

# Compact Round Flow Cassette



Remote

## Panel Dimension



Part #: Panel 01  
Net Dimension (WxDxH):  
25.47"x25.47x1.96 (in.)



Part #: Panel 01  
Packing Dimension (WxDxH):  
28.15x28.15x4.84 (in.)

## 360° Air Outlet Panel

360° air outlet makes equal, fast and wide-range cooling.



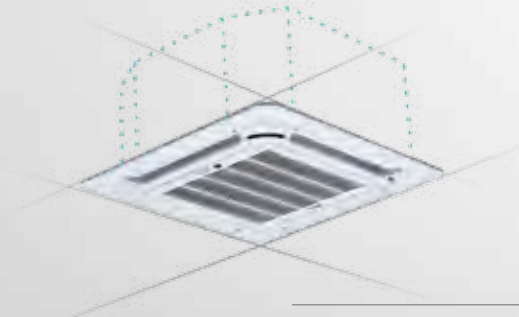
## Fresh Air Intake

Fresh Air Intake function gives you fresh and comfortable air feeling.



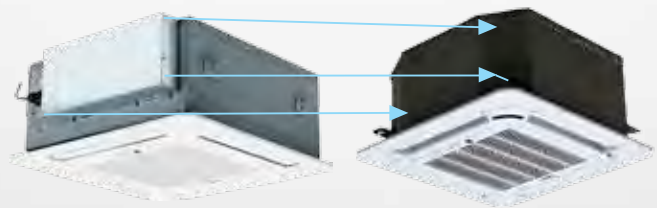
## Compact Design

The body size of this unit is 22.44x22.44x10.23 in, and panel size is 27.75x27.75x4.44 in. It can be installed in one standard ceiling tile (23.6Wx23.6D), which can save installation time and make installation easier.











## E-box Inside

The E-box is simply and safely built inside the indoor unit. This integrated design provides a more compact body size and ease of installation. And the maintenance of the E-box is simple, by opening the air-return-grille.



## Standard Features

-   
Auto Defrosting
-   
Independent Dehumidification
-   
Auto Restart Function
-   
360° Air Flow Panel
-   
Sleep Mode
-   
Anti-Cold Air Function
-   
Built-in Drain Pump
-   
Low Ambient Cooling

## Optional Features

-   
Fresh Air
-   
Wired Controller
-   
Central Controller

# Large Capacity Super Slim Round Flow Cassette



## Panel Dimension



Part #: Panel 02  
Net Dimension (WxDxH):  
37.4"x37.4x2.17 (in.)



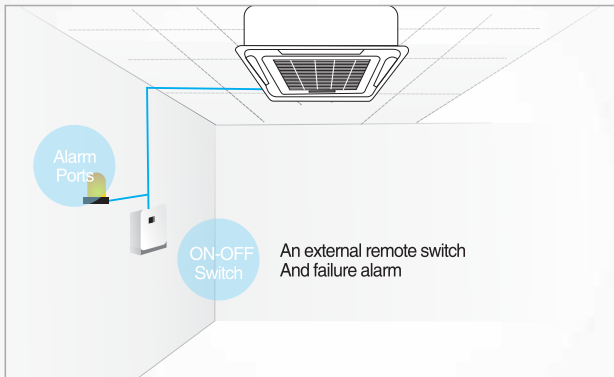
Part #: Panel 02  
Packing Dimension (WxDxH):  
40.75x40.75x3.54 (in.)



Remote

## Reserved ON-OFF and Alarm Ports(Optional)

**ON-OFF Switch:** With the reserved ports, a remote switch can be easily connected to realize remote control.  
**Alarm:** The built-in PCB can output alarm signal, which makes setting up an external alarm light or vibration gauge possible.



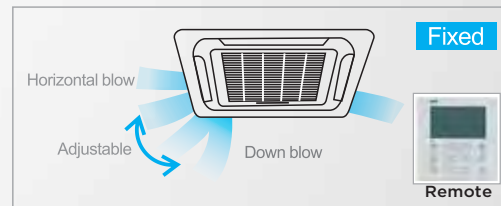
## Lifting Easy-Clean(Optional) & 360° Air Flow Panel

The removable lifting panel makes the clean process much easier. And with the 360° flow system, distributing comfort to every corner of the room.

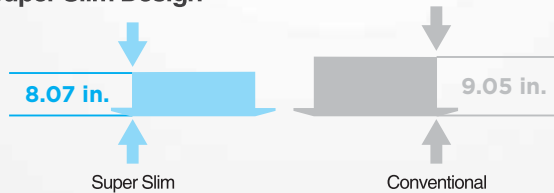


## Wired Controller and Independent Vane Controller(Optional)

Luxury wired controller with failure indication function provided. A more user friendly interface is possible. If the airflow direction needs to be changed as a result of an altered room layout or due to the mode selected, the air direction of each vane can be set independently using the wired controller.



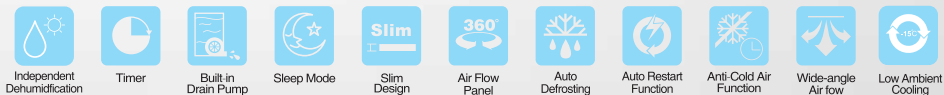
## Super Slim Design



DC Inverter

R-410A

## Standard Features



## Optional Features



# Cassettes Single and Multi

## Specification

Free match universal indoor      Free match single zone indoor

Indoor / Outdoor	Indoor	MCA2U-12HRFNI-M	MCA2U-18HRFNI-M	MCD-24HRFNI-MW	MCD-36HRFNI-M	MCD-48HRFNI-M
<b>BOM Code</b>	Outdoor	MOC-12HFNI-MVOW	MOF-18HFNI-MUOW	MOG-24HFNI-MTOW	MOU-36HFNI-M	MOU-48HFNI-M
	Indoor	220042300220	220042400990	220042501130	220042701230	220042801250
	Outdoor	220037505540	220037804380	220038003780	220075502580	220075702490
<b>MAC Model</b>	Indoor	MEH-12FVC2	MEH-18FVC2	MEH-24FVC2	MEH-36FVC2	MEH-48FVC2
	Outdoor	MCHU-12AVH2	MCHU-18AVH2	MCHU-24AVH2	MCHU-36FVH2	MCHU-48FVH2
<b>Performance</b>						
<b>Nominal Cooling</b>	BTU/H	12000(4800-14000)	18000(6120-19260)	24000(9600-28800)	36000(9800-42000)	46000(11600-49000)
<b>Nominal Heating</b>	BTU/H	12000(4550-15340)	18000(4800-20800)	24000(9600-28800)	36000(9800-42000)	47000(11600-49000)
<b>SEER</b>		16.5	16.5	16	15	15.5
<b>HSPF</b>		9	8.2	9	9	9
<b>EER</b>		10	9.3	10	8	8.8
<b>Cooling Operating Range</b>	F ° Degrees	5-122	5-122	5-122	5-122	5-122
<b>Heating Operating Range</b>	F ° Degrees	5-86	5-86	5-86	5-86	5-86
<b>Electrical</b>						
<b>Voltage / Phase / Frequency</b>		208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60	208-230/1/60
<b>Recommended In / Out Cable</b>		14 AWG/4 (Stranded) conductor	14 AWG/4 (Stranded) conductor	14 AWG/4 (Stranded) conductor	14 AWG/4 (Stranded) conductor	14 AWG/4 (Stranded) conductor
<b>Minimum Circuit Ampacity</b>	Amps	9	13	15	30	35
<b>Recommended Fuse Size</b>	Amps	15	20	25	50	55
<b>Specification</b>						
<b>Air Circulation Hi / Med / Low</b>	CFM	365/306/241	365/306/241	824/736/589	1059/942/824	1189/1001/853
<b>Indoor Noise Level: Hi/Med/Low</b>	DBa	50/47/43	50/47/43	51/47/43	52/47/44	52/48/44
<b>Outdoor Noise Level Cooling</b>	DBa	54	60	60	66	64
<b>Outdoor Noise Level Heating</b>	DBa	54	60	60	66	64
<b>Air Direction Horizontal</b>	Deg Angle	Automatic	Automatic	Automatic	Automatic	Automatic
<b>Air Filter</b>	Type	Washable	Washable	Washable	Washable	Washable
<b>Connection</b>		Flare	Flare	Flare	Flare	Flare
<b>Combined Maximum Length</b>	Feet	82	98	164	213	213
<b>Maximum Vertical Differential</b>	Feet	26.2	26.2	26.2	26.2	26.2
<b>Connection Pipe Size Suction</b>	Inches	1/2	1/2	5/8	5/8	5/8
<b>Connection Pipe Size Discharge</b>	Inches	1/4	1/4	3/8	3/8	3/8
<b>Physical</b>						
<b>Net Weight (Indoor / Outdoor)</b>	LBS	35 / 74	40 / 103	45 / 130	55 /161	64 / 220
<b>Height Condensing Unit</b>	Inches	23 1/4	27 9/16	33 7/8	38	53 7/8
<b>Depth Condensing Unit</b>	Inches	11 1/4	12 5/8	12 3/8	13 5/8	15 7/16
<b>Width Condensing Unit</b>	Inches	29 15/16	33 1/4	35 7/16	39	36 15/16
<b>Height Evaporator</b>	Inches	26	26	26 9/16	26 9/16	26 9/16
<b>Depth Evaporator</b>	Inches	8	8	9 1/4	9 1/4	9 1/4
<b>Width Evaporator</b>	Inches	40	40	42 1/16	50 9/16	65
<b>Refrigerant</b>	Oz	R410a/44.09	R410a/67	R410a/85.7	R410a/97	R410a/152
<b>Refrigerant piping - Liquid side/ Gas side</b>	mm(Inch)	6.35/12.7(1/4"/1/2")	6.35/12.7(1/4"/1/2")	9.52/15.9(3/8"/5/8")	9.52/15.9(3/8"/5/8")	9.52/15.9(3/8"/5/8")