	3/4	3/4	3/4	3/4	7/8	7/8	7/8
Liquid Line Size (O.D.) (in.)	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Suction Line Size (O.D.) (in.)	3/4	3/4	3/4	3/4	7/8	7/8	1-1/8
Refrigerant Charge (lbs. - oz.)	3 lbs. 4 OZ.	3 lbs. 11 OZ.	4 lbs. 0 OZ.	3 lbs. 6 OZ.	4 lbs. 15 OZ.	5 lbs. 12 OZ.	6 lbs. 8 OZ.
SOUND POWER (dB(A))	73	75	75	77	78	78	80
OPERATION RANGE							
Cooling (°C)	12.7~48.9	12.7~48.9	12.7~48.9	12.7~48.9	12.7~48.9	12.7~48.9	12.7~48.9
Cooling (°F)	55~120	55~120	55~120	55~120	55~120	55~120	55~120
LOADING QTY/40HQ (WITH/WITHOUT PALLET)	162/216	135/180	135/180	135/180	117/135	129/135	117/135

M152A Series | Air Conditioner

Cooling capacity: 18-60 kBTU/h
Up to 15.2 SEER2



Standard Features:

- Eco-friendly R454B refrigerant with low GWP value.
- Energy-efficient compressor.
- Equipped with thermal overload protection.
- High quality condenser with inner-groove copper tube and aluminum fin.
- Service valves with sweat connections and easy-access gauge ports.
- Factory-installed high-pressure switch.
- AHRI certified and ETL listed.
- Filter drier included as accessory.

Cabinet Features:

- Compact design allows for ease of installation, clearance, durability, and maneuverability.
- Powder-painted galvanized steel cabinet chassis.
- Protective steel louvered coil guard.
- Steel wire axial fan guard.
- ECM fan motor and unique blade style allowing for smooth discharge air and quieter operation.

Capacity (Tons)	Model	Voltage-Phase-Hz	Unit Dimensions & Weight			
			Height (in.) [mm]	Width (in.) [mm]	Length (in.) [mm]	Net Weight (lbs) [kg]
1.5	MOVA-18CN10-M152G	208~230V-1Ph-60Hz	23-5/8 [600]	24-15/16 [633]	23-5/8 [600]	117 [53]
2	MOVA-24CN10-M152G	208~230V-1Ph-60Hz	28 [710]	24-15/16 [633]	28 [710]	132 [60]
2.5	MOVA-30CN10-M152G	208~230V-1Ph-60Hz	28 [710]	33-3/16 [843]	28 [710]	161 [73]
3	MOVA-36CN10-M152L	208~230V-1Ph-60Hz	29-1/8 [740]	24-15/16 [633]	29-1/8 [740]	154 [70]
3.5	MOVA-42CN10-M152L	208~230V-1Ph-60Hz	29-1/8 [740]	33-3/16 [843]	29-1/8 [740]	174 [79]
4	MOVA-48CN10-M152L	208~230V-1Ph-60Hz	28 [710]	33-3/16 [843]	28 [710]	187 [85]
5	MOVA-60CN10-M152L	208~230V-1Ph-60Hz	29-1/8 [740]	33-3/16 [843]	29-1/8 [740]	212 [96]
5	MOVA-61CN10-M152L	208~230V-1Ph-60Hz	29-1/8 [740]	33-3/16 [843]	29-1/8 [740]	212 [96]

CAPACITY (TONS)	1.5	2	2.5	3	3.5	4	5	5
MODEL	MOVA-18CN10-M152G	MOVA-24CN10-M152G	MOVA-30CN10-M152G	MOVA-36CN10-M152L	MOVA-42CN10-M152L	MOVA-48CN10-M152L	MOVA-60CN10-M152L	MOVA-61CN10-M152L
RATED CAPACITY								
Cooling (BTU/h)	17,800	23,800	28,000	33,600	41,000	45,000	54,000	55,000
ELECTRICAL DATA								
Voltage / Phase (60 Hz)	208~230V/1Ph	208~230V/1Ph	208~230V/1Ph	208~230V/1Ph	208~230V/1Ph	208~230V/1Ph	208~230V/1Ph	208~230V/1Ph
Min. / Max. Voltage (V)	187/253	187/253	187/253	187/253	187/253	187/253	187/253	187/253
Min. Circuit Amps (MCA) (A)	11.4	15.3	16.4	21.9	24.5	28.3	36.8	39.6
Max. Overcurrent Protection (MOP) (A)	15	20	25	30	40	45	60	60
COMPRESSOR								
Type	Rotary	Rotary	Rotary	Scroll	Scroll	Scroll	Scroll	Scroll
Stage	Single	Single	Single	Single	Single	Single	Single	Two-stage
Rated Load Amps (RLA) (A)	8.4	11.2	12.1	16.3	18.2	21.0	27.8	30.2
Locked Rotor Amps (LRA) (A)	39	55	58	86	96	95	125	123
Crankcase Heater	No	No	No	No	No	No	No	No
CONDENSER COIL								
Type	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin
Tube Size (O.D.) (in.)	3/16	3/16	3/16	3/16	3/16	3/16	3/16	9/32
FAN MOTOR								
Motor Type	ECM	ECM	ECM	ECM	ECM	ECM	ECM	ECM
Capacitor(µF)	/	/	/	/	/	/	/	/
Horsepower (HP)	1/6	1/6	1/6	1/3	1/3	1/3	1/3	1/3
Full Load Amps (FLA) (A)	0.9	1.3	1.2	1.5	1.7	2.0	2.0	1.8
REFRIGERATION SYSTEM								
Liquid Valve Size (O.D.) (in.)	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Suction Valve Size (O.D.) (in.)	3/4	3/4	3/4	3/4	7/8	7/8	7/8	7/8
Liquid Line Size (O.D.) (in.)	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Suction Line Size (O.D.) (in.)	3/4	3/4	3/4	3/4	7/8	7/8	1-1/8	1-1/8
Refrigerant Charge (lbs. - oz.)	4 lbs. 6 OZ.	4 lbs. 14 OZ.	6 lbs. 6 OZ.	5 lbs. 1 OZ.	5 lbs. 12 OZ.	6 lbs. 4 OZ.	6 lbs. 0 OZ.	9 lbs. 14 OZ.
SOUND POWER (dB(A))	73	75	75	77	78	78	80	80
OPERATION RANGE								
Cooling (°C)	12.7~48.9	12.7~48.9	12.7~48.9	12.7~48.9	12.7~48.9	12.7~48.9	12.7~48.9	12.7~48.9
Cooling (°F)	55~120	55~120	55~120	55~120	55~120	55~120	55~120	55~120
LOADING QTY/40HQ (WITH/WITHOUT PALLET)	162/216	135/180	117/135	135/180	117/135	117/135	117/135	117/135

M152H Series | Heat Pump

Cooling capacity: 18-60 kBTU/h
Up to 15.2 SEER2 (Up to 7.8 HSPF)



Standard Features:

- Eco-friendly R454B refrigerant with low GWP value.
- Energy-efficient compressor.
- Equipped with thermal overload protection.
- High quality condenser with inner-groove copper tube and aluminum fin.
- Service valves with sweat connections and easy-access gauge ports.
- Factory-installed high-pressure switch.
- AHRI certified and ETL listed.
- Filter drier included as accessory.

Cabinet Features:

- Compact design allows for ease of installation, clearance, durability, and maneuverability.
- Powder-painted galvanized steel cabinet chassis.
- Protective steel louvered coil guard.
- Steel wire axial fan guard.
- ECM fan motor and unique blade style allowing for smooth discharge air and quieter operation.

Capacity (Tons)	Model	Voltage-Phase-Hz	Unit Dimensions & Weight			
			Height (in.) [mm]	Width (in.) [mm]	Length (in.) [mm]	Net Weight (lbs) [kg]
1.5	MOVA-18CN10-M152G	208~230V-1Ph-60Hz	23-5/8 [600]	24-15/16 [633]	23-5/8 [600]	137 [62]
2	MOVA-24CN10-M152G	208~230V-1Ph-60Hz	28 [710]	24-15/16 [633]	28 [710]	149 [68]
2.5	MOVA-30CN10-M152G	208~230V-1Ph-60Hz	28 [710]	24-15/16 [633]	28 [710]	149 [68]
3	MOVA-36CN10-M152L	208~230V-1Ph-60Hz	29-1/8 [740]	24-15/16 [633]	29-1/8 [740]	165 [75]
3.5	MOVA-42CN10-M152L	208~230V-1Ph-60Hz	28 [710]	33-3/16 [843]	28 [710]	181 [82]
4	MOVA-48CN10-M152L	208~230V-1Ph-60Hz	28 [710]	33-3/16 [843]	28 [710]	197 [89]
5	MOVA-60CN10-M152L	208~230V-1Ph-60Hz	29-1/8 [740]	33-3/16 [843]	29-1/8 [740]	208 [94]
5	MOVA-61CN10-M152L	208~230V-1Ph-60Hz	29-1/8 [740]	33-3/16 [843]	29-1/8 [740]	213 [97]

CAPACITY (TONS)	1.5	2	2.5	3	3.5	4	5	5
MODEL	MOVA-18HN10-M152L	MOVA-24HN10-M152L	MOVA-30HN10-M152L	MOVA-36HN10-M152L	MOVA-42HN10-M152L	MOVA-48HN10-M152L	MOVA-60HN10-M152L	MOVA-61HN10-M152L
RATED CAPACITY								
Cooling (BTU/h)	18,000	23,000	28,000	34,200	41,000	45,000	54,000	55,000
Heating (BTU/h)	18,000	22,800	27,000	34,200	41,000	44,500	54,000	55,000
ELECTRICAL DATA								
Voltage / Phase (60 Hz)	208~230V/1Ph	208~230V/1Ph	208~230V/1Ph	208~230V/1Ph	208~230V/1Ph	208~230V/1Ph	208~230V/1Ph	208~230V/1Ph
Min. / Max. Voltage (V)	187/253	187/253	187/253	187/253	187/253	187/253	187/253	187/253
Min. Circuit Amps (MCA) (A)	11.5	14.7	17.2	21.5	26.2	28	36.9	39.6
Max. Overcurrent Protection (MOP) (A)	15	20	25	30	40	45	60	60
COMPRESSOR								
Type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Stage	Single	Single	Single	Single	Single	Single	Single	Two-stage
Rated Load Amps (RLA) (A)	8.4	10.7	12.7	16	19.6	20.8	27.8	30.2
Locked Rotor Amps (LRA) (A)	47	59	71	86	96	95	125	123
Crankcase Heater	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CONDENSER COIL								
Type	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin
Tube Size (O.D.) (in.)	3/16	9/32	9/32	3/16	3/16	3/16	3/16	9/32
FAN MOTOR								
Motor Type	ECM	ECM	ECM	ECM	ECM	ECM	ECM	ECM
Capacitor(µF)	/	/	/	/	/	/	/	/
Horsepower (HP)	1/6	1/6	1/6	1/3	1/3	1/3	1/3	1/3
Full Load Amps (FLA) (A)	1	1.3	1.3	1.5	1.7	2.0	2.0	1.8
REFRIGERATION SYSTEM								
Liquid Valve Size (O.D.) (in.)	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Suction Valve Size (O.D.) (in.)	3/4	3/4	3/4	3/4	3/4	7/8	7/8	7/8
Liquid Line Size (O.D.) (in.)	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Suction Line Size (O.D.) (in.)	3/4	3/4	3/4	3/4	3/4	7/8	1-1/8	1-1/8
Refrigerant Charge (lbs. - oz.)	4 lbs. 11 OZ.	5 lbs. 13 OZ.	5 lbs. 13 OZ.	5 lbs. 9 OZ.	6 lbs. 11 OZ.	6 lbs. 11 OZ.	6 lbs. 15 OZ.	9 lbs. 9 OZ.
SOUND POWER (dB(A))	73	75	75	77	78	78	80	80
OPERATION RANGE								
Cooling (°C)	12.7~48.9	12.7~48.9	12.7~48.9	12.7~48.9	12.7~48.9	12.7~48.9	12.7~48.9	12.7~48.9
Cooling (°F)	55~120	55~120	55~120	55~120	55~120	55~120	55~120	55~120
Heating (°C)	-15~30	-15~30	-15~30	-15~30	-15~30	-15~30	-15~30	-15~30
Heating (°F)	5~86	5~86	5~86	5~86	5~86	5~86	5~86	5~86
LOADING QTY/40HQ (WITH/WITHOUT PALLET)	216/216	135/189	135/189	135/180	117/135	117/135	117/135	117/135



INDOOR UNITS

MVMP Series | High-efficiency Air Handler

Cooling capacity: 18-60 kBTU/h



Standard Features:

- High heat-transfer efficiency and low static-pressure drop A-shaped coil.
- Foil-faced insulation to prevent energy loss through the cabinet.
- Factory-sealed cabinet certified to achieve 2% or less air leakage rate at 1.0 inch water column.
- Multi-stage blower Speed Control to align with varying capacity demands.
- 4-position installation: Upflow, Horizontal Right, Downflow, Horizontal Left.
- Horizontal and vertical condensate drain pans standard, primary and secondary condensate fittings.
- Field-installed electric heater kits 5, 7.5, 10, 15, 20 kW available as accessories.
- Multiple electrical entry locations.
- Dual front panel, volute and coil with slide track, TXV with threaded connection for easy maintenance.
- Integrated filter rack with toolless door access.
- Easy-to-braze copper evaporator connection.
- TXV designed for easy piston replacement.
- All-aluminum heat exchanger extends product lifetime.
- Advanced internal welding process to reduce potential corrosion.
- Polymer condensate drain pan with UVC inhibitor to extends product lifetime.
- Fully-insulated cabinet design.
- R454B refrigerant sensor ensures safe operation.
- R454B refrigerant sensor is factory-installed, making unit suitable for more room types and applications.

Capacity (Tons)	Model	Voltage-Phase-Hz	Unit Dimensions & Weight				
			Height (in.) [mm]	Width (in.) [mm]	Length (in.) [mm]	Supply Duct "A" (in.) [mm]	Net Weight (lbs) [kg]
1.5	MVMP18A1MN10OA	208~230V-1Ph-60Hz	41-3/8 [1,050]	18-1/8 [460]	20-1/2 [520]	16 [406]	109 [49]
2	MVMP24B1MN10OA	208~230V-1Ph-60Hz	46-1/2 [1,180]	19-5/8 [500]	21-5/8 [550]	18 [456]	130 [59]
3	MVMP36B1MN10OA	208~230V-1Ph-60Hz	46-1/2 [1,180]	19-5/8 [500]	21-5/8 [550]	18 [456]	130 [59]
4	MVMP48C1MN10OA	208~230V-1Ph-60Hz	54-1/2 [1,385]	22 [560]	24 [610]	19-1/2 [496]	157 [71]
5	MVMP60C1MN10OA	208~230V-1Ph-60Hz	54-1/2 [1,385]	22 [560]	24 [610]	19-1/2 [496]	163 [74]

CAPACITY (TONS)	1.5	2	3	4	5
MODEL	MVMP18A1MN10OA	MVMP24B1MN10OA	MVMP36B1MN10OA	MVMP48C1MN10OA	MVMP60C1MN10OA
NOMINAL RATING					
Cooling (BTU/h)	18,000	23,600	34,200	45,000	54,500
CFM (High/Low range)	600	900	1,200	1,400	1,650
External Static Pressure (in.w.c) [Pa]	0.58 [145]	0.58 [145]	0.58 [145]	0.58 [145]	0.58 [145]
ELECTRICAL DATA					
Voltage / Phase(60Hz)	208V/230V-1ph-60Hz	208V/230V-1ph-60Hz	208V/230V-1ph-60Hz	208V/230V-1ph-60Hz	208V/230V-1ph-60Hz
Min. / Max. Voltage (V)	187/253	187/253	187/253	187/253	187/253
Min. Circuit Amps (MCA) (A)	1.8	2.5	3.3	4.3	5.0
Max. Overcurrent Protection (MOP) (A)	15	15	15	15	15
FAN MOTOR					
Motor Type	PSC	PSC	PSC	PSC	PSC
Capacitor (uF)	6	10	15	20	20
Horsepower (HP)	1/5	1/5	1/3	1/2	1/2
Rated RPM	755	820	980	900	980
Full Load Amps (FLA) (A)	1.4	2.0	2.6	3.4	4.0
FAN BLOWER					
Material	Metal	Metal	Metal	Metal	Metal
Type	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Diameter(in.) [mm]	10 [278.5]	10 [278.5]	10 [278.5]	10 [278.5]	10 [278.5]
Height(in.) [mm]	8 [207]	10 [271]	10 [271]	10 [271]	10 [271]
Coil Drain Connection FPT (in.)	3/4	3/4	3/4	3/4	3/4
EVAPORATOR COIL					
Type	Aluminum-Hydrophilic Aluminum	Aluminum-Hydrophilic Aluminum	Aluminum-Hydrophilic Aluminum	Aluminum-Hydrophilic Aluminum	Aluminum-Hydrophilic Aluminum
Tube Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Tube Size (in.)	9/32	9/32	9/32	9/32	9/32
SOUND POWER (dB)	65	67	70	71	73
REFRIGERANT CONNECTION SIZE					
Liquid Line Size (O.D.) (in.)	3/8	3/8	3/8	3/8	3/8
Suction Line Size (O.D.) (in.)	3/4	3/4	3/4	7/8	7/8
DIMENSIONS					
Width (In.) [mm]	18-1/8 [460]	19-5/8 [500]	19-5/8 [500]	22 [560]	22 [560]
Height (In.) [mm]	41-3/8 [1,050]	46-1/2 [1,180]	46-1/2 [1,180]	51-1/2 [1,385]	51-1/2 [1,385]
Depth (In.) [mm]	20-1/2 [520]	21-5/8 [550]	21-5/8 [550]	24 [610]	24 [610]
packaging dimension (W x H x D) (In.) [mm]	27-3/4x42x24-3/16 [527x1,067x614]	22-5/16x47-1/8 x25-3/8 [567x1,197x644]	22-5/16x47-1/8 x25-3/8 [567x1,197x644]	24-11/16x55-3/16 x27-11/16 [627x1,402x704]	24-11/16x55-3/16 x27-11/16 [627x1,402x704]
SERVICE VALVE					
Liquid (in.)	3/8	3/8	3/8	3/8	3/8
Suction (in.)	3/4	3/4	3/4	7/8	7/8
WEIGHT					
Net weight (lbs.) [kg]	109 [49]	130 [59]	130 [59]	157 [71]	163[74]
Shipping weight (lbs.) [kg]	118 [54]	141 [64]	141 [64]	172 [78]	179[81]
LOADING QTY/40HQ (WITH/WITHOUT PALLET)	182/206	144/156	144/156	97/102	97/102

MVME Series | High-efficiency Air Handler

Cooling capacity: 24-61 kBTU/h



Standard Features:

- High heat-transfer efficiency and low static-pressure drop A-shaped coil.
- Foil-faced insulation to prevent energy loss through the cabinet.
- Factory-sealed cabinet certified to achieve 2% or less air leakage rate at 1.0 inch water column.
- Multi-stage blower Speed Control to align with varying capacity demands.
- Multi-speed constant-torque ECM motor.
- 4-position installation: Upflow, Horizontal Right, Downflow, Horizontal Left.
- Horizontal and vertical condensate drain pans standard, primary and secondary condensate fittings.
- Field-installed electric heater kits 5, 7.5, 10, 15, 20 kW available as accessories.
- Multiple electrical entry locations.
- Dual front panel, volute and coil with slide track, TXV with threaded connection for easy maintenance.
- Integrated filter rack with toolless door access.
- Easy-to-braze copper evaporator connection.
- TXV designed for easy piston replacement.
- All-aluminum heat exchanger extends product lifetime.
- Advanced internal welding process to reduce potential corrosion.
- Polymer condensate drain pan with UVC inhibitor to extends product lifetime.
- Fully-insulated cabinet design.
- R454B refrigerant sensor ensures safe operation.
- R454B refrigerant sensor is factory-installed, making unit suitable for more room types and applications.



Capacity (Tons)	Model	Voltage-Phase-Hz	Unit Dimensions & Weight				
			Height (in.) [mm]	Width (in.) [mm]	Length (in.) [mm]	Supply Duct "A" (in.) [mm]	Net Weight (lbs) [kg]
2	MVME24A1MN100A	208~230V-1Ph-60Hz	41-3/8[1050]	18-1/8[460]	20-1/2[520]	16 [406]	101 [46]
3	MVME36B1MN100A	208~230V-1Ph-60Hz	46-1/2[1180]	19-5/8[500]	21-5/8[550]	18 [456]	121 [55]
4	MVME48C1MN100A	208~230V-1Ph-60Hz	54-1/2[1385]	22[560]	24[610]	19-1/2 [496]	150 [68]
5	MVME60C1MN100A	208~230V-1Ph-60Hz	54-1/2[1385]	22[560]	24[610]	19-1/2 [496]	150 [68]
5	MVME61C1MN10TA	208~230V-1Ph-60Hz	54-1/2[1385]	22[560]	24[610]	19-1/2 [496]	159 [72]

CAPACITY (TONS)	2	3	4	5	5
MODEL	MVME24A1MN100A	MVME36B1MN100A	MVME48C1MN100A	MVME60C1MN100A	MVME61C1MN10TA
NOMINAL RATING					
Cooling (BTU/h)	23,600	34,200	45,000	54,500	54,500
CFM (High/Low range)	740	1,240	1,540	1,750	1,500
External Static Pressure (in.w.c) [Pa]	0.58 [145]	0.58 [145]	0.58 [145]	0.58 [145]	0.58 [145]
ELECTRICAL DATA					
Voltage / Phase(60Hz)	208V/230V-1ph-60Hz	208V/230V-1ph-60Hz	208V/230V-1ph-60Hz	208V/230V-1ph-60Hz	208V/230V-1ph-60Hz
Min. / Max. Voltage (V)	187/253	187/253	187/253	187/253	187/253
Min. Circuit Amps (MCA) (A)	3.3	4.2	5.6	7.0	7.0
Max. Overcurrent Protection (MOP) (A)	15	15	15	15	15
FAN MOTOR					
Motor Type	ECM	ECM	ECM	ECM	ECM
Capacitor (uF)	/	/	/	/	/
Horsepower (HP)	1/3	1/2	3/4	3/4	3/4
Rated RPM	1,050	1,050	1,050	1,050	1,050
MOC	2.6	3.3	4.5	5.6	5.6
FAN BLOWER					
Material	Metal	Metal	Metal	Metal	Metal
Type	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Diameter(in.) [mm]	10 [278.5]	10 [278.5]	10 [278.5]	10 [278.5]	10 [278.5]
Height(in.) [mm]	8 [207]	10 [271]	10 [271]	10 [271]	10 [271]
Coil Drain Connection FPT (in.)	3/4	3/4	3/4	3/4	3/4
EVAPORATOR COIL					
Type	Aluminum-Hydrophilic Aluminum	Aluminum-Hydrophilic Aluminum	Aluminum-Hydrophilic Aluminum	Aluminum-Hydrophilic Aluminum	Aluminum-Hydrophilic Aluminum
Tube Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Tube Size (in.)	9/32	9/32	9/32	9/32	9/32
SOUND POWER (dB)	67	70	72	75	72
REFRIGERANT CONNECTION SIZE					
Liquid Line Size (O.D.) (in.)	3/8	3/8	3/8	3/8	3/8
Suction Line Size (O.D.) (in.)	3/4	3/4	7/8	7/8	1-1/8
DIMENSIONS					
Width (In.) [mm]	18-1/8 [460]	19-5/8 [500]	22 [560]	22 [560]	22 [560]
Height (In.) [mm]	41-3/8 [1,050]	46-1/2 [1,180]	54-1/2 [1,385]	54-1/2 [1,385]	54-1/2 [1,385]
Depth (In.) [mm]	20-1/2 [520]	21-5/8 [550]	24 [610]	24 [610]	24 [610]
packaging dimension (W x H x D) (In.) [mm]	27-3/4x42x24-3/16 [527x1,067x614]	22-5/16x47-1/8 x25-3/8 [567x1,197x644]	27-11/16x55-3/16 x27-11/16 [627x1,402x704]	27-11/16x55-3/16 x27-11/16 [627x1,402x704]	27-11/16x55-3/16 x27-11/16 [627x1,402x704]
SERVICE VALVE					
Liquid (in.)	3/8	3/8	3/8	3/8	3/8
Suction (in.)	3/4	3/4	7/8	7/8	7/8
WEIGHT					
Net weight (lbs.) [kg]	101 [46]	121 [55]	150 [68]	150 [68]	159 [72]
Shipping weight (lbs.) [kg]	112 [51]	134 [61]	165 [75]	165 [75]	174 [79]
LOADING QTY/40HQ (WITH/WITHOUT PALLET)	182/206	144/156	97/102	97/102	97/102

MCPM Series | Multi-position Cased Coils

Cooling capacity: 30-60 kBTU/h



Standard Features:

- Equipped with a refrigerant sensor, suitable for R454b system .
- UL 60335 2-40 and AHRI certified.
- High efficiency and energy saving, AHRI energy efficiency certificated.
- Multi-position installation accommodated a variety of installation scenarios .
- Broad cooling range from 55 oF to 120 oF.
- Optional factory installed Thermostatic Expansion Valve .
- All aluminum coil for corrosion-resistance.
- 100% insulation, reduces operating sound and enhance thermal insulation.
- Perfect match with Midea MGV gas furnace, no need extra kit for R454b system.

Model	Unit Dimensions & Weight					
	UNIT HEIGHT “H” (in.) [mm]	UNIT WIDTH “W” (in.) [mm]	SUPPLY DUCT “A” (in.) [mm]	“W1” (in.) [mm]	LIQUID LINE/ VAPOR LINE (in.)	Net Weight (lbs) [kg]
MCPM3036AN10OH	20 [508]	14-1/2 [368]	13 [330]	13-1/2 [343]	3/8 / 3/4	44 [20]
MCPM3036BN10OH	20 [508]	17-1/2 [445]	16 [407]	16-1/2 [419]	3/8 / 3/4	46 [21]
MCPM3036CN10OH	20 [508]	21 [533]	19-1/2 [495]	20 [508]	3/8 / 3/4	49 [22]
MCPM3642BN10OH	26 [660]	17-1/2 [445]	16 [407]	16-1/2 [419]	3/8 / 3/4	57 [26]
MCPM3642CN10OH	26 [660]	21 [533]	19-1/2 [495]	20 [508]	3/8 / 3/4	59 [27]
MCPM3642DN10OH	26 [660]	24-1/2 [622]	23 [584]	23-1/2 [597]	3/8 / 3/4	64 [29]
MCPM4248BN10OH	30 [762]	17-1/2 [445]	16 [407]	16-1/2 [419]	3/8 / 3/4	73 [33]
MCPM4248CN10OH	30 [762]	21 [533]	19-1/2 [495]	20 [508]	3/8 / 3/4	73 [33]
MCPM4248DN10OH	30 [762]	24-1/2 [622]	23 [584]	23-1/2 [597]	3/8 / 3/4	75 [34]
MCPM4860CN10OH	30 [762]	21 [533]	19-1/2 [495]	20 [508]	3/8 / 3/4	82 [37]
MCPM4860DN10OH	30 [762]	24-1/2 [622]	23 [584]	23-1/2 [597]	3/8 / 3/4	86 [39]

	MCPM3036 AN10OH	MCPM3036 BN10OH	MCPM3036 CN10OH	MCPM3642 BN10OH	MCPM3642 CN10OH	MCPM3642 DN10OH
INSTALLATION	Multiple position	Multiple position	Multiple position	Multiple position	Multiple position	Multiple position
AIR OUTLET (W × H) (in.)	13×19	16×19	19-1/2×19	16×19	19-1/2×19	23×19
NOMINAL RATING						
Max. Cooling (BTU/h)	30,000/36,000	30,000/36,000	30,000/36,000	36,000/42,000	36,000/42,000	36,000/42,000
EVAPORATOR COIL						
Type	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin
Tube Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Tube Size (in.)	9/32	9/32	9/32	9/32	9/32	9/32
REFRIGERANT CONNECTION SIZE						
Liquid Line Size (O.D.) (in.)	3/8	3/8	3/8	3/8	3/8	3/8
Suction Line Size (O.D.) (in.)	3/4	3/4	3/4	3/4	3/4	3/4
DIMENSIONS						
Net dimensions (W × H × D) (in.)	21×14-1/2×20	21×17-1/2×20	21×21×20	21×17-1/2×26	21×21×26	21×24-1/2×26
Packed dimensions (W × H × D) (in.)	25×17-11/16 ×22-1/4	24-15/16×20-5/8 ×22-1/4	24-15/16×24-3/16 ×22-1/4	24-15/16×20-5/8 ×28-1/8	24-15/16×24-3/16 ×28-1/8	24-15/16×27-9/16 ×28-1/8
WEIGHT						
Net weight (lbs.)	45	47	49	57	59	64
Shipping weight (lbs.)	54	57	55	64	66	70
LOADING QTY/40HQ (WITH/WITHOUT PALLET)	273/364	246/328	171/228	246/246	171/171	162/162

	MCPM4248 BN10OH	MCPM4248 CN10OH	MCPM4248 DN10OH	MCPM4860 CN10OH	MCPM4860 DN10OH
INSTALLATION	Multiple position	Multiple position	Multiple position	Multiple position	Multiple position
AIR OUTLET (W × H) (in.)	16×19	19-1/2×19	23×19	19-1/2×19	23×19
NOMINAL RATING					
Max. Cooling (BTU/h)	42,000/48,000	42,000/48,000	42,000/48,000	48,000/60,000	48,000/60,000
EVAPORATOR COIL					
Type	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin
Tube Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Tube Size (in.)	3/8	3/8	3/8	3/8	3/8
REFRIGERANT CONNECTION SIZE					
Liquid Line Size (O.D.) (in.)	3/8	3/8	3/8	3/8	3/8
Suction Line Size (O.D.) (in.)	3/4	3/4	3/4	3/4	3/4
DIMENSIONS					
Net dimensions (W × H × D) (in.)	21×17-1/2×30	21×21×30	21×24-1/2×30	21×21×30	21×24-1/2×30
Packed dimensions (W × H × D) (in.)	24-15/16×20-5/8 ×32-5/16	24-15/16×24-3/16 ×32-5/16	24-15/16×27-9/16 ×32-5/16	24-15/16×24-3/16 ×32-5/16	24-15/16×27-9/16 ×32-5/16
WEIGHT					
Net weight (lbs.)	73	73	75	82	86
Shipping weight (lbs.)	79	79	82	88	93
LOADING QTY/40HQ (WITH/WITHOUT PALLET)	164/246	114/171	108/162	114/171	108/162

MPCE Series | Ceiling-mounted

Cooling capacity: 18-36 kBTU/h



Standard Features:

- Safe, low-GWP R454B refrigerant with leak alarm function.
- Durable, corrosion-resistant cabinet help prevent energy loss while virtually eliminating condensation.
- All-aluminum coil provides excellent heat transfer and efficiency with enhanced durability and less risk of leakage compared to conventional copper coils.
- Durable, integrated drain pan is made from rust-resistant materials. A gently-sloped design eliminates standing water.
- Variable speed blower motor provides gradual startup and shutdown, not only decreasing energy consumption but contributing to improved air quality and more consistent temperatures.
- Blower compartment- It can reduce sound for quiet operation and save energy.
- Exquisite design-Super slim appearance and compact structure will save much installation space.



Model	Voltage-Phase -Hz	Unit Dimension (in.) [mm]				Net Weight (lbs) [kg]
		A (in.) [mm]	B (in.) [mm]	C (in.) [mm]	D (in.) [mm]	
MPCP18A1MN10TA	208~230V-1Ph-60Hz	39-3/4 [1010]	30-3/8 [771]	28 [711]	43-3/8 [1101]	116 [52.5]
MPCP24A1MN10TA	208~230V-1Ph-60Hz	39-3/4 [1010]	30-3/8 [771]	28 [711]	43-3/8 [1101]	116 [52.5]
MPCP30B1MN10TA	208~230V-1Ph-60Hz	51-3/4 [1315]	42-1/6 [1076]	40 [1016]	55-3/8 [1406]	142 [64.5]
MPCP36B1MN10TA	208~230V-1Ph-60Hz	51-3/4 [1315]	42-1/6 [1076]	40 [1016]	55-3/8 [1406]	142 [64.5]

CAPACITY (TONS)	1.5	2	2.5	3
MODEL	MPCE18A1MN10TA	MPCE24A1MN10TA	MPCE30B1MN10TA	MPCE36B1MN10TA
NOMINAL RATING				
Cooling (BTU/h)	18,000	24,000	30,000	36,000
External Static Pressure (in.w.g)(Pa)	75	75	75	75
ELECTRICAL DATA				
Voltage / Phase (60 Hz)	208~230V/1Ph	208~230V/1Ph	208~230V/1Ph	208~230V/1Ph
Min. / Max. Voltage (V)	187/253	187/253	187/253	187/253
Min. Circuit Amps (MCA) (A)	3.3	3.3	3.3	3.3
Max. Overcurrent Protection (MOP) (A)	15	15	15	15
FAN MOTOR				
Motor Type	ECM	ECM	ECM	ECM
Capacitor (uF)	/	/	/	/
Horsepower (HP)	1/3	1/3	1/3	1/3
Rated RPM	1,050	1,050	1,050	1,050
Full Load Amps (FLA) (A)	2.6	2.6	2.6	2.6
FAN BLOWER				
Material	Metal	Metal	Metal	Metal
Type	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Diameter (in.)	7	7	7	7
Height (in.)	8	8	9	9
EVAPORATOR COIL				
Type	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin
Tube Material	Aluminum	Aluminum	Aluminum	Aluminum
Tube Size (in.)	9/32	9/32	9/32	9/32
SOUND POWER (dB(A))	51	51	59	59
REFRIGERANT CONNECTION SIZE				
Liquid Line Size (O.D.) (in.)	3/8	3/8	3/8	3/8
Suction Line Size (O.D.) (in.)	3/4	3/4	3/4	3/4
LOADING QTY/40HQ (WITH PALLET)	210	210	161	161

MPCP Series | Ceiling-mounted

Cooling capacity: 18-36 kBTU/h



Standard Features:

Safe, low-GWP R454B refrigerant with leak alarm function.

Durable, corrosion-resistant cabinet help prevent energy loss while virtually eliminating condensation.

All-aluminum coil provides excellent heat transfer and efficiency with enhanced durability and less risk of leakage compared to conventional copper coils.

Durable, integrated drain pan is made from rust-resistant materials. A gently-sloped design eliminates standing water.

Variable speed blower motor provides gradual startup and shutdown, not only decreasing energy consumption but contributing to improved air quality and more consistent temperatures.

Blower compartment- It can reduce sound for quiet operation and save energy.

Exquisite design-Super slim appearance and compact structure will save much installation space.



Model	Unit Dimension (in.) [mm]				Net Weight (lbs) [kg]
	A (in.) [mm]	B (in.) [mm]	C (in.) [mm]	D (in.) [mm]	
MPCP18A1MN10TA	39-3/4 [1,010]	30-3/8 [771]	28 [711]	43-3/8 [1,101]	116 [52.5]
MPCP24A1MN10TA	39-3/4 [1,010]	30-3/8 [771]	28 [711]	43-3/8 [1,101]	116 [52.5]
MPCP30B1MN10TA	51-3/4 [1,315]	42-1/6 [1,076]	40 [1,016]	55-3/8 [1,406]	142 [64.5]
MPCP36B1MN10TA	51-3/4 [1,315]	42-1/6 [1,076]	40 [1,016]	55-3/8 [1,406]	142 [64.5]

CAPACITY (TONS)	1.5	2	2.5	3
MODEL	MPCP18A1MN10TA	MPCP24A1MN10TA	MPCP30B1MN10TA	MPCP36B1MN10TA
NOMINAL RATING				
Cooling (BTU/h)	18,000	24,000	30,000	36,000
External Static Pressure (in.w.g)(Pa)	75	75	75	75
ELECTRICAL DATA				
Voltage / Phase (60 Hz)	208~230V / 1Ph	208~230V / 1Ph	208~230V / 1Ph	208~230V / 1Ph
Min. / Max. Voltage (V)	187/253	187/253	187/253	187/253
Min. Circuit Amps (MCA) (A)	1.3	1.3	2.4	2.4
Max. Overcurrent Protection (MOP) (A)	15	15	15	15
FAN MOTOR				
Motor Type	PSC	PSC	PSC	PSC
Capacitor (uF)	6	6	10	10
Horsepower (HP)	1/8	1/8	1/3	1/3
Rated RPM	1,075	1,075	1,120	1,120
Full Load Amps (FLA) (A)	1.04	1.04	1.9	1.9
FAN BLOWER				
Material	Metal	Metal	Metal	Metal
Type	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Diameter (in.)	7	7	7	7
Height (in.)	8	8	9	9
EVAPORATOR COIL				
Type	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin
Tube Material	Aluminum	Aluminum	Aluminum	Aluminum
Tube Size (in.)	9/32	9/32	9/32	9/32
SOUND POWER (dB(A))	51	51	59	59
REFRIGERANT CONNECTION SIZE				
Liquid Line Size (O.D.) (in.)	3/8	3/8	3/8	3/8
Suction Line Size (O.D.) (in.)	3/4	3/4	3/4	3/4
LOADING QTY/40HQ (WITH PALLET)	210	210	161	161

MPUE Series | Ceiling-mounted

Cooling capacity: 18-36 kBTU/h



Standard Features:

- Safe, low-GWP R454B refrigerant with leak alarm function.
- Durable, corrosion-resistant cabinet help prevent energy loss while virtually eliminating condensation.
- All-aluminum coil provides excellent heat transfer and efficiency with enhanced durability and less risk of leakage compared to conventional copper coils.
- Durable, integrated drain pan is made from rust-resistant materials. A gently-sloped design eliminates standing water.
- Variable speed blower motor provides gradual startup and shutdown, not only decreasing energy consumption but contributing to improved air quality and more consistent temperatures.
- Blower compartment- It can reduce sound for quiet operation and save energy.
- Exquisite design-Super slim appearance and compact structure will save much installation space.



Model	Unit Dimension (in.) [mm]				Net Weight (lbs) [kg]
	A (in.) [mm]	B (in.) [mm]	C (in.) [mm]	D (in.) [mm]	
MPUE18A1MN10TA	37-1/4 [946]	34-11/16 [881]	30 [762]	6-1/2 [165]	80.5 [36.5]
MPUE24A1MN10TA	37-1/4 [946]	34-11/16 [881]	30 [762]	6-1/2 [165]	80.5 [36.5]
MPUE30B1MN10TA	49-1/4 [1,251]	46-11/16 [1,186]	42 [1,067]	6-1/2 [165]	98 [44.5]
MPUE36B1MN10TA	49-1/4 [1,251]	46-11/16 [1,186]	42 [1,067]	6-1/2 [165]	98 [44.5]

CAPACITY (TONS)	1.5	2	2.5	3
MODEL	MPUE18A1MN10TA	MPUE24A1MN10TA	MPUE30B1MN10TA	MPUE36B1MN10TA
NOMINAL RATING				
Cooling (BTU/h)	18,000	24,000	30,000	36,000
External Static Pressure (in.w.g)(Pa)	75	75	75	75
ELECTRICAL DATA				
Voltage / Phase (60 Hz)	208-230V/1Ph	208-230V/1Ph	208-230V/1Ph	208-230V/1Ph
Min. / Max. Voltage (V)	187/253	187/253	187/253	187/253
Min. Circuit Amps (MCA) (A)	3.3	3.3	3.3	3.3
Max. Overcurrent Protection (MOP) (A)	15	15	15	15
FAN MOTOR				
Motor Type	ECM	ECM	ECM	ECM
Capacitor (uF)	/	/	/	/
Horsepower (HP)	1/3	1/3	1/3	1/3
Rated RPM	1,050	1,050	1,050	1,050
Full Load Amps (FLA) (A)	2.6	2.6	2.6	2.6
FAN BLOWER				
Material	Metal	Metal	Metal	Metal
Type	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Diameter (in.)	7	7	7	7
Height (in.)	8	8	9	9
EVAPORATOR COIL				
Type	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin
Tube Material	Aluminum	Aluminum	Aluminum	Aluminum
Tube Size (in.)	9/32	9/32	9/32	9/32
SOUND POWER (dB(A))	51	51	59	59
REFRIGERANT CONNECTION SIZE				
Liquid Line Size (O.D.) (in.)	3/8	3/8	3/8	3/8
Suction Line Size (O.D.) (in.)	3/4	3/4	3/4	3/4
LOADING QTY/40HQ (WITH PALLET)	238	238	175	175

MPUP Series | Ceiling-mounted

Cooling capacity: 18-36 kBTU/h



Standard Features:

- Safe, low-GWP R454B refrigerant with leak alarm function.
- Durable, corrosion-resistant cabinet help prevent energy loss while virtually eliminating condensation.
- All-aluminum coil provides excellent heat transfer and efficiency with enhanced durability and less risk of leakage compared to conventional copper coils.
- Durable, integrated drain pan is made from rust-resistant materials. A gently-sloped design eliminates standing water.
- Variable speed blower motor provides gradual startup and shutdown, not only decreasing energy consumption but contributing to improved air quality and more consistent temperatures.
- Blower compartment- It can reduce sound for quiet operation and save energy.
- Exquisite design-Super slim appearance and compact structure will save much installation space.

Model	Unit Dimension (in.) [mm]				Net Weight (lbs) [kg]
	A (in.) [mm]	B (in.) [mm]	C (in.) [mm]	D (in.) [mm]	
MPUP18A1MN10TA	37-1/4 [946]	34-11/16 [881]	30 [762]	6-1/2 [165]	80.5 [36.5]
MPUP24A1MN10TA	37-1/4 [946]	34-11/16 [881]	30 [762]	6-1/2 [165]	80.5 [36.5]
MPUP30B1MN10TA	49-1/4 [1,251]	46-11/16 [1,186]	42 [1,067]	6-1/2 [165]	98 [44.5]
MPUP36B1MN10TA	49-1/4 [1,251]	46-11/16 [1,186]	42 [1,067]	6-1/2 [165]	98 [44.5]

CAPACITY (TONS)	1.5	2	2.5	3
MODEL	MPUP18A1MN10TA	MPUP24A1MN10TA	MPUP30B1MN10TA	MPUP36B1MN10TA
NOMINAL RATING				
Cooling (BTU/h)	18,000	24,000	30,000	36,000
External Static Pressure (in.w.g)(Pa)	75	75	75	75
ELECTRICAL DATA				
Voltage / Phase (60 Hz)	208-230V/1Ph	208-230V/1Ph	208-230V/1Ph	208-230V/1Ph
Min. / Max. Voltage (V)	187/253	187/253	187/253	187/253
Min. Circuit Amps (MCA) (A)	1.3	1.3	2.4	2.4
Max. Overcurrent Protection (MOP) (A)	15	15	15	15
FAN MOTOR				
Motor Type	PSC	PSC	PSC	PSC
Capacitor (uF)	6	6	10	10
Horsepower (HP)	1/8	1/8	1/3	1/3
Rated RPM	1,075	1,075	1,120	1,120
Full Load Amps (FLA) (A)	1.04	1.04	1.9	1.9
FAN BLOWER				
Material	Metal	Metal	Metal	Metal
Type	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Diameter (in.)	7	7	7	7
Height (in.)	8	8	9	9
EVAPORATOR COIL				
Type	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin
Tube Material	Aluminum	Aluminum	Aluminum	Aluminum
Tube Size (in.)	9/32	9/32	9/32	9/32
SOUND POWER (dB(A))	51	51	59	59
REFRIGERANT CONNECTION SIZE				
Liquid Line Size (O.D.) (in.)	3/8	3/8	3/8	3/8
Suction Line Size (O.D.) (in.)	3/4	3/4	3/4	3/4
LOADING QTY/40HQ (WITH PALLET)	238	238	175	175

MHVP&MHVE Series | Wall-mounted Air Handler

Cooling capacity: 18-36 kBTU/h



Standard Features:

- Direct-drive, multi-speed motors allow air volume variation for heating / cooling.
 - Multi-speed ECM motor: M152 series
 - Multi-speed PSC motor: M134 series
- Thermoplastic drain pan with bottom primary and secondary drain connections.
- Built-in filter rack.
- Wall-hanging bracket included.
- Front or bottom return available.
- Optional heating elements in 5kW, 7.5kW, and 10kW.
- All-aluminum coil.
- R454B refrigerant sensor is configured to ensure safe operation.
- R454B refrigerant sensor is factory-installed, more rooms are available for installation.



Model	Voltage-Phase -Hz	Unit Dimension (in.) [mm]					
		Height H (in.) [mm]	Width W (in.) [mm]	Width W1 (in.) [mm]	Depth D (in.) [mm]	Depth D1 (in.) [mm]	Net Weight (lbs) [kg]
PSC 18K/24K	208~230V-1Ph-60Hz	36-1/2 [928]	20-1/2 [521]	17-2/5 [442]	15 [381]	9-1/2 [242]	88 [40]
PSC 30K/36K	208~230V-1Ph-60Hz	39-1/2 [1,004]	22 [559]	18-4/5 [478]	19 [483]	9-1/2 [242]	106 [48]
ECM 18K/24K	208~230V-1Ph-60Hz	36-1/2 [928]	20-1/2 [521]	17-2/5 [442]	15 [381]	9-1/2 [242]	84 [38]
ECM 30K/36K	208~230V-1Ph-60Hz	39-1/2 [1,004]	22 [559]	18-4/5 [478]	19 [483]	9-1/2 [242]	99 [45]

CAPACITY (TONs)	1.5	2	2.5	3	1.5	2	2.5	3
MODEL	MHVP18A1 MN100B	MHVP24A1 MN100B	MHVP30B1 MN100B	MHVP36B1 MN100B	MHVE18A1 MN10TB	MHVE24A1 MN10TB	MHVE30B1 MN10TB	MHVE36B1 MN10TB
NOMINAL RATING								
Cooling (BTU/h)	18,000	24,000	30,000	36,000	18,000	24,000	30,000	36,000
External Static Pressure (in.w.c)	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
ELECTRICAL DATA								
Voltage / Phase (60 Hz)	208~230V/1Ph	208~230V/1Ph	208~230V/1Ph	208~230V/1Ph	208~230V/1Ph	208~230V/1Ph	208~230V/1Ph	208~230V/1Ph
Min. / Max. Voltage (V)	208/230V	208/230V	208/230V	208/230V	208/230V	208/230V	208/230V	208/230V
Min. Circuit Amps (MCA) (A)	1.2	1.7	2.8	2.8	2.4	2.4	3.4	3.4
Max. Overcurrent Protection (MOP) (A)	15	15	15	15	15	15	15	15
FAN MOTOR								
Motor Type	PSC	PSC	PSC	PSC	ECM	ECM	ECM	ECM
Capacitor (uF)	6	6	15	10	/	/	/	/
Horsepower (HP)	1/6	1/5	1/3	1/3	1/3	1/3	1/2	1/2
Rated RPM	650	750	1,130	1,150	650	800	1,100	1,120
Full Load Amps (FLA) (A)	0.9	1.3	2.2	2.2	1.9	1.9	2.7	2.7
REFRIGERANT DETECTOR								
Number of Detector	1	1	1	1	1	1	1	1
Type	TC/NDIR	TC/NDIR	TC/NDIR	TC/NDIR	TC/NDIR	TC/NDIR	TC/NDIR	TC/NDIR
Detection Threshold Limit Value (DTLV)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Measurement Range	0 ~ 100%	0 ~ 100%	0 ~ 100%	0 ~ 100%	0 ~ 100%	0 ~ 100%	0 ~ 100%	0 ~ 100%
Operating temp (°F)	-22 ~ 158	-22 ~ 158	-22 ~ 158	-22 ~ 158	-22 ~ 158	-22 ~ 158	-22 ~ 158	-22 ~ 158
FAN BLOWER								
Material	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal
Type	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Diameter (in.)	10	10	10	10	10	10	10	10
Height (in.)	6	6	9	9	6	6	9	9
EVAPORATOR COIL								
Type	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin
Tube Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Tube Size (mm)	7	7	7	7	7	7	7	7
SOUND POWER (dB(A))	49	52	53	54	49	52	53	54
REFRIGERANT CONNECTION SIZE								
Liquid Line Size (O.D.) (in.)	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Suction Line Size (O.D.) (in.)	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
LOADING QTY/40HQ (WITH PALLET)	202	202	158	158	202	202	158	158



FURNACE

MGV80 Series | Gas Furnace

80% AFUE



Standard Features:

- Durable aluminized steel tubular heat exchanger.
- Hot-surface ignition for dependable operation.
- Quiet multi-speed direct-drive Blower.
- Natural gas and propane (LP) convertible.
- R454b refrigerant leakage sensor adaptable
- UL60335-2-40 certified.
- Designed for multi-position installation: Up flow, down flow, horizontal.
- Industry-standard cabinet sizes for easy replacement, installation and add-on cooling.
- Convenient left or right connection for gas and electric service.
- Removable bottom for side or bottom return application.



FURNACE SIZE	A CABINET WIDTH IN.	D SUPPLY AIR WIDTH IN.	E RETURN AIR WIDTH IN.	SHIP WT (lbs)
40A3A	14.5	13	15-57/32	119
60A3A	14.5	13	15-57/32	119
60B4A	17.5	16	15-27/32	126
80B4A	17.5	16	15-27/32	139
80C4A	21	19.5	19-13/32	146
100C5A	21	19.5	19-13/32	159
120D5A	24.5	23	22-27/32	170

	MGV80M040A3A	MGV80M060A3A	MGV80M060B4A
FUEL TYPE	Natural/Propane Gas		
GAS HEATING PERFORMANCE			
Input (BTU/h)	40,000	60,000	60,000
Natural Gas	32,000	48,000	48,000
LP Gas	32,000	48,000	48,000
AFUE	80	80	80
Available AC @ 0.5" ESP	1/1.5/2/2.5	1.5/2/2.5/3	1.5/2/2.5/3
Temperature Rise Range (° F)	20-50	25-55	25-55
ELECTRICAL DATA			
Voltage/Phase (60Hz)	115	115	115
Min. / Max. Voltage (V)	104/127	104/127	104/127
Min. Circuit Ampacity (MCA) (A)	6	6	6
Max. Overcurrent Protection (MOP) (A)	15	15	15
FAN MOTOR			
Motor Type	ECM	ECM	ECM
Horsepower (HP)	1/2	1/2	1/2
Rated RPM	1050	1050	1050
Full Load Amps (FLA) (A)	8	8	8
Capacitor (uF)	\	\	\
CIRCULATOR BLOWER			
Material	Metal	Metal	Metal
Type	Centrifugal	Centrifugal	Centrifugal
Size (D x H) (in.)	11-3/16x6-9/64	11-3/16x6-9/64	11-3/16x9-41/64
Vent Diameter (in.)	3/4	3/4	3/4
No. of Burners	3	3	3
Speed Mode Number	5	5	5

	MGV80M080B4A	MGV80M080C4A	MGV80M100C5A	MGV80M120D5A
FUEL TYPE	Natural/Propane Gas			
GAS HEATING PERFORMANCE				
Input (BTU/h)	80,000	80,000	100000	120000
Natural Gas	64,000	64,000	80,000	96,000
LP Gas	64,000	64,000	80,000	96,000
AFUE	80	80	80	80
Available AC @ 0.5" ESP	2.5/3/3.5/4	2.5/3/3.5/4	3.5/4/4.5/5	3.5/4/4.5/5
Temperature Rise Range (° F)	30-60	30-60	30-60	35-65
ELECTRICAL DATA				
Voltage/Phase (60Hz)	115	115	115	115
Min. / Max. Voltage (V)	104/127	104/127	104/127	104/127
Min. Circuit Ampacity (MCA) (A)	6	6	12.3	13
Max. Overcurrent Protection (MOP) (A)	15	15	20	20
FAN MOTOR				
Motor Type	ECM	ECM	ECM	ECM
Horsepower (HP)	1/2	1/2	1	1
Rated RPM	1050	1050	1050	1050
Full Load Amps (FLA) (A)	8	8	14	14
Capacitor (uF)	\	\	\	\
CIRCULATOR BLOWER				
Material	Metal	Metal	Metal	Metal
Type	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Size (D x H) (in.)	11-3/16x9-41/64	11-3/16x11-3/16	11-3/16x11-3/16	12-6/8x11-1/4
Vent Diameter (in.)	3/4	3/4	3/4	3/4
No. of Burners	5	5	6	7
Speed Mode Number	5	5	5	5

MGV96 Series | Gas Furnace

96% AFUE



Standard Features:

- Durable aluminized steel tubular heat exchanger. Stainless-steel secondary heat exchanger.
- Two-stage gas valve.
- The gas furnace's igniter does not generate electric sparks, thereby enhancing safety.
- Quiet multi-speed ECM circulator blower motor.
- Control board with self-diagnostics and Low-voltage terminal block.
- R454b refrigerant leakage sensor adaptable
- UL60335-2-40 certified.
- Natural gas and propane (LP) convertible.
- Designed for multi-position installation: Up flow, horizontal. Industry-standard cabinet sizes for easy replacement, installation and add-on cooling.
- Convenient left or right connection for gas and electric service.
- Removable bottom for side or bottom return applications.
- Perfect match with Midea evaporator coil, no need extra kit for R454b system.



FURNACE SIZE	A CABINET WIDTH IN.	D SUPPLY AIR WIDTH IN.	E RETURN AIR WIDTH IN.	NET/SHIP WT (lbs)
60B3C	17.5[445]	16[406]	15-27/32[402]	130/147.5
80B3C	17.5[445]	16[406]	15-27/32[402]	139.5/152
80C4C	21[533]	19.5[495]	19-13/32[493]	151/165
100C5C	21[533]	19.5[495]	19-13/32[493]	153/170.5
100D5C	24.5[622]	23[584]	22-27/32[580]	160.5/181.5
120D5C	24.5[622]	23[584]	22-27/32[580]	166/187

	MGV96U060B3C	MGV96U080B3C	MGV96U080C4C	MGV96U100C5C	MGV96U100D5C	MGV96U120D5C
FUEL TYPE	Natural/Propane Gas					
GAS HEATING PERFORMANCE						
High Fire Input (BTU/h)	60,000	80,000	80,000	100,000	100,000	120,000
Natural Gas	57,000	76,000	76,000	95,000	95,000	115,000
LP Gas	57,000	76,000	76,000	95,000	95,000	115,000
Low Fire Input (BTU/h)	39,000	52,000	52,000	70,000	70,000	84,000
Natural Gas	37,000	49,000	49,000	67,000	67,000	80,500
LP Gas	37,000	49,000	49,000	67,000	67,000	80,500
AFUE	96	96	96	96	96	96
Available AC @ 0.5" ESP	1.5/2/2.5/3	2.5/3/3.5/4	2.5/3/3.5/4	3.5/4/4.5/5	3.5/4/4.5/5	3.5/4/4.5/5
Temperature Rise Range (° F)	30-60	35-65	35-65	35-65	35-65	40-70
Static pressure(in.w.c)						
Heating	0.12	0.15	0.15	0.2	0.2	0.2
Cooling	0.5	0.5	0.5	0.5	0.5	0.5
ELECTRICAL DATA						
Voltage/Phase (60Hz)	115	115	115	115	115	115
Min. / Max. Voltage (V)	104/127	104/127	104/127	104/127	104/127	104/127
Min. Circuit Ampacity (MCA) (A)	8	8	7.8	11.5	10.5	10.5
Max. Overcurrent Protection (MOP) (A)	15	15	15	20	20	20
FAN MOTOR						
Motor Type	ECM	ECM	ECM	ECM	ECM	ECM
Horsepower (HP)	3/4	3/4	3/4	1	1	1
Rated RPM	1050	1050	1050	1050	1050	1050
Full Load Amps (FLA) (A)	8	8	7.8	11.5	10.5	10.5
Capacitor (uF)	/	/	/	/	/	/
CIRCULATOR BLOWER						
Material	Metal	Metal	Metal	Metal	Metal	Metal
Size (D x H) (in.)	12-3/8 x 8	12-3/8 x 8	12-6/8 x 11-1/4	12-6/8 x 11-1/4	12-6/8 x 11-1/4	12-6/8 x 11-1/4
Vent Diameter (in.)	2/3	2/3	2/3	2/3	2/3	3
No. of Burners	3	4	4	5	5	6
Speed Mode Number	5	5	5	5	5	5

An aerial photograph of a modern residential development. The houses are arranged in a grid-like pattern, featuring a variety of architectural styles including single-story ranch-style homes, two-story townhomes, and larger multi-unit buildings. The roofs are primarily dark grey or black. The houses are surrounded by lush green lawns and young trees. In the background, there is a large, calm pond that reflects the surrounding greenery. To the right of the pond, there is a circular paved area, possibly a clubhouse or community center, with several cars parked nearby. The overall scene is bright and clear, suggesting a sunny day.

ROOFTOP PACKAGE

MRC134HP Series | Fixed Speed Heat Pump

Cooling capacity: 24-60 kBTU/h



Standard Features:

- Quiet horizontal discharge.
- Power-painted galvanized steel cabinet.
- Electric heat kit available as a field-installed option: 5/8/10/15/20kW.
- High-efficiency compressors operate smoothly, quietly, and consistently.
- Internal safeguards protect the compressor against high and low pressure, and coil temperature.
- Aluminum tube/aluminum fin coil.
- High-efficiency ECM blower motor.
- AHRI Certified and ETL listed.
- Compliant with UL-60335 certification.
- Uses more environmentally friendly R454B refrigerant.
- Full series 5mm condenser, higher heat exchange efficiency with less flammable refrigerant charge, safer.
- Full DC variable speed external motor, more efficient, smarter, and quieter.



Capacity (Tons)	Model	Voltage-Phase-Hz	Unit Dimension			Net Weight (lbs) [kg]
			Width (in.) [mm]	Height (in.) [mm]	Length (in.) [mm]	
2	MRC-24HWN10-M134G	208~230V-1Ph-60Hz	37.75 [958]	24.81 [630]	52 [1321]	148 [326]
2.5	MRC-30HWN10-M134G	208~230V-1Ph-60Hz	37.75 [958]	24.81 [630]	52 [1321]	148 [326]
3	MRC-36HWN10-M134L	208~230V-1Ph-60Hz	37.75 [958]	24.81 [630]	52 [1321]	153 [337]
3.5	MRC-42HWN10-M134L	208~230V-1Ph-60Hz	42.06 [1068]	33.06 [840]	58.5 [1485.9]	206 [454]
4	MRC-48HWN10-M134L	208~230V-1Ph-60Hz	42.06 [1068]	33.06 [840]	58.5 [1485.9]	206 [454]
5	MRC-60HWN10-M134L	208~230V-1Ph-60Hz	42.06 [1068]	33.06 [840]	58.5 [1485.9]	204 [450]

	MRC-24HWN10-M134G	MRC-30HWN10-M134G	MRC-36HWN10-M134L	MRC-42HWN10-M134L	MRC-48HWN10-M134L	MRC-48HWN10-M134L	
NOMINAL CAPACITY							
Cooling (BTU/h)	22,800	28,200	34,200	40,500	46,500	56,500	
Heating (BTU/h)	22,400	27,600	34,200	40,500	46,000	56,000	
ELECTRICAL DATA							
Voltage / Phase (60 Hz)	208/230V-1Ph	208/230V-1Ph	208/230V-1Ph	208/230V-1Ph	208/230V-1Ph	208/230V-1Ph	
Min. / Max. Voltage (V)	187/253	187/253	187/253	187/253	187/253	187/253	
Min. Circuit Amps (MCA) (A)	17.9	24.4	27.1	29.9	36.0	48.6	
Max. Overcurrent Protection (MOP) (A)	25	30	35	40	45	60	
COMPRESSOR							
Type	Rotary	Rotary	Scroll	Scroll	Scroll	Scroll	
Stage	Single	Single	Single	Single	Single	Single	
Rated Load Amps (RLA) (A)	11.9	15.5	17.6	19.9	23.8	32.0	
Locked Rotor Amps (LRA) (A)	55	58	86	96	95	125	
OUTDOOR COIL							
Type	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin	
Tube outside dia. (mm)	5	5	5	5	5	5	
OUTDOOR FAN MOTOR							
Motor Type	ECM	ECM	ECM	ECM	ECM	ECM	
Capacitor (uF)	/	/	/	/	/	/	
Horsepower (HP)	1/3	1/3	1/3	1/3	1/3	1/3	
Full Load Amps (FLA) (A)	1.4	2.1	2.1	2.3	2.3	2.8	
Rated Airflow (CFM)	2,250	2,550	2,550	3,600	3,600	3,600	
INDOOR COIL							
Type	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin	
Tube outside dia. (mm)	7	7	7	7	7	7	
INDOOR BLOWER MOTOR							
Motor Type	PSC	ECM	ECM	PSC	PSC	ECM	
Capacitor (uF)	/	/	/	/	/	/	
Horsepower (HP)	1/5	1/2	1/2	8/15	8/15	3/4	
Full Load Amps (FLA) (A)	1.6	2.9	3.0	2.7	2.9	5.8	
Rated Airflow (CFM at 0.58 in H ₂ O)	840	1050	1200	1430	1620	1750	
REFRIGERATION SYSTEM							
Refrigerant Control	Piston	Piston	Piston	Piston	Piston	Piston	
Refrigerant Charge (lbs. - oz.)	3 lbs. 14 oz.	3 lbs. 10 oz.	3 lbs. 12 oz.	5 lbs. 15 oz.	6 lbs. 1 oz.	5 lbs. 15 oz.	
SOUND POWER(dB(A))	80	81	81	80	80	81	
OPERATION RANGE							
Cooling (°C)	0~46.1	0~46.1	0~46.1	0~46.1	0~46.1	0~46.1	
Cooling (°F)	32~114.9	32~114.9	32~114.9	32~114.9	32~114.9	32~114.9	
Heating (°C)	-18~30	-18~30	-18~30	-18~30	-18~30	-18~30	
Heating (°F)	-0.4~86	-0.4~86	-0.4~86	-0.4~86	-0.4~86	-0.4~86	
Dimension & Weight							
Unpacking (W*H*D)	mm	958x630x1321	958x630x1321	958x630x1321	1068x840x1485.9	1068x840x1485.9	1068x840x1485.9
	inch	37.75x24.81x52	37.75x24.81x52	37.75x24.81x52	42.06x33.06x58.5	42.06x33.06x58.5	42.06x33.06x58.5
Packing (W*H*D)	mm	965x655x1340	965x655x1340	965x655x1340	1073x865x1505	1073x865x1505	1073x865x1505
	inch	38x25.81x52.76	38x25.81x52.76	38x25.81x52.76	42.24x34.07x59.25	42.24x34.07x59.25	42.24x34.07x59.25
Net/Gross weight	kg	148/154	148/154	153/159	206/214	206/214	204/212
	lb	326/340	326/340	337/351	454/472	454/472	450/467
SHIPPING PER STD 40HQ		84	84	84	45	45	45

MRD134HP Series | Fixed Speed Heat Pump

Cooling capacity: 24-60 kBTU/h



Standard Features:

- Quiet horizontal discharge.
- Compatible with side and bottom air discharge
- Power-painted galvanized steel cabinet.
- Electric heat kit available as a field-installed option: 5/8/10/15/20kW.
- High-efficiency compressors operate smoothly, quietly, and consistently.
- Internal safeguards protect the compressor against high and low pressure, and coil temperature.
- Aluminum tube/aluminum fin coil.
- High-efficiency ECM blower motor.
- AHRI Certified and ETL listed.
- Compliant with UL-60335 certification.
- Uses more environmentally friendly R454B refrigerant.
- Full DC variable speed condenser motor, more efficient, smarter, and quieter.



Capacity (Tons)	Model	Voltage-Phase-Hz	Unit Dimension			Net Weight (lbs) [kg]
			Width (in.) [mm]	Height (in.) [mm]	Length (in.) [mm]	
2	MRD-24HWN10-M134G	208~230V-1Ph-60Hz	35-1/16 [891]	46-13/16 [1190]	50-11/16 [1287]	397 [180]
2.5	MRD-30HWN10-M134G	208~230V-1Ph-60Hz	35-1/16 [891]	46-13/16 [1190]	50-11/16 [1287]	401 [182]
3	MRD-36HWN10-M134G	208~230V-1Ph-60Hz	35-1/16 [891]	46-13/16 [1190]	50-11/16 [1287]	415 [189]
3.5	MRD-42HWN10-M134G	208~230V-1Ph-60Hz	44-13/16 [1140]	51-7/16 [1306]	51-9/16 [1310]	526 [239]
4	MRD-48HWN10-M134L	208~230V-1Ph-60Hz	44-13/16 [1140]	51-7/16 [1306]	51-9/16 [1310]	544 [247]
5	MRD-60HWN10-M134L	208~230V-1Ph-60Hz	44-13/16 [1140]	51-7/16 [1306]	51-9/16 [1310]	551 [250]
5	MRD-60HWN10-M134D	208~230V-3Ph-60Hz	44-13/16 [1140]	51-7/16 [1306]	51-9/16 [1310]	564 [257]

	MRD-24HWN10-M134G	MRD-30HWN10-M134G	MRD-36HWN10-M134G	
NOMINAL CAPACITY				
Cooling (BTU/h)	22,800	28,200	34,000	
Heating (BTU/h)	22,800	28,200	34,200	
ELECTRICAL DATA				
Voltage / Phase (60 Hz)	208/230V-1Ph	208/230V-1Ph	208/230V-1Ph	
Min. / Max. Voltage (V)	187/253	187/253	187/253	
Min. Circuit Amps (MCA) (A)	17.8	22.5	27.7	
Max. Overcurrent Protection (MOP) (A)	25	30	35	
COMPRESSOR				
Type	Rotary	Rotary	Rotary	
Stage	Single	Single	Single	
Rated Load Amps (RLA) (A)	12	14	18	
Locked Rotor Amps (LRA) (A)	55	58	72	
OUTDOOR COIL				
Type	Tube & Fin	Tube & Fin	Tube & Fin	
Tube Size (O.D) (in)	9/32	9/32	9/32	
OUTDOOR FAN MOTOR				
Motor Type	PSC	PSC	PSC	
Capacitor (uF)	6	6	6	
Horsepower (HP)	1/12	1/12	1/6	
Full Load Amps (FLA) (A)	0.8	0.8	1.0	
Rated RPM	878	878	840	
INDOOR COIL				
Type	Tube & Fin	Tube & Fin	Tube & Fin	
Tube Size (O.D) (in)	9/32	9/32	9/32	
INDOOR BLOWER MOTOR				
Motor Type	PSC	ECM	ECM	
Capacitor (uF)	12	/	/	
Horsepower (HP)	1/5	1/2	1/2	
Full Load Amps (FLA) (A)	2	4.2	4.2	
Rated RPM	908	740	880	
REFRIGERATION SYSTEM				
Refrigerant Control	Orifice	Orifice	Orifice	
Refrigerant Charge (lbs. - oz.)	5 lbs. 10 oz.	5 lbs. 3 oz.	6 lbs. 13 oz.	
SOUND POWER (dB(A))	78	78	78	
OPERATION RANGE				
Cooling (°C)	10~51.7	10~51.7	10~51.7	
Cooling (°F)	50~125	50~125	50~125	
Heating (°C)	-15~30	-15~30	-15~30	
Heating (°F)	5~86	5~86	5~86	
Dimension & Weight				
Unpacking (W*H*D)	mm	891x1190x1287	891x1190x1287	891x1190x1287
	inch	35-1/16x46-13/16x50-11/16	35-1/16x46-13/16x50-11/16	35-1/16x46-13/16x50-11/16
Packing (W*H*D)	mm	937x1256x1330	937x1256x1330	937x1256x1330
	inch	36-7/8 x 49-7/16 x 52-3/8	36-7/8 x 49-7/16 x 52-3/8	36-7/8 x 49-7/16 x 52-3/8
Net/Gross weight	kg	180/189	182/191	189/198
	lb	397/416	401/420	415/435
SHIPPING PER STD 40HQ		42	42	42

	MRD-42HWN10-M134G	MRD-48HWN10-M134L	MRD-60HWN10-M134L	MRD-60HWN10-M134D
NOMINAL CAPACITY				
Cooling (BTU/h)	41,000	46,500	56,500	56,500
Heating (BTU/h)	41,000	45,600	57,000	57,000
ELECTRICAL DATA				
Voltage / Phase (60 Hz)	208/230V-1Ph	208/230V-1Ph	208/230V-1Ph	208/230V-3Ph
Min. / Max. Voltage (V)	187/253	187/253	187/253	187/253
Min. Circuit Amps (MCA) (A)	34.1	33.9	42.8	29.1
Max. Overcurrent Protection (MOP) (A)	45	45	50	40
COMPRESSOR				
Type	Rotary	Scroll	Scroll	Scroll
Stage	Single	Single	Single	Three
Rated Load Amps (RLA) (A)	21	22	28	17
Locked Rotor Amps (LRA) (A)	86	95	125	123
OUTDOOR COIL				
Type	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin
Tube Size (O.D) (in)	9/32	9/32	9/32	9/32
OUTDOOR FAN MOTOR				
Motor Type	PSC	PSC	PSC	PSC
Capacitor (uF)	15	15	15	15
Horsepower (HP)	1/3	1/3	1/3	1/3
Full Load Amps (FLA) (A)	2.1	2.1	2.1	2.1
Rated RPM	1,050	1,050	1,050	1,050
INDOOR COIL				
Type	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin
Tube Size (O.D) (in)	9/32	9/32	9/32	9/32
INDOOR BLOWER MOTOR				
Motor Type	ECM	PSC	ECM	ECM
Capacitor (uF)	/	20	/	/
Horsepower (HP)	3/4	4/5	3/4	3/4
Full Load Amps (FLA) (A)	5.7	4.3	5.7	5.7
Rated RPM	950	976	950	950
REFRIGERATION SYSTEM				
Refrigerant Control	Orifice	Orifice	Orifice	Orifice
Refrigerant Charge (lbs. - oz.)	7 lbs. 15 oz.	8 lbs. 3 oz.	9 lbs. 8 oz.	9 lbs. 8 oz.
SOUND POWER (dB(A))	80	80	80	80
OPERATION RANGE				
Cooling (°C)	10~51.7	10~51.7	10~51.7	10~51.7
Cooling (°F)	50~125	50~125	50~125	50~125
Heating (°C)	-15~30	-15~30	-15~30	-15~30
Heating (°F)	5~86	5~86	5~86	5~86
Dimension & Weight				
Unpacking (W*H*D)	mm	1140x1306x1310	1140x1306x1310	1140x1306x1310
	inch	44-13/16x51-7/16x51-9/16	44-13/16x51-7/16x51-9/16	44-13/16x51-7/16x51-9/16
Packing (W*H*D)	mm	1164x1329x1339	1164x1329x1339	1164x1329x1339
	inch	45-5/8x52-1/3x52-5/7	45-5/8x52-1/3x52-5/7	45-5/8x52-1/3x52-5/7
Net/Gross weight	kg	239/247	247/255	250/258
	lb	526/544	544/562	551/569
SHIPPING PER STD 40HQ		31	31	31

MRD134AG Series | Fixed Speed Condensing Unit

Cooling capacity: 24-60 kBTU/h



Standard Features:

- Eco-friendly R454B refrigerant with low GWP value.
- Quiet horizontal discharge.
- Compatible with side and bottom air discharge
- Power-painted galvanized steel cabinet.
- High-efficiency compressors operate smoothly, quietly, and consistently.
- Internal safeguards protect the compressor against high and low pressure, and coil temperature.
- Aluminum tube/aluminum fin coil.
- High-efficiency ECM blower motor.
- AHRI Certified and ETL listed.
- Compliant with UL-60335 certification.
- Uses more environmentally friendly R454B refrigerant.
- Microchannel condenser, higher heat exchange efficiency with less flammable refrigerant charge, safer.
- Full DC variable speed condenser motor, more efficient, smarter, and quieter.



Capacity (Tons)	Model	Voltage-Phase-Hz	Unit Dimension			Net Weight (lbs) [kg]
			Width (in.) [mm]	Height (in.) [mm]	Length (in.) [mm]	
2	MRD-24S060GWN10-M134G	208~230V-1Ph-60Hz	50-11/16 [1287]	35-1/16 [890]	46-7/16 [1180]	191 [422]
2.5	MRD-30S060GWN10-M134G	208~230V-1Ph-60Hz	50-11/16 [1287]	35-1/16 [890]	46-7/16 [1180]	196 [432]
3	MRD-36S090GWN10-M134G	208~230V-1Ph-60Hz	50-11/16 [1287]	35-1/16 [890]	46-7/16 [1180]	202 [444]
3.5	MRD-42S090GWN10-M134G	208~230V-1Ph-60Hz	51-9/16 [1310]	44-13/16 [1140]	49-3/4 [1265]	244 [539]
4	MRD-48S090GWN10-M134L	208~230V-1Ph-60Hz	51-9/16 [1310]	44-13/16 [1140]	49-3/4 [1265]	254 [560]
5	MRD-60S090GWN10-M134L	208~230V-1Ph-60Hz	51-9/16 [1310]	44-13/16 [1140]	49-3/4 [1265]	253 [557]
5	MRD-60S110GWN10-M134L	208~230V-1Ph-60Hz	51-9/16 [1310]	44-13/16 [1140]	49-3/4 [1265]	255 [562]

	MRD-24S060GWN10-M134G	MRD-30S060GWN10-M134G	MRD-36S090GWN10-M134G	
NOMINAL CAPACITY				
Cooling (BTU/h)	22,800	28,400	34,000	
GAS HEATING PERFORMANCE				
Heating input (Bth/h)	60,000	60,000	90,000	
Heating output (Bth/h)	48,000	48,000	72,000	
No. burners	5	5	7	
Gas connection pipe size (in)	1/2 NPT	1/2 NPT	1/2 NPT	
ELECTRICAL DATA				
Voltage / Phase (60 Hz)	208/230V-1Ph	208/230V-1Ph	208/230V-1Ph	
Min. / Max. Voltage (V)	187/253	187/253	187/253	
Min. Circuit Amps (MCA) (A)	18.8	21.5	25.2	
Max. Overcurrent Protection (MOP) (A)	25	30	40	
COMPRESSOR				
Type	Rotary	Rotary	Rotary	
Stage	Single	Single	Single	
Rated Load Amps (RLA) (A)	11	13	16	
Locked Rotor Amps (LRA) (A)	55	58	72	
OUTDOOR COIL				
Type	Microchannel	Microchannel	Microchannel	
Tube outside dia. (mm)	16	16	16	
OUTDOOR FAN MOTOR				
Motor Type	PSC	PSC	PSC	
Capacitor (uF)	6	6	6	
Horsepower (HP)	1/12	1/6	1/6	
Full Load Amps (FLA) (A)	0.8	1.0	1.0	
Rated Airflow (CFM)	2,144	2,909	2,909	
INDOOR COIL				
Type	Tube & Fin	Tube & Fin	Tube & Fin	
Tube outside dia. (mm)	7	7	7	
INDOOR BLOWER MOTOR				
Motor Type	ECM	ECM	ECM	
Capacitor (uF)	/	/	/	
Horsepower (HP)	1/2	1/2	1/2	
Full Load Amps (FLA) (A)	4.2	4.2	4.2	
Rated Airflow (CFM at 0.58 in H ₂ O)	800	930	1050	
REFRIGERATION SYSTEM				
Refrigerant Control	Piston	Piston	Piston	
Refrigerant Charge (lbs. - oz.)	2 lbs. 10 oz.	2 lbs. 12 oz.	2 lbs. 14 oz.	
SOUND POWER(dB(A))	79	79	79	
OPERATION RANGE				
Cooling (°C)	18~48	18~48	18~48	
Cooling (°F)	64.4~118.4	64.4~118.4	64.4~118.4	
Dimension & Weight				
Unpacking (W*H*D)	mm	1287x890x1180	1287x890x1180	1287x890x1180
	inch	50-11/16x35-1/16x46-7/16	50-11/16x35-1/16x46-7/16	50-11/16x35-1/16x46-7/16
Packing (W*H*D)	mm	1335x940x1235	1335x940x1235	1335x940x1235
	inch	51-28/64x37x48-5/8	51-28/64x37x48-5/8	51-28/64x37x48-5/8
Net/Gross weight	kg	191/201	196/208	202/212
	lb	422/443	432/458	444/467
SHIPPING PER STD 40HQ		40	40	40

	MRD-42S090GWN10-M134G	MRD-48S090GWN10-M134L	MRD-60S090GWN10-M134L	MRD-60S110GWN10-M134L	
NOMINAL CAPACITY					
Cooling (BTU/h)	40,000	47,000	57,000	57,000	
GAS HEATING PERFORMANCE					
Heating input (Bth/h)	90,000	90,000	90,000	110,000	
Heating output (Bth/h)	72,000	72,000	72,000	88,000	
No. burners	6	6	6	7	
Gas connection pipe size (in)	1/2 NPT	1/2 NPT	1/2 NPT	1/2 NPT	
ELECTRICAL DATA					
Voltage / Phase (60 Hz)	208/230V-1Ph	208/230V-1Ph	208/230V-1Ph	208/230V-1Ph	
Min. / Max. Voltage (V)	187/253	187/253	187/253	187/253	
Min. Circuit Amps (MCA) (A)	29.9	36.4	41.4	41.4	
Max. Overcurrent Protection (MOP) (A)	45	50	60	60	
COMPRESSOR					
Type	Rotary	Scroll	Scroll	Scroll	
Stage	Single	Single	Single	Single	
Rated Load Amps (RLA) (A)	19	23	27	27	
Locked Rotor Amps (LRA) (A)	86	98	125	125	
OUTDOOR COIL					
Type	Microchannel	Microchannel	Microchannel	Microchannel	
Tube outside dia. (mm)	16	16	16	16	
OUTDOOR FAN MOTOR					
Motor Type	PSC	PSC	PSC	PSC	
Capacitor (uF)	15	15	15	15	
Horsepower (HP)	1/3	1/3	1/3	1/3	
Full Load Amps (FLA) (A)	1.9	1.9	1.9	1.9	
Rated Airflow (CFM)	5,223	5,223	5,223	5,223	
INDOOR COIL					
Type	Tube & Fin	Tube & Fin	Tube & Fin	Tube & Fin	
Tube outside dia. (mm)	7	7	7	7	
INDOOR BLOWER MOTOR					
Motor Type	ECM	ECM	ECM	ECM	
Capacitor (uF)	/	/	/	/	
Horsepower (HP)	1/2	3/4	3/4	3/4	
Full Load Amps (FLA) (A)	4.2	5.7	5.7	5.7	
Rated Airflow (CFM at 0.58 in H ₂ O)	1400	1700	1800	1800	
REFRIGERATION SYSTEM					
Refrigerant Control	Piston	Piston	Piston	Piston	
Refrigerant Charge (lbs. - oz.)	3 lbs. 12 oz.	3 lbs. 12 oz.	3 lbs. 12 oz.	3 lbs. 12 oz.	
SOUND POWER(dB(A))	80	80	80	80	
OPERATION RANGE					
Cooling (°C)	18~48	18~48	18~48	18~48	
Cooling (°F)	64.4~118.4	64.4~118.4	64.4~118.4	64.4~118.4	
Dimension & Weight					
Unpacking (W*H*D)	mm	1310x1140x1265	1310x1140x1265	1310x1140x1265	1310x1140x1265
	inch	51-9/16x44-13/16x49-3/4	51-9/16x44-13/16x49-3/4	51-9/16x44-13/16x49-3/4	51-9/16x44-13/16x49-3/4
Packing (W*H*D)	mm	1325x1150x1330	1325x1150x1330	1325x1150x1330	1325x1150x1330
	inch	52-1/8x45-1/4x52-3/8	52-1/8x45-1/4x52-3/8	52-1/8x45-1/4x52-3/8	52-1/8x45-1/4x52-3/8
Net/Gross weight	kg	244/254	254/264	253/263	255/265
	lb	539/559	560/581	557/580	562/584
SHIPPING PER STD 40HQ		33	33	33	33

MIDEA R454B UNITARY SELECTION INSTRUCTION



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AIR HANDLER SELECTION



13.4 SEER2 Air Conditioner

MVMP Air Handler (PSC Motor)

Capacity	Condenser Model	Air Handler Model	Throttle Value	ARHI Ref. No	Cooling Capacity at 95F	EER2 at 95F	SEER2
1.5 Ton	MOVA-18CN10-M134G	MVMP18A1MN10OA	#49 orifice	214836855	18000	11.2	13.4
1.5 Ton	MOVA-18CN10-M134G	MVMP24B1MN10OA	#49 orifice	214836856	18000	11.2	13.4
2 Ton	MOVA-24CN10-M134G	MVMP18A1MN10OA	#56 orifice	214836863	23000	11.2	13.4
2 Ton	MOVA-24CN10-M134G	MVMP24B1MN10OA	#56 orifice	214836864	23600	11.2	13.4
2 Ton	MOVA-24CN10-M134G	MVMP36B1MN10OA	#56 orifice	214836865	23600	11.2	13.4
2.5 Ton	MOVA-30CN10-M134G	MVMP24B1MN10OA	#58 orifice	214836874	28000	11.2	13.4
2.5 Ton	MOVA-30CN10-M134G	MVMP36B1MN10OA	#60 orifice	214836875	28000	11.2	13.4
3 Ton	MOVA-36CN10-M134L	MVMP24B1MN10OA	#65 orifice	214836886	34200	11.2	13.4
3 Ton	MOVA-36CN10-M134L	MVMP36B1MN10OA	#65 orifice	214836887	34200	11.2	13.4
3 Ton	MOVA-36CN10-M134L	MVMP48C1MN10OA	#65 orifice	214836888	35200	11.2	13.4
3.5 Ton	MOVA-42CN10-M134L	MVMP36B1MN10OA	#72 orifice	214836893	39500	11.2	13.4
3.5 Ton	MOVA-42CN10-M134L	MVMP48C1MN10OA	#72 orifice	214836894	41500	11.2	13.4
3.5 Ton	MOVA-42CN10-M134L	MVMP60C1MN10OA	#72 orifice	214836895	41500	11.2	13.4
4 Ton	MOVA-48CN10-M134L	MVMP48C1MN10OA	#72 orifice	214836898	46000	11.2	13.4
4 Ton	MOVA-48CN10-M134L	MVMP60C1MN10OA	#74 orifice	214836899	46000	11.2	13.4
5 Ton	MOVA-60CN10-M134L	MVMP48C1MN10OA	TXV field installed	214836901	53500	11.2	13.4
5 Ton	MOVA-60CN10-M134L	MVMP60C1MN10OA	TXV field installed	214836902	55000	11.2	13.4
4 Ton	MOVA-48CN10-M152L	MVMP60C1MN10OA	#74 orifice	214826041	45000	11.2	13.8
5 Ton	MOVA-60CN10-M152L	MVMP60C1MN10OA	#80 orifice	214826047	54000	11.2	13.8
5 Ton	MOVA-60CN10-M152L	MVMP48C1MN10OA	#80 orifice	214826049	54000	11.2	13.8
1.5 Ton	MOVA-18CN10-M134G	MVMP24B1MN10TA	TXV built-in	215560401	18000	11.2	13.4
1.5 Ton	MOVA-18CN10-M134G	MVMP18A1MN10TA	TXV built-in	215560400	18000	11.2	13.4
2 Ton	MOVA-24CN10-M134G	MVMP36B1MN10TA	TXV built-in	215560427	23600	11.2	13.4
2 Ton	MOVA-24CN10-M134G	MVMP24B1MN10TA	TXV built-in	215560426	23600	11.2	13.4

MVME Air Handler (ECM Motor)

Capacity	Condenser Model	Air Handler Model	Throttle Value	ARHI Ref. No	Cooling Capacity at 95F	EER2 at 95F	SEER2
2 Ton	MOVA-24CN10-M134G	MVMP18A1MN10TA	TXV built-in	215560425	23000	11.2	13.4
2.5 Ton	MOVA-30CN10-M134G	MVMP24B1MN10TA	TXV built-in	215560452	28000	11.2	13.4
2.5 Ton	MOVA-30CN10-M134G	MVMP36B1MN10TA	TXV built-in	215560453	28000	11.2	13.4
3 Ton	MOVA-36CN10-M134L	MVMP24B1MN10TA	TXV built-in	215560493	34200	11.2	13.4
3 Ton	MOVA-36CN10-M134L	MVMP36B1MN10TA	TXV built-in	215560494	34200	11.2	13.4
3 Ton	MOVA-36CN10-M134L	MVMP48C1MN10TA	TXV built-in	215560495	35200	11.2	13.4
3.5 Ton	MOVA-42CN10-M134L	MVMP36B1MN10TA	TXV built-in	215560529	39500	11.2	13.4
3.5 Ton	MOVA-42CN10-M134L	MVMP48C1MN10TA	TXV built-in	215560530	41500	11.2	13.4
3.5 Ton	MOVA-42CN10-M134L	MVMP60C1MN10TA	TXV built-in	215560531	41500	11.2	13.4
4 Ton	MOVA-48CN10-M134L	MVMP48C1MN10TA	TXV built-in	215560557	46000	11.2	13.4
4 Ton	MOVA-48CN10-M134L	MVMP60C1MN10TA	TXV built-in	215560558	46000	11.2	13.4
5 Ton	MOVA-60CN10-M152L	MVMP60C1MN10TA	TXV built-in	215560572	54000	11.2	13.8
5 Ton	MOVA-60CN10-M152L	MVMP48C1MN10TA	TXV built-in	215560571	54000	11.2	13.8
5 Ton	MOVB-60CN10-M152L	MVMP60C1MN10TA	TXV built-in	215570353	54000	11.2	13.8
4 Ton	MOVB-48CN10-M152L	MVMP60C1MN10TA	TXV built-in	215570333	45000	11.2	13.8
5 Ton	MOVA-60CN10-M152L	MVMP48C1MN10TA	TXV built-in	215570128	54000	11.2	13.8
5 Ton	MOVA-60CN10-M152L	MVMP60C1MN10TA	TXV built-in	215570120	54000	11.2	13.8
4 Ton	MOVA-48CN10-M152L	MVMP60C1MN10TA	TXV built-in	215570096	45000	11.2	13.8

Capacity	Condenser Model	Air Handler Model	Throttle Value	ARHI Ref. No	Cooling Capacity at 95F	EER2 at 95F	SEER2
4 ton	MOVA-48CN10-M134L	MVME60C1MN10TA	TXV built-in	215560589	45000	11.2	13.4
4 ton	MOVA-48CN10-M134L	MVME36B1MN10TA	TXV built-in	215560588	45000	11.2	13.4
3.5 ton	MOVA-42CN10-M134L	MVME60C1MN10TA	TXV built-in	215560587	41500	11.2	13.4
3 ton	MOVA-36CN10-M134L	MVME60C1MN10TA	TXV built-in	215560586	36000	11.2	13.4
3 ton	MOVA-36CN10-M134L	MVME36B1MN10TA	TXV built-in	215560585	34200	11.2	13.4
2.5 ton	MOVA-30CN10-M134G	MVME36B1MN10TA	TXV built-in	215560583	28800	11.2	13.4
2 ton	MOVA-24CN10-M134G	MVME36B1MN10TA	TXV built-in	215560582	24000	11.2	13.4
2 ton	MOVA-24CN10-M134G	MVME24A1MN10TA	TXV built-in	215560581	24000	11.2	13.4
1.5 ton	MOVA-18CN10-M134G	MVME36B1MN10TA	TXV built-in	215560580	18000	11.2	13.4
1.5 ton	MOVA-18CN10-M134G	MVME24A1MN10TA	TXV built-in	215560579	18000	11.2	13.4
5 ton	MOVA-60CN10-M134L	MVME60C1MN10TA	TXV built-in	215560573	55500	11.2	13.4
3.5 ton	MOVA-42CN10-M134L	MVME36B1MN10TA	TXV built-in	215560532	40000	11.2	13.4
2.5 ton	MOVA-30CN10-M134G	MVME24A1MN10TA	TXV built-in	215560454	28000	11.2	13.4
5 ton	MOVA-60CN10-M134L	MVME61C1MN10TA	TXV built-in	215493783	54000	11.2	13.4
4 ton	MOVA-48CN10-M134L	MVME61C1MN10TA	TXV built-in	215493782	45000	11.2	13.4

14.3 SEER2 Air Conditioner

MVMP Air Handler (PSC Motor)

Capacity	Condenser Model	Air Handler Model	Throttle Value	ARHI Ref. No	Cooling Capacity at 95F	EER2 at 95F	SEER2
2 Ton	MOVA-24CN10-M152G	MVMP18A1MN10OA	#56 orifice	214825995	23200	11.7	14.3
2 Ton	MOVA-24CN10-M152G	MVMP36B1MN10OA	#56 orifice	214825997	23800	11.7	14.3
2.5 Ton	MOVA-30CN10-M152G	MVMP24B1MN10OA	TXV field installed	214826008	28400	11.7	14.3
2.5 Ton	MOVA-30CN10-M152G	MVMP36B1MN10OA	TXV field installed	214826009	28600	11.7	14.3
3 Ton	MOVA-36CN10-M152L	MVMP24B1MN10OA	#65 orifice	214826021	34000	11.7	14.3
3 Ton	MOVA-36CN10-M152L	MVMP36B1MN10OA	#65 orifice	214826022	34000	11.7	14.3
3.5 Ton	MOVA-42CN10-M152L	MVMP48C1MN10OA	TXV field installed	214826032	41500	11.7	14.3
3.5 Ton	MOVA-42CN10-M152L	MVMP36B1MN10OA	TXV field installed	214826036	40000	11.7	14.3
3.5 Ton	MOVA-42CN10-M152L	MVMP60C1MN10OA	TXV field installed	214826037	41500	11.7	14.3
4 ton	MOVB-48CN10-M152L	MVMP48C1MN10TA	TXV built-in	215570332	44500	11.7	14.3
3.5 ton	MOVB-42CN10-M152L	MVMP60C1MN10TA	TXV built-in	215570326	41500	11.7	14.3
3.5 ton	MOVB-42CN10-M152L	MVMP36B1MN10TA	TXV built-in	215570325	40000	11.7	14.3
3.5 ton	MOVB-42CN10-M152L	MVMP48C1MN10TA	TXV built-in	215570301	41500	11.7	14.3
3 ton	MOVB-36CN10-M152L	MVMP48C1MN10TA	TXV built-in	215570248	34800	11.7	14.3
3 ton	MOVB-36CN10-M152L	MVMP36B1MN10TA	TXV built-in	215570247	34000	11.7	14.3

Capacity	Condenser Model	Air Handler Model	Throttle Value	ARHI Ref. No	Cooling Capacity at 95F	EER2 at 95F	SEER2
3 ton	MOVB-36CN10-M152L	MVMP24B1MN10TA	TXV built-in	215570246	34000	11.7	14.3
2.5 ton	MOVB-30CN10-M152G	MVMP36B1MN10TA	TXV built-in	215570205	28600	11.7	14.3
2.5 ton	MOVB-30CN10-M152G	MVMP24B1MN10TA	TXV built-in	215570204	28400	11.7	14.3
2 ton	MOVB-24CN10-M152G	MVMP36B1MN10TA	TXV built-in	215570167	23800	11.7	14.3
1.5 ton	MOVB-18CN10-M152G	MVMP24B1MN10TA	TXV built-in	215570130	18000	11.7	14.3
3.5 ton	MOVA-42CN10-M152L	MVMP60C1MN10TA	TXV built-in	215570086	41500	11.7	14.3
3.5 ton	MOVA-42CN10-M152L	MVMP36B1MN10TA	TXV built-in	215570085	40000	11.7	14.3
3.5 ton	MOVA-42CN10-M152L	MVMP48C1MN10TA	TXV built-in	215570059	41500	11.7	14.3
3 ton	MOVA-36CN10-M152L	MVMP36B1MN10TA	TXV built-in	215570005	34000	11.7	14.3
3 ton	MOVA-36CN10-M152L	MVMP24B1MN10TA	TXV built-in	215570004	34000	11.7	14.3
2.5 ton	MOVA-30CN10-M152G	MVMP36B1MN10TA	TXV built-in	215569963	28600	11.7	14.3
2.5 ton	MOVA-30CN10-M152G	MVMP24B1MN10TA	TXV built-in	215569962	28400	11.7	14.3
2 ton	MOVA-24CN10-M152G	MVMP36B1MN10TA	TXV built-in	215569927	23800	11.7	14.3
2 ton	MOVA-24CN10-M152G	MVMP18A1MN10TA	TXV built-in	215569925	23200	11.7	14.3

MVME Air Handler (ECM Motor)

Capacity	Condenser Model	Air Handler Model	Field Supply Throttle	ARHI Ref. No	Cooling Capacity at 95F	EER2 at 95F	SEER2
5 Ton	MOVA-60CN10-M152L	MVME60C1MN10OA	#80 orifice	214826048	54500	11.7	14.3
5 Ton	MOVB-60CN10-M152L	MVME60C1MN10TA	TXV built-in	215570354	54500	11.7	14.3
3.5 Ton	MOVB-42CN10-M152L	MVME36B1MN10TA	TXV built-in	215570302	40000	11.7	14.3
5 Ton	MOVA-60CN10-M152L	MVME60C1MN10TA	TXV built-in	215570121	54500	11.7	14.3

15.2 SEER2 Air Conditioner

MVMP Air Handler (PSC Motor)

Capacity	Condenser Model	Air Handler Model	Throttle Value	ARHI Ref. No	Cooling Capacity at 95F	EER2 at 95F	SEER2
1.5 Ton	MOVA-18CN10-M152G	MVMP18A1MN10OA	#47 orifice	214826051	18000	12	15.2
1.5 Ton	MOVA-18CN10-M152G	MVMP24B1MN10OA	#47 orifice	214825983	18000	12	15.2
2 Ton	MOVA-24CN10-M152G	MVMP24B1MN10OA	TXV field installed	214825996	23600	12	15.2
3 Ton	MOVA-36CN10-M152L	MVMP48C1MN10OA	TXV field installed	214826023	34800	12	15.2
4 Ton	MOVA-48CN10-M152L	MVMP48C1MN10OA	TXV field installed	214826040	44500	12	15.2
2 ton	MOVB-24CN10-M152G	MVMP24B1MN10TA	TXV built-in	215570166	23600	12	15.2
2 ton	MOVB-24CN10-M152G	MVMP18A1MN10TA	TXV built-in	215570165	23200	12	15.2
1.5 ton	MOVB-18CN10-M152G	MVMP18A1MN10TA	TXV built-in	215570129	18000	12	15.2
4 ton	MOVA-48CN10-M152L	MVMP48C1MN10TA	TXV built-in	215570095	44500	12	15.2
3 ton	MOVA-36CN10-M152L	MVMP48C1MN10TA	TXV built-in	215570006	34800	12	15.2
2 ton	MOVA-24CN10-M152G	MVMP24B1MN10TA	TXV built-in	215569926	23600	12	15.2
1.5 ton	MOVA-18CN10-M152G	MVMP24B1MN10TA	TXV built-in	215569890	18000	12	15.2
1.5 ton	MOVA-18CN10-M152G	MVMP18A1MN10TA	TXV built-in	215569889	18000	12	15.2

MVME Air Handler (ECM Motor)

Capacity	Condenser Model	Air Handler Model	Throttle Value	ARHI Ref. No	Cooling Capacity at 95F	EER2 at 95F	SEER2	Energy Star
1.5 Ton	MOVA-18CN10-M152G	MVME24A1MN10OA	#49 orifice	214825984	18000	12	15.2	✓
1.5 Ton	MOVA-18CN10-M152G	MVME36B1MN10OA	TXV field installed	214825985	18000	12	15.2	✓
2 Ton	MOVA-24CN10-M152G	MVME24A1MN10OA	#56 orifice	214825998	24000	12	15.2	✓
2 Ton	MOVA-24CN10-M152G	MVME36B1MN10OA	#56 orifice	214825999	24000	12	15.2	✓
2.5 Ton	MOVA-30CN10-M152G	MVME24A1MN10OA	TXV field installed	214826010	28000	12	15.2	✓
2.5 Ton	MOVA-30CN10-M152G	MVME36B1MN10OA	TXV field installed	214826011	28800	12	15.2	✓
3 Ton	MOVA-36CN10-M152L	MVME36B1MN10OA	TXV field installed	214826024	34200	12	15.2	✓
3 Ton	MOVA-36CN10-M152L	MVME60C1MN10OA	TXV field installed	214826026	36600	12	15.2	✓
3 Ton	MOVA-36CN10-M152L	MVME48C1MN10OA	TXV field installed	214826028	36600	12	15.2	✓
3.5 Ton	MOVA-42CN10-M152L	MVME36B1MN10OA	TXV field installed	214826033	40000	12	15.2	✓
3.5 Ton	MOVA-42CN10-M152L	MVME60C1MN10OA	TXV field installed	214826034	41500	12	15.2	✓
3.5 Ton	MOVA-42CN10-M152L	MVME48C1MN10OA	TXV field installed	214826038	41500	12	15.2	✓
4 Ton	MOVA-48CN10-M152L	MVME60C1MN10OA	#74 orifice	214826042	45000	12	15.2	✓
4 Ton	MOVA-48CN10-M152L	MVME36B1MN10OA	TXV field installed	214826044	43500	12	15.2	✓
4 Ton	MOVA-48CN10-M152L	MVME48C1MN10OA	#74 orifice	214826045	45000	12	15.2	✓
4 Ton	MOVA-48CN10-M152L	MVME60C1MN10OA	TXV field installed	215493784	45000	12	15.2	✓
4 Ton	MOVA-48CN10-M152L	MVME48C1MN10OA	TXV field installed	215493785	45000	12	15.2	✓
4 ton	MOVB-48CN10-M152L	MVME48C1MN10TA	TXV built-in	215570351	45500	12	15.2	✓
4 ton	MOVB-48CN10-M152L	MVME60C1MN10TA	TXV built-in	215570334	45000	12	15.2	✓
3.5 ton	MOVB-42CN10-M152L	MVME48C1MN10TA	TXV built-in	215570331	41500	12	15.2	✓
3.5 ton	MOVB-42CN10-M152L	MVME60C1MN10TA	TXV built-in	215570303	41500	12	15.2	✓
3 ton	MOVB-36CN10-M152L	MVME48C1MN10TA	TXV built-in	215570297	36000	12	15.2	✓
3 ton	MOVB-36CN10-M152L	MVME36B1MN10TA	TXV built-in	215570249	34200	12	15.2	✓
2.5 ton	MOVB-30CN10-M152G	MVME36B1MN10TA	TXV built-in	215570207	28800	12	15.2	✓

14.3 SEER2 Heat Pump

MVMP Air Handler (PSC Motor)

Capacity	Condenser Model	Air Handler Model	Throttle Value	ARHI Ref. No	Cooling Capacity at 95F	EER2 at 95F	SEER2	Energy Star
2.5 ton	MOVB-30CN10-M152G	MVME24A1MN10TA	TXV built-in	215570206	28000	12	15.2	✓
2 ton	MOVB-24CN10-M152G	MVME36B1MN10TA	TXV built-in	215570169	24000	12	15.2	✓
1.5 ton	MOVB-18CN10-M152G	MVME36B1MN10TA	TXV built-in	215570132	18000	12	15.2	✓
1.5 ton	MOVB-18CN10-M152G	MVME24A1MN10TA	TXV built-in	215570131	18000	12	15.2	✓
4 ton	MOVA-48CN10-M152L	MVME48C1MN10TA	TXV built-in	215570118	45000	12	15.2	✓
4 ton	MOVA-48CN10-M152L	MVME36B1MN10TA	TXV built-in	215570109	43500	12	15.2	✓
4 ton	MOVA-48CN10-M152L	MVME60C1MN10TA	TXV built-in	215570097	45000	12	15.2	✓
3.5 ton	MOVA-42CN10-M152L	MVME48C1MN10TA	TXV built-in	215570093	41500	12	15.2	✓
3.5 ton	MOVA-42CN10-M152L	MVME60C1MN10TA	TXV built-in	215570061	41500	12	15.2	✓
3.5 ton	MOVA-42CN10-M152L	MVME36B1MN10TA	TXV built-in	215570060	40000	12	15.2	✓
3 ton	MOVA-36CN10-M152L	MVME48C1MN10TA	TXV built-in	215570055	36600	12	15.2	✓
3 ton	MOVA-36CN10-M152L	MVME60C1MN10TA	TXV built-in	215570040	36600	12	15.2	✓
3 ton	MOVA-36CN10-M152L	MVME36B1MN10TA	TXV built-in	215570007	34200	12	15.2	✓
2.5 ton	MOVA-30CN10-M152G	MVME36B1MN10TA	TXV built-in	215569965	28800	12	15.2	✓
2.5 ton	MOVA-30CN10-M152G	MVME24A1MN10TA	TXV built-in	215569964	28000	12	15.2	✓
2 ton	MOVA-24CN10-M152G	MVME36B1MN10TA	TXV built-in	215569929	24000	12	15.2	✓
2 ton	MOVA-24CN10-M152G	MVME24A1MN10TA	TXV built-in	215569928	24000	12	15.2	✓
1.5 ton	MOVA-18CN10-M152G	MVME36B1MN10TA	TXV built-in	215569892	18000	12	15.2	✓
1.5 ton	MOVA-18CN10-M152G	MVME24A1MN10TA	TXV built-in	215569891	18000	12	15.2	✓

Capacity	Condenser Model	Air Handler Model	Throttle Value	ARHI Ref. No	Cooling Capacity at 95F	EER2 at 95F	SEER2	Heating Capacity at 47F	HSPF2
1.5 Ton	MOVA-18HN10-M152L	MVMP18A1MN10OA	#47 orifice	215213675	18000	11.7	14.3	18000	7.5
1.5 Ton	MOVA-18HN10-M152L	MVMP24B1MN10OA	#47 orifice	215213678	18000	11.7	14.3	18000	7.5
2 Ton	MOVA-24HN10-M152L	MVMP24B1MN10OA	#52 orifice	215212620	23000	11.7	14.3	22800	7.5
2 Ton	MOVA-24HN10-M152L	MVMP36B1MN10OA	TXV field installed	215212627	23000	11.7	14.3	22800	7.5
2.5 Ton	MOVA-30HN10-M152L	MVMP36B1MN10OA	TXV field installed	215212621	28000	11.7	14.3	27000	7.5
2.5 Ton	MOVA-30HN10-M152L	MVMP24B1MN10OA	TXV field installed	215212659	27200	11.7	14.3	26200	7.5
3 Ton	MOVA-36HN10-M152L	MVMP36B1MN10OA	TXV field installed	215212622	34200	11.7	14.3	34200	7.5
3 Ton	MOVA-36HN10-M152L	MVMP48C1MN10OA	TXV field installed	215212700	34600	11.7	14.3	34600	7.5
3.5 Ton	MOVA-42HN10-M152L	MVMP48C1MN10OA	TXV field installed	215212623	41000	11.7	14.3	41000	7.5
3.5 Ton	MOVA-42HN10-M152L	MVMP60C1MN10OA	TXV field installed	215212732	42000	11.7	14.3	41000	7.5
4 Ton	MOVA-48HN10-M152L	MVMP48C1MN10OA	TXV field installed	215212624	45000	11.7	14.3	44500	7.5
4 Ton	MOVA-48HN10-M152L	MVMP60C1MN10OA	TXV field installed	215212749	45000	11.7	14.3	44500	7.5
4 Ton	MOVA-48HN10-M152L	MVMP48C1MN10OA	#72 orifice	215493871	45000	11.7	14.3	44500	7.5
1.5 Ton	MOVA-18HN10-M152L	MVMP18A1MN10TA	TXV built-in	215576521	18000	11.7	14.3	18000	7.5
1.5 Ton	MOVA-18HN10-M152L	MVMP24B1MN10TA	TXV built-in	215576420	18000	11.7	14.3	18000	7.5

Capacity	Condenser Model	Air Handler Model	Throttle Value	ARHI Ref. No	Cooling Capacity at 95F	EER2 at 95F	SEER2	Heating Capacity at 47F	HSPF2
2 Ton	MOVA-24HN10-M152L	MVMP36B1MN10TA	TXV built-in	215576436	23000	11.7	14.3	22800	7.5
2 Ton	MOVA-24HN10-M152L	MVMP24B1MN10TA	TXV built-in	215576435	23000	11.7	14.3	22800	7.5
2.5 Ton	MOVA-30HN10-M152L	MVMP24B1MN10TA	TXV built-in	215576454	27200	11.7	14.3	26200	7.5
2.5 Ton	MOVA-30HN10-M152L	MVMP36B1MN10TA	TXV built-in	215576453	28000	11.7	14.3	27000	7.5
3 Ton	MOVA-36HN10-M152L	MVMP48C1MN10TA	TXV built-in	215576477	34600	11.7	14.3	34600	7.5
3 Ton	MOVA-36HN10-M152L	MVMP36B1MN10TA	TXV built-in	215576476	34200	11.7	14.3	34200	7.5
3.5 Ton	MOVA-42HN10-M152L	MVMP60C1MN10TA	TXV built-in	215576501	42000	11.7	14.3	41000	7.5
3.5 Ton	MOVA-42HN10-M152L	MVMP48C1MN10TA	TXV built-in	215576493	41000	11.7	14.3	41000	7.5
4 Ton	MOVA-48HN10-M152L	MVMP60C1MN10TA	TXV built-in	215576517	45000	11.7	14.3	44500	7.5
4 Ton	MOVA-48HN10-M152L	MVMP48C1MN10TA	TXV built-in	215576511	45000	11.7	14.3	44500	7.5

MVME Air Handler (ECM Motor)

Capacity	Condenser Model	Air Handler Model	Throttle Value	ARHI Ref. No	Cooling Capacity at 95F	EER2 at 95F	SEER2	Heating Capacity at 47F	HSPF2
2.5 Ton	MOVA-30HN10-M152L	MVME24A1MN10OA	TXV field installed	215213677	27400	11.7	14.3	25800	7.5
3 Ton	MOVA-36HN10-M152L	MVME36B1MN10OA	#65 orifice	215212701	34200	11.7	14.3	34200	7.5
3.5 Ton	MOVA-42HN10-M152L	MVME36B1MN10OA	TXV field installed	215212724	39500	11.7	14.3	40000	7.5
5 Ton	MOVA-60HN10-M152L	MVME60C1MN10OA	TXV field installed	215212625	54000	11.7	14.3	54000	7.5
2.5 Ton	MOVA-30HN10-M152L	MVME24A1MN10TA	TXV built-in	215576523	27400	11.7	14.3	25800	7.5
3 Ton	MOVA-36HN10-M152L	MVME36B1MN10TA	TXV built-in	215576478	34200	11.7	14.3	34200	7.5
3.5 Ton	MOVA-42HN10-M152L	MVME36B1MN10TA	TXV built-in	215576494	39500	11.7	14.3	40000	7.5
5 Ton	MOVA-60HN10-M152L	MVME60C1MN10TA	TXV built-in	215576520	54000	11.7	14.3	54000	7.5

15.2 SEER2 Heat Pump

MVME Air Handler (ECM Motor)

Capacity	Condenser Model	Air Handler Model	Throttle Value	ARHI Ref. No	Cooling Capacity at 95F	EER2 at 95F	SEER2	Heating Capacity at 47F	HSPF2	Energy Star
1.5 Ton	MOVA-18HN10-M152L	MVME24A1MN10OA	#47 orifice	215213679	18000	12	15.2	17200	7.8	✓
1.5 Ton	MOVA-18HN10-M152L	MVME24A1MN10OA	TXV field installed	215493872	18000	12	15.2	17200	7.8	✓
1.5 Ton	MOVA-18HN10-M152L	MVME36B1MN10OA	TXV field installed	215213683	18000	12	15.2	18000	7.8	✓
2 Ton	MOVA-24HN10-M152L	MVME24A1MN10OA	#52 orifice	215212628	23200	12	15.2	22400	7.8	✓
2 Ton	MOVA-24HN10-M152L	MVME36B1MN10OA	#52 orifice	215212629	23400	12	15.2	22800	7.8	✓
2.5 Ton	MOVA-30HN10-M152L	MVME36B1MN10OA	TXV field installed	215212660	27600	12	15.2	26000	7.8	✓
2.5 Ton	MOVA-30HN10-M152L	MVME48C1MN10OA	#60 orifice	215212699	28000	12	15.2	26000	7.8	✓
2.5 Ton	MOVA-30HN10-M152L	MVME60C1MN10OA	#60 orifice	215212694	28000	12	15.2	26000	7.8	✓
3 Ton	MOVA-36HN10-M152L	MVME48C1MN10OA	TXV field installed	215212723	35600	12	15.2	34200	7.8	✓
3 Ton	MOVA-36HN10-M152L	MVME60C1MN10OA	TXV field installed	215212710	35600	12	15.2	34200	7.8	✓
3.5 Ton	MOVA-42HN10-M152L	MVME48C1MN10OA	TXV field installed	215212742	41500	12	15.2	40500	7.8	✓
3.5 Ton	MOVA-42HN10-M152L	MVME60C1MN10OA	TXV field installed	215212725	41500	12	15.2	40500	7.8	✓
4 Ton	MOVA-48HN10-M152L	MVME48C1MN10OA	#72 orifice	215212753	45000	12	15.2	44000	7.8	✓
4 Ton	MOVA-48HN10-M152L	MVME60C1MN10OA	#72 orifice	215212743	45000	12	15.2	44000	7.8	✓
1.5 Ton	MOVA-18HN10-M152L	MVME36B1MN10TA	TXV built-in	215576408	18000	12	15.2	18000	7.8	✓
1.5 Ton	MOVA-18HN10-M152L	MVME24A1MN10TA	TXV built-in	215576407	18000	12	15.2	17200	7.8	✓
2 Ton	MOVA-24HN10-M152L	MVME36B1MN10TA	TXV built-in	215576410	23400	12	15.2	22800	7.8	✓
2 Ton	MOVA-24HN10-M152L	MVME24A1MN10TA	TXV built-in	215576409	23200	12	15.2	22400	7.8	✓
2.5 Ton	MOVA-30HN10-M152L	MVME48C1MN10TA	TXV built-in	215576413	28000	12	15.2	26000	7.8	✓
2.5 Ton	MOVA-30HN10-M152L	MVME60C1MN10TA	TXV built-in	215576412	28000	12	15.2	26000	7.8	✓
2.5 Ton	MOVA-30HN10-M152L	MVME36B1MN10TA	TXV built-in	215576411	27600	12	15.2	26000	7.8	✓
3 Ton	MOVA-36HN10-M152L	MVME48C1MN10TA	TXV built-in	215576415	35600	12	15.2	34200	7.8	✓
3 Ton	MOVA-36HN10-M152L	MVME60C1MN10TA	TXV built-in	215576414	35600	12	15.2	34200	7.8	✓
3.5 Ton	MOVA-42HN10-M152L	MVME48C1MN10TA	TXV built-in	215576417	41500	12	15.2	40500	7.8	✓
3.5 Ton	MOVA-42HN10-M152L	MVME60C1MN10TA	TXV built-in	215576416	41500	12	15.2	40500	7.8	✓
4 Ton	MOVA-48HN10-M152L	MVME48C1MN10TA	TXV built-in	215576419	45000	12	15.2	44000	7.8	✓
4 Ton	MOVA-48HN10-M152L	MVME60C1MN10TA	TXV built-in	215576418	45000	12	15.2	44000	7.8	✓

EVAPORATOR COIL SELECTION



13.4 SEER2 Air Conditioner

1.5 tons Condensers

Condenser Model	Coil Model	Throttle Value	ARHI Ref. No	Total Cooling Full Load Air Volume Rate (SCFM)	Cooling Capacity at 95F	EER2 at 95F	SEER2
MOVA-18CN10-M134G	MC**3036AN10OH	TXV field installed	214836844	500	17400	11.2	13.4
MOVA-18CN10-M134G	MC**3036CN10OH	TXV field installed	214836851	500	17400	11.2	13.4
MOVA-18CN10-M134G	MC**3036BN10OH	TXV field installed	214836852	500	17400	11.2	13.4
MOVA-18CN10-M134G	MC**3642BN10OH	TXV field installed	214836853	500	17600	11.2	13.4
MOVA-18CN10-M134G	MC**3642CN10OH	TXV field installed	214836854	500	17600	11.2	13.4
MOVA-18CN10-M134G	MC**4248BN10OH	TXV field installed	214836857	500	17400	11.2	13.4
MOVA-18CN10-M134G	MC**4248CN10OH	TXV field installed	214836858	500	17400	11.2	13.4
MOVA-18CN10-M134G	MC**4248CN10TH	TXV built-in	215560403	500	17400	11.2	13.4
MOVA-18CN10-M134G	MC**4248BN10TH	TXV built-in	215560402	500	17400	11.2	13.4
MOVA-18CN10-M134G	MC**3642CN10TH	TXV built-in	215560399	500	17600	11.2	13.4
MOVA-18CN10-M134G	MC**3642BN10TH	TXV built-in	215560398	500	17600	11.2	13.4
MOVA-18CN10-M134G	MC**3036BN10TH	TXV built-in	215560397	500	17400	11.2	13.4
MOVA-18CN10-M134G	MC**3036AN10TH	TXV built-in	215560396	500	17400	11.2	13.4
MOVA-18CN10-M134G	MC**3036CN10TH	TXV built-in	215560395	500	17400	11.2	13.4

2.0 tons Condensers

Condenser Model	Coil Model	Throttle Value	ARHI Ref. No	Total Cooling Full Load Air Volume Rate (SCFM)	Cooling Capacity at 95F	EER2 at 95F	SEER2
MOVA-24CN10-M134G	MC**3036AN10OH	#56 orifice	214836845	650	23600	11.2	13.4
MOVA-24CN10-M134G	MC**3036CN10OH	#56 orifice	214836859	650	23600	11.2	13.4
MOVA-24CN10-M134G	MC**3036BN10OH	#56 orifice	214836860	650	23600	11.2	13.4
MOVA-24CN10-M134G	MC**3642BN10OH	#56 orifice	214836861	650	23800	11.2	13.4
MOVA-24CN10-M134G	MC**3642CN10OH	#56 orifice	214836862	650	23800	11.2	13.4
MOVA-24CN10-M134G	MC**4248BN10OH	#56 orifice	214836866	650	23200	11.2	13.4
MOVA-24CN10-M134G	MC**4248CN10OH	#56 orifice	214836867	650	23200	11.2	13.4
MOVA-24CN10-M134G	MC**4248CN10TH	TXV built-in	215560429	650	23200	11.2	13.4
MOVA-24CN10-M134G	MC**4248BN10TH	TXV built-in	215560428	650	23200	11.2	13.4
MOVA-24CN10-M134G	MC**3642CN10TH	TXV built-in	215560424	650	23800	11.2	13.4
MOVA-24CN10-M134G	MC**3642BN10TH	TXV built-in	215560423	650	23800	11.2	13.4
MOVA-24CN10-M134G	MC**3036BN10TH	TXV built-in	215560422	650	23600	11.2	13.4
MOVA-24CN10-M134G	MC**3036AN10TH	TXV built-in	215560421	650	23600	11.2	13.4
MOVA-24CN10-M134G	MC**3036CN10TH	TXV built-in	215560420	650	23600	11.2	13.4

2.5 tons Condensers

Condenser Model	Coil Model	Throttle Value	ARHI Ref. No	Total Cooling Full Load Air Volume Rate (SCFM)	Cooling Capacity at 95F	EER2 at 95F	SEER2
MOVA-30CN10-M134G	MC**3036AN10OH	#58 orifice	214836846	900	27600	11.2	13.4
MOVA-30CN10-M134G	MC**3036CN10OH	#58 orifice	214836868	900	27600	11.2	13.4
MOVA-30CN10-M134G	MC**3036BN10OH	#58 orifice	214836869	900	27600	11.2	13.4
MOVA-30CN10-M134G	MC**3642BN10OH	#58 orifice	214836870	800	27800	11.2	13.4
MOVA-30CN10-M134G	MC**3642CN10OH	#58 orifice	214836871	800	27800	11.2	13.4
MOVA-30CN10-M134G	MC**4248BN10OH	#58 orifice	214836872	900	28200	11.2	13.4
MOVA-30CN10-M134G	MC**4248CN10OH	#58 orifice	214836873	900	28200	11.2	13.4
MOVA-30CN10-M134G	MC**4248CN10TH	TXV built-in	215560451	900	28200	11.2	13.4
MOVA-30CN10-M134G	MC**4248BN10TH	TXV built-in	215560450	900	28200	11.2	13.4
MOVA-30CN10-M134G	MC**3642CN10TH	TXV built-in	215560449	800	27800	11.2	13.4
MOVA-30CN10-M134G	MC**3642BN10TH	TXV built-in	215560448	800	27800	11.2	13.4
MOVA-30CN10-M134G	MC**3036BN10TH	TXV built-in	215560447	900	27600	11.2	13.4
MOVA-30CN10-M134G	MC**3036AN10TH	TXV built-in	215560446	900	27600	11.2	13.4
MOVA-30CN10-M134G	MC**3036CN10TH	TXV built-in	215560445	900	27600	11.2	13.4

3.0 tons Condensers

Condenser Model	Coil Model	Throttle Value	ARHI Ref. No	Total Cooling Full Load Air Volume Rate (SCFM)	Cooling Capacity at 95F	EER2 at 95F	SEER2
MOVA-36CN10-M134L	MC**3036AN10OH	TXV field installed	214836847	900	33600	11.2	13.4
MOVA-36CN10-M134L	MC**3036CN10OH	TXV field installed	214836877	900	33600	11.2	13.4
MOVA-36CN10-M134L	MC**3036BN10OH	TXV field installed	214836878	900	33600	11.2	13.4
MOVA-36CN10-M134L	MC**3642BN10OH	TXV field installed	214836879	1000	33800	11.2	13.4
MOVA-36CN10-M134L	MC**3642CN10OH	TXV field installed	214836880	1000	33800	11.2	13.4
MOVA-36CN10-M134L	MC**3642DN10OH	TXV field installed	214836881	1000	33800	11.2	13.4
MOVA-36CN10-M134L	MC**4248BN10OH	#65 orifice	214836882	1000	34200	11.2	13.4
MOVA-36CN10-M134L	MC**4248CN10OH	#65 orifice	214836883	1000	34200	11.2	13.4
MOVA-36CN10-M134L	MC**4248DN10OH	#65 orifice	214836884	1000	34200	11.2	13.4
MOVA-36CN10-M134L	MC**4860CN10OH	#65 orifice	214836885	1000	34400	11.2	13.4
MOVA-36CN10-M134L	MC**4860DN10OH	#65 orifice	215493774	1000	34400	11.2	13.4
MOVA-36CN10-M134L	MC**4860DN10TH	TXV built-in	215560584	1000	34400	11.2	13.4
MOVA-36CN10-M134L	MC**4860CN10TH	TXV built-in	215560492	1000	34400	11.2	13.4
MOVA-36CN10-M134L	MC**4248DN10TH	TXV built-in	215560491	1000	34200	11.2	13.4

Condenser Model	Coil Model	Throttle Value	ARHI Ref. No	Total Cooling Full Load Air Volume Rate (SCFM)	Cooling Capacity at 95F	EER2 at 95F	SEER2
MOVA-36CN10-M134L	MC**4248CN10TH	TXV built-in	215560490	1000	34200	11.2	13.4
MOVA-36CN10-M134L	MC**4248BN10TH	TXV built-in	215560489	1000	34200	11.2	13.4
MOVA-36CN10-M134L	MC**3642DN10TH	TXV built-in	215560488	1000	33800	11.2	13.4
MOVA-36CN10-M134L	MC**3642CN10TH	TXV built-in	215560487	1000	33800	11.2	13.4
MOVA-36CN10-M134L	MC**3642BN10TH	TXV built-in	215560486	1000	33800	11.2	13.4
MOVA-36CN10-M134L	MC**3036BN10TH	TXV built-in	215560485	900	33600	11.2	13.4
MOVA-36CN10-M134L	MC**3036AN10TH	TXV built-in	215560484	900	33600	11.2	13.4
MOVA-36CN10-M134L	MC**3036CN10TH	TXV built-in	215560483	900	33600	11.2	13.4

3.5 tons Condensers

Condenser Model	Coil Model	Throttle Value	ARHI Ref. No	Total Cooling Full Load Air Volume Rate (SCFM)	Cooling Capacity at 95F	EER2 at 95F	SEER2
MOVA-42CN10-M134L	MC**4248BN10OH	TXV field installed	214836848	1150	41000	11.2	13.4
MOVA-42CN10-M134L	MC**4248DN10OH	TXV field installed	214836889	1150	41000	11.2	13.4
MOVA-42CN10-M134L	MC**4248CN10OH	TXV field installed	214836890	1150	41000	11.2	13.4
MOVA-42CN10-M134L	MC**4860CN10OH	#72 orifice	214836891	1050	41000	11.2	13.4
MOVA-42CN10-M134L	MC**4860DN10OH	#72 orifice	214836892	1050	41000	11.2	13.4
MOVA-42CN10-M134L	MC**4860DN10TH	TXV built-in	215560528	1050	41000	11.2	13.4
MOVA-42CN10-M134L	MC**4860CN10TH	TXV built-in	215560527	1050	41000	11.2	13.4
MOVA-42CN10-M134L	MC**4248CN10TH	TXV built-in	215560526	1150	41000	11.2	13.4
MOVA-42CN10-M134L	MC**4248BN10TH	TXV built-in	215560525	1150	41000	11.2	13.4
MOVA-42CN10-M134L	MC**4248DN10TH	TXV built-in	215560524	1150	41000	11.2	13.4

14.3 SEER2 Air Conditioner

4.0 tons Condensers

Condenser Model	Coil Model	Throttle Value	ARHI Ref. No	Total Cooling Full Load Air Volume Rate (SCFM)	Cooling Capacity at 95F	EER2 at 95F	SEER2
MOVA-48CN10-M134L	MC**4860CN10OH	#72 orifice	214836849	1200	45000	11.2	13.4
MOVA-48CN10-M134L	MC**4860DN10OH	#72 orifice	214836897	1200	45000	11.2	13.4
MOVA-48CN10-M134L	MC**4860CN10TH	TXV built-in	215560556	1200	45000	11.2	13.4
MOVA-48CN10-M134L	MC**4860DN10TH	TXV built-in	215560555	1200	45000	11.2	13.4

5.0 tons Condensers

Condenser Model	Coil Model	Throttle Value	ARHI Ref. No	Total Cooling Full Load Air Volume Rate (SCFM)	Cooling Capacity at 95F	EER2 at 95F	SEER2
MOVA-60CN10-M134L	MC**4860CN10OH	TXV filed installed	214836850	1400	54000	11.2	13.4
MOVA-60CN10-M134L	MC**4860DN10OH	TXV filed installed	214836900	1400	54000	11.2	13.4
MOVA-60CN10-M134L	MC**4860CN10TH	TXV built-in	215560570	1400	54000	11.2	13.4
MOVA-60CN10-M134L	MC**4860DN10TH	TXV built-in	215560569	1400	54000	11.2	13.4

1.5 tons Condensers

Condenser Model	Coil Model	Throttle Value	ARHI Ref. No	Total Cooling Full Load Air Volume Rate (SCFM)	Cooling Capacity at 95F	EER2 at 95F	SEER2
MOVA-18CN10-M152G	MC**3036AN10OH	#47 orifice	214825976	600	17800	11.7	14.3
MOVA-18CN10-M152G	MC**3642BN10OH	#49 orifice	214825986	600	18000	11.7	14.3
MOVA-18CN10-M152G	MC**3642CN10OH	#49 orifice	214825987	600	18000	11.7	14.3
MOVA-18CN10-M152G	MC**3036CN10OH	#49 orifice	214825988	600	17800	11.7	14.3
MOVA-18CN10-M152G	MC**3036BN10OH	#49 orifice	214825989	600	17800	11.7	14.3
MOVA-18CN10-M152G	MC**4248BN10OH	#49 orifice	214825990	600	18000	11.7	14.3
MOVA-18CN10-M152G	MC**4248CN10OH	#49 orifice	214825991	600	18000	11.7	14.3
MOVA-18CN10-M152G	MC**4248CN10TH	TXV built-in	215569899	600	18000	11.7	14.3
MOVA-18CN10-M152G	MC**4248BN10TH	TXV built-in	215569898	600	18000	11.7	14.3
MOVA-18CN10-M152G	MC**3036BN10TH	TXV built-in	215569897	600	17800	11.7	14.3
MOVA-18CN10-M152G	MC**3036AN10TH	TXV built-in	215569896	600	17800	11.7	14.3
MOVA-18CN10-M152G	MC**3036CN10TH	TXV built-in	215569895	600	17800	11.7	14.3
MOVA-18CN10-M152G	MC**3642CN10TH	TXV built-in	215569894	600	18000	11.7	14.3
MOVA-18CN10-M152G	MC**3642BN10TH	TXV built-in	215569893	600	18000	11.7	14.3

2.0 tons Condensers

Condenser Model	Coil Model	Throttle Value	ARHI Ref. No	Total Cooling Full Load Air Volume Rate (SCFM)	Cooling Capacity at 95F	EER2 at 95F	SEER2
MOVA-24CN10-M152G	MC**3036AN10OH	#56 orifice	214825977	700	23800	11.7	14.3
MOVA-24CN10-M152G	MC**3036CN10OH	#56 orifice	214825992	700	23800	11.7	14.3
MOVA-24CN10-M152G	MC**3642BN10OH	#56 orifice	214825993	700	23800	11.7	14.3
MOVA-24CN10-M152G	MC**3642CN10OH	#56 orifice	214825994	700	23800	11.7	14.3
MOVA-24CN10-M152G	MC**3036BN10OH	#56 orifice	214826000	700	23800	11.7	14.3
MOVA-24CN10-M152G	MC**4248BN10OH	#56 orifice	214826001	700	23200	11.7	14.3
MOVA-24CN10-M152G	MC**4248CN10OH	#56 orifice	214826002	700	23200	11.7	14.3
MOVA-24CN10-M152G	MC**4248CN10TH	TXV built-in	215569933	700	23200	11.7	14.3
MOVA-24CN10-M152G	MC**4248BN10TH	TXV built-in	215569932	700	23200	11.7	14.3
MOVA-24CN10-M152G	MC**3036BN10TH	TXV built-in	215569931	700	23800	11.7	14.3
MOVA-24CN10-M152G	MC**3036AN10TH	TXV built-in	215569930	700	23800	11.7	14.3
MOVA-24CN10-M152G	MC**3642CN10TH	TXV built-in	215569924	700	23800	11.7	14.3
MOVA-24CN10-M152G	MC**3642BN10TH	TXV built-in	215569923	700	23800	11.7	14.3
MOVA-24CN10-M152G	MC**3036CN10TH	TXV built-in	215569922	700	23800	11.7	14.3

2.5 tons Condensers

Condenser Model	Coil Model	Throttle Value	ARHI Ref. No	Total Cooling Full Load Air Volume Rate (SCFM)	Cooling Capacity at 95F	EER2 at 95F	SEER2
MOVA-30CN10-M152G	MC**3036AN10OH	#63 orifice	214825978	900	28000	11.7	14.3
MOVA-30CN10-M152G	MC**3036CN10OH	#63 orifice	214826003	900	28000	11.7	14.3
MOVA-30CN10-M152G	MC**3642BN10OH	TXV field installed	214826004	900	28200	11.7	14.3
MOVA-30CN10-M152G	MC**3642CN10OH	TXV field installed	214826005	900	28200	11.7	14.3
MOVA-30CN10-M152G	MC**4248BN10OH	#63 orifice	214826006	900	28400	11.7	14.3
MOVA-30CN10-M152G	MC**4248CN10OH	#63 orifice	214826007	900	28400	11.7	14.3
MOVA-30CN10-M152G	MC**3036BN10OH	#63 orifice	214826012	900	28000	11.7	14.3
MOVA-30CN10-M152G	MC**3036BN10TH	TXV built-in	215569967	900	28000	11.7	14.3
MOVA-30CN10-M152G	MC**3036AN10TH	TXV built-in	215569966	900	28000	11.7	14.3
MOVA-30CN10-M152G	MC**4248CN10TH	TXV built-in	215569961	900	28400	11.7	14.3
MOVA-30CN10-M152G	MC**4248BN10TH	TXV built-in	215569960	900	28400	11.7	14.3
MOVA-30CN10-M152G	MC**3642CN10TH	TXV built-in	215569959	900	28200	11.7	14.3
MOVA-30CN10-M152G	MC**3642BN10TH	TXV built-in	215569958	900	28200	11.7	14.3
MOVA-30CN10-M152G	MC**3036CN10TH	TXV built-in	215569957	900	28000	11.7	14.3

3.0 tons Condensers

Condenser Model	Coil Model	Throttle Value	ARHI Ref. No	Total Cooling Full Load Air Volume Rate (SCFM)	Cooling Capacity at 95F	EER2 at 95F	SEER2
MOVA-36CN10-M152L	MC**3036AN10OH	TXV field installed	214825979	1100	33600	11.7	14.3
MOVA-36CN10-M152L	MC**3036CN10OH	TXV field installed	214826013	1100	33600	11.7	14.3
MOVA-36CN10-M152L	MC**3642BN10OH	TXV field installed	214826014	1050	33600	11.7	14.3
MOVA-36CN10-M152L	MC**3642CN10OH	TXV field installed	214826015	1050	33600	11.7	14.3
MOVA-36CN10-M152L	MC**3642DN10OH	TXV field installed	214826016	1050	33600	11.7	14.3
MOVA-36CN10-M152L	MC**4248BN10OH	TXV field installed	214826017	1000	33800	11.7	14.3
MOVA-36CN10-M152L	MC**4248CN10OH	TXV field installed	214826018	1000	33800	11.7	14.3
MOVA-36CN10-M152L	MC**4248DN10OH	TXV field installed	214826019	1000	33800	11.7	14.3
MOVA-36CN10-M152L	MC**4860CN10OH	#68 orifice	214826020	1100	34400	11.7	14.3
MOVA-36CN10-M152L	MC**3036BN10OH	TXV field installed	214826025	1100	33600	11.7	14.3
MOVA-36CN10-M152L	MC**4860DN10OH	#68 orifice	214826027	1100	35800	11.7	14.3
MOVA-36CN10-M152L	MC**4860DN10TH	TXV built-in	215570041	1100	35800	11.7	14.3
MOVA-36CN10-M152L	MC**3036BN10TH	TXV built-in	215570009	1100	33600	11.7	14.3
MOVA-36CN10-M152L	MC**3036AN10TH	TXV built-in	215570008	1100	33600	11.7	14.3
MOVA-36CN10-M152L	MC**4860CN10TH	TXV built-in	215570003	1100	34400	11.7	14.3
MOVA-36CN10-M152L	MC**4248DN10TH	TXV built-in	215570002	1000	33800	11.7	14.3
MOVA-36CN10-M152L	MC**4248CN10TH	TXV built-in	215570001	1000	33800	11.7	14.3
MOVA-36CN10-M152L	MC**4248BN10TH	TXV built-in	215570000	1000	33800	11.7	14.3
MOVA-36CN10-M152L	MC**3642DN10TH	TXV built-in	215569999	1050	33600	11.7	14.3
MOVA-36CN10-M152L	MC**3642CN10TH	TXV built-in	215569998	1050	33600	11.7	14.3
MOVA-36CN10-M152L	MC**3642BN10TH	TXV built-in	215569997	1050	33600	11.7	14.3
MOVA-36CN10-M152L	MC**3036CN10TH	TXV built-in	215569996	1100	33600	11.7	14.3

3.5 tons Condensers

Condenser Model	Coil Model	Throttle Value	ARHI Ref. No	Total Cooling Full Load Air Volume Rate (SCFM)	Cooling Capacity at 95F	EER2 at 95F	SEER2
MOVA-42CN10-M152L	MC**4248BN10OH	TXV field installed	214825980	1100	41000	11.7	14.3
MOVA-42CN10-M152L	MC**4248DN10OH	TXV field installed	214826029	1100	41000	11.7	14.3
MOVA-42CN10-M152L	MC**4860CN10OH	#72 orifice	214826030	1100	41000	11.7	14.3
MOVA-42CN10-M152L	MC**4860DN10OH	#72 orifice	214826031	1100	41000	11.7	14.3
MOVA-42CN10-M152L	MC**4248CN10OH	TXV field installed	214826035	1100	41000	11.7	14.3
MOVA-42CN10-M152L	MC**4248CN10TH	TXV built-in	215570063	1100	41000	11.7	14.3
MOVA-42CN10-M152L	MC**4248BN10TH	TXV built-in	215570062	1100	41000	11.7	14.3
MOVA-42CN10-M152L	MC**4860DN10TH	TXV built-in	215570058	1100	41000	11.7	14.3
MOVA-42CN10-M152L	MC**4860CN10TH	TXV built-in	215570057	1100	41000	11.7	14.3
MOVA-42CN10-M152L	MC**4248DN10TH	TXV built-in	215570056	1100	41000	11.7	14.3

4.0 tons Condensers

Condenser Model	Coil Model	Throttle Value	ARHI Ref. No	Total Cooling Full Load Air Volume Rate (SCFM)	Cooling Capacity at 95F	EER2 at 95F	SEER2
MOVA-48CN10-M152L	MC**4860CN10OH	#72 orifice	214825981	1200	45000	11.2	13.8
MOVA-48CN10-M152L	MC**4860DN10OH	#72 orifice	214826039	1200	45000	11.2	13.8
MOVA-48CN10-M152L	MC**4860CN10TH	TXV built-in	215570098	1200	45000	11.2	13.8
MOVA-48CN10-M152L	MC**4860DN10TH	TXV built-in	215570094	1200	45000	11.2	13.8

5.0 tons Condensers

Condenser Model	Coil Model	Throttle Value	ARHI Ref. No	Total Cooling Full Load Air Volume Rate (SCFM)	Cooling Capacity at 95F	EER2 at 95F	SEER2
MOVA-60CN10-M152L	MC**4860CN10OH	TXV field installed	214825982	1400	54000	11.2	13.8
MOVA-60CN10-M152L	MC**4860DN10OH	TXV field installed	214826046	1400	54000	11.2	13.8
MOVA-60CN10-M152L	MC**4860CN10TH	TXV built-in	215570122	1400	54000	11.2	13.8
MOVA-60CN10-M152L	MC**4860DN10TH	TXV built-in	215570119	1400	54000	11.2	13.8

WALL-MOUNTED AIR HANDLER SELECTION



Air Conditioner

MHVP Air Handler (PSC Motor)

13.4 SEER2 Condensers

Condenser Model	Wall-mounted Model	Throttle Value	ARHI Ref. No	Total Cooling Full Load Air Volume Rate (SCFM)	Cooling Capacity at 95F	EER2 at 95F	SEER2
MOVA-18CN10-M134G	MHVP24A1MN10OB	TXV field installed	215212755	630	630	11.2	13.4
MOVA-18CN10-M134G	MHVP18A1MN10OB	TXV field installed	215212756	500	500	11.2	13.4
MOVA-24CN10-M134G	MHVP24A1MN10OB	#56 orifice	215212773	630	630	11.2	13.4
MOVA-24CN10-M134G	MHVP18A1MN10OB	#56 orifice	215212774	610	610	11.2	13.4
MOVA-24CN10-M134G	MHVP30B1MN10OB	#56 orifice	215212775	790	790	11.2	13.4
MOVA-30CN10-M134G	MHVP24A1MN10OB	TXV field installed	215212792	730	730	11.2	13.4
MOVA-30CN10-M134G	MHVP30B1MN10OB	#58 orifice	215212793	970	970	11.2	13.4
MOVA-30CN10-M134G	MHVP36B1MN10OB	#58 orifice	215212794	940	940	11.2	13.4
MOVA-36CN10-M134L	MHVP36B1MN10OB	#65 orifice	215212824	1080	1080	11.2	13.4
MOVA-36CN10-M134L	MHVP30B1MN10OB	#65 orifice	215212825	970	970	11.2	13.4

15.2 SEER2 Condensers

Condenser Model	Wall-mounted Model	Throttle Value	ARHI Ref. No	Total Cooling Full Load Air Volume Rate (SCFM)	Cooling Capacity at 95F	EER2 at 95F	SEER2
MOVA-18CN10-M152G	MHVP18A1MN10OB	#47 orifice	215213131	500	17800	11.7	14.3
MOVA-18CN10-M152G	MHVP24A1MN10OB	#49 orifice	215213132	630	18200	11.7	14.3
MOVA-24CN10-M152G	MHVP30B1MN10OB	TXV field installed	215213141	790	24000	11.7	14.3
MOVA-30CN10-M152G	MHVP30B1MN10OB	#63 orifice	215213181	970	28400	11.7	14.3
MOVA-30CN10-M152G	MHVP36B1MN10OB	#63 orifice	215213182	940	28400	11.7	14.3

MHVE Air Handler (ECM Motor)

13.4 SEER2 Condensers

Condenser Model	Wall-mounted Model	Throttle Value	ARHI Ref. No	Total Cooling Full Load Air Volume Rate (SCFM)	Cooling Capacity at 95F	EER2 at 95F	SEER2
MOVA-18CN10-M134G	MHVE24A1MN10TB	TXV built-in	215493766	550	18000	11.2	13.4
MOVA-24CN10-M134G	MHVE24A1MN10TB	TXV built-in	215212776	650	23200	11.2	13.4
MOVA-24CN10-M134G	MHVE30B1MN10TB	TXV built-in	215493769	800	24000	11.2	13.4
MOVA-24CN10-M134G	MHVE36B1MN10TB	TXV built-in	215493770	800	24800	11.2	13.4
MOVA-30CN10-M134G	MHVE24A1MN10TB	TXV built-in	215212795	750	27000	11.2	13.4
MOVA-30CN10-M134G	MHVE30B1MN10TB	TXV built-in	215493772	800	27200	11.2	13.4
MOVA-30CN10-M134G	MHVE36B1MN10TB	TXV built-in	215493773	800	28800	11.2	13.4
MOVA-36CN10-M134L	MHVE30B1MN10TB	TXV built-in	215493777	900	34600	11.2	13.4
MOVA-36CN10-M134L	MHVE36B1MN10TB	TXV built-in	215493778	900	34600	11.2	13.4

15.2 SEER2 Condensers

Condenser Model	Wall-mounted Model	Throttle Value	ARHI Ref. No	Total Cooling Full Load Air Volume Rate (SCFM)	Cooling Capacity at 95F	EER2 at 95F	SEER2
MOVA-18CN10-M152G	MHVE24A1MN10TB	TXV built-in	215213105	550	18000	12	15.2
MOVA-18CN10-M152G	MHVE18A1MN10TB	TXV built-in	215213130	550	18000	12	15.2
MOVA-24CN10-M152G	MHVE24A1MN10TB	TXV built-in	215213142	650	23200	11.7	14.3
MOVA-24CN10-M152G	MHVE30B1MN10TB	TXV built-in	215213143	800	24000	12	15.2
MOVA-24CN10-M152G	MHVE18A1MN10TB	TXV built-in	215213168	650	23200	11.7	14.3
MOVA-24CN10-M152G	MHVE36B1MN10TB	TXV built-in	215213169	800	24000	12	15.2
MOVA-30CN10-M152G	MHVE30B1MN10TB	TXV built-in	215213183	800	28800	12	15.2
MOVA-30CN10-M152G	MHVE24A1MN10TB	TXV built-in	215213184	750	27200	11.7	14.3
MOVA-30CN10-M152G	MHVE36B1MN10TB	TXV built-in	215213185	800	28800	12	15.2
MOVA-36CN10-M152L	MHVE36B1MN10TB	TXV built-in	215213226	900	34800	11.7	14.3
MOVA-36CN10-M152L	MHVE30B1MN10TB	TXV built-in	215213227	900	34800	11.7	14.3

Heat Pump

MHVP Air Handler (PSC Motor)

15.2 SEER2 Heat Pumps

Condenser Model	Wall-mounted Model	Throttle Value	ARHI Ref. No	Cooling Capacity at 95F	EER2 at 95F	SEER2	Heating Capacity at 95F	HSPF2
MMOVA-24HN10-M152L	MHVP30B1MN100B	TXV field installed	215212630	23000	11.7	14.3	122800	7.5
MOVA-18HN10-M152L	MHVP18A1MN100B	TXV field installed	215213685	17500	11.7	14.3	17600	7.5
MOVA-18HN10-M152L	MHVP24A1MN100B	TXV field installed	215213686	18000	11.7	14.3	17600	7.5

MHVE Air Handler (ECM Motor)

15.2 SEER2 Heat Pumps

Condenser Model	Wall-mounted Model	Throttle Value	ARHI Ref. No	Cooling Capacity at 95F	EER2 at 95F	SEER2	Heating Capacity at 95F	HSPF2
MOVA-24HN10-M152L	MHVE24A1MN10TB	TXV built-in	215212631	22200	11.7	14.3	22200	7.5
MOVA-24HN10-M152L	MHVE30B1MN10TB	TXV built-in	215212632	23000	12	15.2	22200	7.8
MOVA-24HN10-M152L	MHVE18A1MN10TB	TXV built-in	215212650	22200	11.7	14.3	22200	7.5
MOVA-24HN10-M152L	MHVE36B1MN10TB	TXV built-in	215212651	23000	12	15.2	22200	7.8
MOVA-30HN10-M152L	MHVE30B1MN10TB	TXV built-in	215212661	26600	12	15.2	25800	7.8
MOVA-30HN10-M152L	MHVE36B1MN10TB	TXV built-in	215212662	26600	12	15.2	25800	7.8
MOVA-36HN10-M152L	MHVE36B1MN10TB	TXV built-in	215212702	32800	11.7	14.3	34200	7.5
MOVA-36HN10-M152L	MHVE30B1MN10TB	TXV built-in	215212703	32800	11.7	14.3	34200	7.5
MOVA-18HN10-M152L	MHVE24A1MN10TB	TXV built-in	215213680	18000	12	15.2	17300	7.8
MOVA-18HN10-M152L	MHVE18A1MN10TB	TXV built-in	215213684	18000	12	15.2	16500	7.8

CEILING-MOUNTED UNIT SELECTION



Air Conditioner

MPUP Uncased Ceiling-Mounted Unit (PSC Motor)

Condenser Model	Wall-mounted Model	Throttle Value	ARHI Ref. No	Total Cooling Full Load Air Volume Rate (SCFM)	Cooling Capacity at 95F	EER2 at 95F	SEER2
MOVA-18CN10-M152G	MPUP24A1MN10TA	TXV built-in	215493789	460	17800	12	15.2
MOVA-18CN10-M152G	MPUP18A1MN10TA	TXV built-in	215493788	460	17800	12	15.2
MOVA-18CN10-M152G	MPUP24A1MN10TB	TXV built-in	215213134	460	17800	12	15.2
MOVA-18CN10-M152G	MPUP18A1MN10TB	TXV built-in	215213133	460	17800	12	15.2
MOVA-24CN10-M152G	MPUP36B1MN10TB	TXV built-in	215213171	860	23000	11.7	14.3
MOVA-24CN10-M152G	MPUP30B1MN10TB	TXV built-in	215213170	860	23000	11.7	14.3
MOVA-30CN10-M152G	MPUP36B1MN10TB	TXV built-in	215213216	860	27000	11.7	14.3
MOVA-30CN10-M152G	MPUP30B1MN10TB	TXV built-in	215213215	860	27000	11.7	14.3

MPUE Uncased Ceiling-Mounted Unit (ECM Motor)

Condenser Model	Wall-mounted Model	Throttle Value	ARHI Ref. No	Total Cooling Full Load Air Volume Rate (SCFM)	Cooling Capacity at 95F	EER2 at 95F	SEER2
MOVA-18CN10-M152G	MPUE36B1MN10TA	TXV built-in	215493793	510	18000	12	15.2
MOVA-18CN10-M152G	MPUE30B1MN10TA	TXV built-in	215493792	510	18000	12	15.2
MOVA-18CN10-M152G	MPUE24A1MN10TA	TXV built-in	215493791	530	18400	12	16
MOVA-18CN10-M152G	MPUE18A1MN10TA	TXV built-in	215493790	530	18400	12	16
MOVA-18CN10-M152G	MPUE36B1MN10TB	TXV built-in	215213138	510	18000	12	15.2
MOVA-18CN10-M152G	MPUE30B1MN10TB	TXV built-in	215213137	510	18000	12	15.2
MOVA-18CN10-M152G	MPUE24A1MN10TB	TXV built-in	215213136	530	18400	12	16
MOVA-18CN10-M152G	MPUE18A1MN10TB	TXV built-in	215213135	530	18400	12	16
MOVA-24CN10-M152G	MPUE36B1MN10TA	TXV built-in	215493801	700	23000	12	15.2
MOVA-24CN10-M152G	MPUE30B1MN10TA	TXV built-in	215493800	700	23000	12	15.2
MOVA-24CN10-M152G	MPUE24A1MN10TA	TXV built-in	215493799	680	23000	12	15.2

Condenser Model	Wall-mounted Model	Throttle Value	ARHI Ref. No	Total Cooling Full Load Air Volume Rate (SCFM)	Cooling Capacity at 95F	EER2 at 95F	SEER2
MOVA-24CN10-M152G	MPUE18A1MN10TA	TXV built-in	215493798	680	23000	12	15.2
MOVA-24CN10-M152G	MPUE36B1MN10TB	TXV built-in	215213177	700	23000	12	15.2
MOVA-24CN10-M152G	MPUE30B1MN10TB	TXV built-in	215213176	700	23000	12	15.2
MOVA-24CN10-M152G	MPUE24A1MN10TB	TXV built-in	215213175	680	23000	12	15.2
MOVA-24CN10-M152G	MPUE18A1MN10TB	TXV built-in	215213174	680	23000	12	15.2
MOVA-30CN10-M152G	MPUE36B1MN10TA	TXV built-in	215493808	870	27000	12	15.2
MOVA-30CN10-M152G	MPUE30B1MN10TA	TXV built-in	215493807	870	27000	12	15.2
MOVA-30CN10-M152G	MPUE24A1MN10TA	TXV built-in	215493806	820	27000	12	15.2
MOVA-30CN10-M152G	MPUE18A1MN10TA	TXV built-in	215493805	820	27000	12	15.2
MOVA-30CN10-M152G	MPUE36B1MN10TB	TXV built-in	215213222	870	27000	12	15.2
MOVA-30CN10-M152G	MPUE30B1MN10TB	TXV built-in	215213221	870	27000	12	15.2
MOVA-30CN10-M152G	MPUE24A1MN10TB	TXV built-in	215213220	820	27000	12	15.2
MOVA-30CN10-M152G	MPUE18A1MN10TB	TXV built-in	215213219	820	27000	12	15.2
MOVA-36CN10-M152L	MPUE36B1MN10TB	TXV built-in	215213262	1160	33200	11.7	14.3
MOVA-36CN10-M152L	MPUE30B1MN10TB	TXV built-in	215213261	1160	33200	11.7	14.3
MOVA-36CN10-M152L	MPUE24A1MN10TB	TXV built-in	215213260	940	32800	11.7	14.3
MOVA-36CN10-M152L	MPUE18A1MN10TB	TXV built-in	215213259	940	32800	11.7	14.3

MPCP Cased Ceiling-Mounted Unit (PSC Motor)

Condenser Model	Wall-mounted Model	Throttle Value	ARHI Ref. No	Total Cooling Full Load Air Volume Rate (SCFM)	Cooling Capacity at 95F	EER2 at 95F	SEER2
MOVA-24CN10-M152G	MPCP36B1MN10TB	TXV built-in	215213173	860	23000	11.7	14.3
MOVA-24CN10-M152G	MPCP30B1MN10TB	TXV built-in	215213172	860	23000	11.7	14.3
MOVA-30CN10-M152G	MPCP36B1MN10TB	TXV built-in	215213218	860	27000	11.7	14.3
MOVA-30CN10-M152G	MPCP30B1MN10TB	TXV built-in	215213217	860	27000	11.7	14.3

Heat Pump

MPUP Uncased Ceiling-Mounted Unit (PSC Motor)

Condenser Model	Wall-mounted Model	Throttle Value	ARHI Ref. No	Total Cooling Full Load Air Volume Rate (SCFM)	Cooling Capacity at 95F	EER2 at 95F	SEER2
MOVA-18CN10-M152G	MPCE36B1MN10TB	TXV built-in	215213140	520	18000	12	15.2
MOVA-18CN10-M152G	MPCE24A1MN10TB	TXV built-in	215213139	670	18900	12	16
MOVA-18CN10-M152G	MPCE30B1MN10TB	TXV built-in	215213107	520	18000	12	15.2
MOVA-18CN10-M152G	MPCE18A1MN10TB	TXV built-in	215213106	670	18000	12	16
MOVA-24CN10-M152G	MPCE36B1MN10TB	TXV built-in	215213179	850	23000	12	15.2
MOVA-24CN10-M152G	MPCE18A1MN10TB	TXV built-in	215213178	820	23000	12	15.2
MOVA-24CN10-M152G	MPCE30B1MN10TB	TXV built-in	215213145	850	23000	12	15.2
MOVA-24CN10-M152G	MPCE24A1MN10TB	TXV built-in	215213144	820	23000	12	15.2
MOVA-30CN10-M152G	MPCE36B1MN10TB	TXV built-in	215213225	1000	27200	12	15.2
MOVA-30CN10-M152G	MPCE24A1MN10TB	TXV built-in	215213224	820	27000	12	15.2
MOVA-30CN10-M152G	MPCE18A1MN10TB	TXV built-in	215213223	820	27000	12	15.2
MOVA-30CN10-M152G	MPCE30B1MN10TB	TXV built-in	215213186	1000	27200	12	15.2
MOVA-36CN10-M152L	MPCE30B1MN10TB	TXV built-in	215213265	1090	33000	11.7	14.3
MOVA-36CN10-M152L	MPCE24A1MN10TB	TXV built-in	215213264	950	32800	11.7	14.3
MOVA-36CN10-M152L	MPCE18A1MN10TB	TXV built-in	215213263	950	32800	11.7	14.3
MOVA-36CN10-M152L	MPCE36B1MN10TB	TXV built-in	215213228	1090	33000	11.7	14.3

MPUP Uncased Ceiling-Mounted Unit (PSC Motor)

Condenser Model	Wall-mounted Model	Throttle Value	ARHI Ref. No	Cooling Capacity at 95F	EER2 at 95F	SEER2	Heating Capacity at 95F	HSPF2
MOVA-24HN10-M152L	MPUP36B1MN10TA	TXV built-in	215493880	23000	11.7	14.3	22800	7.5
MOVA-24HN10-M152L	MPUP30B1MN10TA	TXV built-in	215493879	23000	11.7	14.3	22800	7.5

MPUE Uncased Ceiling-Mounted Unit (ECM Motor)

Condenser Model	Wall-mounted Model	Throttle Value	ARHI Ref. No	Cooling Capacity at 95F	EER2 at 95F	SEER2	Heating Capacity at 95F	HSPF2
MOVA-18HN10-M152L	MPUE36B1MN10TA	TXV built-in	215493874	18000	12	15.2	16500	7.8
MOVA-18HN10-M152L	MPUE30B1MN10TA	TXV built-in	215493873	18000	12	15.2	16500	7.8
MOVA-18HN10-M152L	MPUE36B1MN10TB	TXV built-in	215213688	18000	12	15.2	16500	7.8
MOVA-18HN10-M152L	MPUE30B1MN10TB	TXV built-in	215213687	18000	12	15.2	16500	7.8
MOVA-24HN10-M152L	MPUE36B1MN10TA	TXV built-in	215493884	23000	12	15.2	22000	7.8
MOVA-24HN10-M152L	MPUE30B1MN10TA	TXV built-in	215493883	23000	12	15.2	22000	7.8
MOVA-24HN10-M152L	MPUE36B1MN10TB	TXV built-in	215212658	23000	12	15.2	22000	7.8
MOVA-24HN10-M152L	MPUE30B1MN10TB	TXV built-in	215212657	23000	12	15.2	22000	7.8
MOVA-30HN10-M152L	MPUE36B1MN10TA	TXV built-in	215493887	27800	12	15.2	24800	7.8
MOVA-30HN10-M152L	MPUE30B1MN10TA	TXV built-in	215493886	27400	12	15.2	24600	7.8
MOVA-30HN10-M152L	MPUE36B1MN10TB	TXV built-in	215212696	27800	12	15.2	24800	7.8
MOVA-30HN10-M152L	MPUE30B1MN10TB	TXV built-in	215212695	27400	12	15.2	24600	7.8
MOVA-36HN10-M152L	MPUE36B1MN10TB	TXV built-in	215212712	34200	11.7	14.3	34200	7.5
MOVA-36HN10-M152L	MPUE30B1MN10TB	TXV built-in	215212711	34200	11.7	14.3	34200	7.5

MPCP Cased Ceiling-Mounted Unit (PSC Motor)

Condenser Model	Wall-mounted Model	Throttle Value	ARHI Ref. No	Cooling Capacity at 95F	EER2 at 95F	SEER2	Heating Capacity at 95F	HSPF2
MOVA-24HN10-M152L	MPUP36B1MN10TA	TXV built-in	215493882	23000	11.7	14.3	22800	7.5
MOVA-24HN10-M152L	MPUP30B1MN10TA	TXV built-in	215493881	23000	11.7	14.3	22800	7.5

MPCE Cased Ceiling-Mounted Unit (ECM Motor)

Condenser Model	Wall-mounted Model	Throttle Value	ARHI Ref. No	Cooling Capacity at 95F	EER2 at 95F	SEER2	Heating Capacity at 95F	HSPF2
MOVA-18HN10-M152L	MPCE36B1MN10TA	TXV built-in	215493876	18000	12	15.2	16600	7.8
MOVA-18HN10-M152L	MPCE30B1MN10TA	TXV built-in	215493875	18000	12	15.2	16600	7.8
MOVA-18HN10-M152L	MPCE36B1MN10TB	TXV built-in	215213690	18000	12	15.2	16600	7.8
MOVA-18HN10-M152L	MPCE30B1MN10TB	TXV built-in	215213689	18000	12	15.2	16600	7.8
MOVA-24HN10-M152L	MPCE36B1MN10TA	TXV built-in	215493878	23000	12	15.2	22400	7.8
MOVA-24HN10-M152L	MPCE30B1MN10TA	TXV built-in	215493877	23000	12	15.2	22400	7.8
MOVA-24HN10-M152L	MPCE36B1MN10TB	TXV built-in	215212652	23000	12	15.2	22400	7.8
MOVA-24HN10-M152L	MPCE30B1MN10TB	TXV built-in	215212633	23000	12	15.2	22400	7.8
MOVA-30HN10-M152L	MPCE30B1MN10TA	TXV built-in	215493885	27000	12	15.2	25800	7.8
MOVA-30HN10-M152L	MPCE36B1MN10TB	TXV built-in	215212697	27800	11.7	14.3	24800	7.5
MOVA-30HN10-M152L	MPCE30B1MN10TB	TXV built-in	215212663	27000	12	15.2	25800	7.8
MOVA-36HN10-M152L	MPCE30B1MN10TB	TXV built-in	215212713	34200	11.7	14.3	34000	7.5
MOVA-36HN10-M152L	MPCE36B1MN10TB	TXV built-in	215212704	32800	11.7	14.3	33800	7.5

PACKAGED UNITS



MRC- Series



Side Discharge 13.4 SEER Package Heat Pump

Capacity	Wall-mounted Model	Throttle Value	ARHI Ref. No	Cooling Capacity at 95F	EER2 at 95F	SEER2	Heating Capacity at 95F	HSPF2
2 ton	MRC-24HWN10-M134G	042H/C055 Two-way Throttle Value	216019268	22800	11	13.4	22400	6.7
2.5 ton	MRC-30HWN10-M134G	046H/C059 Two-way Throttle Value	216019269	28200	11	13.4	27600	6.7
3ton	MRC-36HWN10-M134L	052H/C062 Two-way Throttle Value	216019270	34200	11.2	13.4	34200	6.7
3.5 ton	MRC-42HWN10-M134L	054H/C070 Two-way Throttle Value	216019271	40500	11.2	13.4	40500	6.7
4 ton	MRC-48HWN10-M134L	060H/C073 Two-way Throttle Value	216019272	46500	11.4	13.4	46000	6.7
5ton	MRC-60HWN10-M134L	064H/C078 Two-way Throttle Value	216019273	56500	11	13.4	56000	6.7

MRD-Series



Dual Discharge 13.4 SEER Package

Capacity	Wall-mounted Model	Throttle Value	ARHI Ref. No	Cooling Capacity at 95F	EER2 at 95F	SEER2	Heating Capacity at 95F	HSPF2
2 ton	MRD-24HWN10-M134G	042H/C057 Two-way Throttle Value	216439026	22800	11	13.4	22800	6.7
2.5 ton	MRD-30HWN10-M134G	048H/C060 Two-way Throttle Value	216439027	28200	11	13.4	28200	6.7
3ton	MRD-36HWN10-M134G	050H/C064 Two-way Throttle Value	216439028	34000	11	13.4	34200	6.7
3.5 ton	MRD-42HWN10-M134G	056H/C072 Two-way Throttle Value	216439029	40000	11	13.4	40000	6.7
4 ton	MRD-48HWN10-M134L	058H/C076 Two-way Throttle Value	216439092	45500	11	13.4	46500	6.7
5ton	MRD-60HWN10-M134L	068H/C085 Two-way Throttle Value	216439093	56000	11	13.4	57000	6.7
5ton	MRD-60HWN10-X134D	066H/C085 Two-way Throttle Value	216439114	55000	11	13.4	57000	6.7

Dual Discharge 13.4 SEER Gas Electric

Capacity	Wall-mounted Model	Field Supply Throttle	ARHI Ref. No	Cooling Capacity at 95F	EER2 at 95F	SEER2
2 ton	MRD-24S***GWN10-M134G	H052 One-way Throttle Value	216020565	22800	11	13.4
2.5 ton	MRD-30S***GWN10-M134G	H056 One-way Throttle Value	216020566	28400	11	13.4
3ton	MRD-36S***GWN10-M134G	H060 One-way Throttle Value	216020637	34000	11	13.4
3.5 ton	MRD-42S***GWN10-M134G	H066 One-way Throttle Value	216020638	40000	11	13.4
4 ton	MRD-48S***GWN10-M134L	H070 One-way Throttle Value	216020639	47000	11	13.4
5ton	MRD-60S***GWN10-M134L	H078 One-way Throttle Value	216020567	57000	11	13.4