



Light Commercial Airconditioners



Corporate Introduction

Midea Group

From its humble beginnings in 1968, Midea has developed into a large corporation, covering HVAC, appliances, lighting, industrial components, logistics, and real estate. Midea has created over 150,000 jobs all over the world. In addition to providing quality goods to consumers worldwide, Midea is a responsible corporate citizen, and has contributed to several social causes.

Midea believes in creating value through rapid response to market demands, cost-efficient operations and consumer satisfaction. As a result, Midea wields vast production capacities to meet these demands, a fully integrated manufacturing process, and a comprehensive range of affordable, high-quality products to serve its customers.




































Midea CAC (MCAC)

As a key part of Midea Group, the Midea Central Air Conditioner (CAC) Business Unit is a professional CAC products supplier and commercial products solution expert. Since 1999 Midea central air-conditioner contributes to the commercial product R&D and technology innovation. By cooperating with the international enterprises plus the independent R&D, Midea CAC achieves big success in the commercial air-conditioner market and has established thousands of sample projects all over the world.

Right now Midea CAC is one of the most professional CAC products supplier as well as the professional project solution provider in marketing, sales, project design and after service etc.



Product Line-up»

Category	BEE Star	Cassette	Inverter Cassette	Medium Static Ductable	High Static Ductable	Floor Standing
18 K				 MCAD18WYC2		
		 MCAC18RY1C2				 MCAF18RY1C2
		 MCAC18RY2C2				 MCAF18RY2C2
			 MCAI018RY3CR3			
24 K				 MCAD24WYC2		
		 MCAC24RY1C2				 MCAF24RY1C2
		 MCAC24RY2C2				 MCAF24RY2C2
			 MCAI024RY3CR3			
36 K			 MCAI036RY1CR3S			
		 MCAC36RSC2	 MCAI036RY0CR3T	 MCAD36WSC2		 MCAF36RSC2
48 K		 MCAC48RSC2	 MCAI048RY0CR3T			 MCAF48RSC2
50 K				 MCAD50WSC2		
66 K					 MCAD066WSC2	
102 K					 MCAD102WSC2	
132 K					 MCAD132WSC2	
204 K					 MCAD204WSC2	

Contents »

06 Cassette ACs
 07 Inverter Cassette ACs
 10 Medium Static Ductable ACs

11 High Static Ductable ACs
 14 Floor Standing ACs



Cassette ACs

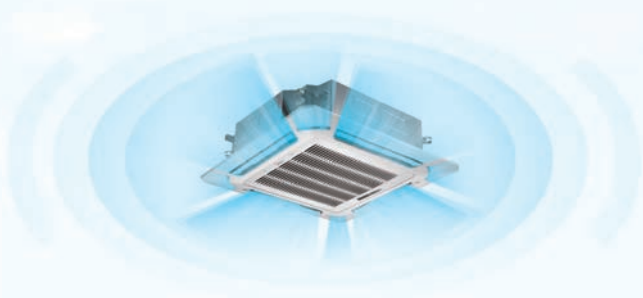
OUTSTANDING FEATURES

Cassette ACs



360° Air Flow Panel >>

With the 360° air flow panel, the air can be distributed to every corner of the room.



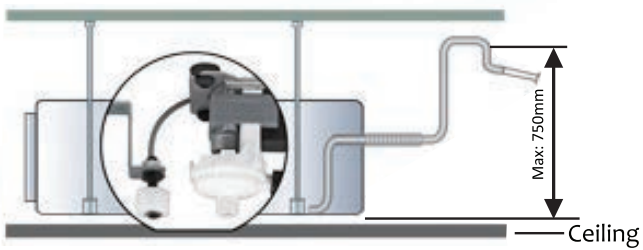
Fresh Air >>

Air outside can be led into the room via a connection pipe, which keeps the indoor air fresh and healthy.



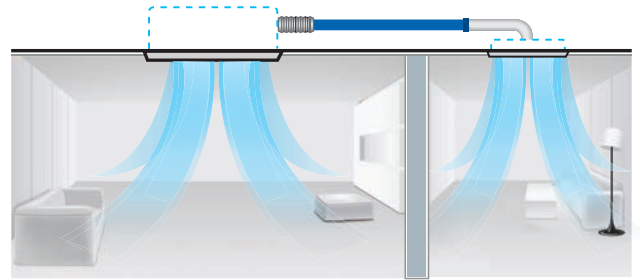
Built-in Drain Pump >>

Built-in water pump whose pump head is 750 mm upmost. It's convenient to install drainage piping under any space condition.



Reserved Air Outlet >>

Reserves the space for air outlet from the indoor side. It's availed to connect air duct from the four sides to the nearby rooms.



Self-diagnosis and Auto-protection >>

In case of abnormal operation or parts failure, the unit will shut off automatically to protect the system. Meanwhile it will indicate protection or error code for fast servicing.



Wire Controller (Optional) >>

Wire controller can be fitted on the wall to avoid mislaying. It makes Airconditioner controls more convenient.



OUTSTANDING FEATURES

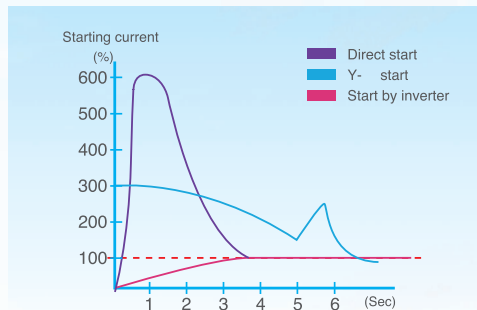
Inverter Cassette ACs
(Hot & Cold)



Intelligent soft start technology >>

The DC inverter compressor's soft start function reduces strike to the electric network. This high-performance and low noise DC inverter compressor operates at a faster rate when starting, reducing start-up time. It also helps the unit to quickly adjust the room temperature to the set level. (In Inverter Range only)

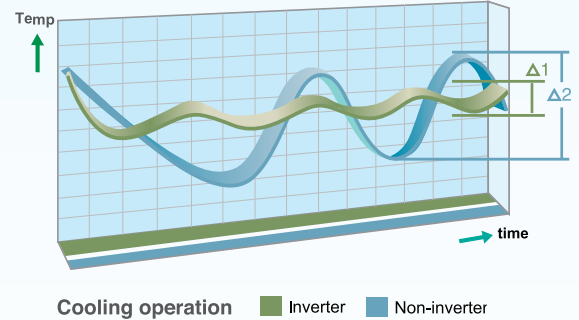
Comparison of start by inverter and by traditional methods



Quick warm-up and cool-down design >>

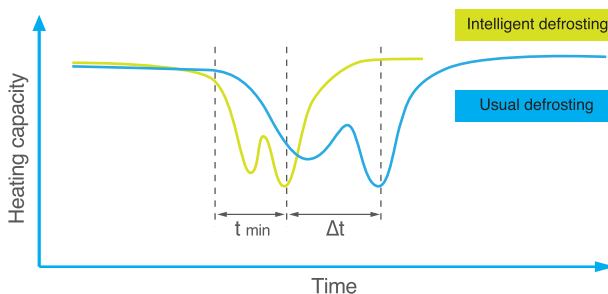
By utilizing the benefits of DC inverter compressors, the system can reach full load quickly and shorten the warm-up and cool-down times to provide an immediate and comfortable air solution. Less temperature fluctuation will create a better living environment. (In Inverter Range only)

Fluctuation of room temperature



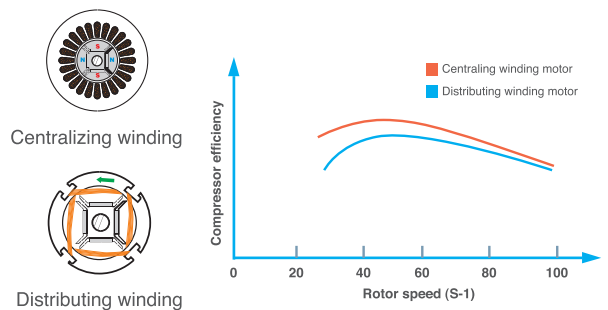
Intelligent defrosting technology >>

Intelligent defrosting program will judge the defrosting time according to the system's real requirement, reducing the heating loss by unnecessary defrosting and making the indoor side more comfortable. (In Inverter Range only)



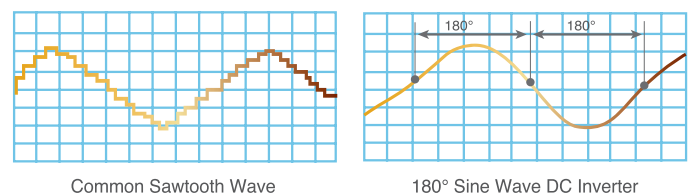
High efficient DC Inverter Compressor >>

Inverter achieves the industry's top class energy efficiency of cooling and heating by utilizing the Brushless Reluctance DC compressor and its control. High efficiency DC inverter compressor saves power consumption by 25%. (In Inverter Range only)



Smooth rotation Smooth 180° sine wave DC inverter >>

Improves the compressor's operation efficiency sharply. Effectively controls the harmonic current and electromagnetic noise, and fully passes the international EMC test. (In Inverter Range only)





Cassette ACs							
Model No.		MCAC18RY1C2	MCAC18RY2C2	MCAC24RY1C2	MCAC24RY2C2	MCAC36RSC2	MCAC48RSC2
Tonnage Category	TR	1.5	1.5	2.0	2.0	3.0	4.0
Nominal Cooling Capacity*	Watts	5275*	5340*	6200*	6380*	10600#	14067#
ISEER**	W/W	3.22	3.38	3.22	3.33	NA	NA
Annual Power Consumption**	KWH	1269.53	1233.09	1490.16	1482.41	NA	NA
BEE Star						NA	NA
Power Supply		1 Phase, 220~240 V, 50 Hz				3 Phase, 380~415 V, 50 Hz	
Indoor unit	Airflow	H/M/L	m ³ /h	1220/1010/820		1648/1501/1326	
	Sound Level	H/M/L	dB(A)	47/40/35		50/45/43	
	Net Dimensions	Unit (WxDxH)	mm	840x840x230		840x840x300	
		Panel (WxDxH)	mm	950x950x55			
Net Weight	Unit/ Panel	Kg	24 / 5		28/5		
Outdoor unit	Compressor	Type	Rotary			Scroll	
	Refrigerant	Type	R410A				
	Net Dimensions	WxDxH	mm	780x250x540	900x320x670	845x320x700	900x320x820
	Net weight	Unit	Kg	36	46	48	64 70
	Operating Temp Range		°C	18 ~ 50			
Pipe Connections	Liquid (Flare)	mm/Inch	Ø6.35 - 1/4"		Ø9.52 - 3/8"		
	Gas (Flare)	mm/Inch	Ø12.7 - 1/2"		Ø15.9 - 5/8"		Ø19.05 - 3/4"
	Drain	mm/Inch	OD Ø32 - 1 1/4"				
Max. Inter-unit Pipe Length	meters	20		25		30	
Max. Installation Level Difference	meters	8		10			
Standard Controller (Remote)		Wireless Controller					

Inverter Cassette ACs							
Model No.		MCAI018RY3CR3	MCAI024RY3CR3	MCAI036RY1CR3S	MCAI036RY0CR3T	MCAI048RY0CR3T	
Tonnage Category	TR	1.5	2.0	3.0	3.0	4.0	
Nominal Cooling Capacity*	Watts	5300	6300	10600	10700	14068	
ISEER**	W/W	3.69	3.66	3.28	3.15	3.12	
Annual Power Consumption**	KWH	1111.93	1333.35	2502.35	2626.30	3489.99	
BEE Star					NA	NA	
Power Supply		1 Phase, 220~240 V, 50 Hz			3 Phase, 380~415 V, 50 Hz		
Indoor Unit	Airflow	H/M/L	m ³ /h	1220/1010/820		1648/1501/1326	
	Sound Level	H/M/L	dB(A)	47/40/35		50/45/43	
	Net Dimensions	Unit (WxDxH)	mm	840x840x230		840x840x300	
		Panel (WxDxH)	mm	950x950x55			
Net Weight	Unit/ Panel	Kg	24 / 5		28/5		
Outdoor Unit	Compressor	Type	DC Inverter Rotary				
	Refrigerant	Type	R32				
	Dimensions	Unit (WxDxH)	mm	780x250x540	845x320x700	900x320x820	
	Net Weight	Unit	Kg	36	48	53	59 61
	Operation Temp Range		°C	18 ~ 52			
Pipe Connections	Liquid (Flare)	mm/Inch	Ø6.35 - 1/4"		Ø9.52 - 3/8"		
	Gas (Flare)	mm/Inch	Ø12.7 - 1/2"		Ø15.9 - 5/8"		Ø19.05 - 3/4"
	Drain	mm/Inch	Ø32 - 1 1/4"				
Max. Inter-unit Pipe Length	Meters	30		50			
Max. Installation Level Difference	Meters	20		20			
Standard Controller (Remote)		Wireless Controller					

Nominal Cooling capacity.

* All specifications as per IS1391 (Part 2) : 1992 Room air-conditioner.

** BEE (Bureau of Energy Efficiency) an autonomous body under Ministry of Power, Government of India, started this initiative of star rating basis ISEER ranging from 1 Star to 5 Star, Annual Electricity Consumption (Units of kWh basis 1600 hrs), Applicable upto 3.0TR 1PH product.



Ductable ACs

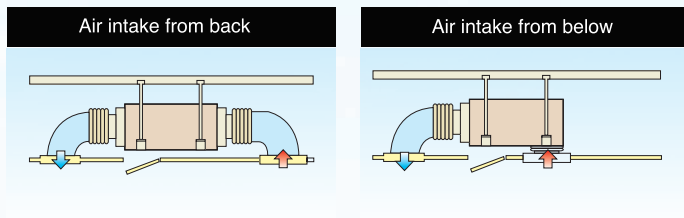
OUTSTANDING FEATURES

Medium Static Ductable ACs (MSD)



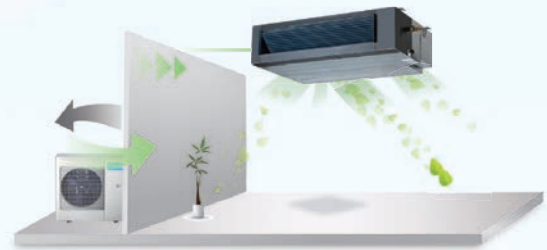
Flexible Air Intake >>

Air inlet from back comes as standard whereas air inlet from below is optional. The size of the plate 'from bottom' and flange 'from back' is the same, it's easy for installer to change the air inlet from back to bottom. (In MSD Range only)



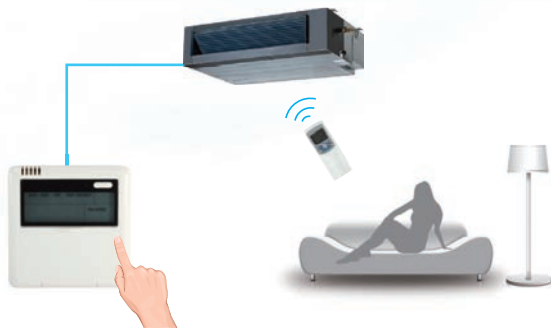
Fresh Air >>

Air outside can be led into the room via a connection pipe, which keeps the indoor air fresh and healthy. (In MSD Range only)



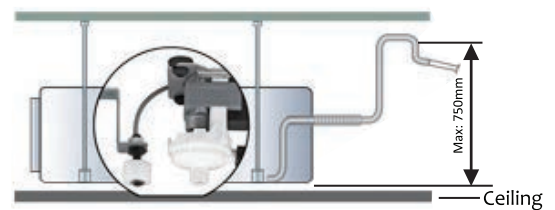
Wireless Controller (Optional) >>

Wireless Controller makes Airconditioner control more convenient.



Drain Pump (Optional) >>

Midea Ductable Ac Range offers great flexibility in Drain Pump installation. It has water lifting capacity of upto 750mm.



Scroll Compressor* >>

High volumetric efficiency with low power consumptions make the compressor more efficient. Its lesser moving parts enable to less wear & tear and quiet operation. Its liquid handling capability make the compressor more sturdy, trouble free and reliable.

*3 TR and above having scroll compressor.



OUTSTANDING FEATURES

High Static
Ductable ACs (HSD)



Easy Maintenance & Serviceability >>

Unit is designed for easy access to the service panel at the bottom of the indoor Unit and Side Panel in the Outdoor Unit thus making maintenance more convenient.



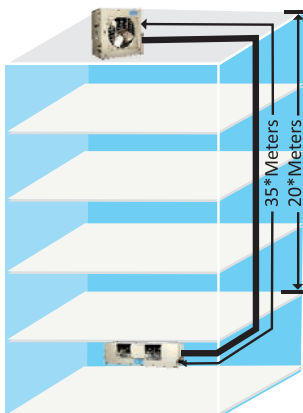
Sleek Design >>

Unit height starts from 345*mm, leaving more space for clear ceiling height. (In 66K HSD Unit only)



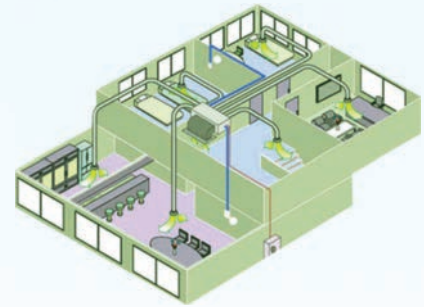
Longer Pipe Length >>

Longer pipe length provides greater flexibility for positioning of the Outdoor Unit. This facilitates building elevation and better serviceability space. (In HSD Range only)



High Air Outlet Static Pressure >>

350*Pa static pressure of indoor unit provides long air supply & ensures flexibility in installation and positioning of IDU and ODU. Thus maintaining the interior aesthetics. (In HSD Range only)



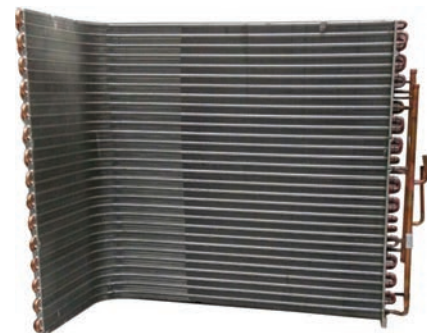
Power Scanner >>

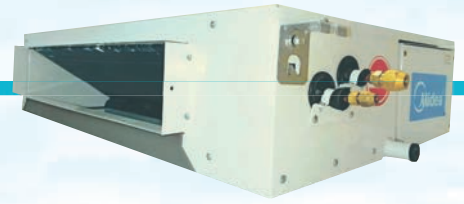
Power Scanner safe-guards from all power related problems be it 'Under of Reverse' Phase, Voltage imbalance, Phase loss. Forget your power issues and experience trouble free performance.



High Performance Condenser Coil >>

Condenser coil made of 5 mm dia copper tube wrapped with super slit sine wave aluminium fines having better heat transfer efficiency (Gas to copper tube) due to increase in primary surface area of copper.





Auto Restart



Self-Diagnosis & Auto Protection



Timer



Sleep Mode



LED Display



Heat Exchanger



Independent Dehumidifier



Rust Free Cabinet



Hydrophilic Fins



Wired Controller



Scroll* Compressor



Fresh Air™



Airfilter™



Drain Pump



Wireless Controller

● Standard Features (M-MSD & H-HSD)

○ Optional Features (M-MSD & H-HSD)

Technical Specification			Medium Static Ductable ACs				
Model No.			MCAD18WYC2	MCAD24WYC2	MCAD36WSC2	MCAD50WSC2	
Tonnage Category		TR	1.5	2.0	3.0	4.2	
Nominal Cooling Capacity		Watts	5275	7033	10600	14600	
Power Supply			1 Phase, 220~240 V, 50 Hz		3 Phase, 380~415 V, 50 Hz		
Indoor unit	Airflow	H/M/L	m3/h	925/740/652	1715/1467/1077		2612/2292/2088
	Sound Level	H/M/L	dB(A)	40/34/33	49/40/38		53/49/42
	Net Dimensions	Unit (WxDxH)	mm	880x602x210	1005x603x270		1200x725x345
	Net Weight	Unit	Kg	23	29	30	50
Outdoor unit	Compressor		Type	Rotary		Scroll	
	Refrigerant		Type	R410A			
	Net Dimension	Unit (WxDxH)	mm	780x250x540		900x320x820	
	Net Weight	Unit	Kg	36	37	64	70
	Operating Temp Range		°C	18 ~ 50			
Pipe Connections	Liquid (Flare)	mm/Inch	Ø6.35 - 1/4"		Ø9.52 - 3/8"		
	Gas (Flare)	mm/Inch	Ø12.7 - 1/2"		Ø15.9 - 5/8"		Ø19.05 - 3/4"
	Drain	mm/Inch	OD Ø25.4 - 1"				
Max. Inter-unit Pipe Length		meters	20	25	30		
Max. Installation Level Difference		meters	8	10			
Standard Controller (Remote)			Wired Controller				

Technical Specification			High Static Ductable ACs					
Model No.			MCAD066WSC2	MCAD102WSC2	MCAD132WSC2	MCAD204WSC2		
Tonnage Category		TR	5.5	8.5	11.0	17.0		
Nominal Cooling Capacity		Watts	19343	29894	38687	59789		
Power Supply			3 Phase, 380~415 V, 50 Hz					
Indoor Unit	Indoor Unit Qty.		No's	1	1	1	1	
	Airflow	H/M/L	m3/h	3740	5780	7476	11560	
	Net Dimensions	Unit (WxDxH)	mm	1200x725x345	1620x675x460	1875x700x460	2150x850x560	
	Net Weight	Unit	Kg	50	77	111	170	
Outdoor Unit	Outdoor Unit Qty.		No's	1	1	2	2	
	Compressor		Type	Scroll				
	Refrigerant		Type	R410A				
	Net Dimensions	Unit (WxDxH)	mm	900x320x820	900x580x960	900x320x820	900x580x960	
	Net Weight	Unit	Kg	75	117	75	117	
Operating Temp Range		°C	18 ~ 50					
Pipe Connections	Liquid (Flare)	mm/Inch	Ø 12.7 - 1/2"		Ø 12.7 - 1/2"		Ø15.9 - 5/8"	
	Gas (Brazing)	mm/Inch	Ø22.22 - 7/8"		Ø28.58 - 1 1/8"		Ø22.22 - 7/8"	Ø28.58 - 1 1/8"
	Drain	mm/Inch	Ø15.9 - 5/8"		Ø25.4 - 1"			
Max. Inter-unit Pipe Length		meters	35					
Max. Installation Level Difference		meters	20					
Standard Controller (Remote)			Wired Controller					

Nominal Cooling capacity.

* All specifications as per IS1391 (Part 2) : 1992 Room air-conditioner.

** BEE (Bureau of Energy Efficiency) an autonomous body under Ministry of Power, Government of India, started this initiative of star rating basis ISEER ranging from 1 Star to 5 Star, Annual Electricity Consumption (Units of kWh basis 1600 hrs), Applicable upto 3.0TR 1PH product.



Floor Standing ACs

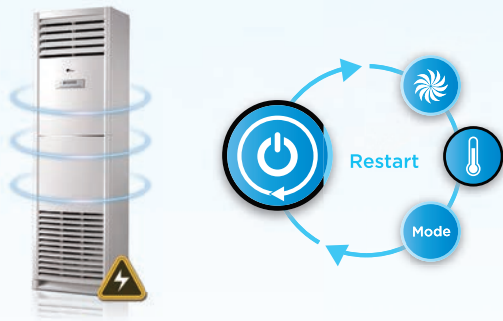
OUTSTANDING FEATURES

Floor Standing ACs



Auto-Restart >>

If the air conditioner switches off unexpectedly due to the power cut, it will restart the previous function setting automatically when the power resumes.



Self-diagnosis and Auto-protection >>

Once abnormal operation or parts failure happens, the unit will shut off automatically to protect the system. Meanwhile it will indicate protection or error code for fast servicing.



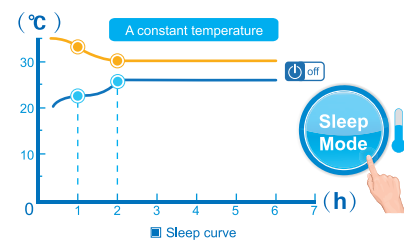
Wireless Controller >>

Apart from panel controller, Wireless Controller make Airconditioner control more convenient.



Sleep Mode >>

The function enables the air conditioner to automatically increase cooling or decrease heating 1°C per hour for the first two hours, then holds steady for the next 5 hours, after that it will switch off. This function maintains both energy saving and comfort in night.



Auto Swing Air Flow >>

Auto swing function ensures an even distribution of air throughout the room.





Auto Restart



Self-Diagnosis & Auto Protection



Auto Swing



Timer



Sleep Mode



LCD Display



Wireless Controller



Cleanable Panel



Independent Dehumidifier



Scroll* Compressor



Lock



Rust Free Cabinet



Hydrophilic Fins



Heat Exchanger

● Standard Features

○ Optional Features

Technical Specification Floor Standing ACs

Model No.		MCAF18RY1C2	MCAF18RY2C2	MCAF24RY1C2	MCAF24RY2C2	MCAF36RSC2	MCAF48RSC2		
Tonnage Category	TR	1.5	1.5	2.0	2.0	3.0	4.0		
Nominal Cooling Capacity*	Watts	5150*	5275*	6300*	6400*	10600#	14000#		
ISEER**	W/W	3.14	3.36	3.15	3.32	NA	NA		
Annual Power Consumption**	KWH	1269.53	1215.35	1548.21	1494.03	NA	NA		
BEE Star						NA	NA		
Power Supply		1 Phase, 220~240 V, 50 Hz				3 Phase, 380~415 V, 50 Hz			
Indoor unit	Airflow	H/L	ms/h			1060/900		1802/1595	
	Sound Level	H/L	dB(A)			45.6/41.8		57/52	
	Net Dimensions	Unit (WxDxH)	mm			510x315x1750		550x350x1800	
	Net Weight	Unit	Kg			36		49	
Outdoor unit	Compressor	Type	Rotary				Scroll		
	Refrigerant	Type	R410A						
	Net Dimensions	Unit (WxDxH)	mm	780x250x540	900x320x670	845x320x700		900x320x820	
	Net Weight	Unit	Kg	36	46	48	49	62	64
	Operating Temp Range	°C	18 ~ 50						
Pipe connections	Liquid (Flare)	mm/Inch	Ø9.52 - 3/8"						
	Gas (Flare)	mm/Inch	Ø15.9 - 5/8"				Ø19.05 - 3/4"		
	Drain	mm/Inch	OD Ø32 - 1 1/4"						
Max. Inter-unit Pipe Length	meters	20		25		30			
Max. Installation Level Difference	meters	8		10					
Standard Controller		Wired Controller							

Nominal Cooling capacity.

* All specifications as per IS1391 (Part 2) : 1992 Room air-conditioner.

** BEE (Bureau of Energy Efficiency) an autonomous body under Ministry of Power, Government of India, started this initiative of star rating basis ISEER ranging from 1 Star to 5 Star, Annual Electricity Consumption (Units of kWh basis 1600 hrs), Applicable upto 3.0TR 1PH product.



Carrier Midea India Pvt. Ltd.
1st Floor, Pearl Tower, Plot No. 51,
Institutional Area, Sector 32,
Gurgaon - 122001, Haryana,
Ph: - 0124 6144300



Carrier Midea India Pvt. Ltd.
Factory Address: Plot No.10A, Sector 5,
GC-Bawal, Rewari - 123501, Haryana,
Ph:- 0128 4266300



www.carriermideaindia.com



Service Helpline
1800 3000 00 11



www.facebook.com/mideaindia



LinkedIn: Carrier Midea India



mideacare@carriermidea.com

For more details, please contact Carrier Midea India Pvt. Ltd:

REGISTERED OFFICE: 1st Floor, Pearl Tower, Plot No 51, Institutional Area, Sector 32, Gurgaon-122001, Haryana.

SALES OFFICE: **Ahmedabad:** 9099320202, **Bengaluru:** 080-25520566, **Bhubaneswar:** 0674-2564693/2565478, **Chennai:** 044-66924747, **Coimbatore:** 0422-4385403/4384151, **Delhi, Haryana:** 0124-6144300, **Ghaziabad:** 0120-4102859/4102860, **Guwahati:** 9401624926, **Hyderabad:** 040-66440153, **Indore:** 0731-2431016/2535016, **Jaipur:** 0141-5108901-05, **Kochi:** 0484-2205333/2207722, **Kolkata:** 0-9051111380, **Lucknow:** 9559296669, **Ludhiana:** 0161-5203421, **Mumbai:** 022-30930200, **Nagpur:** 9561093932, **Patna:** 0612-2325002/2325012, **Pondicherry:** 9841371033, **Pune:** 7387707778, **Raipur:** 0771-4011245/4010245, **Rachi:** 9178664290.

Note : Data shown here in at the rated test condition. As a continuous policy of product improvement, the design and specification are subjected to change without prior notice. T & C apply.
All the specification as per IS 1391 (part-2): 1992 Room Airconditioner. Data rounded off as per IS: 1960 rules of rounding off numerical value.