

Floor Ceiling Indoor Unit



- ❖ Two installation options are available: horizontal against the ceiling or vertically against the floor/wall, idea for wide rooms with no ceilings.
- ❖ DC fan motor, 7 fan speeds, 5 steps fan swing.
- ❖ Standard with wireless remote controller, optional with wired remote controller.
- ❖ 24V universal communication, compatible with 24V condenser units.
- ❖ Compatible with the 3rd party 24V thermostats.

Specifications

Indoor Unit Model			MUDL-36CRN1-M(B)	MUDL-60CRN1-M(B)	MUDL-60CRN1-M(B)
Matched Outdoor Unit Model			MOVA-36CN1-M10L	MOVC-60CN1-X10G	MOVB-60CN1-M10G
Indoor unit power supply			V-Ph-Hz	208/230V 1Ph~60Hz	208/230V 3Ph~60Hz
Performance	Cooling Capacity	Btu/h	36000	60,000	60,000
	EER	W*W	3.22	3.22	3.22
	SEER	Btu/h*W	10	10	10
Indoor Motor	Type	-	DC	DC	DC
	Motor HP	HP	1/12	1/12	1/12
Indoor Fan	Material	-	Plastic	Plastic	Plastic
	Type	-	Centrifugal fan	Centrifugal fan	Centrifugal fan
Indoor Coil	Tube material	-	Copper	Copper	Copper
	Fin type	-	Hydrophilic Aluminium	Hydrophilic Aluminium	Hydrophilic Aluminium
Air Flow			CFM	583/647/712/777/842/907/971	777/844/910/977/1044/1111/1177
Indoor Sound Pressure Level			dB(A)	32.1/33.8/36.3/38.8/41.5/42.4/44	39.8/42.6/44.5/46.6/48.3/50.1/52
Dimension & Weight	Unit Dimension (W×H×D)	mm	1650 ×235×675	1650 ×235×675	1650 ×235×675
		inch	65 × 9-1/4 × 26-9/16	65 × 9-1/4 × 26-9/16	65 × 9-1/4 × 26-9/16
	Packing Dimension (W×H×D)	mm	1775×330×760	1775×330×760	1775×330×760
		inch	69-7/8× 13×30	69-7/8× 13×30	69-7/8× 13×30
	Net/Gross weight	kg	36.4/42.2	36.4/42.2	36.4/42.2
		lb	80.3/93.1	80.3/93.1	80.3/93.1
Refrigerant System	Liquid Line Size	inch	3/8	3/8	3/8
	Vapor Line Size	inch	3/4	5/8	5/8
	Throttle Type	-	EEV	EEV	EEV
	Refrigerant Type	-	R410A	R410A	R410A
	Connecting Method	-	Thread	Thread	Thread
Drainage water pipe diameter			inch	1	1

Notes:
1.Specifications are subject to change without prior notice for product improvement

AHU Indoor Unit



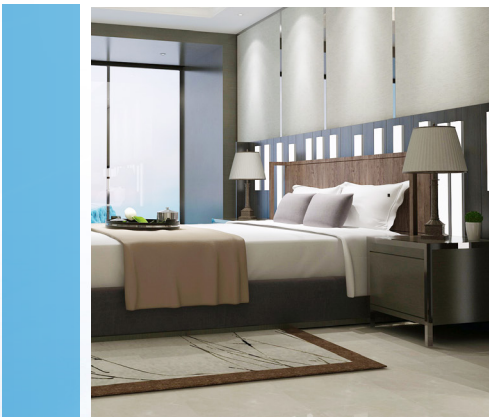
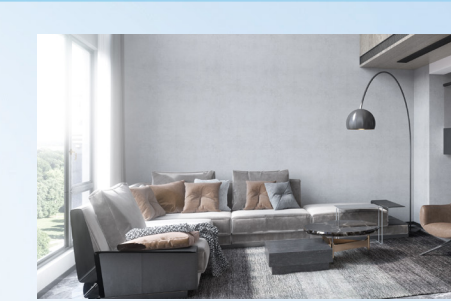
- ❖ Multi-speed blower motor.
- ❖ Multi-position installation - upflow or horizontal right standard.
- ❖ Multiple electrical entry locations.
- ❖ Dual front panel design for ease of maintenance.
- ❖ Blower and coil easy slide out for ease of maintenance.
- ❖ Fully-insulated cabinet design.
- ❖ Horizontal and vertical condensate drain pans standard.
- ❖ Primary and secondary condensate drain fittings.
- ❖ Factory-sealed cabinet certified to achieve 2% or less air leakage rate at 1.0 inch water column.
- ❖ Integrated filter rack with tool-less door access.

Specifications

Indoor Unit Model			MVMP36B1MN10C	MVMP60B1MN10D	MVMP60B1MN10D
Matched Outdoor Unit Model			MOVA-36CN1-M10L	MOVC-60CN1-X10G	MOVB-60CN1-M10G
Indoor unit power supply			208/230V 1Ph~60Hz	208/230V 3Ph~60Hz	208/230V 1Ph~60Hz
Performance	Cooling Capacity	Btu/h	36000	60,000	60,000
	EER	W*W	3.22	3.22	3.22
	SEER	Btu/h*W	10	10	10
Indoor Fan	Material	-	Metal	Metal	Metal
	Type	-	Centrifugal	Centrifugal	Centrifugal
Indoor Motor	Type	-	PSC	PSC	PSC
	Motor HP	HP	1/2	1/3	1/3
Indoor coil	Tube material	-	Aluminum	Aluminum	Aluminum
	Fin type	-	Hydrophilic Aluminium	Hydrophilic Aluminium	Hydrophilic Aluminium
Rated Indoor Air Flow (H/M/L)			CFM	1200	1540
Max. ESP			in.wg	0.6	0.5
Indoor Sound Pressure Level			dB(A)	50	55.6
Dimension & Weight	Unit Dimension (W×H×D)	mm	500×1180×550	500×1180×550	500×1180×550
		inch	19-5/8×46-1/2×21-5/8	19-5/8×46-1/2×21-5/8	19-5/8×46-1/2×21-5/8
	Packing Dimension (W×H×D)	mm	567×1197×644	567×1212×644	567×1212×644
		inch	22-5/16× 47-1/8× 25-3/8	22-5/16× 47-11/16× 25-3/8	22-5/16× 47-11/16× 25-3/8
	Net/Gross weight	kg	59/64	58.3/64.5	58.3/64.5
		lb	130.07/141.1	128.5/142.2	128.5/142.2
Refrigerant System	Refrigerant Type	-	R410A	R410A	R410A
	Throttle Type	-	Piston	Piston	Piston
	Connecting Method	-	Welding	Welding	Welding
	Liquid Pipe	inch	3/8	3/8	3/8
	Suction Pipe	inch	3/4	7/8	7/8
Drainage water pipe diameter			inch	3/4 FPT	3/4 FPT

Notes:
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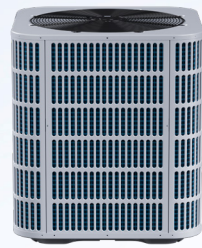
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Unitary Products
Free Match
10SEER



Outdoor Unit

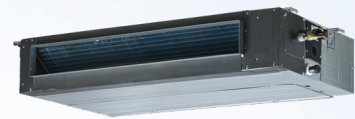


- ❖ Small-sized design with minimal footprint
- ❖ Adoption of efficient and reliable scroll compressor
- ❖ Wide operating voltage range
- ❖ Efficient heat exchanger design
- ❖ High pressure and low pressure cut-out protection
- ❖ Discharge temperature overheat protection
- ❖ Three-phase power supply phase sequence protection design

Specifications

Model			MOVA-36CN1-M10L	MOVC-60CN1-X10G	MOVB-60CN1-M10G
Power supply		V-Ph-Hz	208/230V 1Ph~60Hz	208/230V 3Ph~60Hz	208/230V 1Ph~60Hz
Compressor	Type	-	Rotary	Scroll	Scroll
	Brand	-	GMCC	GMCC	GMCC
Outdoor Fan	Material	-	Metal	Metal	Metal
	Type	-	Axial flow fan	Axial flow fan	Axial flow fan
Outdoor Motor	Type	-	PSC	AC	AC
	Motor HP	HP	1/8	1/3	1/3
Outdoor coil	Tube material	-	Copper	Copper	Copper
	Fin type	-	Hydrophilic aluminium	Hydrophilic aluminium	Hydrophilic aluminium
Dimension & Weight	Unit Dimension (W×H×D)	mm	600×633×600	710×757×710	710×757×710
		inch	23-5/8 × 24-15/16 × 23-5/8	27-15/16 × 29-13/16 × 27-15/16	27-15/16 × 29-13/16 × 27-15/16
	Packing Dimension (W×H×D)	mm	628×667×628	738×794×738	738×794×738
		inch	24-3/4 × 26-1/4 × 24-3/4	29-1/16 × 31-1/4 × 29-1/16	29-1/16 × 31-1/4 × 29-1/16
	Net/Gross weight	kg	53/56	78.2/81.9	79.3/82.7
		lb	116.84/123.46	172.4/180.6	174.8/182.3
Conection Information	Liquid Line Size	inch	3/8	3/8	3/8
	Vapor Line Size	inch	3/4	7/8	7/8
	Max. Line Length	ft	150	150	150
	Max. Vertical Separation ⁽¹⁾ (Outdoor Unit above Indoor coil)	ft	60	60	60
	Max. Vertical Separation ⁽¹⁾ (Outdoor Unit Below Indoor coil)	ft	60	60	60
Design Information	Design Pressure	psig	550	550	550
	Cooling temp	°C	18~43	18~43	18~43
		°F	64.4~109.4	64.4~109.4	64.4~109.4
Operation Information	Refrigrant Type	-	R410A	R410A	R410A
	Refrigrant Factory Charged	g	1920(15ft)	2320(15ft)	2320(15ft)
		lb-oz	4lb 4oz	5lb 2oz	5lb 2oz
	Sound Pressure Level	dB(A)	62	68.6	67.4

Note:
1.The maximum vertical drop of the refrigerant piping is related to the length of the refrigerant piping. Please refer to the installation guide for specific correspond- ing relationships.



- ❖ Slim, compact design for limited space with duct distribution to the indoor space
- ❖ Three fan speeds control
- ❖ Standard with wired remote controller, optional with wireless remote controller
- ❖ 24V universal communication, can be compatible with other 24V condenser units
- ❖ Compatible with the 3rd party 24V thermostats
- ❖ Standard with return air plenum box
- ❖ Optional with high-lift drain pump

Specifications

Indoor Unit Model			MTC-36CWN1-M	MTC-60CWN1-M	MTC-60CWN1-M
Matched Outdoor Unit Model			MOVA-36CN1-M10L	MOVC-60CN1-X10G	MOVB-60CN1-M10G
Power Supply			208/230V-1Ph-60hz	208/230V 3Ph~60Hz	208/230V 1Ph~60Hz
Performance	Cooling Capacity	Btu/h	36000	60,000	60,000
	EER	W*W	3.22	3.22	3.22
	SEER	Btu/h*W	10	10	10
Indoor Fan	Material	-	PSC	PSC	PSC
	Type	-	1/12	1/12	1/12
Indoor Fan Motor	Type	-	Plastic	Plastic	Plastic
	Power Input	W	Centrifugal fan	Centrifugal fan	Centrifugal fan
Indoor Coil	Tube Material	-	Copper	Copper	Copper
	Fin Type	-	Hydrophilic Aluminium	Hydrophilic Aluminium	Hydrophilic Aluminium
Indoor Air Flow (H/M/L)		CFM	1200/1100/1000	1350/1300/1100	1350/1300/1100
ESP (Range)		in.wg	0.15(0-0.50)	0.20(0-0.50)	0.20(0-0.50)
Indoor Sound Level (Sound Power Level)		dB(A)	49/47/46	47/44/40	47/44/40
Dimension & Weight	Unit Dimension (W×H×D)	mm	1230×270×775	1290×300×865	1290×300×865
		inchs	48-7/16×10-5/8×30-1/2	50-13/16×11-13/16×34-1/16	50-13/16×11-13/16×34-1/16
	Packing Dimension (W×H×D)	mm	1355×350×795	1400×375×925	1400×375×925
		inchs	53-3/8×13-3/4×31-5/16	55-1/8×14-3/4×36-7/16	55-1/8×14-3/4×36-7/16
	Net/Gross weight	kg	41/48	49/57	49/57
		lbs	90/106	108/126	108/126
Refrigerant System	Refrigrant Type	-	3/8	3/8	3/8
	Throttle Type	-	5/8	3/4	3/4
	Connecting Method	-	Piston	Piston	Piston
	Liquid Pipe	inch	R410A	R410A	R410A
	Suction Pipe	inch	Thread	Thread	Thread
Drainage water pipe diameter		inch	1 FPT	1 FPT	1 FPT

Notes:
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FourWay Cassette Indoor Unit



- ❖ 360° round airflow for immediate, equal distribution of wider-angle cooling, idea for standard ceilings
- ❖ Three fan speeds control, multiple steps fan swing
- ❖ Standard with wireless remote controller, optional with wired remote controller
- ❖ 24V universal communication, can be compatible with other 24V condenser units
- ❖ Standard with high-lift drain pump, simplifying installation of the drain piping
- ❖ Compatible with the 3rd party 24V thermostats
- ❖ RTCA certified

Specifications

Indoor Unit Model			MCQ4-36CRN1-M	MCQ4-60CRN1-M	MCQ4-60CRN1-M
Matched Outdoor Unit Model			MOVA-36CN1-M10L	MOVC-60CN1-X10G	MOVB-60CN1-M10G
Indoor unit power supply		V-Ph-Hz	208/230V 1Ph~60Hz	208/230V 3Ph~60Hz	208/230V 1Ph~60Hz
Performance	Cooling Capacity	Btu/h	36000	60,000	60,000
	EER	W*W	3.22	3.22	3.22
	SEER	Btu/h*W	10	10	10
Fan Motor	Type	-	PSC	PSC	PSC
	Motor HP	HP	1/12	1/12	1/12
Indoor Fan	Material	-	Plastic	Plastic	Plastic
	Type	-	Centrifugal fan	Centrifugal fan	Centrifugal fan
Indoor Coil	Tube material	-	Copper	Copper	Copper
	Fin type	-	Hydrophilic Aluminium	Hydrophilic Aluminium	Hydrophilic Aluminium
Indoor Air Flow (H/M/L)		CFM	850/650/550	900/700/600	900/700/600
Indoor Sound Level (Sound Power Level)		dB(A)	48/42/41	49/43/42	49/43/42
Dimension & Weight	Unit Dimension (W×H×D)	mm	840×300×840	840×300×840	840×300×840
		in.	33-1/16 × 11-13/16 × 33-1/16	33-1/16 × 11-13/16 × 33-1/16	33-1/16 × 11-13/16 × 33-1/16
	Packing Dimension (W×H×D)	mm	955×317×955	955×317×955	955×317×955
		in.	37-5/8× 12-1/2 × 37-5/8	37-5/8× 12-1/2 × 37-5/8	37-5/8× 12-1/2 × 37-5/8
	Net/Gross weight	kg	28.1/32.7	29.8/35	29.8/35
		lb	62/72	65.7/77.1	65.7/77.1
Refrigrant System	Refrigrant Type	-	3/8	3/8	3/8
	Throttle Type	-	3/4	3/4	3/4
	Connecting Method	-	Piston	Piston	Piston
	Liquid Pipe	inch	R410A	R410A	R410A
	Suction Pipe	inch	Thread	Thread	Thread
Drainage water pipe diameter		in.	1-1/4 FPT	1-1/4 FPT	1-1/4 FPT

Notes:
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