M16 Series Condensing Units

1-½ To 5 Ton
Up to 16 SEER

Standard Features

- R410A chlorine-free refrigerant.
- Energy-efficient scroll 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 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).

R410A

Intertek

AHRI CERTIFIED

AHRI CERTIFIED

Specifications - Air Conditioner

Model			MOVA-18CN1-M16	MOVA-24CN1-M16	MOVA-30CN1-M16	MOVA-36CN1-M16
Power supply			208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz
Minimum circuit Amp.		A	12.3	17.9	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	16.0 / 13.0	16.0 / 13.0	16.0 / 13.0	16.0 / 13.0
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	825	825	825	825
	Rated HP		1/6	1/6	1/6	1/6
Outdoor coil			Copper tube and Aluminum fin			
Air flow		CFM	2,999	3,246	3,246	3,530
Sound pressure level		dB(A)	62	62	64	64
Dimension	Unit (W×H×D)	inch	28 × 24-15/16 × 28	29-1/8 × 24-15/16 × 29-1/8	29-1/8 × 24-15/16 × 29-1/8	29-1/8 × 33-3/16 × 29-1/8
	Packing (W×H×D)	inch	29 × 26-1/4 × 29	30-1/5 × 26-1/4 × 30-1/5	30-1/5 × 26-1/4 × 30-1/5	30-1/5 × 34-1/2 × 30-1/5
Net / Gross weight		lbs	161/172	160/172	161/174	187/198
Refrigerant connection valve	Liquid side	inch	3/8	3/8	3/8	3/8
	Gas side	inch	3/4	3/4	3/4	7/8
Shipping per STD40HQ			192	180	180	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.

Model			MOVA-42CN1-M16	MOVA-48CN1-M16	MOVA-60CN1-M16
Power supply			208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz
Minimum circuit Amp.		A	23.4	26.6	33.0
Max. overcurrent protection		A	40	45	50
Cooling	Capacity	Btu/h	42,000	47,500	58,000
	SEER / EER	Btu/h.W	16.0 / 13.0	16.0 / 13.0	15.0 / 12.5
Heating	Capacity	Btu/h	/	/	/
	HSPF	Btu/h.W	/	/	/
Compressor type / brand			Scroll / Copeland	Scroll / Copeland	Scroll / Copeland
Fan motor	Type		PSC	PSC	PSC
	Rated RPM	r/min	825	1,075	1,075
	Rated HP		1/6	1/3	1/3
Outdoor coil			Copper tube and Aluminum fin		
Air flow		CFM	3,530	4,116	4,116
Sound pressure level		dB(A)	67	67	67
Dimension	Unit (W×H×D)	inch	29-1/8 × 33-3/16 × 29-1/8	29-1/8 × 33-3/16 × 29-1/8	29-1/8 × 33-3/16 × 29-1/8
	Packing (W×H×D)	inch	30-1/5 × 34-1/2 × 30-1/5	30-1/5 × 34-1/2 × 30-1/5	30-1/5 × 34-1/2 × 30-1/5
Net / Gross weight		lbs	218/236	218/229	223/234
Refrigerant connection valve	Liquid side	inch	3/8	3/8	3/8
	Gas side	inch	7/8	7/8	7/8
Shipping per STD40HQ			135	135	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 - Heat Pump

Model			MOVA-18HN1-M16	MOVA-24HN1-M16	MOVA-30HN1-M16	MOVA-36HN1-M16
Power supply			208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz
Minimum circuit Amp.		A	12.3	17.9	18.7	21.9
Max. overcurrent protection		A	20	30	30	35
Cooling	Capacity	Btu/h	18,000	24,000	30,000	35,000
	SEER	Btu/h.W	15.0	15.0	15.0	15.0
Heating	Capacity	Btu/h	17,500	23,200	28,600	35,000
	HSPF	Btu/h.W	9	9	9	9
Compressor type / brand			Scroll / Copeland	Scroll / Copeland	Scroll / Copeland	Scroll / Copeland
Fan motor	Type		PSC	PSC	PSC	PSC
	Rated RPM	r/min	825	825	825	825
	Rated HP		1/6	1/6	1/6	1/6
Outdoor coil			Copper tube and Aluminum fin			
Air flow		CFM	2,999	3,246	3,246	3,530
Sound pressure level		dB(A)	62	62	64	64
Dimension	Unit (W×H×D)	inch	28 × 24-15/16 × 28	29-1/8 × 24-15/16 × 29-1/8	29-1/8 × 24-15/16 × 29-1/8	29-1/8 × 33-3/16 × 29-1/8
	Packing (W×H×D)	inch	29 × 26-1/4 × 29	30-1/5 × 26-1/4 × 30-1/5	30-1/5 × 26-1/4 × 30-1/5	30-1/5 × 34-1/2 × 30-1/5
Net / Gross weight		lbs	174/185	170/183	172/185	194/205
Refrigerant connection valve	Liquid side	inch	3/8	3/8	3/8	3/8
	Gas side	inch	3/4	3/4	3/4	7/8
Shipping per STD40HQ			192	180	180	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.

Model			MOVA-42HN1-M16	MOVA-48HN1-M16	MOVA-60HN1-M16
Power supply			208/230V-1Ph-60Hz	208/230V-1Ph-60Hz	208/230V-1Ph-60Hz
Minimum circuit Amp.		A	23.4	26.6	33.0
Max. overcurrent protection		A	40	45	50
Cooling	Capacity	Btu/h	42,000	46,500	57,500
	SEER	Btu/h.W	15.0	15.0	15.0
Heating	Capacity	Btu/h	42,000	45,000	55,500
	HSPF	Btu/h.W	9	9	9
Compressor type / brand			Scroll / Copeland	Scroll / Copeland	Scroll / Copeland
Fan motor	Type		PSC	PSC	PSC
	Rated RPM	r/min	825	1,075	1,075
	Rated HP		1/6	1/3	1/3
Outdoor coil			Copper tube and Aluminum fin		
Air flow		CFM	3,530	4,116	4,116
Sound pressure level		dB(A)	67	67	67
Dimension	Unit (W×H×D)	inch	29-1/8 × 33-3/16 × 29-1/8	29-1/8 × 33-3/16 × 29-1/8	29-1/8 × 33-3/16 × 29-1/8
	Packing (W×H×D)	inch	30-1/5 × 34-1/2 × 30-1/5	30-1/5 × 34-1/2 × 30-1/5	30-1/5 × 34-1/2 × 30-1/5
Net / Gross weight		lbs	229/245	229/240	234/245
Refrigerant connection valve	Liquid side	inch	3/8	3/8	3/8
	Gas side	inch	7/8	7/8	7/8
Shipping per STD40HQ			135	135	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.

Technology Inspires Possibilities

Quality Assurance ISO 9001

Environmental Management ISO 14001

Occupational Health and Safety Assessment OHSAS 18001

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