

Specifications

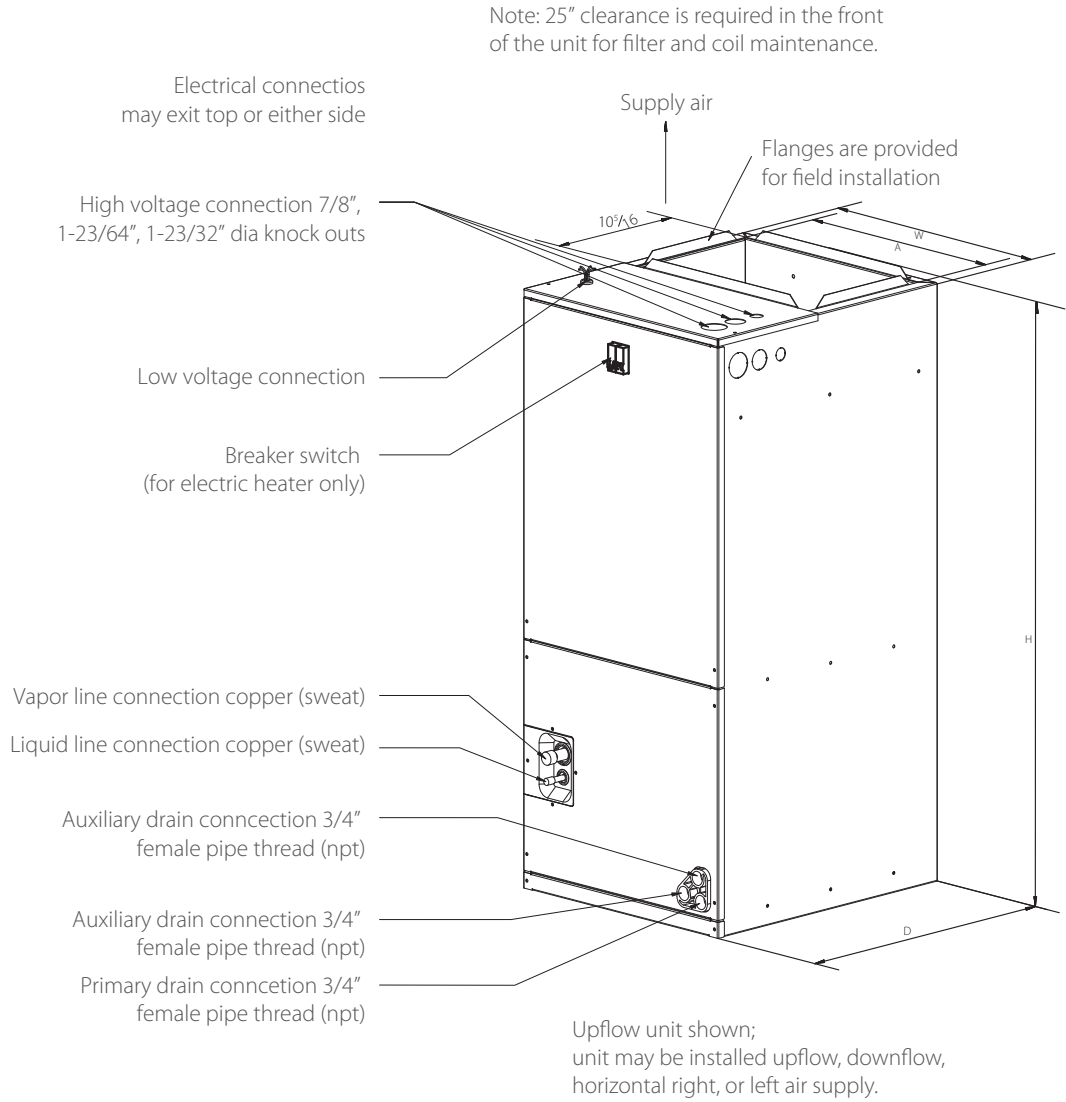
R410A Air Handler >>

Model		MVC-18WN1-M13	MVA-24HWN1-M13	MVC-30WN1-M13
Power supply		208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz
Fan motor	Type	PSC	PSC	PSC
	HP	1/8	1/5	1/4
Indoor fan material		Metal	Metal	Metal
Air flow (CFM)@Static pressure (Pa)		600@25	800@25	1,000@40
Indoor coil type		Copper tube and aluminum fin		
Throttle type		Orifice	Orifice	Orifice
Dimension (WxHxD)	inch	18-1/8x41-3/8x20-1/2	18-1/8x41-3/8x20-1/2	18-1/8x41-3/8x20-1/2
Packing (WxHxD)	inch	21x42-7/10x24-1/6	21x42-7/10x24-1/6	21x42-7/10x24-1/6
Refrigerant pipe	Liquid side	inch 3/8	3/8	3/8
	Gas side	inch 3/4	3/4	3/4
Shipping per STD 40HQ		210	210	210

Model		MVC-36WN1-M13	MVC-42WN1-M13	MVC-48WN1-M13	MVA-60HWN1-M13
Power supply		208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz
Fan motor	Type	PSC	PSC	PSC	PSC
	HP	1/3	1/2	1/2	3/4
Indoor fan material		Metal	Metal	Metal	Metal
Air flow (CFM)@Static pressure (Pa)		1,130@40	1,250@40	1,560@50	1,810@50
Indoor coil type		Copper tube and aluminum fin			
Throttle type		Orifice	Orifice	Orifice	Orifice
Dimension (WxHxD)	inch	19-5/8x46-1/2x21-5/8	19-5/8x46-1/2x21-5/8	22x54-1/2x24	22x54-1/2x24
Packing (WxHxD)	inch	22-3/5x47-4/5x25-7/20	22-3/5x47-4/5x25-7/20	25x55-4/5x27-7/10	25x55-4/5x27-7/10
Refrigerant pipe	Liquid side	inch 3/8	3/8	3/8	3/8
	Gas side	inch 3/4	3/4	7/8	7/8
Shipping per STD 40HQ		154	154	104	104

Notes:
Energy Efficiency Ratio @ 95°F, Certified per ARI 210/240.
Rated cooling capacity @ 95°F, outdoor per ARI 210/240.
Rated heating capacity @ 47°F, outdoor per ARI 210/240.

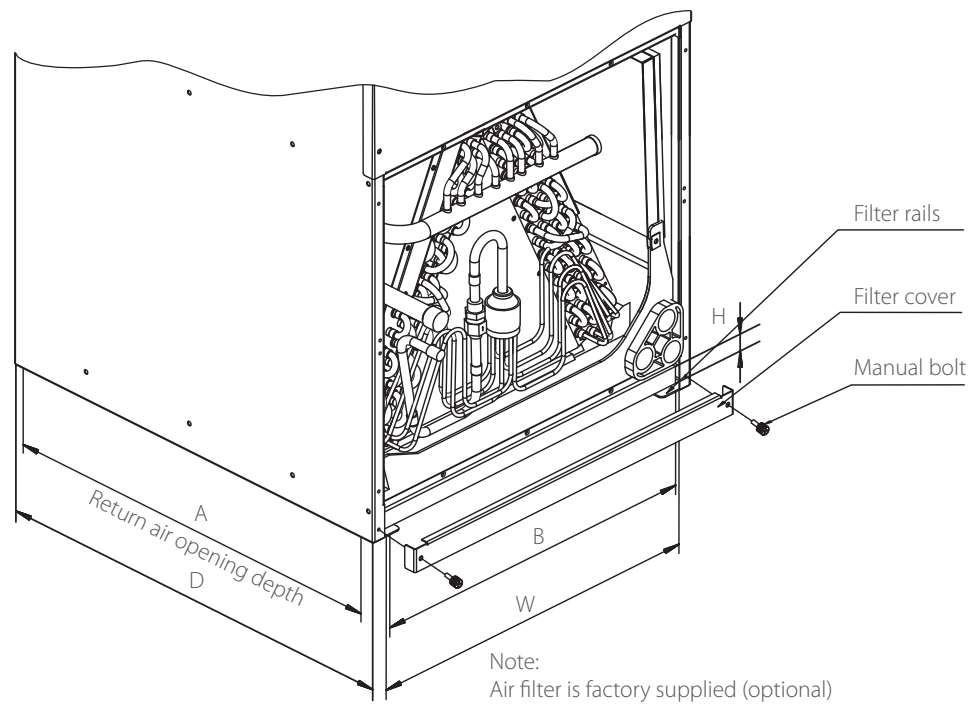
Unit Dimensions



Dimensional Data >>

Model data	Unit Height "H" IN. [mm]	Unit Width "W" IN.[mm]	Unit Length "D" IN.[mm]	Supply Duct "A"	Unit Weight /Shipping Weight (LBS.[kg])
18	41-3/8"[1050]	18-1/8"[460]	20-1/2"[520]	16"[406]	106/119 [48]/[54]
24	41-3/8"[1050]	18-1/8"[460]	20-1/2"[520]	16"[406]	106/119 [48]/[54]
30	41-3/8"[1050]	18-1/8"[460]	20-1/2"[520]	16"[406]	119/132 [54]/[60]
36	46-1/2"[1180]	19-5/8"[500]	21-5/8"[550]	18"[456]	141/156 [64]/[71]
42	46-1/2"[1180]	19-5/8"[500]	21-5/8"[550]	18"[456]	141/156 [64]/[71]
48	54-1/2"[1385]	22"[560]	24"[610]	19-1/2"[496]	172/187 [78]/[85]
60	54-1/2"[1385]	22"[560]	24"[610]	19-1/2"[496]	172/187 [78]/[85]

Filter Installation Dimensions



Dimensional Data >>

Model	Filter Size IN [mm]	"W" IN [mm]	"D" IN [mm]	"H" IN [mm]	Return Width "A" IN	Return Length "B" IN
18/24/30	16X20[406X508]	16.8[426]	20.4[518]	1[25.4]	19.6	14.8
36/42	18X20[457X508]	18.3[466]	21.6[548]	1[25.4]	20.8	16.3
48/60	20X22[508X559]	20.7[526]	23.9[608]	1[25.4]	23	18.8



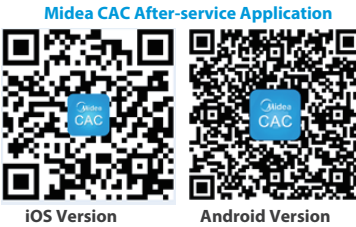
GD Midea Heating & Ventilating Equipment Co., Ltd.
Is certified under the ISO 14001 International standard for environmental management.
Certificate No.15912E10020R0L



GD Midea Heating & Ventilating Equipment Co., Ltd.
Is certified under the ISO 9001 International standard for quality assurance.
NO.01 100 019209



GD Midea Heating & Ventilating Equipment Co., Ltd.
Certificate of Occupational Health and Safety Management System
Certificate No. 15912S20006R0L-1.



Commercial Air Conditioner Division
Midea Group

Address: Midea Headquarters Building, 6 Midea Avenue, Beijiao, Shunde, Foshan, Guangdong, China

Postal code: 528311
Tel: +86-757-26338346 Fax: +86-757-22390205
cac.midea.com globalmidea.com

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



13 SEER Duct Split
1-1/2 Ton~5 Ton



Condensing Units

Features



Heat-exchanger >>

- ❖ Inner-groove copper tube & aluminum fin coils used on all models.

Compressor >>

- ❖ Internally protect against high temperature motor overload conditions.
- ❖ High-efficiency rotary or scroll compressor for option. (Copeland / LG / GMCC)

Accessories >>

- ❖ Dry filter (shipped or installed).

Cabinet >>

- ❖ Cabinet is constructed of painted galvanized steel, protect the coil from damage.
- ❖ Control box is located in corner for easy installation and service.
- ❖ Compact design, easy installation and transportation.

Options >>

- ❖ Other brands indoor units such as the four way cassette, ceiling and floor, duct type indoor units can be connected to Midea condensing units by 24V communication.

Specifications

Cooling Only Type Condensing Units (1 Phase) - GMCC Compressor >>

Model			MOVA-18CN1-M13T	MOVA-24CN1-M13T	MOVA-30CN1-M13T
Power supply			208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz
Cooling	Capacity	Btu/h	18,000	22,600	30,000
	SEER	Btu/h.W	13	13	13
	EER	Btu/h.W	11.60	10.95	11.20
Compressor	Type	Rotary		Rotary	Rotary
	Brand	GMCC		GMCC	GMCC
Fan motor	Type	PSC		PSC	PSC
	HP	1/12		1/12	1/6
Outdoor coil type			Copper tube and aluminum fin	Copper tube and aluminum fin	Copper tube and aluminum fin
Dimension (WxHxD)		inch	21-7/8x24-15/16x21-7/8	23-5/8x24-15/16x23-5/8	28x24-15/16x28
Packing (WxHxD)		inch	22-9/10x26-1/4x22-9/10	24-7/10x26-1/4x24-7/10	29x26-1/4x29
Refrigerant pipe	Liquid side	inch	3/8	3/8	3/8
	Gas side	inch	3/4	3/4	3/4
Shipping per STD 40HQ			320	228	192

Cooling Only Type Condensing Units (1 Phase) - LG Compressor >>

Model			MOVA-18CN1-M13L	MOVD-24CN1-M13L	MOVD-30CN1-M13L
Power supply			208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz
Cooling	Capacity	Btu/h	17,800	22,600	28,200
	SEER	Btu/h.W	13	13	13
	EER	Btu/h.W	11.00	10.80	11.00
Compressor	Type	Scroll		Scroll	Scroll
	Brand	LG		LG	LG
Fan motor	Type	PSC		PSC	PSC
	HP	1/12		1/8	1/8
Outdoor coil type			Copper tube and aluminum fin	Copper tube and aluminum fin	Copper tube and aluminum fin
Dimension (WxHxD)		inch	21-7/8x24-15/16x21-7/8	21-7/8x24-15/16x21-7/8	29-1/8x24-15/16x29-1/8
Packing (WxHxD)		inch	22-9/10x26-1/4x22-9/10	22-9/10x26-1/4x22-9/10	30-1/5x26-1/4x30-1/5
Refrigerant pipe	Liquid side	inch	3/8	3/8	3/8
	Gas side	inch	3/4	3/4	3/4
Shipping per STD 40HQ			320	320	180

Notes:
Energy Efficiency Ratio @ 95°F, Certified per ARI 210/240.
Rated cooling capacity @ 95°F, outdoor per ARI 210/240.

Rated heating capacity @ 47°F, outdoor per ARI 210/240.

Model			MOVA-36CN1-M13L	MOVD-42CN1-M13L	MOVD-48CN1-M13L	MOVA-60CN1-M13L
Power supply			208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz
Cooling	Capacity	Btu/h	34,600	41,000	48,000	57,000
	SEER	Btu/h.W	13	13	13	13
	EER	Btu/h.W	11.35	10.80	11.00	10.85
Compressor	Type	Scroll		Scroll	Scroll	Scroll
	Brand	LG		LG	LG	LG
Fan motor	Type	PSC		PSC	PSC	PSC
	HP	1/6		1/3	1/3	1/3
Outdoor coil type			Copper tube and aluminum fin			
Dimension (WxHxD)		inch	29-1/8x24-15/16x29-1/8	29-1/8x33-3/16x29-1/8	28x29-7/8x28	29-1/8x33-3/16x29-1/8
Packing (WxHxD)		inch	30-1/5x26-1/4x30-1/5	30-1/5x34-1/2x30-1/5	29x31-1/5x29	30-1/5x34-1/2x30-1/5
Refrigerant pipe	Liquid side	inch	3/8	3/8	3/8	3/8
	Gas side	inch	3/4	3/4	7/8	7/8
Shipping per STD 40HQ			180	135	144	135

Cooling Only Type Condensing Units (1 Phase) - Copeland Compressor >>

Model			MOVD-24CN1-M13C	MOVD-36CN1-M13A	MOVD-48CN1-M13	MOVA-60CN1-M13
Power supply			208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz	208/230V, 1Ph, 60Hz
Cooling	Capacity	Btu/h	23,000	34,200	47,000	57,500
	SEER	Btu/h.W	13	13	13	13
	EER	Btu/h.W	10.80	11.00	11.05	11.00
Compressor	Type	Scroll		Scroll	Scroll	Scroll
	Brand	Copeland		Copeland	Copeland	Copeland
Fan motor	Type	PSC		PSC	PSC	PSC
	HP	1/8		1/6	1/3	1/3
Outdoor coil type			Copper tube and aluminum fin			
Dimension (WxHxD)		inch	23-5/8x24-15/16x23-5/8	28x29-7/8x28	28x29-7/8x28	29-1/8x33-3/16x29-1/8
Packing (WxHxD)		inch	24-7/10x26-1/4x24-7/10	29x31-1/5x29	29x31-1/5x29	30-1/5x34-1/2x30-1/5
Refrigerant pipe	Liquid side	inch	3/8	3/8	3/8	3/8
	Gas side	inch	3/4	3/4	7/8	7/8
Shipping per STD 40HQ			228	144	144	135

Notes:
Energy Efficiency Ratio @ 95°F, Certified per ARI 210/240.
Rated cooling capacity @ 95°F, outdoor per ARI 210/240.

Rated heating capacity @ 47°F, outdoor per ARI 210/240.

Cooling Only Type Condensing Units (3 Phase) - Copeland Compressor >>

Model			MOVB-36CN1-X13	MOVB-48CN1-X13	MOVB-60CN1-X13
Power supply			208/230V, 3Ph, 60Hz	208/230V, 3Ph, 60Hz	208/230V, 3Ph, 60Hz
Cooling	Capacity	Btu/h	35,400	46,500	56,000
	SEER	Btu/h.W	13	13	13
	EER	Btu/h.W	11.2	10.60	10.60
Compressor	Type	Scroll		Scroll	Scroll
	Brand	Copeland		Copeland	Copeland
Fan motor	Type	AC		AC	AC
	HP	1/6		1/3	1/3
Outdoor coil type			Copper tube and aluminum fin	Copper tube and aluminum fin	Copper tube and aluminum fin
Dimension (WxHxD)		inch	29-1/8x24-15/16x29-1/8	28x33-3/16x28	29-1/8x33-3/16x29-1/8
Packing (WxHxD)		inch	30-1/5x26-1/4x30-1/5	29x34-1/2x29	30-1/5x34-1/2x30-1/5
Refrigerant pipe	Liquid side	inch	3/8	3/8	3/8
	Gas side	inch	3/4	7/8	7/8
Shipping per STD 40HQ			180	144	135

Notes:
Energy Efficiency Ratio @ 95°F, Certified per ARI 210/240.
Rated cooling capacity @ 95°F, outdoor per ARI 210/240.

Rated heating capacity @ 47°F, outdoor per ARI 210/240.



Air Handler Features

- ❖ **Low Noise:**
Fully insulated design helps to minimize indoor noise level.
- ❖ **Common Maintaining:**
Removing the front panel will allow the blower assembly and coil assembly slide-out easily.
- ❖ **Filter Rack:**
Filter rack at the bottom, very convenient for installation.
- ❖ **Multi-position:**
4-way convertible design for horizontal left, horizontal right, upflow and downflow.
- ❖ **Motor:**
Quiet operation, 3-speed PSC motor.