DAIKIN

WORLD'S NO.1 AIRCONDITIONING COMPANY FROM JAPAN

VERSATILITY IS THE MARK OF PERFECTION

AIR COOLED PACKAGED & ROOFTOP AIR CONDITIONERS

High Static Duct Series
Floor Standing Series
Rooftop Series

FD75/100CV1M
R-22

FD125BY1M
FD150BAY1M
R-22

• HIGH STATIC DUCT TYPE •

DIRECT AIR BLOW TYPE
FVGR
R-410A

DUCT CONNECTION TYPE
FVPGR
R-410A

• FLOOR STANDING TYPE •

M5RT
R-410A

M4RT
R-407C

MRT
R-22

• ROOFTOP SERIES •

Ductable Line-up DAIPL-PA23B

R-22 R-410A R-407C

Daikin believes in spreading love through airconditioning.

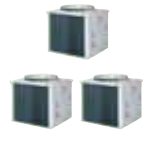
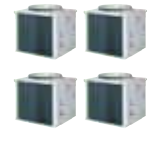
Originated in Japan it is now the world's leading air conditioner manufacturer. Daikin has brought its love to the Indian front through its wide range of products and revolutionary features.

Providing its customers with the best in airconditioning, today Daikin offers a span of products in the residential and commercial segment. Its air-cooled ductable air conditioners provide ideal cooling for commercial purposes. Daikin's package air conditioners are energy efficient and also environment friendly with its R-410A refrigerant that aids in keeping the environment healthy. Experience Daikin airconditioning and experience love like never before.

HIGH STATIC PRESSURE DUCT TYPE — Cooling only

R-22

Capacity [1, 2]	HP	7	10	12.5	15	20	25
	kW	20.5	29.3	36.6	44.0	58.6	73.3
	Btu/h	70,000	100,000	125,000	150,000	200,000	250,000
	kcal/h	17,600	25,200	31,500	37,800	50,400	63,000
	TR	5.8	8.3	10.4	12.5	16.7	20.8
Indoor unit							
		FD75CV1M	FD100CV1M	FD125BY1M	FD150BAY1M	FD200B2Y1M	FD250B2Y1M
Outdoor unit							
		R72CY1ME	R100BAY1ME	R125BY1ME	R150CAY1ME	R100BAY1ME x 2	R125BY1ME x 2

Capacity [1, 2]	HP	30	35	40	45	50	60
	kW	87.9	102.6	117.2	131.9	146.5	175.8
	Btu/h	300,000	350,000	400,000	450,000	500,000	600,000
	kcal/h	75,600	88,200	100,800	113,400	126,000	151,300
	TR	25.0	29.2	33.3	37.5	41.7	50.0
Indoor unit							
		FD300B2Y1M	FD350B3Y1M	FD400B4Y1M	FD450B3Y1M	FD500B4Y1M	FD600B4Y1M
Outdoor unit							
		R150CAY1ME x 2	R100BAY1ME RA125BY1ME x 2	R100BAY1ME x 4	R150CAY1ME x 3	R125BY1ME x 4	R150CAY1ME x 4

• Nominal cooling and heating capacity are based on the following conditions: Cooling - 27°CDB/19°CWB indoor and 35°CDB/24°CWB outdoor. • Please see the specification table for exact measurements of the indoor and outdoor units.

Product Line Up

FLOOR STANDING TYPE Cooling only

R-410A

Capacity [1,2]	HP	5	6	8	10	13	15	18	20
	kW	**14.7**	**17.6**	**23.5**	**29.3**	**35.2**	**46.9**	**52.8**	**58.6**
	Btu/h	50,000	60,000	80,000	100,000	120,000	160,000	180,000	200,000
	kcal/h	12,600	15,100	20,200	25,200	30,200	40,300	45,400	50,400
	TR	4.2	5.0	6.7	8.3	10.0	13.3	15.0	16.7
FLOOR STANDING TYPE	**DIRECT AIR BLOW TYPE** Indoor unit	 FVGR05NV1	 FVGR06NV1	 FVGR08NV1	 FVGR10NV1				
	Outdoor unit	RUR05NY1	RUR06NY1	RUR08NY1	RUR10NY1				
	DUCT CONNECTION TYPE Indoor unit				 FVPGR10NY1	 FVPGR13NY1	 FVPGR15NY1	 FVPGR18NY1	 FVPGR20NY1
	Outdoor unit				RUR10NY1	RUR13NY1	RUR15NY1	RUR18NY1	RUR20NY1
	OUTDOOR UNIT								

Product Line Up

AIR COOLED ROOFTOP*

R-410A

Capacity	HP	10	14	17	21	25	28
	KW	**27.3**	**35.6**	**44.7**	**55.7**	**66.8**	**72.6**
	Btu/h	93300	121400	152600	190000	228000	47700
	kcal/h	23512.4	30598.8	38459.2	47893.4	57465.2	62436
	TR	7.8	10.1	12.7	15.8	19.0	20.6
AIR COOLED ROOFTOP M5RT SERIES -R410A		 M5RT 90 BR	 M5RT 120 BR	 M5RT 150 BR	 M5RT 180 BR	 M5RT 210 BR	 M5RT 250 BR

R-407C

Capacity	HP	7	8	11	12	16	21	26	32	37	46
	KW	**17.3**	**21.1**	**27.8**	**32.2**	**41.0**	**55.7**	**67.4**	**82.9**	**97.0**	**121.6**
	Btu/h	59000	72000	95000	110000	140000	190000	230000	283000	331000	415000
	kcal/h	14878	18146.9	23944.1	27724.7	35285.8	47888.2	57969.2	71327.5	83426.0	104596.64
	TR	4.9	6.0	7.9	9.2	11.7	15.8	19.2	23.6	27.6	34.6
AIR COOLED ROOFTOP M4RT SERIES -R407C		 M4RT 060A	 M4RT 080A	 M4RT 100A	 M4RT 120A	 M4RT 150A	 M4RT 200A	 M4RT 250A	 M4RT 300A	 M4RT 360A	 M4RT 420A

R-22

Capacity	HP	6	7	9	11	13	17	22	28	33	37	45
	KW	**15.8**	**17.3**	**23.5**	**29.3**	**34.0**	**44.0**	**58.6**	**73.3**	**87.9**	**96.4**	**118.4**
	Btu/h	54000	59000	80000	100000	116000	150000	200000	250000	300000	329000	404000
	kcal/h	13610.4	14870.3	20167.0	25198.0	29240.0	37840.0	50396.0	63012.2	75615.5	82921.2	101832.6
	TR	4.5	4.9	6.7	8.3	9.7	12.5	16.7	20.8	25.0	27.4	33.7
AIR COOLED ROOFTOP MRT SERIES -R22		 MRT 055A	 MRT 060A	 MRT 080A	 MRT 100A	 MRT 120A	 MRT 150A	 MRT 200A	MRT 250A	MRT 300A	MRT 360A	MRT 420A

*Note: M5RT - Heat Pump

M4RT & MRT - Available in cooling only & heat pump

AIR COOLED DUCTABLE

AIR CONDITIONERS R-22

HIGH STATIC PRESSURE DUCT TYPE

FD75/100CV1M

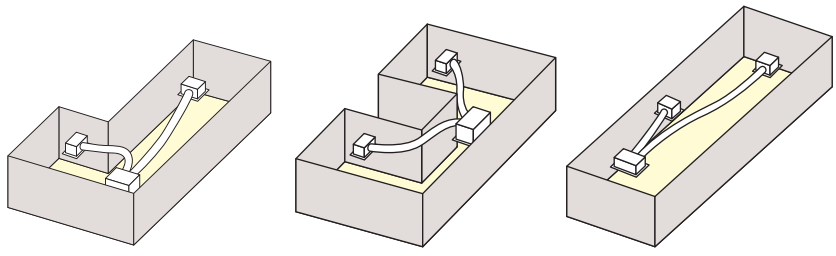
FD125BY1M/FD150BAY1M

Cooling Only [50Hz]

Comfortable

- **Superior air distribution for comfortable living**

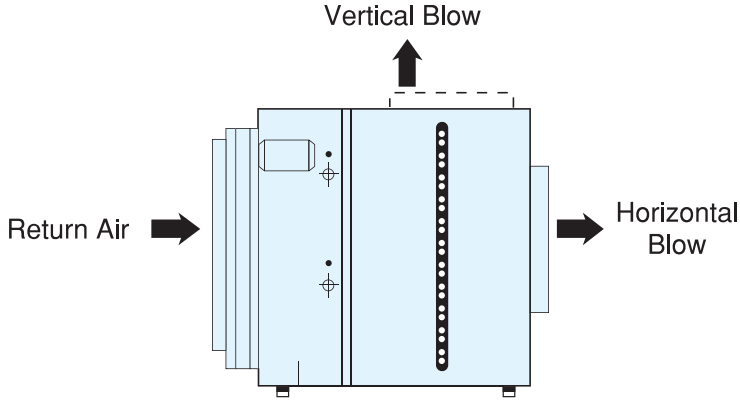
  The conditioned air can be effectively distributed to every corner of the room through the ducting and this ensures a pleasant environment for comfortable living.



L-shaped room U-shaped room Long room

- **Air discharge orientation**

  FD75-200 models come with standard horizontal air discharge.
  FD250-500 models only come with standard vertical air discharge and they can be converted to horizontal air discharge at the site. FD250-500B models with horizontal air discharge are not offered from factory. FD600B models are offered in vertical and horizontal air discharge as standard by differentiate of nomenclature.



- **Flexibility of air supply**

  FD 125-600 models use belt driven blower to adjust air volume and static according to the requirement.

- **Versatility**

  Multiple rooms can be cooled together at the same time by using just one unit of fan coil unit.

- **Fresh air intake for healthy living**

  Fresh air can be introduced into the buling through the design of fresh air intakes. This will help to improve the indoor air quality.

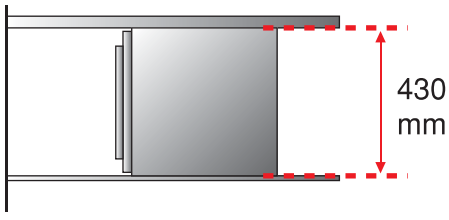
Compact

- **Compact design of built-in type helps blend with interior decor.**

  Indoor models are designed with compact size with twin coil structure. This design effectively saves space while installation.

- **Low Height**

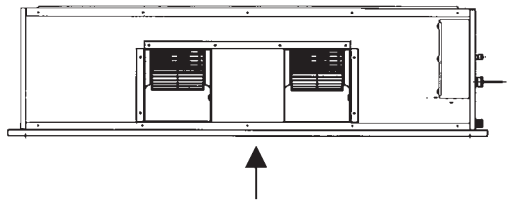
  Both FD75 and FD100 offer lower height at 430mm only. With this, the unit allows more ceiling height space for interior design.



Work & Servicing

- **Eash maintenance**

  The simple design concept has provided the ease of maintenance and servicing. Access to the internal part of the unit can be from the service panel or other side of the unit by loosening a few screws.



Others

- **Air Filter as standard**

  Washable Air Filter is equipped as standard.

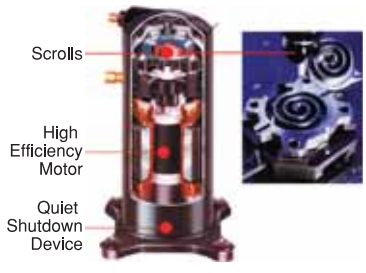
Outdoor Unit

- **Scroll compressor**

  All outdoor units are using scroll compressor which has better energy efficiency and quiet in operation.

- **Anti-corrosion of heat exchanger fin**

  The heat exchanger fin of outdoor units are anti-corrosion treated. (Gold Fin)



Remote Controller

SLM Controller (Standard)

AC5300 Controller (Option)

Sequential Controller (Standard)

AIR COOLED PACKAGED

AIR CONDITIONERS R-410A

Flexible design and great reliability.

FLOOR STANDING TYPE

Nice, cool air in the factory or in the cafeteria

DIRECT AIR BLOW TYPE

FVGR10NV1

RUR10NY1

DUCT CONNECTION TYPE

FVPGR10NY1

RUR10NY1

Enhanced Varieties of Factory Modification and Optional Accessories

○ Standard model
□ Factory modification
■ Contact sales for more infomation

		Floor Standing Type		
		Direct Air Blow	Duct Connection Type	Duct Type
Factory Modificaion	Auto restart	□	□	○
	Modify wiring for central control adapter kit (DAT107A55) installation	□	□	○
	Change fan motor and pulley	–	□	–
	Discharge grill plenum chamber	○	□	–
	Side discharge grillon discharge plenum chamber	□	□	–
	Lower drain pan	–	○	–
	Front suction high efficiency filter chamber	–	□	–
	Front suction base flange for front suction high efficiency filter chamber	–	□	–
	Suction grill for front suction high efficiency filter chamber	–	□	–
	Fresh air inlet	□	□	–
	Rear suction	□	□	–
	Drain pump	□	□	–
	Remote sensor (Thermistor for suction air)	□	□	–
	All fresh air application	■	■	■
	Low outdoor temp.15°C application and long pipe 70m application	■	■	■
Option	Central control adaptor kit (external terminal for ON/OFF, abnormal)[1]	DAT107A55		
	LCD remote controller[2]	BRC1C62		
	Intelligent touch controller[2]	DCS601C51		
	Central remote controller[2]	DCS302CA61		
	Unified ON/OFF controller[3]	DCS301B61		
	Schedule timer[3]	DST301BA61		
	Remote sensor (Thermistor for suction air)[3]	KRCS01-1		
	Remote controller	–		BRC1NU64

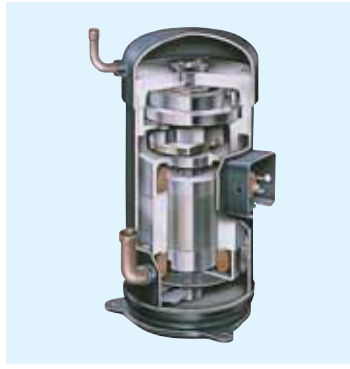
Note:
[1]Wiring modification is needed on floor stand model to connect with central control ADP kit.
[2]Need to use central control adapter kit for option connection.
[3]Central control adapter kit and LCD remote controller is necessary for option connection.

Quiet Operation

Equipped with scroll compressor for quiet operation

Smooth running, low vibration, low operating sound.

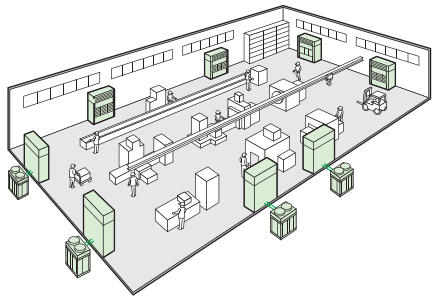
Outdoor unit	Sound level	
	380V	415V
RUR05NY1	59 dB	60 dB
RUR06NY1	59 dB	60 dB



Direct air blow from indoor unit with plenum

Comfortable factory airconditioning using multiple indoor units installed in accordance with the space.
Installation is next to walls, so units will not affect the factory layout even if the changes are made.

■ DIRECT AIR BLOW TYPE

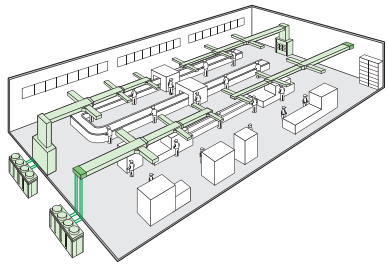


Air blow via connected ducts

Comfortable airconditioning of the entire factory by connecting a blow duct at the top of the indoor unit.

Note: Ducts to be procured locally.

■ DUCT CONNECTION TYPE DUCT TYPE

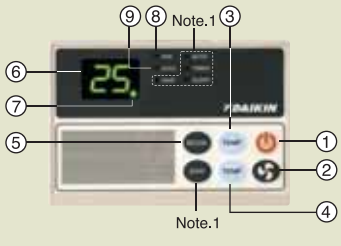


Easy Operation

Digital remote control comes standard with indoor unit.

Temperature setting is possible by button operation. The set temperature is conveniently displayed on the LED.

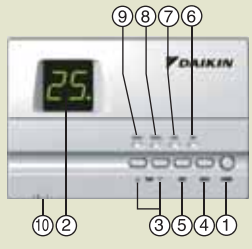
Floor standing type (Standard accessory)



① On/Off button	④ Temp. setting down	⑦ Compressor operation lamp.
② Fan button	⑤ Mode button	⑧ Fan operation lamp.
③ Temp. setting up	⑥ LED display	⑨ Cool operation lamp.

Note.1 It cannot be used for FVPGR10–20NY1

Duct type (optional accessory)

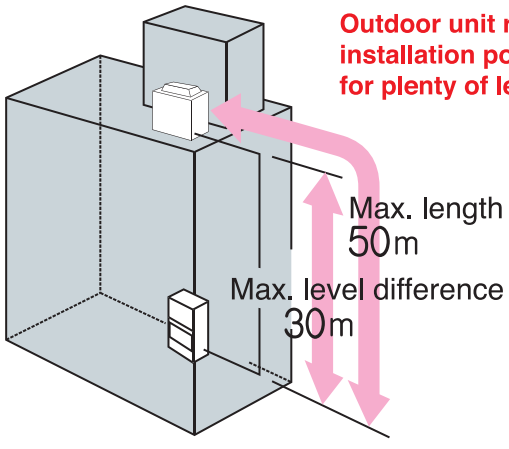


① Power	⑤ Next setting	⑨ Compressor 1 indicator lamp
② Temperature scale	⑥ Fan indicator lamp	⑩ Temperature sensor
③ Temperature setting	⑦ Cool indicator lamp	
④ Mode setting	⑧ Compressor 2 indicator lamp	

Design Flexibility

Designed for long refrigerant piping.

50 m maximum length and 30 m maximum level difference to cover medium and large-scale building needs.



Refrigerant pre-charged for up to 7.5 metres

- Allowable refrigerant pipe length and level difference

	Pre-charged [1]	Max. length	Max. level difference
RUR05NY1-20NY1	7.5 m	50 m (Equivalent length 70 m)	30 m

Note: 1 Additional refrigerant charging is required if the refrigerant pipe is longer than the indicated length.

4-direction piping affords more freedom of layout (Applies to RUR05N/06N)

Piping can be run from the front, bottom, right or rear surface according to how the unit is installed.
In case of RUR08–20N, piping can be drawn out in two directions-front and under side.

Durability

Heat exchange fins provided with anti-corrosion treatment (Applies to all outdoor units)

To achieve increased durability by improved resistance to salt corrosion and atmospheric pollution, coated PE fins (with special acryl pretreatment) are used for the heat exchanger of the outdoor unit.

Space Savings

Installation space is saved thanks to a more compact outdoor unit. This also makes it easier to install.

Previous 20HP outdoor unit
RUG10AUY1 x 2

NEW
RUR20NY1
(20HP)

53%
space saved compared to previous model

AIR COOLED ROOFTOP

AIR CONDITIONERS R-410A

The Comfort with Higher Efficiency

ROOFTOP

ROOFTOP M5RT-BR SERIES

M4RT 250/300/360/420 A/AR

*with optional economiser kit

M5RT 090/120/150/180/210/250 BR

Package Unit

McQuay's new range of rooftop packaged units has been developed specifically to suit commercial applications and are designed to be easy to install, requiring only ducting (and associated fittings), power/ control wiring and drain piping. Along with the light grey colour, the flat top and compact design gives an aesthetic and neat appearance when installed in line of sight. The unit cabinet is made of powder coated sheet metal especially suitable for outdoor use. All parts of the structure are fastened with corrosion resistant screws and bolts.

Base Beam

The base beams are fixed and provide a rigid foundation for the entire unit. The beam has the forklift slots and rigging holes for better handling purpose. It is also designed to allow mounting on a roof curb, the dimension of the roof curb should be followed strictly in accordance with the installation manual.

Flexible Air Supply Utilizing Variable Pitch Pulley

Utilizing the Variable Pitch Pulley (VPP) driven supply fan, VPP can be adjusted on site to meet a wide range of required air flow and ESP, without the need to change the pulley and belt.

Convertible Return And Supply Air

Unit can be easily converted from horizontal to vertical (downward) supply and return air duct configuration by relocating the panels and supply air fan mounting.

Scroll Compressor

Units are equipped with high efficiency and reliable scroll compressors. Each compressor is mounted on rubber vibration isolators in order to reduce the noise level and vibration transmissions.

Powder Coated Condensate Drain Pan

The sheet metal condensate drain pan is powder coated to resist corrosion.

Slots For 2 Inches Return Air Filters

A 2 inches rail is provided as standard in instances where a field supplied filter casement need to be installed.

Higher Energy Efficiency Rating

The M5RT-BR series is designed in line with market requirement for better energy saving. Its' performance is claimed to be among the best in the market.

Standard Handset

Rooftop Panel comprises all starting, operating and safety controls setting. It is connected to the IC module PCB and supplied as standard. Among the shorlistedfeatures of this handset are as following:

- 7 days programmable timer with 3 set of ON/OFF timer/daytimer/day
- Dirty Filter indication
- Alarm & Warning diagnostic
- Password protection for advance setting

Components Features

1 Condenser Fan and Motor

Condenser Fan and Motor Fans are of propeller type, direct driven by weatherproof electrical induction motors. Condenser fan motor has class F insulation and splash-proof enclosure of up to IP55*.
*M5RT210/250BR: IP55
*M5RT90/120/150/180BR: IP44

2 Condenser

Condenser coils are manufactured from seamless inner grooved copper tubes mechanically bonded to aluminium fins to ensure aluminium fins to ensure optimum heat transfer. All coils are tested against by Nitrogen holding at 609psig and highly precise Helium leak test at 235psig. ALL standard coils are up to 3 rows / 14-16 FPI, 3/8" (9.52mm) O.D. tubes.
Hydrophilic Gold Fin coating (NA549) is offered as standard, which has longer life span under corrosive environment.

3 Casing/Structure

The unit casing used in M5RT-BR series is made of zinc coated galvanized steel sheets. It is further coated with an electrostatic powder coat and then oven-baked for a tough and lasting weather resistant finish. Zinc plated screws are used throughout to further reduce possibility of unit rusting.

4 Evaporator

Evaporator coils are manufactured from seamless inner grooved copper tubes mechanically bonded to aluminiumfins to ensure optimum heat transfer. All coils are tested against by Nitrogen holding at 609psig and highly precise Helium leak test at 235psig. ALL standard coils are 3-4 rows / 14-16 FPI, 3/8" (9.52mm) O.D. tubes.
Hydrophilic Gold Fin coating (NA549) is offered as standard, which has longer life span under corrosive environment.

5 Insulation

ALL possible areas of condensation to happen are insulated by PE, Polyethelene. Panel insulation is 10mm thickness while drain pan insulation is 5mm thickness.

6 Evaporator Fan and Drive

Blower is DWDI centrifugal, forward curved type. It is mechanically and dynamically balanced and being mounted on a rigid shaft in a self aligned bearing block. The motor is fitted with an adjustable V-belt drive, as standard. It has class B insulation and dripping water proof, IP22.

7 Expansion Device

Electronic Expansion Valve is being used to ensure accurate control of refrigerant flow.

8 Compressor

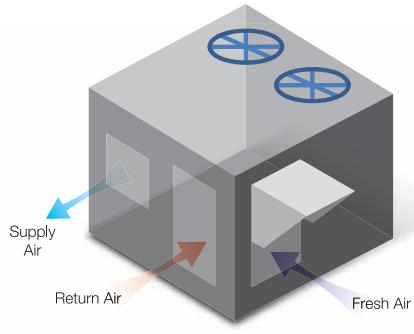
Compressor used in M5RT-BR series Packaged Units are hermetically sealed scroll type. All the compressors are provided with an internal overload protection.

9 Refrigerant Circuit

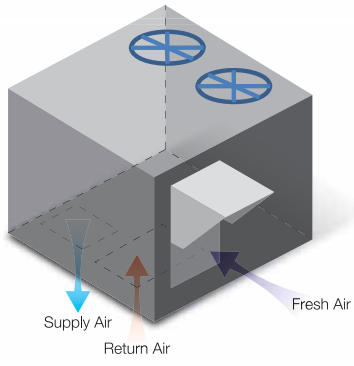
Each refrigerant circuit shall have independent electronic expansion devices, HP/LP switch and refrigerant line service pressure ports as standard factory HP/LP switch and refrigerant line service pressure ports as standard factory installed.

Economiser*

Economiser is available as an option to cater for horizontal or vertical air discharge/ return.



Horizontal Discharge / Return



Vertical Discharge / Return

Optional Features

3rd Party Thermostat

For application that requires uniform thermostat outlook with other electrical appliances. 3rd Party thermostat can be connected to the factory supplied module via the contact point available on PCB board.

Basic BMS Connection

Unit's standard PCB board provides dry contact for basic BMS connection. Input signal will go to dry contact ON/OFF, COOL/HEAT, and 4 to 20 mA temperature adjuster while output signal will come from ON/OFF, COOL/HEAT, ALARM and DEFROST dry contact.

CO_2 Sensor

Field specified CO_2 sensor can be easily plug on the control board's dry contact, which is available on the economizer extension board.

Auxiliary Heater

Auxiliary heater connection point is available on the standard PCB for field supplied heater connection.

AIR COOLED ROOFTOP

AIR CONDITIONERS R-407C

Comfort at your own space

ROOFTOP

AIR-COOLED ROOFTOP
M4RT-A SERIES

M4RT 060/80/100/120/150/200 A/AR
MRT 055/060/080/100/120/150/200 A/AR

M4RT 060/080/100/120/150/ 200/250/300/360/420 A/AR		
Cooling Only		59000Btu/h - 415000Btu/h 17.3kW - 121.6kW
Heat Pump	Cooling	57000Btu/h - 374000Btu/h 16.7kW - 109.6kW
	Heating	69000Btu/h - 431000Btu/h 20.2kW - 126.3kW

R-407C

MRT 055/060/080/100/120/150/ 200/250/300/360/420 A/AR		
Cooling Only		54000Btu/h - 404000Btu/h 15.8kW - 118.4kW
Heat Pump	Cooling	55000Btu/h - 384000Btu/h 16.1kW - 112.5kW
	Heating	56500Btu/h - 412000Btu/h 16.6kW - 120.8kW

R-22

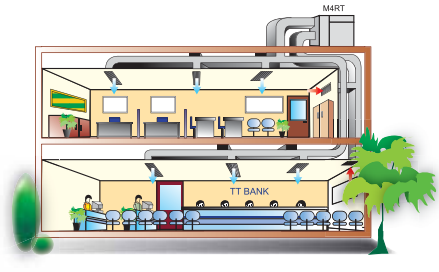
M4RT 250/300/360/420 A/AR
MRT 250/300/360/420 A/AR

Air-Cooled Rooftop Package

Quality you can depend on

McQuay rooftop quality is ensured and qualified by specific testing method as following:

- 100% coil leak test by helium testing method.
- Copper tubes were tested at burst pressure, where it is at least 3 times the refrigerant operating pressure.
- Every components being used in our rooftop are tested, at factory test lab.
- Every unit receives a 100% unit run test before leaving the production line to make sure it lives up to McQuay requirement.

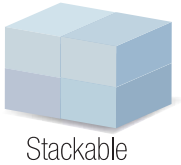


*Also available in R-22 Refrigerant

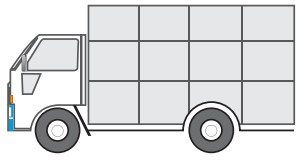
Cabinet and Base Construction

McQuay rooftop is equipped with a solid base foundation and compact cabinet. The weatherproofed electro galvanised mild steel casing is coated with an epoxy polyester powder costing for protection against corrosion.

Forklift slots and rigging hole is provided for better handling purpose. All McQuay rooftop designs were rigourously rain tested at the factory to ensure the water integrity.



Stackable



Flat Top Design

Unit's flat top design allows the unit to be stacked up at warehouse or even during transportation, resulting in maximum utilisation of warehouse and container space.

Insulation

10mm thickness, fire-resistant Polyethylene is used at every possible condensate panel to prevent all forms of water or moisture penetration. Polyethylene, which is also a type of Closed Cell Foam Insulation (CCF) has offered the following advantaged:

- Durable external surface that resists dirt tough and resilient
- Higher degree of puncture resistance when compared to fiberglass
- Easily cleaned surface (if necessary) to further resist microbial growth

Components

- Expansion device: Optimised capillary tube is used for better performance. However, thermal expansion valves spec can be specified in any project requirement.
- Compressor: Each high efficiency scroll type compressor is hermetically sealed, quiet running and supported on rubber mounts to minimise vibration.
- Indoor fan: A dynamically balanced forward curved fan with a field changeable pulley package, in order to match the designed supply air requirements.
- Outdoor fans: IP54 rated condenser fan is being used for M4RT250/300/360/420 A/AR.

Refrigeration System

The MRT series are factory charged with zero ozone depleting potential HFC refrigerant, R-407C.

Safety Features

- High pressure and loss of refrigerant protection
- Compressor and motor current overload protection
- Sensor fault indication
- Minimum compressor's running time to ensure oil return
- Phase sequencer is used to detect for any wrong phase and phase loss during installation and operation

Auto-random Restart

Whenever unit stops due to power failure during operation, unit automatically restarts at last setting condition once the power is restored. However, the compressors will restart randomly if more than one unit is installed and share the same phase of power. Option is provided to cancel this feature.

Microprocessor Unit Controls

Standard units are equipped with microprocessor controller and every unit is come with a microprocessor operated handset, basic functions of these handsets are:

- Mode selection
- Temperature setting
- Timer (delay timer for SLM3 and real timer for Sequential)
- Error code display

SLM 3 Wired Controller

Sequential Controller

SPECIFICATIONS

■ HIGH STATIC DUCT TYPE (COOLING ONLY)

R-22

Model	Indoor unit			FD75CV1M	FD100CV1M	FD125BY1M	FD150BAY1M	FD200B2Y1M	FD250B2Y1M
	Outdoor unit			R72CY1ME	R100BAY1ME	R125BY1ME	R150CAY1ME	R100BAY1ME x2	R125BY1ME x 2
Capacity			Btu/h	70,000	100,000	125,000	150,000	200,000	250,000
			kW	20.5	29.3	36.6	44	58.6	73.3
Total Input Power			W	7,000	10,500	12,300	16,700	21,100	25,100
Running Current			A	12.2	17.8	22.5	29.1	39.80	45.4
Power Source			V/Ph/Hz	380~415 / 3 / 50					
Refrigerant Type				R22					
Indoor Unit	Control	Operation		SLM+AC5300 (Option)				Sequential	
	Air Flow	Super High	l/s / cfm	1180 / 2500	1511 / 3200	1982 / 4200	2171 / 4600	3021 / 6400	3776 / 8000
		High	l/s / cfm	992 / 2100	1393 / 2950	-	-	-	-
		Medium	l/s / cfm	897 / 1900	1275 / 2700	-	-	-	-
		Low	l/s / cfm	756 / 1600	1157 / 2450	-	-	-	-
	External Static Pressure	Super High	Pa / in.wg	100 / 0.40		149 / 0.6		158 / 0.6	200 / 0.8
		High	Pa / in.wg	80 / 0.32		-	-	-	-
		Medium	Pa / in.wg	60 / 0.24		-	-	-	-
		Low	Pa / in.wg	40 / 0.16		-	-	-	-
	Sound Pressure Level		dBA	54	57	58	59	61	63
	Unit Dimension	Height	mm / in	430 / 16.93		885 / 34.8			1291 / 50.8
		Width	mm / in	1372 / 54.02	1599 / 62.96	1540 / 60.7		1794 / 70.7	1766 / 69.6
		Depth	mm / in	784 / 30.87		1040 / 40.9			1199 / 47.2
	Packing Dimension	Height	mm / in	642 / 25.28		1154 / 45.4			1506 / 59.3
		Width	mm / in	1586 / 62.45	1815 / 71.46	1787 / 70.4		2052 / 80.8	2034 / 80.1
		Depth	mm / in	930 / 36.62		1188 / 46.8			1412 / 55.6
	Unit Weight		kg / lb	92 / 202.4	119 / 261.8	176 / 388	189 / 417	220 / 486	343 / 757
	Condensate Drain Size		mm/in	25.40 / 1.00					
Outdoor Unit	Air Flow		l/s / cfm	2832 / 6000	3304 / 7000	2629 / 6200	5475 / 11600	3304 / 7000	3304 / 7000
	Sound Pressure Level		dBA	73	65		73	65	
	Unit Dimension	Height	mm / in	946 / 37.24			1041 / 41.0	946 / 37.2	
		Width	mm / in	1300 / 51.18	1116 / 43.9				
		Depth	mm / in	500 / 19.68	939 / 37.0				
	Packing Dimension	Height	mm / in	1132 / 44.6			1227 / 48.3	1132 / 44.6	
		Width	mm / in	1414 / 55.66	1312 / 51.7				
		Depth	mm / in	664 / 26.14	1112 / 43.8				
	Unit Weight		kg / lb	145 / 320	164 / 362	169 / 373	227 / 500	164 / 361	169 / 372
	Pipe Connection	Type		BRAZING					
		Size Liquid	mm / in	12.7 / 1/2	15.88 / 5/8				
		Size Gas	mm / in	25.4 / 1	28.58 / 1 1/8	34.92 / 1 3/8		28.58 / 1 1/8	34.92 / 1 3/8
Refrigerant Charge (At 7.5m Pipe Length)			kg / lb	5.5 / 12.10	8.10 / 17.86	8.00 / 17.60	9.90 / 21.78	7.6 (x2) / 16.8 (x2)	8.0 (x2) / 17.5 (x2)

Model	Indoor unit			FD300B2Y1M	FD350B3Y1M		FD400B4Y1M	FD450B3Y1M	FD500B4Y1M	FD600B4Y1M
	Outdoor unit			R150CAY1ME x2	R100BAY1ME	R125BY1ME x 2	R100BAY1ME x4	R150CAY1ME x 3	R125BY1ME x 4	R150CAY1ME x4
Capacity			Btu/h	300,000	350,000		400,000	450,000	500,000	600,000
			kW	87.9	102.6		117.2	131.9	146.5	175.8
Total Input Power			W	34,500	35,500		41,600	53,000	51,600	73,800
Running Current			A	59.1	64.8		78.2	90.5	92.9	125.4
Power Source			V/Ph/Hz	380~415 / 3 / 50						
Refrigerant Type				R22						
Indoor Unit	Control	Operation		Sequential						
	Air Flow	Super High	l/s / cfm	4248 / 9000	4956 / 10500		5664 / 12000	6372 / 13500	7080 / 15000	8496 / 18000
		High	l/s / cfm	-	-		-	-	-	-
		Medium	l/s / cfm	-	-		-	-	-	-
		Low	l/s / cfm	-	-		-	-	-	-
	External Static Pressure	Super High	Pa / in.wg	200 / 0.8				250 / 1.0		300 / 1.2
		High	Pa / in.wg	-	-		-	-	-	-
		Medium	Pa / in.wg	-	-		-	-	-	-
		Low	Pa / in.wg	-	-		-	-	-	-
	Sound Pressure Level		dBA	66				68		70
	Unit Dimension	Height	mm / in	1291 / 50.8	1546 / 60.9					1978 / 77.9
		Width	mm / in	1766 / 69.6	2022 / 79.7		2174 / 85.6			
		Depth	mm / in	1199 / 47.2			1466 / 57.7			1905 / 75.0
	Packing Dimension	Height	mm / in	1506 / 59.3	1766 / 69.5					2123 / 83.6
		Width	mm / in	2034 / 80.1	2279 / 89.7		2431 / 95.7			2399 / 94.4
		Depth	mm / in	1412 / 55.6			1684 / 66.3			2005 / 78.9
	Unit Weight		kg / lb	343 / 757	440 / 970		513 / 1131	564 / 1244		991 / 2185
	Condensate Drain Size		mm / in	25.4 / 1.0						
Outdoor Unit	Air Flow		l/s / cfm	5475 / 11600	3304 / 7000			5475 / 11600	3304 / 7000	5475 / 11600
	Sound Pressure Level		dBA	74	65			74	65	74
	Unit Dimension	Height	mm / in	1041 / 41.0	946 / 37.2			1041 / 41.0	946 / 37.2	1041 / 41.0
		Width	mm / in	1116 / 43.9						
		Depth	mm / in	939 / 37.0						
	Packing Dimension	Height	mm / in	1227 / 48.3	1132 / 44.6			1227 / 48.3	1132 / 44.6	1227 / 48.3
		Width	mm / in	1312 / 51.7						
		Depth	mm / in	1112 / 43.8						
	Unit Weight		kg / lb	227 / 500	164 / 361	169 / 372	164 / 361	227 / 500	169 / 372	227 / 500
	Pipe Connection	Type		BRAZING						
		Size Liquid	mm / in	15.88 / 5/8						
		Size Gas	mm / in	34.92 / 1 1/8	28.58 / 1 1/8	34.92 / 1 3/8	28.58 / 1 1/8	34.92 / 1 3/8		
Refrigerant Charge (At 7.5m Pipe Length)			kg / lb	10.1 (x2) / 22.3 (x2)	7.6 / 16.8	8.0 (x2) / 17.5 (x2)	7.6 (x4) / 16.8 (x4)	10.1 (x3) / 22.3 (x3)	8.0 (x4) / 17.5 (x4)	10.1 (x4) / 22.3 (x4)

Note:
• All specifications are subject to change by the manufacturer without prior notice. • All units are being tested and comply to ARI 210/240-04. • Cooling capacity is based on the conditions below: Cooling - 26.7°C DB / 19.4°C WB indoor and 35°C DB / 23.9°C WB outdoor. • Refrigerant (R-22) is not pre-charged at factory shipment.

SPECIFICATIONS

■ FLOOR STANDING TYPE (COOLING ONLY)

DIRECT AIR BLOW TYPE

R-410A

Model Name				5HP	6HP	8HP	10HP
	Indoor unit			FVGR05NV1	FVGR06NV1	FVGR08NV1	FVGR10NV1
	Outdoor unit			RUR05NY1	RUR06NY1	RUR08NY1	RUR10NY1
Power supply				380–415 V, 50 Hz, 3 Phase, 4 Wires			
Cooling capacity [1, 3]			kW	14.7	17.6	23.5	29.3
			Btu/h	50,000	60,000	80,000	100,000
			kcal/h	12,600	15,100	20,200	25,200
Power consumption [1]			kW	5.5	6.4	8.6	11.2
Running current			A	9.0	10.4	14.4	18.9
Starting current			A	72.7	80.9	118.2	135.0
Power factor			%	88.2	88.8	85.9	85.5
Indoor unit	Colour			Ivory White			
	Air flow rate (H)		m³/min	42	42	54	80
			cfm	1,480	1,480	1,910	2,830
	Fan	Drive		Direct Drive 3 Speed			
	Sound level (H/M/L) [2]		dBA	59/54/50	59/54/50	60/56/51	61/57/52
	Dimensions (H×W×D)		mm	1,870×750×510	1,870×750×510	1,870×950×510	1,870×1,170×510
	Machine weight		kg	90	90	107	143
	Operation range		°CWB	14 to 25			
Outdoor unit	Colour			Ivory White			
	Compressor	Type		Hermetically sealed scroll type			
		Motor output	kW	4.5	4.5	6.7	9.0
	Refrigerant oil	Model		DAPHNE FVC68D	POLYOL ESTER		
		Charge	L	1.4	1.8	3.3	
	Refrigerant charge (R-410A)		kg	2.5 (Charged for 7.5 m)	3.5 (Charged for 7.5 m)	4.5 (Charged for 7.5 m)	6.0 (Charged for 7.5 m)
	Sound level [2]	380V	dBA	59	59	60	61
		415V	dBA	60	60	61	62
	Dimensions (H×W×D)		mm	1,345×900×320		1,680×930×765	
	Machine weight		kg	92	105	203	206
	Operation range		°CDB	21 to 46			
Refrigerant Piping	Indoor unit	Liquid	mm	ϕ9.5 (Brazing)		ϕ12.7 (Brazing)	
		Gas	mm	ϕ19.1 (Brazing)		ϕ22.2 (Brazing)	ϕ28.6 (Brazing)
		Drain	mm	PS 1B Internal thread			
	Outdoor unit	Liquid	mm	ϕ9.5 (Flare)		ϕ12.7 (Flare)	
		Gas	mm	ϕ19.1 (Flare)		ϕ22.2 (Brazing)	ϕ28.6 (Brazing)
		Drain	mm	ϕ26.0 (Hole)	—		
Max. interunit piping length			m	50 (equivalent length 70 m)			
Max. installation level difference			m	30			

■ FLOOR STANDING TYPE (COOLING ONLY)

DUCT CONNECTION TYPE

R-410A

Model Name				10HP	13HP	15HP	18HP	20HP
	Indoor unit			FVPGR10NY1	FVPGR13NY1	FVPGR15NY1	FVPGR18NY1	FVPGR20NY1
	Outdoor unit			RUR10NY1	RUR13NY1	RUR15NY1	RUR18NY1	RUR20NY1
Power supply				380–415 V, 50 Hz, 3 Phase, 4 Wires				
Cooling capacity [1, 3]			kW	29.3	35.2	46.9	52.8	58.6
			Btu/h	100,000	120,000	160,000	180,000	200,000
			kcal/h	25,200	30,200	40,300	45,400	50,400
Running current			A	19.2	24.3	29.0	34.6	40.4
Power consumption [1]			kW	11.4	14.9	17.8	21.2	24.8
Starting current			%	85.7	88.5	88.6	88.4	88.6
Power factor			A	129.5	118.0	130.3	143.4	146.3
Indoor unit	Colour			Ivory White				
	Air flow rate (H)		m³/min	80	120		162	
			cfm	2,830	4,240		5,720	
	Fan	Drive		Belt Drive				
		Ext. Static Pressure	Pa(mmH₂O)	15				
	Sound level [2]		dBA	61	62	62	63	63
	Dimensions (H×W×D)		mm	1,740×1,170×510	1,870×1,170×720		1,870×1,470×720	
	Machine weight		kg	150	180		240	
	Operation range		°CWB	14 to 25				
Outdoor unit	Colour			Ivory White				
	Compressor	Type		Hermetically sealed scroll type				
		Motor output	kW	9.0	5.0+5.0	6.7+6.7	7.5+7.5	9.0+9.0
	Refrigerant oil	Model		POLYOL ESTER				
		Charge	L	3.3	5.0	6.5		
	Refrigerant charge (R-410A)		kg	6.0 (Charged for 7.5 m)	4.5 (Charged for 7.5 m)	8.0 (Charged for 7.5 m)		
	Sound level [2]	380V	dBA	61	61	62	63	63
		415V	dBA	62	62	63	64	64
	Dimensions (H×W×D)		mm	1,680×930×765	1,680×1,240×765			
	Machine weight		kg	206	243	319	322	329
	Operation range		°CDB	21 to 46				
Refrigerant piping	Indoor unit	Liquid	mm	ϕ12.7 (Brazing)		ϕ15.9 (Brazing)		
		Gas	mm	ϕ28.6 (Brazing)		ϕ34.9 (Brazing)		
		Drain	mm	PS 1B Internal thread				
	Outdoor unit	Liquid	mm	ϕ12.7 (Flare)		ϕ15.9 (Flare)		
		Gas	mm	ϕ28.6 (Brazing)		ϕ34.9 (Brazing)		
		Drain	mm	—				
Max. interunit piping length			m	50 (equivalent length 70 m)				
Max. installation level difference			m	30				

Note : [1]Rated cooling capacities are based on the following conditions : Return air temp., 27°CDB, 19.5°CWB; outdoor temp. 35°CDB. Equiv. refrigeration piping, 5 m (horizontal).
[2]Anechoic chamber conversion value, measured according to JIS parameters and criteria. During operation these values are somewhat higher owing to ambient conditions.
[3]Capacity includes indoor fan motor heat.

SPECIFICATIONS

■ ROOFTOP SERIES M5RT-BR (HEAT PUMP)

R-410A

MODEL				M5RT090BR	M5RT120BR	M5RT150BR	M5RT180BR	M5RT210BR	M5RT250BR
NOMINAL COOLING CAPACITY (GROSS)			Btu/h	93300	121400	152600	190000	228000	247700
			W	27340	35580	44720	55690	66820	72600
NOMINAL HEATING CAPACITY (NETT)			Btu/h	85000	118700	142600	184000	210500	237500
			W	24910	34790	41790	53930	61690	69610
POWER SOURCE			V/Ph/Hz	380 ~ 415 / 3 / 50		380 ~ 415 / 3 / 50		380 ~ 415 / 3 / 50	
REFRIGERANT TYPE / CONTROL				R410A / EXV		R410A / EXV		R410A / EXV	
EER (GROSS)			W/W	3.36	3.30	3.43	3.33	3.40	3.36
COP (NET)			W/W	3.40	3.21	3.25	3.47	3.32	3.25
EVAPORATOR	SOUND POWER LEVEL @ 100 ESP		dBA	68	72	75	82	84	87
	SOUND POWER LEVEL @ Std ESP		dBA	73	76	80	84	84	90
	CONTROL	AIR DISCHARGE		DUCTED		DUCTED		DUCTED	
		OPERATION		WIRED		WIRED		WIRED	
	AIR FLOW		l/s / cfm	1560 / 3300	2030/ 4300	2670 / 5650	3160/ 6700	3445 7300	3917 8300
	EXTERNAL STATIC PRESSURE		Pa/in.wg.	147 / 0.6	147 / 0.6	147 / 0.6	206 / 0.8	196 / 0.8	206 / 0.8
	CONDENSATE DRAIN SIZE		mm/in	25.4 / 1	25.4 / 1.0	25.4 / 1	25.4 / 1.0	25.4 / 1.0	25.4 / 1.0
CONDENSER	AIR FLOW		l/s / cfm	3884 / 8230	5664 / 12000	5710 / 12100	6090 / 12900	9534 / 20200	10006 / 21200
	SOUND POWER LEVEL		dBA	82	83	83	87	90	90
	UNIT DIMENSION	HEIGHT	mm/in	1150 / 45.3	1028 / 40.5	1130 / 44.5	1048 / 41.3	1302 / 51.3	1454 / 57.3
		WIDTH	mm/in	1638 / 64.5	2209/ 87.0	2209 / 87.0	2209/ 87.0	2209 / 87.0	2209 / 87.0
		DEPTH	mm/in	2063 / 81.2	2113 / 83.2	2113 / 83.2	2670/ 105.1	2670 / 105.1	2670 / 105.1
	PACKING DIMENSION	HEIGHT	mm/in	1370 / 54	1200 / 47.3	1290 / 50.8	1270 / 50.0	1520 / 59.9	1670 / 65.8
		WIDTH	mm/in	1730 / 68.2	2280 / 89.8	2280 / 89.8	2280 / 89.8	2280 / 89.8	2280 / 89.8
		DEPTH	mm/in	2300 / 90.6	2350 / 92.6	2350 / 92.6	2900 / 114.2	2900 / 114.2	2900 / 114.2
	UNIT WEIGHT (NET)		kg/lb	445 / 981	580 / 1278	610 / 1344	780 / 1720	830 / 1830	970 / 2139
	REFRIGERANT CHARGE			6.1 / 13.4	(2 X 5.8) / (2 X 12.8)	(2 X 7.2) / (2 X 15.9)	(2 X 8.7) / (2 X 19.2)	(2 X 10.4) / (2 X 22.9)	(2 X 11.6) / (2 X 25.6)

■ AIR-COOLED ROOFTOP M4RT-A SERIES (HEAT PUMP & COOLING ONLY)

R-407C

HEATPUMP MODEL				M4RT 060AR	M4RT 080AR	M4RT 100AR	M4RT120AR	M4RT 150AR
NOMINAL COOLING CAPACITY			Btu/h	57000	72000	88000	100000	149000
			W	16705	21101	25790	29307	43668
NOMINAL HEATING CAPACITY			Btu/h	69000	77000	102000	122000	160000
			W	20222	22566	29893	35755	46891
50 Hz	NOMINAL TOTAL INPUT POWER	COOLING	W	6860	8410	10820	12840	16570
		HEATING	W	6600	7540	9810	11490	15710
COOLING ONLY MODEL				M4RT 060A	M4RT 080A	M4RT 100A	M4RT 120A	M4RT 150A
NOMINAL CAPACITY			Btu/h	59000	72000	95000	110000	140000
			W	17291	21101	27842	32238	41030
50 Hz	NOMINAL TOTAL INPUT POWER		W	5890	8700	11600	12180	17200
POWER SOURCE			V/Ph/Hz	380 ~ 415 / 3 / 50		380 ~ 415 / 3 / 50		380 ~ 415 / 3 / 50
EVAP.	AIR FLOW		l/s / cfm	850 / 1800	1334 / 2826	1667 / 3532	1699 / 3600	2667 / 5651
	EXTERNAL STATIC PRESSURE		Pa / in.wg.	98 / 0.39		98 / 0.39		196 / 0.79
CONDENSER	SOUND PRESSURE LEVEL		dBA	63	65	66	68	70
	UNIT DIMENSION	HEIGHT	mm/in	1000 / 39.4		1000 / 39.4		1200 / 47.2
		WIDTH	mm/in	1100 / 43.3	1300 / 51.2	1300 / 51.2		1990 / 78.4
		DEPTH	mm/in	1530 / 60.2		1530 / 60.2		1800 / 70.9
	UNIT WEIGHT	HEATPUMP	kg/lb	320 / 705	385 / 849	415 / 915	440 / 970	700 / 1543
		COOLING ONLY	kg/lb	295 / 650	370 / 816	400 / 882	425 / 937	665 / 1466

• All specifications are subjected to change by the manufacturer without prior notice. • All units are being tested and comply to ISO 5151. • Nominal cooling and heating capacity are based on the conditions below: a) Cooling - 27°C DB / 19°C WB Indoor and 35°C DB / 24°C WB Outdoor. b) Heating - 20°C DB Indoor and 7°C DB / 6°C WB Outdoor. • Sound pressure levels are measured according to JIS B 8616 standard. • All performance rating are strictly following eurovent requirement.

** Also available in R-22 Refrigerant.*

■ AIR-COOLED ROOFTOP M4RT-A SERIES (HEAT PUMP & COOLING ONLY)

R-407C

HEATPUMP MODEL					M4RT 200AR	M4RT 250AR	M4RT 300AR	M4RT 360AR	M4RT 420AR
NOMINAL COOLING CAPACITY				Btu/h	190000	230000	283000	345000	374000
				W	55684	67406	82939	101110	109609
NOMINAL HEATING CAPACITY				Btu/h	230000	255000	315000	349000	431000
				W	67406	74733	92317	102290	126314
50 Hz	NOMINAL TOTAL INPUT POWER		COOLING	W	21160	29200	38160	43170	48200
			HEATING	W	20300	26220	34780	41670	46800
COOLING ONLY MODEL					M4RT 200A	M4RT 250A	M4RT 300A	M4RT 360A	M4RT 420A
NOMINAL CAPACITY				Btu/h	190000	230000	283000	331000	415000
				W	55684	67406	82939	97007	121624
50 Hz	NOMINAL TOTAL INPUT POWER			W	25100	28700	40160	41870	48800
POWER SOURCE				V/Ph/Hz	380 ~ 415 / 3 / 50	380 ~ 415 / 3 / 50		380 ~ 415 / 3 / 50	
EVAP.	AIR FLOW			l/s / cfm	3167 / 6710	3776 / 8000	4531 / 9600	5191 / 11000	5899 / 12500
	EXTERNAL STATIC PRESSURE			Pa / in.wg.	196 / 0.79	294 / 1.18		294 / 1.18	
CONDENSER	SOUND PRESSURE LEVEL			dBA	70	74		70	
	UNIT DIMENSION	HEIGHT		mm/in	1200 / 47.2	1735 / 68.0		1974 / 78.0	
		WIDTH		mm/in	1990 / 78.4	2250 / 88.5		2252 / 89.0	
		DEPTH		mm/in	1800 / 70.9	2800 / 110.0		3180 / 125.0	
	UNIT WEIGHT	HEATPUMP		kg/lb	800 / 1764	1200 / 2646	1350 / 2976	1510 / 3329	1600 / 3527
		COOLING ONLY		kg/lb	765 / 1687	1200 / 2646	1350 / 2976	1510 / 3329	1600 / 3527

■ AIR-COOLED ROOFTOP MRT-A SERIES (HEAT PUMP & COOLING ONLY)

R-22

HEATPUMP MODEL					MRT 055AR	MRT 060AR	MRT 080AR	MRT 100AR	MRT 120AR	MRT 150AR
NOMINAL COOLING CAPACITY				Btu/h	55000	56000	80000	100000	105000	150000
				W	16119	16410	23450	29300	30770	44000
NOMINAL HEATING CAPACITY				Btu/h	56500	68000	78600	105000	118000	155000
				W	16559	19930	23000	30800	34580	45400
50 Hz	NOMINAL TOTAL INPUT POWER		COOLING	W	5778	6220	9400	11860	11600	18600
			HEATING	W	5128	5970	7800	10050	10700	15400
COOLING ONLY MODEL					MRT 055A	MRT 060A	MRT 080A	MRT 100A	MRT 120A	MRT 150A
NOMINAL CAPACITY				Btu/h	54000	59000	80000	100000	116000	150000
				W	15826	17291	23450	29300	34000	44000
50 Hz	NOMINAL TOTAL INPUT POWER			W	6380	5610	8100	10500	11560	15600
POWER SOURCE				V/Ph/Hz	380 ~ 415 / 3 / 50					
EVAP.	AIR FLOW			l/s / cfm	850 / 1800	850 / 1800	1334 / 2826	1667 / 3532	1699 / 3600	2667 / 5651
	EXTERNAL STATIC PRESSURE			Pa/in.wg.	98 / 0.39	98 / 0.39		98 / 0.39		196 / 0.79
CONDENSER	SOUND PRESSURE LEVEL			dBA	68	63	65	66	68	70
	UNIT DIMENSION	HEIGHT		mm/in	916 / 36	1000 / 39.4		1000 / 39.4		1200 / 47.2
		WIDTH		mm/in	1090 / 43	1100 / 43.3	1300 / 51.2	1300 / 51.2		1990 / 78.4
		DEPTH		mm/in	1386 / 55	1530 / 60.2		1530 / 60.2		1800 / 70.9
	UNIT WEIGHT	HEATPUMP		kg/lb	230 / 506	320 / 705	385 / 849	415 / 915	440 / 970	700 / 1543
		COOLING ONLY		kg/lb	220 / 484	295 / 650	370 / 816	400 / 882	425 / 937	665 / 1466

• All specifications are subjected to change by the manufacturer without prior notice. • All units are being tested and comply to ISO 5151. • Nominal cooling and heating capacity are based on the conditions below: a) Cooling - 27°C DB / 19°C WB Indoor and 35°C DB / 24°C WB Outdoor. b) Heating - 20°C DB Indoor and 7°C DB / 6°C WB Outdoor. • Sound pressure levels are measured in anechoic chamber: Position of the measurement point is 1m in front of the unit and 1m above the floor level.

■ AIR-COOLED ROOFTOP MRT-A SERIES (HEAT PUMP & COOLING ONLY)

R-22

HEATPUMP MODEL				MRT 200AR	MRT 250AR	MRT 300AR	MRT 360AR	MRT 420AR
NOMINAL COOLING CAPACITY			Btu/h	200000	235000	290000	335000	384000
			W	58600	68875	84900	98180	112540
NOMINAL HEATING CAPACITY			Btu/h	208000	252000	295000	348000	412000
			W	61000	73857	86460	101990	120750
50 Hz	NOMINAL TOTAL INPUT POWER	COOLING	W	23500	27660	37160	39210	46400
		HEATING	W	20400	26360	32660	35830	40800
COOLING ONLY MODEL				MRT 200A	MRT 250A	MRT 300A	MRT 360A	MRT 420A
NOMINAL CAPACITY			Btu/h	200000	250000	300000	329000	404000
			W	58600	73270	87925	96420	118410
50 Hz	NOMINAL TOTAL INPUT POWER		W	20700	27560	35960	39870	46800
POWER SOURCE			V/Ph/Hz	380 ~ 415 / 3 / 50				
EVAP.	AIR FLOW		l/s / cfm	3167 / 6710	3776 / 8000	4531 / 9600	5191 / 11000	5899 / 12500
	EXTERNAL STATIC PRESSURE		Pa/in.wg.	196 / 0.79	294 / 1.18		294 / 1.18	
CONDENSER	SOUND PRESSURE LEVEL		dBA	70	74		70	
	UNIT DIMENSION	HEIGHT	mm/in	1200 / 47.2	1735 / 68.0		1974 / 78.0	
		WIDTH	mm/in	1990 / 78.4	2250 / 88.5		2252 / 89.0	
		DEPTH	mm/in	1800 / 70.9	2800 / 110.0		3180 / 125.0	
	UNIT WEIGHT	HEATPUMP	kg/lb	800 / 1764	1200 / 2646	1350 / 2976	1510 / 3329	1600 / 3527
		COOLING ONLY	kg/lb	765 / 1687	1200 / 2646	1350 / 2976	1510 / 3329	1600 / 3527

*• All specifications are subjected to change by the manufacturer without prior notice. • All units are being tested and comply to ISO 5151 (Non ducted product) * ISO 13253 (Ducted product). • Nominal cooling and heating capacity are based on the conditions below: a) Cooling - 27°C DB / 19°C WB Indoor and 35°C DB / 24°C WB Outdoor. b) Heating - 20°C DB Indoor and 7°C DB / 6°C WB Outdoor. • Sound pressure levels are measured in an anechoic chamber, according to JIS B 8615 standard. Position of the measurement point is 1m in front of the unit and 1m above the floor level.*

Remote Controller

R-22

(High Static Pressure Duct Type) Cooling only

SLM Controller + AC5300 Controller

(Standard) (Option)

SLM Controller (Standard)

AC5300 Controller (Option)

Features:
- Temperature setting
- Operation modes (Cool/Dry/Fan)
- Fan speed selection
- Timer
- Sleep mode
- Sensor
- LED display

Applies to

FD75C / 100C / 125B / 150B

Sequential Controller

Sequential Controller (Standard)

This controller is supplied as the standard specification for cooling model where the systems are matching two outdoor units and more. The benefit of this controller is capable of part-loading of the system capacity. This controller has a LED indicator, a LCD display panel, 5VDC power supply input, and two communication input/output port.

Features:
- Cool/Fan/Dry modes
- Single fan speed (High speed)
- Set temperature in C° or °F
- Save function
- Test run function
- 7 days programmable timer (option)
- Compressors Run/Error status
- Error indicator backup or
- Key lock function
- Last state memory (battery backup setting from main board)

Applies to

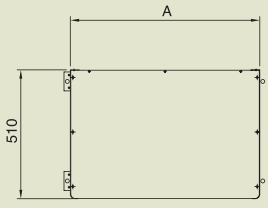
FD200 / 250 / 300 / 350 / 400 / 450 / 500 / 600B

DIMENSIONS (Unit: mm)

■ FLOOR STANDING TYPE

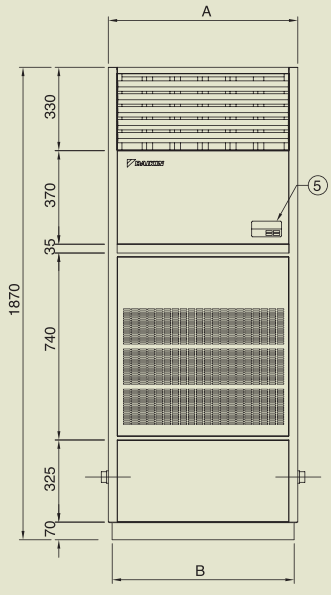
DIRECT AIR BLOW TYPE

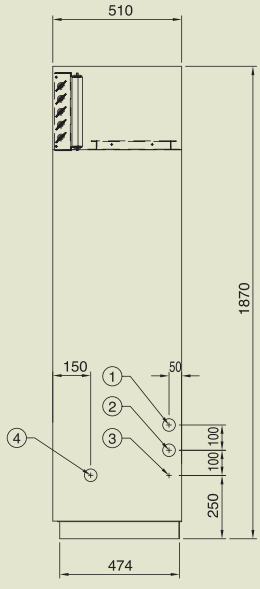
FVGR05NV1
FVGR06NV1
FVGR08NV1



	A	B	C	D
FVGR05NV1	750	720	ø9.5	ø19.1
FVGR06NV1	750	720	ø9.5	ø19.1
FVGR08NV1	950	920	ø12.7	ø22.2

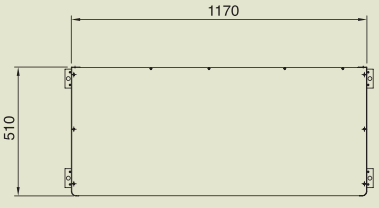
① Liquid pipe conn. (C) C1220T brazing
② Gas pipe conn. (D) C1220T brazing
③ Upper drain outlet (PS 1B Internal thread)
④ Power supply & control wire intake
⑤ Digital remote controller



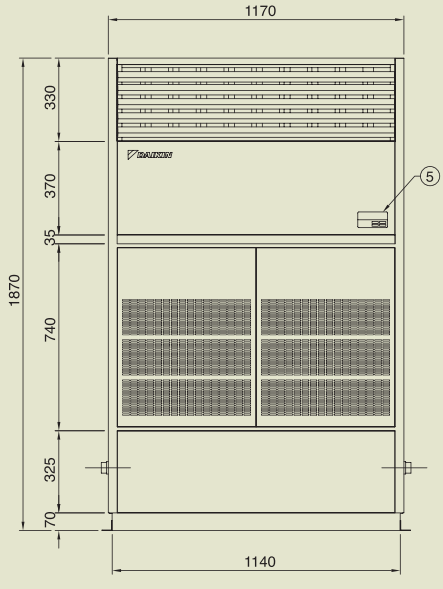


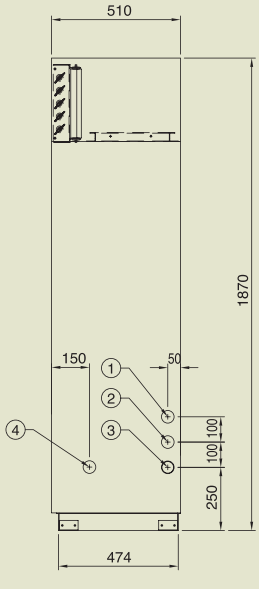
SDR3150151
SDR3150152
SDR3150153

FVGR10NV1



① Liquid pipe conn. (ø 12.7) C1220T brazing
② Gas pipe conn. (ø 28.6) C1220T brazing
③ Upper drain outlet (PS 1B Internal thread)
④ Power supply & control wire intake
⑤ Digital remote controller





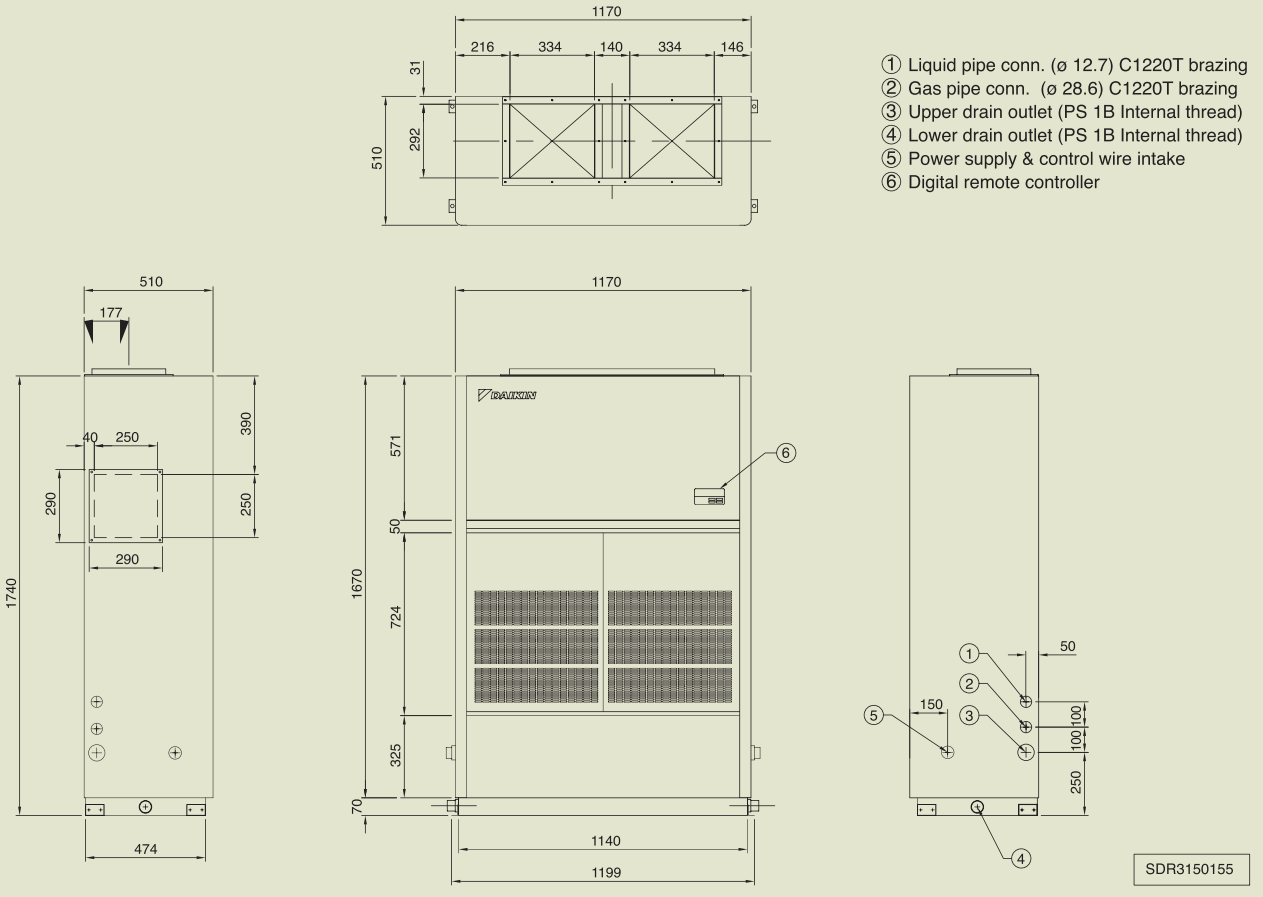
SDR3150154

DIMENSIONS (Unit: mm)

■ FLOOR STANDING TYPE

DUCT CONNECTION TYPE

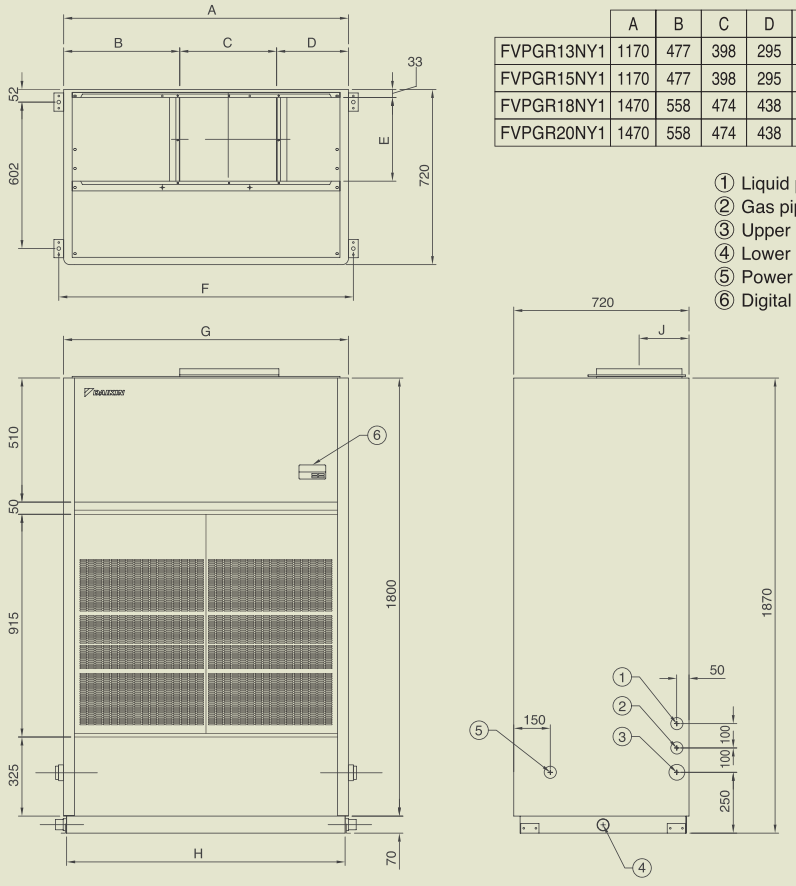
FVPGR10NY1



① Liquid pipe conn. (ø 12.7) C1220T brazing
② Gas pipe conn. (ø 28.6) C1220T brazing
③ Upper drain outlet (PS 1B Internal thread)
④ Lower drain outlet (PS 1B Internal thread)
⑤ Power supply & control wire intake
⑥ Digital remote controller

SDR3150155

FVPGR13NY1
FVPGR15NY1
FVPGR18NY1
FVPGR20NY1



	A	B	C	D	E	F	G	H	J	K	L
FVPGR13NY1	1170	477	398	295	344	1210	1170	1144	205	ø12.7	ø28.6
FVPGR15NY1	1170	477	398	295	344	1210	1170	1144	205	ø15.9	ø34.9
FVPGR18NY1	1470	558	474	438	407	1510	1470	1444	237	ø15.9	ø34.9
FVPGR20NY1	1470	558	474	438	407	1510	1470	1444	237	ø15.9	ø34.9

① Liquid pipe conn. (K) C1220T brazing
② Gas pipe conn. (L) C1220T brazing
③ Upper drain outlet (PS 1B Internal thread)
④ Lower drain outlet (PS 1B Internal thread)
⑤ Power supply & control wire intake
⑥ Digital remote controller

SDR3150156
SDR3150157
SDR3150158

NOTES

JMI-0107

Organization:
DAIKIN INDUSTRIES LTD.
AIR CONDITIONING MANUFACTURING DIVISION

Scope of Registration:
THE DESIGN/DEVELOPMENT AND MANUFACTURE OF COMMERCIAL AIR CONDITIONING, HEATING, COOLING, REFRIGERATING EQUIPMENT, COMMERCIAL HEATING EQUIPMENT, RESIDENTIAL AIR CONDITIONING EQUIPMENT, HEAT RECLAIM VENTILATION, AIR CLEANING EQUIPMENT, MARINE TYPE CONTAINER REFRIGERATION UNITS, COMPRESSORS AND VALVES.

JQA-1452

Organization:
DAIKIN INDUSTRIES (THAILAND) LTD.

Scope of Registration:
THE DESIGN/DEVELOPMENT AND MANUFACTURE OF AIR CONDITIONERS AND THE COMPONENTS INCLUDING COMPRESSORS USED FOR THEM.

EC99J2044

ALL OF THE DAIKIN GROUP'S BUSINESS FACILITIES AND SUBSIDIARIES IN JAPAN ARE CERTIFIED UNDER THE ISO 14001 INTERNATIONAL STANDARD FOR ENVIRONMENT MANAGEMENT.

⚠ Warning

- Daikin products are manufactured for export to numerous countries throughout the world. Prior to purchase, please confirm with your local authorised importer, distributor and/or retailer whether this product conforms to the applicable standards, and is suitable for use, in the region where the product will be used. This statement does not purport to exclude, restrict or modify the application of any local legislation.
- Ask a qualified installer or contractor to install this product. Do not try to install the product yourself. Improper installation can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Use only those parts and accessories supplied or specified by Daikin. Ask a qualified installer or contractor to install those parts and accessories. Use of unauthorised parts and accessories or improper installation of parts and accessories can result in water or refrigerant leakage, electrical shock, fire or explosion.
- Read the User's Manual carefully before using the product. The User's Manual provides important safety instructions and warnings. Be sure to follow these instructions and warnings.

If you have any enquiries, please contact your local importer, distributor and/or retailer.

Cautions on product corrosion

1. Air conditioners should not be installed in areas where corrosive gases, such as acid gas or alkaline gas, are produced.
2. If the outdoor unit is to be installed close to the sea shore, direct exposure to the sea breeze should be avoided. If you need to install the outdoor unit close to the sea shore, contact your local distributor.

Specifications, designs and other content appearing in this brochure are current as of April 2011 but subject to change without notice.

DAIKIN AIRCONDITIONING INDIA PVT. LTD.

12th Floor, Building No. 9, Tower A, DLF Cyber City, DLF Phase III, Gurgaon - 122 002, Haryana, India.
Tel.: 0124-4555444, Fax.: 0124-4555333, e-mail: ho@daikinindia.com

SALES & SERVICE OFFICES

Ahmedabad - Tel.: 079-26583013-14, 36583364
Bengaluru - Tel.: 080-25590452-54
Chandigarh - Tel.: 0172-5089862-64
Chennai - Tel.: 044-24314210-15
Delhi - NCR - Tel.: 0124-4555444
Hyderabad - Tel.: 040-39134293
Jaipur - Tel.: 0141-2223215, 2225569
Kolkata - Tel.: 033-22894259/60
Lucknow - Tel.: 0522-2787307/340/291
Mumbai - Tel.: 022-30926666
Pune - Tel.: 020-25560300

SERVICE CALL CENTRE
TOLL FREE
1800 - 102 - 9300, 1800 - 22- 9300
cs@daikinindia.com

Visit us at www.daikinindia.com

World's No. 1 position based on: Internal Assessment of Total Sales Revenue for 2012/2013

DAIPL-02/Y13