



M14 Series Condensing Units

1-1/2 To 5 Ton
14 SEER



Standard Features

- ❖ R410A chlorine-free refrigerant.
- ❖ Energy-efficient compressor.
- ❖ Internally protection against high temperature motor overload conditions.
- ❖ High quality condenser with inner-groove copper tube and aluminum fin.
- ❖ Service valves with sweat connections and easy-access guage ports.
- ❖ Factory-installed high pressure switch for AC and low pressure switch for HP.
- ❖ AHRI certified and ETL listed.

Cabinet Features

- ❖ Unique sound control top design.
- ❖ Compact design, easy installation and transportation.
- ❖ Powder-painted galvanized steel cabinet.
- ❖ Wire fan discharge grille.
- ❖ Steel louver coil guard.

Optional Features

- ❖ Filter drier shipped as accessory.
- ❖ High pressure switch & low pressure service port (HP only).
- ❖ Compressor crankcase heater (HP only).



Specifications - Heat Pump

Model			MOVA-18HN1-M14C	MOVA-24HN1-M14C	MOVA-30HN1-M14C	MOVA-36HN1-M14
Power supply			208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz
Minimum circuit Amp.		A	11.9	17.5	18.7	21.9
Max. overcurrent protection		A	20	30	30	35
Cooling	Capacity	Btu/h	18,000	23,200	29,000	36,000
	SEER	Btu/h.W	14.0	14.0	14.0	14.0
Heating	Capacity	Btu/h	17,200	22,200	28,600	34,600
	HSPF	Btu/h.W	8.2	8.2	8.3	8.3
Compressor type / brand			Scroll / Copeland	Scroll / Copeland	Scroll / Copeland	Scroll / Copeland
Fan motor	Type		PSC	PSC	PSC	PSC
	Rated RPM	r/min	1,075	1,075	825	825
	Rated HP		1/12	1/12	1/6	1/6
Outdoor coil			Copper tube and Aluminum fin			
Air flow		CFM	1,581	1,581	2,999	3,246
Sound pressure level		dB(A)	62	62	64	64
Dimension	Unit (W×H×D)	inch	23-5/8 × 24-15/16 × 23-5/8	23-5/8 × 24-15/16 × 23-5/8	28 × 24-15/16 × 28	29-1/8 × 24-15/16 × 29-1/8
	Packing (W×H×D)	inch	24-7/10 × 26-1/4 × 24-7/10	24-7/10 × 26-1/4 × 24-7/10	29 × 26-1/4 × 29	30-1/5 × 26-1/4 × 30-1/5
Net / Gross weight		lbs	137/143	136/145	161/169	163/172
Refrigerant connection valve	Liquid side	inch	3/8	3/8	3/8	3/8
	Gas side	inch	3/4	3/4	3/4	3/4
Shipping per STD40HQ			228	228	192	180

- Notes:
1. Wire size should be determined in accordance with National Electrical Codes; extensive wire runs will require large wire size.
 2. Must use time-delay fuses or HACR-type circuit breakers of the same size noted.
 3. Always check the rating plate for electrical data on the unit being installed.

Model			MOVA-42HN1-M14	MOVA-48HN1-M14	MOVA-60HN1-M14
Power supply			208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz
Minimum circuit Amp.		A	24.1	29.0	34.7
Max. overcurrent protection		A	40	50	60
Cooling	Capacity	Btu/h	42,000	48,000	57,000
	SEER	Btu/h.W	14.0	14.0	14.0
Heating	Capacity	Btu/h	40,000	47,000	56,000
	HSPF	Btu/h.W	8.3	8.3	8.3
Compressor type / brand			Scroll / Copeland	Scroll / Copeland	Scroll / Copeland
Fan motor	Type		PSC	PSC	PSC
	Rated RPM	r/min	1,075	1,075	1,075
	Rated HP		1/3	1/3	1/3
Outdoor coil			Copper tube and Aluminum fin		
Air flow		CFM	4,219	4,234	4,269
Sound pressure level		dB(A)	67	67	67
Dimension	Unit (W×H×D)	inch	28 × 29-7/8 × 28	28 × 33-3/16 × 28	29-1/8 × 33-3/16 × 29-1/8
	Packing (W×H×D)	inch	29 × 31-1/5 × 29	29 × 34-1/2 × 29	30-1/5 × 34-1/2 × 30-1/5
Net / Gross weight		lbs	198/209	212/223	240/255
Refrigerant connection valve	Liquid side	inch	3/8	3/8	3/8
	Gas side	inch	3/4	7/8	7/8
Shipping per STD40HQ			144	144	135

- Notes:
1. Wire size should be determined in accordance with National Electrical Codes; extensive wire runs will require large wire size.
 2. Must use time-delay fuses or HACR-type circuit breakers of the same size noted.
 3. Always check the rating plate for electrical data on the unit being installed.

Specifications - Air Conditioner

Model			MOVE-18CN1-M14C	MOVE-24CN1-M14C	MOVE-30CN1-M14C	MOVE-36CN1-M14C
Power supply			208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz
Minimum circuit Amp.		A	12.0	17.6	18.7	21.9
Max. overcurrent protection		A	20	30	30	35
Cooling	Capacity	Btu/h	18,000	24,000	30,000	36,000
	SEER / EER	Btu/h.W	14.0 / 12.2	14.0 / 12.2	14.0 / 12.2	14.0 / 12.2
Heating	Capacity	Btu/h	/	/	/	/
	HSPF	Btu/h.W	/	/	/	/
Compressor type / brand			Scroll / Copeland	Scroll / Copeland	Scroll / Copeland	Scroll / Copeland
Fan motor	Type		PSC	PSC	PSC	PSC
	Rated RPM	r/min	1,075	1,075	825	825
	Rated HP		1/8	1/8	1/6	1/6
Outdoor coil			Copper tube and Aluminum fin			
Air flow		CFM	1,581	2,999	2,999	2,156
Sound pressure level		dB(A)	62	62	64	64
Dimension	Unit (W×H×D)	inch	21-7/8 × 24-15/16 × 21-7/8	23-5/8 × 24-15/16 × 23-5/8	28 × 24-15/16 × 28	29-1/8 × 24-15/16 × 29-1/8
	Packing (W×H×D)	inch	22-9/10 × 26-1/4 × 22-9/10	24-7/10 × 26-1/4 × 24-7/10	29 × 26-1/4 × 29	30-1/5 × 26-1/4 × 30-1/5
Net / Gross weight		lbs	121/128	130/137	148/157	152/161
Refrigerant connection valve	Liquid side	inch	3/8	3/8	3/8	3/8
	Gas side	inch	3/4	3/4	3/4	3/4
Shipping per STD40HQ			320	228	192	180

- Notes:
1. Wire size should be determined in accordance with National Electrical Codes; extensive wire runs will require large wire size.
 2. Must use time-delay fuses or HACR-type circuit breakers of the same size noted.
 3. Always check the rating plate for electrical data on the unit being installed.

Model			MOVE-42CN1-M14C	MOVE-48CN1-M14C	MOVE-60CN1-M14L
Power supply			208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz
Minimum circuit Amp.		A	24.1	29.0	28.0
Max. overcurrent protection		A	40	50	45
Cooling	Capacity	Btu/h	42,000	48,000	57,000
	SEER / EER	Btu/h.W	14.0 / 12.2	14.0 / 11.7	14.0 / 11.7
Heating	Capacity	Btu/h	/	/	/
	HSPF	Btu/h.W	/	/	/
Compressor type / brand			Scroll / Copeland	Scroll / Copeland	Scroll / LG
Fan motor	Type		PSC	PSC	PSC
	Rated RPM	r/min	1,075	1,075	1,075
	Rated HP		1/3	1/3	1/3
Outdoor coil			Copper tube and Aluminum fin		
Air flow		CFM	4,200	4,000	4,269
Sound pressure level		dB(A)	67	67	67
Dimension	Unit (W×H×D)	inch	28 × 33-3/16 × 28	28 × 33-3/16 × 28	29-1/8 × 33-3/16 × 29-1/8
	Packing (W×H×D)	inch	29 × 34-1/2 × 29	29 × 34-1/2 × 29	30-1/5 × 34-1/2 × 30-1/5
Net / Gross weight		lbs	192/203	192/203	203/214
Refrigerant connection valve	Liquid side	inch	3/8	3/8	3/8
	Gas side	inch	3/4	7/8	7/8
Shipping per STD40HQ			144	144	135

- Notes:
1. Wire size should be determined in accordance with National Electrical Codes; extensive wire runs will require large wire size.
 2. Must use time-delay fuses or HACR-type circuit breakers of the same size noted.
 3. Always check the rating plate for electrical data on the unit being installed.

Specifications - Air Conditioner (Rotary Compressor)

Model			MOVC-18CN1-M14G	MOVC-24CN1-M14G	MOVC-30CN1-M14G
Power supply			208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz
Minimum circuit Amp.		A	9.1	11.4	13.9
Max. overcurrent protection		A	15	15	20
Cooling	Capacity	Btu/h	18,000	23,600	29,000
	SEER / EER	Btu/h.W	14.0 / 12.2	14.0 / 12.2	14.0 / 12.2
Heating	Capacity	Btu/h	/	/	/
	HSPF	Btu/h.W	/	/	/
Compressor type / brand			Rotary / GMCC	Rotary / GMCC	Rotary / GMCC
Fan motor	Type		PSC	PSC	PSC
	Rated RPM	r/min	1,075	1,075	825
	Rated HP		1/8	1/8	1/6
Outdoor coil			Micro-channel		
Air flow		CFM	2,050	2,500	3,050
Sound pressure level		dB(A)	62	62	62
Dimension	Unit (W×H×D)	inch	23-5/8 × 24-16/15 × 23-5/8	28 × 24-15/16 × 28	29-1/8 × 24-15/16 × 29-1/8
	Packing (W×H×D)	inch	24-7/10 × 26-1/4 × 24-7/10	29 × 26-1/4 × 29	30-1/5 × 26-1/4 × 30-1/5
Net / Gross weight		lbs	108/115	121/130	134/143
Refrigerant connection valve	Liquid side	inch	3/8	3/8	3/8
	Gas side	inch	3/4	3/4	3/4
Shipping per STD40HQ			228	192	180

Notes:

1. Wire size should be determined in accordance with National Electrical Codes; extensive wire runs will require large wire size.
2. Must use time-delay fuses or HACR-type circuit breakers of the same size noted.
3. Always check the rating plate for electrical data on the unit being installed.



Midea CAC After-service Application



iOS Version



Android Version

Midea CAC News Application



iOS Version

Commercial Air Conditioner Division Midea Group

Add.: Midea Headquarters Building, 6 Midea Avenue, Shunde, Foshan, Guangdong, China

Postal code: 528311

Tel: +86-757-26338346 Fax: +86-757-22390205

cac.midea.com global.midea.com

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