Catalog

MWM - G2 - 2010

Wall Mounted Split Systems

Models:

MWM 07G2	M5WM 07G2/G2R
MWM 09G2/G2R	M5WM 09G2/G2R
MWM 10G2/G2R	M5WM 10G2/G2R
MWM 152G/G2R	M5WM 15G2/G2R
MWM 20G2/G2R	M5WM 20G2/G2R
MWM 25G2/G2R	M5WM 25G2/G2R
MWM 030F/FR	M5WM 031F/030FR

McQuay Air Conditioning

Engineered for flexibility and performance.™

Contents

Nomenclature

Indoor Unit

M		WM	10	G2	R

Brand	
M	: McQuay

Refrigerant	
“ “	: Omitted if R22
4	: R407C
5	: R410A

Model Name	
WM	: Wall Mounted

Capacity Index	
10	: 10,000 Btu/h
20	: 20,000 Btu/h

Chassis	
G2	: G + Series

Model Type	
“ “	: Omitted if cooling only
R	: Heatpump

Outdoor Unit

M	5	LC	010	C	R

Brand	
M	: McQuay

Refrigerant	
“ “	: Omitted if R22
4	: R407C
5	: R410A

Model Name	
LC	: Single Split Condensing Unit

Capacity Index	
010	: 10,000 Btu/h
020	: 20,000 Btu/h

Chassis	
C	: C Series

Model Type	
“ “	: Omitted if cooling only
R	: Heatpump

Product Line-Up

Indoor Unit
MWM-G2 Series

MWM		Nomenclature	Classification															
			PCB		Handset		Air Purification						Grille		Marking		Others	
			L2.0		G17		Ionizer Filter	Saranet Filter	Negative Ionizer	Nano Technology Air Filteration			C		CE		Orifice Kit	
COOLING																		
	07G2	ACICE	X		X			X	X	X			X		X			
	09G2	ACICE	X		X			X	X	X			X		X			
	10G2	ACICE	X		X			X	X	X			X		X			
	15G2	ACICE	X		X			X	X	X			X		X			
	20G2	ACICE	X		X			X	X	X			X		X			
	25G2	ACICE	X		X			X	X	X			X		X			
	030F	AFBF	X		X		X	X							X		X	
HEATPUMP																		
	09G2R	ACICE	X		X			X	X	X			X		X			
	10G2R	ACICE	X		X			X	X	X			X		X			
	15G2R	ACICE	X		X			X	X	X			X		X			
	20G2R	ACICE	X		X			X	X	X			X		X			
	25G2R	ACICE	X		X			X	X	X			X		X			
	030FR	AFAE	X		X		X	X							X			

Indoor Unit
M5WM-G2 Series

M5WM		Nomenclature	Classification																	
			PCB		Handset		Air Purification						Grille		Marking		Others	
			L2.0		G17		Ionizer Filter	Saranet Filter	Negative Ionizer	Nano Technology Air Filteration			C		CE			
COOLING																		
	07G2	ACICE	X		X			X	X	X			X		X			
	09G2	ACICE	X		X			X	X	X			X		X			
	10G2	ACICE	X		X			X	X	X			X		X			
	15G2	ACICE	X		X			X	X	X			X		X			
	20G2	ACICE	X		X			X	X	X			X		X			
	25G2	ACICE	X		X			X	X	X			X		X			
	031F	AFCE	X		X		X	X							X			
HEATPUMP																		
	07G2R	ACICE	X		X			X	X	X			X		X			
	09G2R	ACICE	X		X			X	X	X			X		X			
	10G2R	ACICE	X		X			X	X	X			X		X			
	15G2R	ACICE	X		X			X	X	X			X		X			
	20G2R	ACICE	X		X			X	X	X			X		X			
	25G2R	ACICE	X		X			X	X	X			X		X			
	030FR	AFCE	X		X		X	X							X			

Outdoor Unit
MLC-C Series

MLC		Nomenclature	Classification																					
			PCB		Refrigerant Control		FIN			Safety Devices				Compressor		Marking		Others		Special	
					Cap Tube		Gold Coated		Bare	Contactor	High Pressure Switch	Low Pressure Switch		Scroll	Rotary	CE		Back Panel Grille		Super Tropical Specification	
COOLING	007C	ACPOE			X				X						X	X					
		ACPIE			X		X								X	X					
	009C	ACPOD			X				X						X	X					
		ACPID			X		X								X	X					
	010C	ACPOB			X				X						X	X					
		ACPIB			X		X								X	X					
	015C	ACPOD			X				X						X	X					
		ACPID			X		X								X	X					
	018C	ACPOD			X				X						X	X					
		ACPID			X		X								X	X					
		ACPBD			X				X	X					X	X					
	020C	ACPOD			X				X						X	X					
		ACPID			X		X								X	X					
		ACPBD			X				X	X					X	X					
		ACPHB			X				X						X	X		X		X	
	025C	ACPOD			X				X						X	X					
		ACPID			X		X								X	X					
		ACPBD			X				X	X					X	X					
		ACPHB			X				X						X	X		X		X	
	028C	ACHOB							X						X	X					
		ACHIB					X								X	X					
		ACHBB							X	X					X	X					
	030C	AFGE							X	X	X	X	X			X					

Outdoor Unit
MLC-C Series

MLC		Nomenclature	Classification																			
			PCB		Refrigerant Control		FIN			Safety Devices			Compressor		Marking		Others		Special	
					Cap Tube	TXV	Gold Coated		Bare	Contactor	High Prerssure Switch	Low Pressure Switch	Scroll	Rotary	CE		Drain Elbow		Super Tropical Specification	
HEATPUMP	009CR	ACPOD			X				X					X	X					
		ACPID			X		X							X	X					
	010CR	ACPOB			X				X					X	X					
		ACPIB			X		X							X	X					
	015CR	ACPOA			X				X					X	X					
		ACPIA			X		X							X	X					
	018CR	ACPOD			X				X					X	X					
		ACPID			X		X							X	X					
	020CR	ACPOD			X				X					X	X					
		ACPID			X		X							X	X					
		ACPHB			X				X					X	X				X	
	025CR	ACPOD			X				X					X	X					
		ACPID			X		X							X	X					
		ACHIB			X				X					X	X				X	
	028CR	ACHOB			X				X					X	X					
		ACHIB			X		X							X	X					
	030CR	AFFB			X				X	X	X		X		X		X			

Outdoor Unit
M5LC-C Series

M5LC		Nomenclature	Classification																					
			PCB		Refrigerant Control		FIN			Safety Devices			Compressor	Marking		Others		Special	
					Cap Tube		Gold Coated		Bare	Contactor	Phase Sequencer		Rotary	CE		Low Ambient Kit		Drain Elbow	
COOLING	007C	ACPOE			X				X				X	X					
		ACPIE			X		X						X	X					
	009C	ACPOB			X				X				X	X					
		ACPIB			X		X						X	X					
	015C	ACPOC			X				X				X	X					
		ACPIC			X		X						X	X					
	020C	ACPOC			X				X				X	X					
		ACPIC			X		X						X	X					
		ACPGC			X				X				X	X		X			
		FCPOC			X				X	X	X		X	X					
		FCPGC			X				X	X	X		X	X		X			
	025C	ACPOC			X				X				X	X					
		ACPIC			X		X						X	X					
		ACPGC			X				X				X	X		X			
		FCPOC			X				X	X	X		X	X					
		FCPGC			X				X	X	X		X	X		X			
	028C	ACPOA			X				X				X	X					
		ACPIA			X		X						X	X					
		ACPGA			X				X				X	X		X			
		FCPOA			X				X	X	X		X	X					
		FCPGA			X				X	X	X		X	X		X			

Outdoor Unit
M5LC-C Series

M5LC		Nomenclature	Classification																					
			PCB		Refrigerant Control		FIN			Safety Devices			Compressor	Marking		Others		Special	
					Cap Tube		Gold Coated		Bare	Contactor	Phase Sequencer		Rotary	CE		Low Ambient Kit		Drain Elbow	
HEATPUMP	007CR	ACPOE			X				X				X	X					
		ACPIE			X		X						X	X					
	010CR	ACPOB			X				X				X	X					
		ACPIB			X		X						X	X					
	015CR	ACPOC			X				X				X	X					
		ACPIC			X		X						X	X					
	020CR	ACPOC			X				X				X	X					
		ACPIC			X		X						X	X					
		FCPOC			X				X	X	X		X	X				X	
	025CR	ACPOC			X				X				X	X					
		ACPIC			X		X						X	X					
		FCPOC			X				X	X	X		X	X				X	
	028CR	ACPOA			X				X				X	X					
		ACPIA			X		X						X	X					
		FCPOA			X				X	X	X		X	X				X	

Features

Excellent Air Distribution

Air discharge direction can be adjusted in four directions, manually or automatically by using LCD remote control. The new double louver design with automatic air swing function fully optimizes the room comfort by distributing the air evenly to the room. The unique skew fan design with larger diameter creates better air flow to the operating environment.

Self Diagnosis

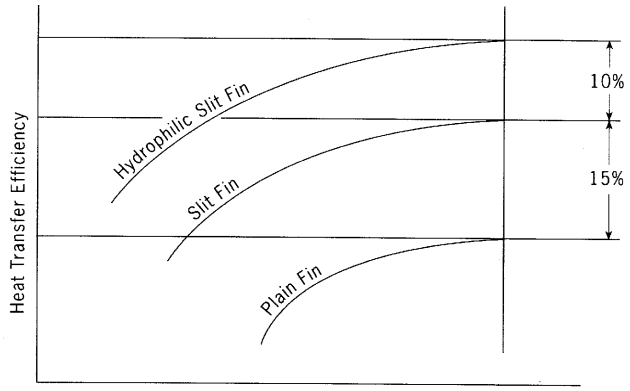
This function is able to detect and to disgnose any faults occuring in the system by blinking of the LED lights. Simplify and ease for troubleshooting.

Facilitated Maintenance Ensure

The new design of air discharge housing where by the fan blower can be easily accessed by just losing two screws on the unit to provides a flexible, faster and easier way to clean up the fan blower and ionizer. Maintenance is easy for electrical components, piping and wiring as these are all easily accessible by merely removing front plastic panel.

High Efficiency Heat Exchanger

The compact design of the 3-fold structure heat exchanger provides a large surface are for better and efficient heat exchange. The unique Hydrophilic slit fin has greatly improved the air flow and the contact surfaces with the air thus to boost the cooling capacity.



Wireless Remote Controller

- The compact LCD transmitter is able to operate the air conditioner unit within the distance of 9 meters.
- Fan motor speed can be set at low / medium / high or automatic.
- Sleep mode auto control will gradually increase or decrease the setting temperature to provide a comfortable surrounding for sleeping.
- Air flow direction can be controlled automatically.
- Room temperature is controlled by electronic thermostat.
- The real time timer allows the air conditioner to be switched on and off automatically based on user settings.
- Turbo mode function is available to enables the required set temperature to be achieved in a short time
- Personalized setting allows user to preset and store 2 groups of personal settings (including timer setting) in the handset.
- Auto random restart is a function where by when there is power failure occurred during operation, the unit will automatically restart as the last setting condition once the power is resumed.

Rotary Compressors

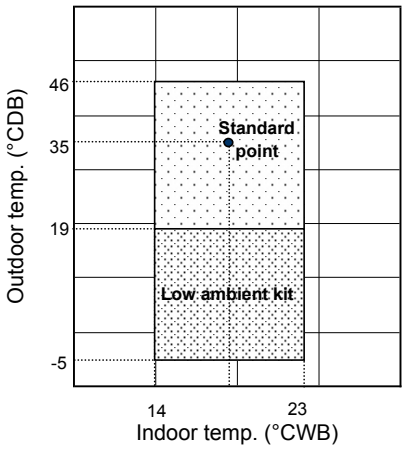
The ever popular rotary compressor is more energy efficient and has a higher output to weight ratio.

Application Information

Operating Range

Ensure the operating temperature is in allowable range.

Cooling only

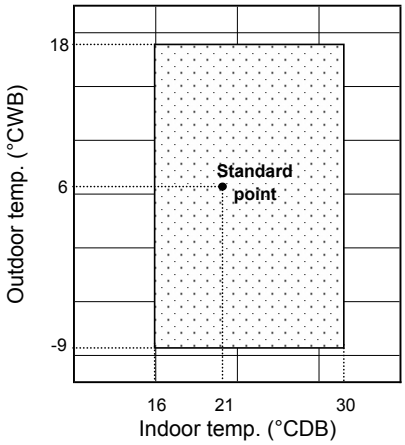


⚠ Caution :

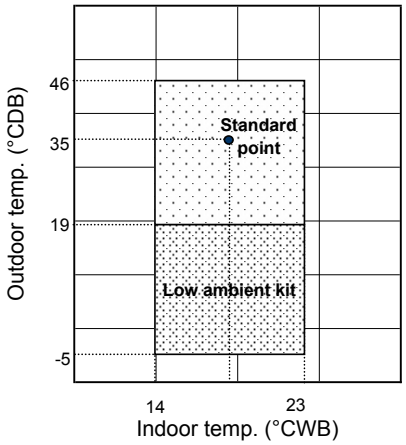
The use of your air conditioner outside the range of working temperature and humidity can result in serious failure.

Heatpump

Heating



Cooling



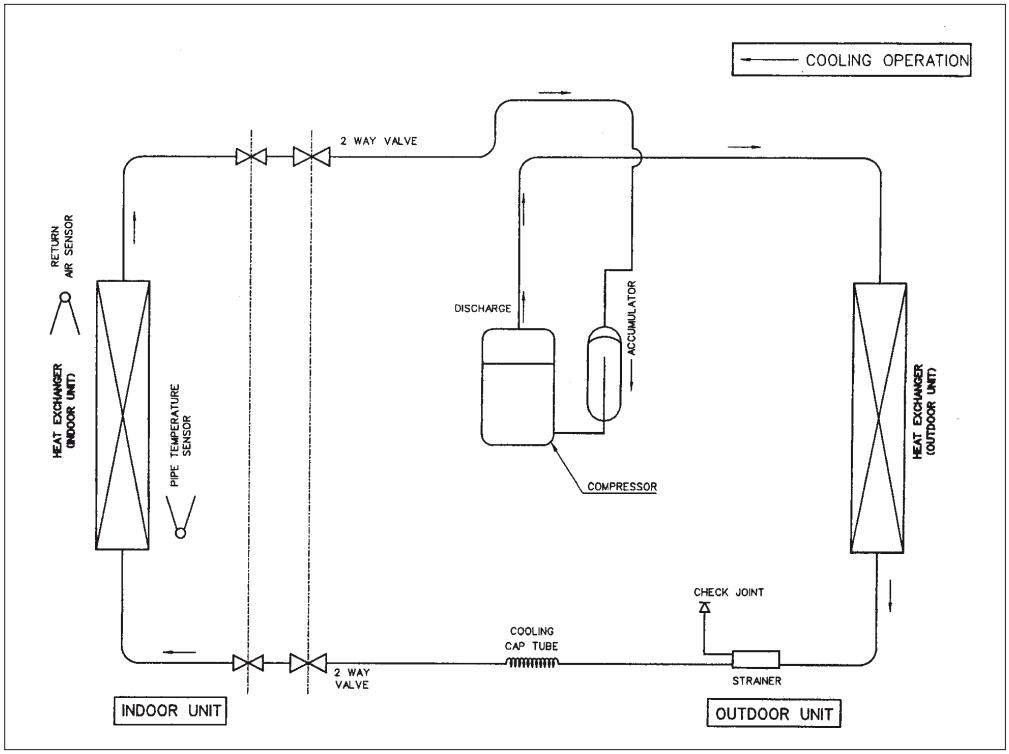
Note :

Standard operating range.

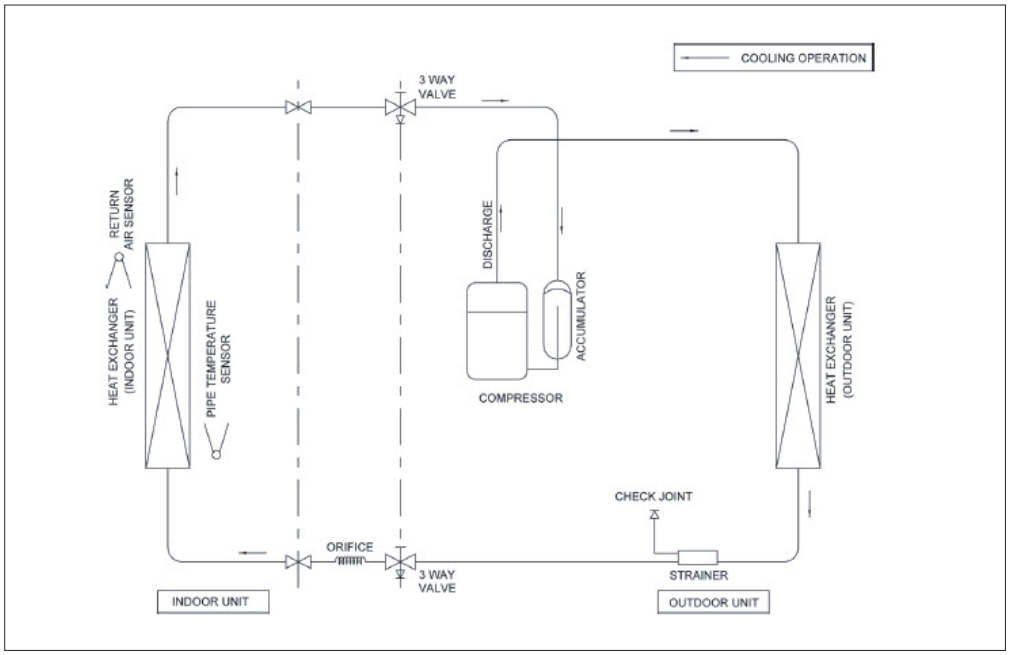
With Low ambient kit. (Optional item)
Please refer to local dealer for unit of this specification.

Refrigerant Circuit Diagram

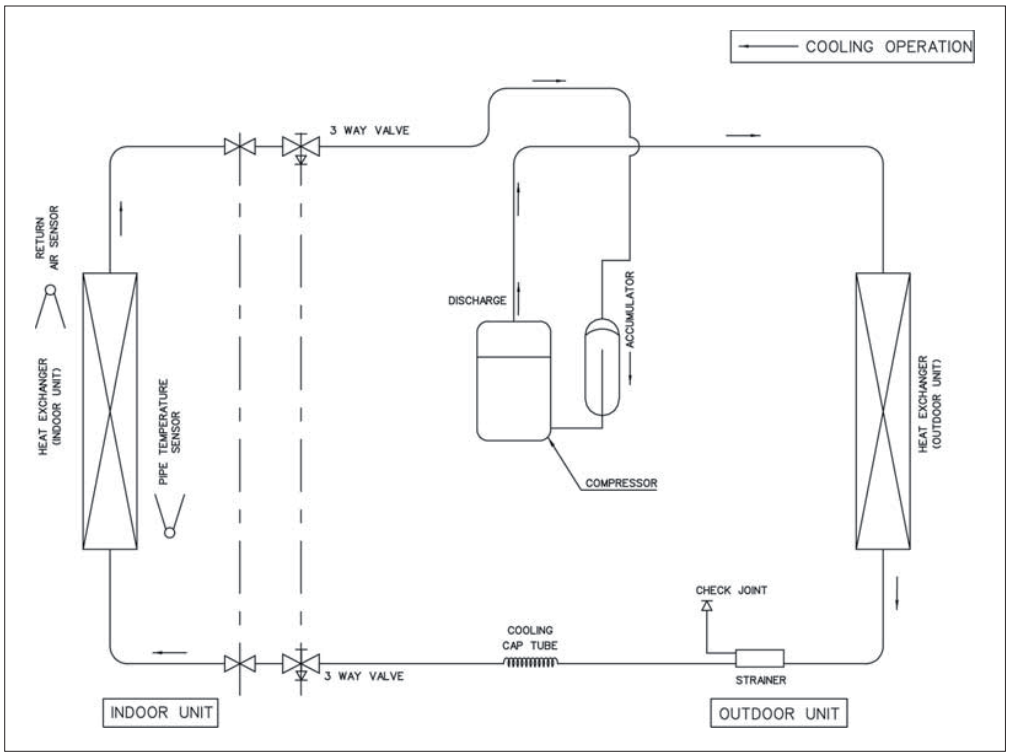
Model: MWM07G2 - MLC007C M5WM07G2 - M5LC007C
MWM09G2 - MLC009C M5WM09G2 - M5LC009C
MWM10G2 - MLC010C M5WM10G2 - M5LC010C
MWM15G2 - MLC015C M5WM15G2 - M5LC015C



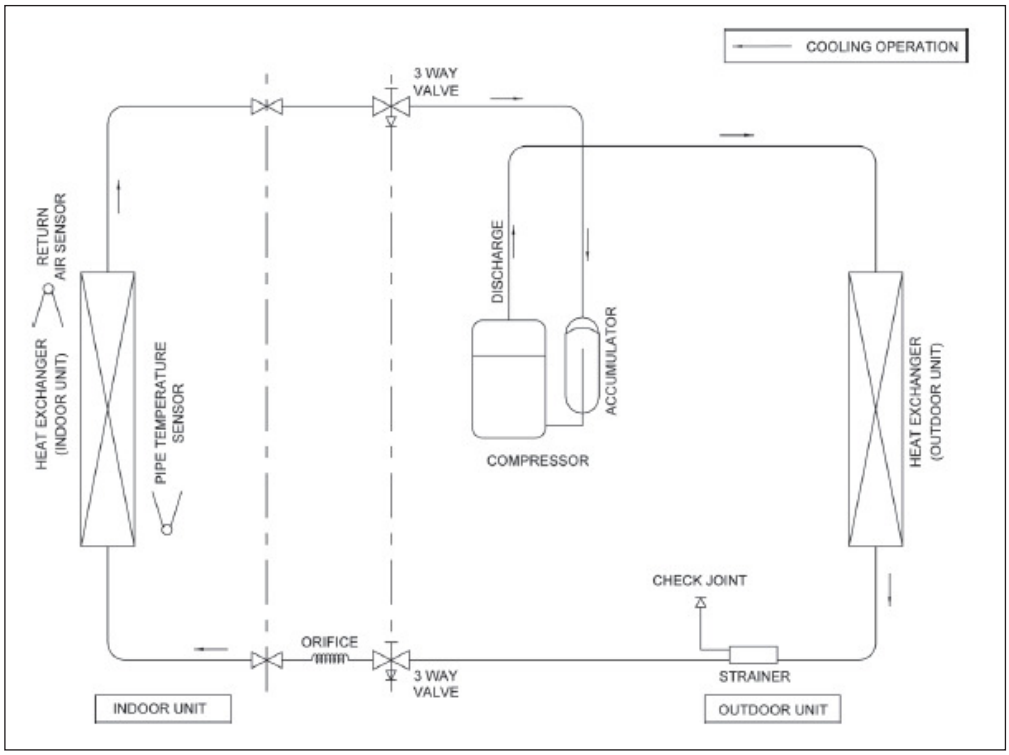
Model: MWM20G2 - MLC018C M5WM20G2 - M5LC020C
MWM20G2 - MLC020C M5WM25G2 - M5LC025C



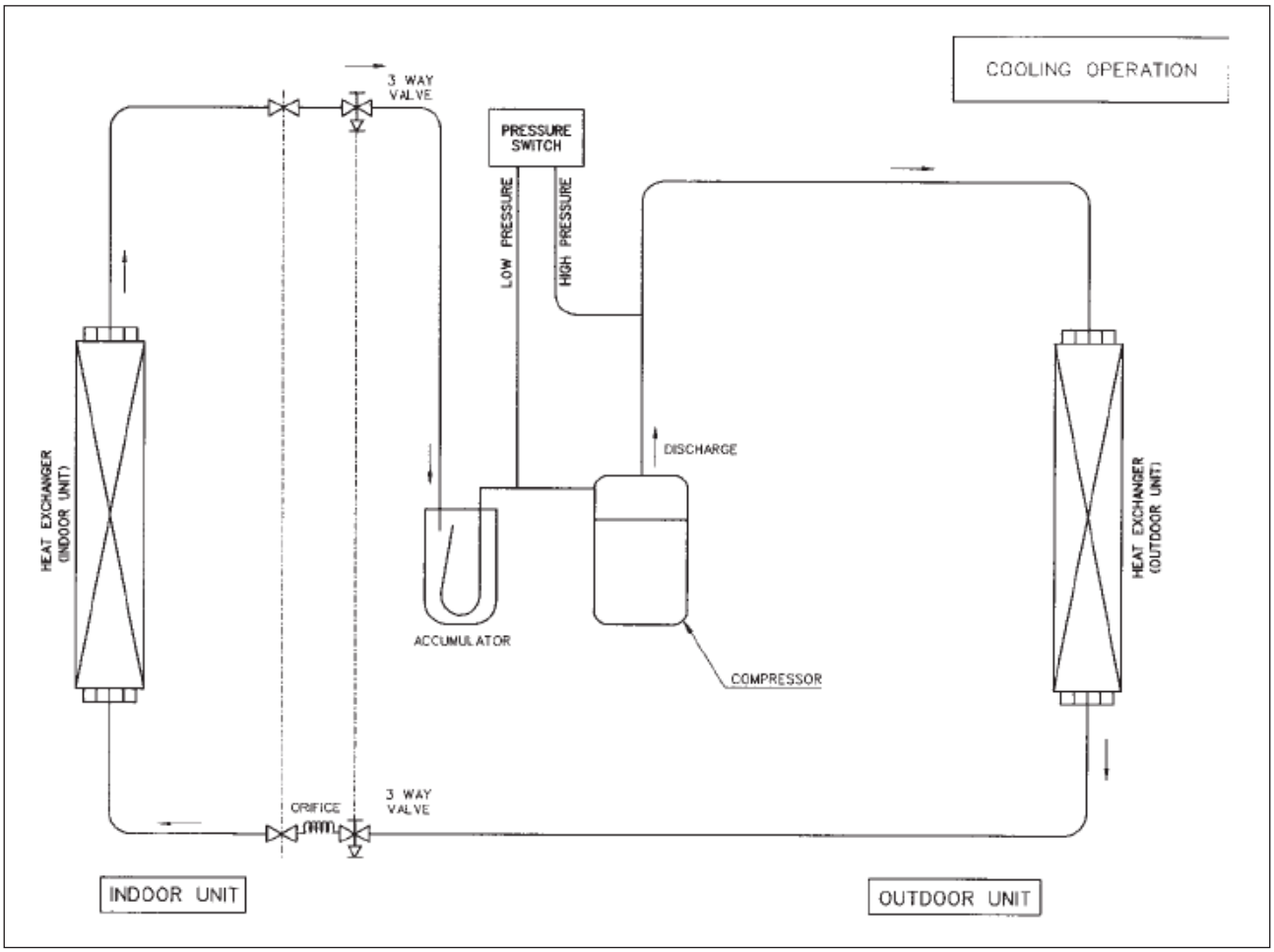
Model: MWM25G2 - MLC025C M5WM031F - M5LC028C



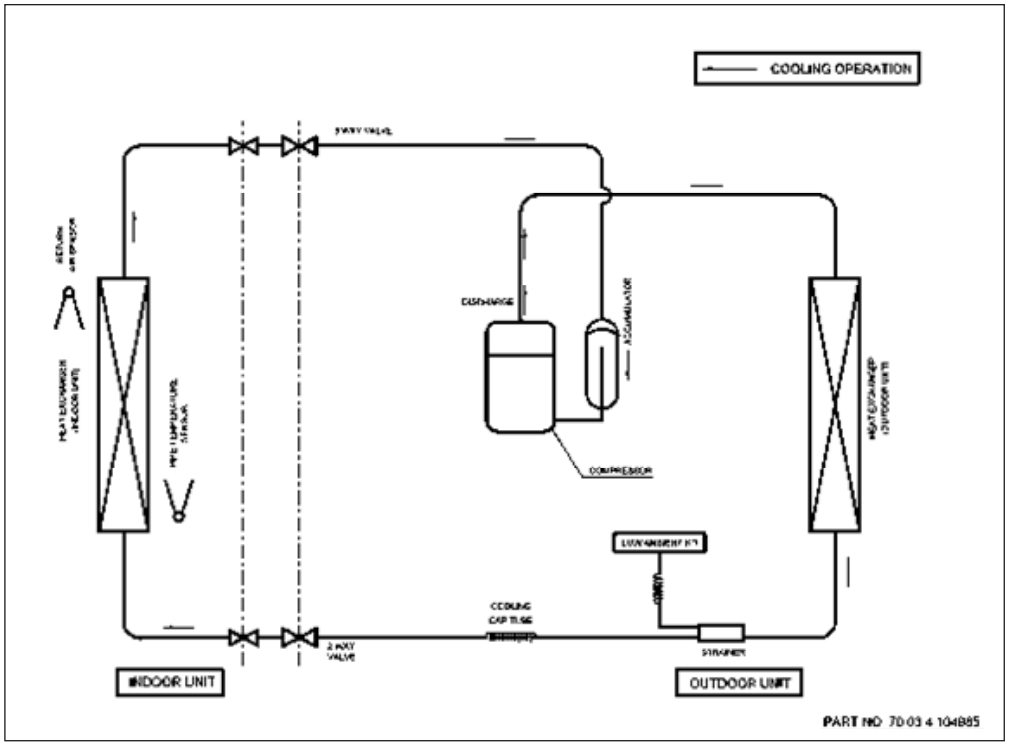
Model: MWM030F - MLC028C



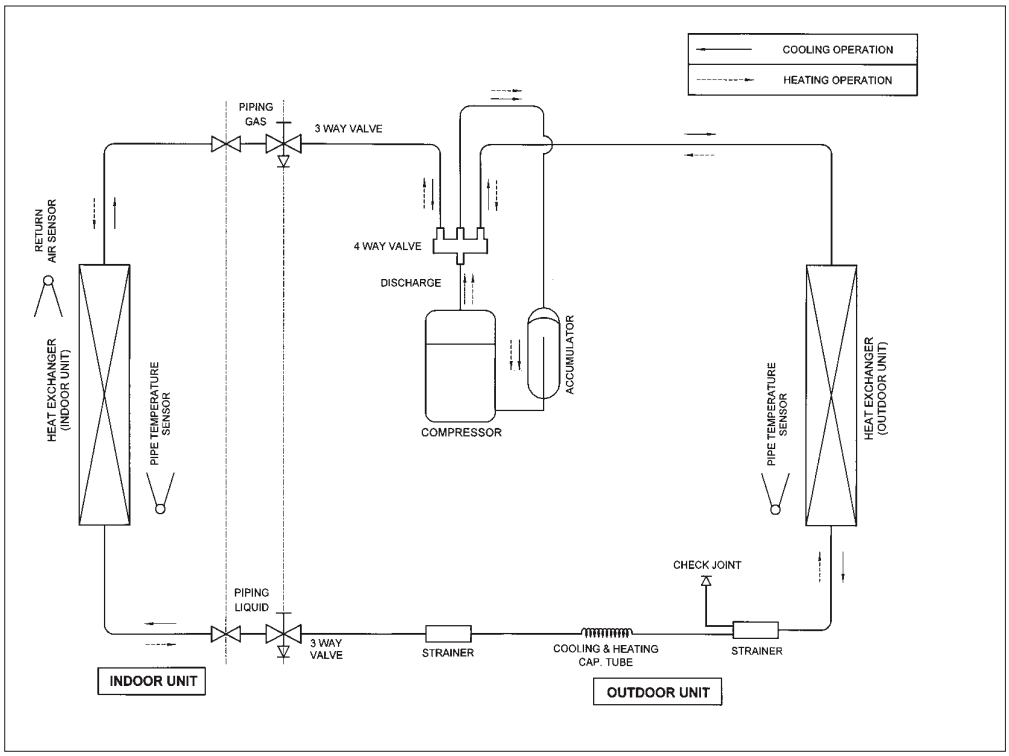
Model: MWM030F – MLC030C



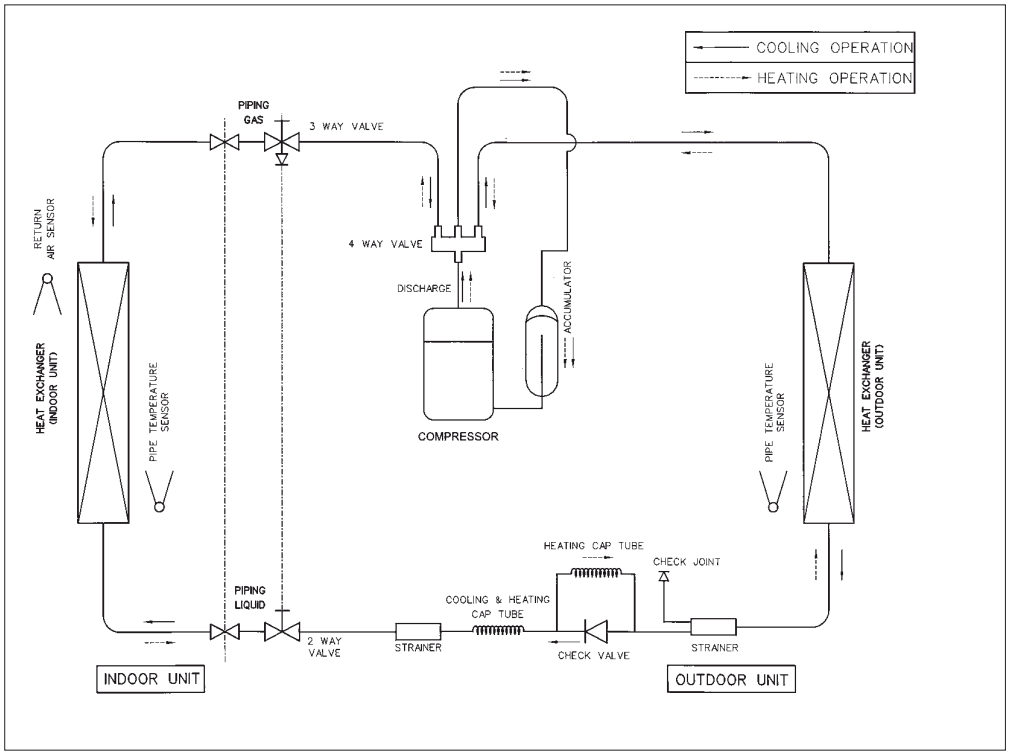
Model: M5WM20/25G2 - M5LC020/025C (With Low Ambient Kit)
M5WM030F - M5LC028C (With Low Ambient Kit)



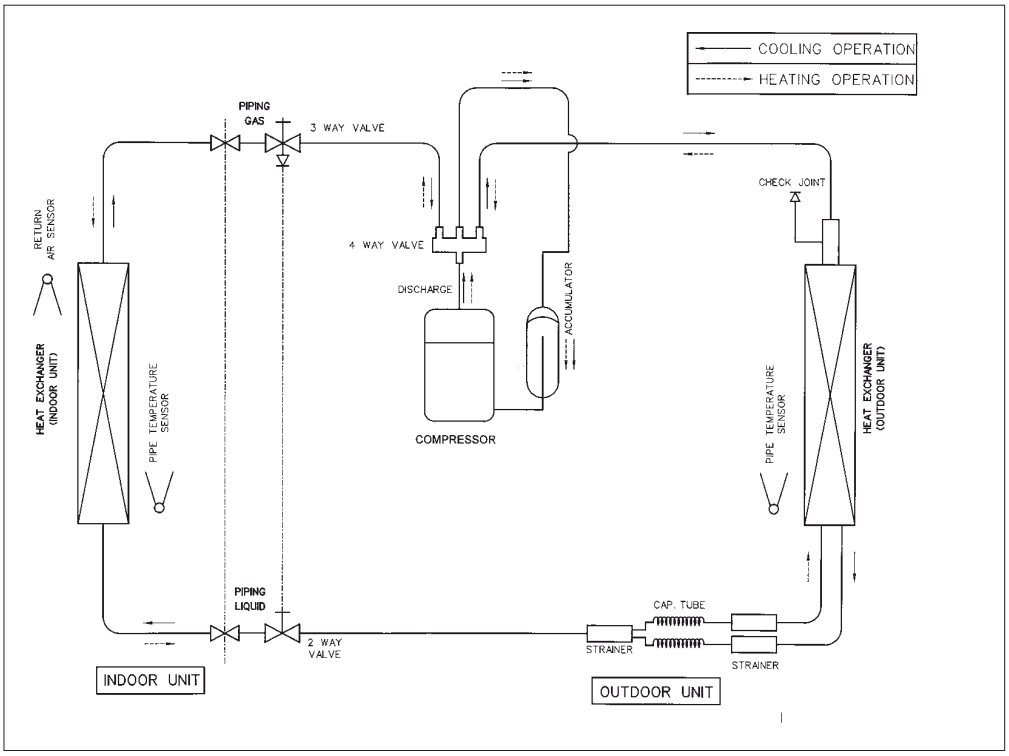
Model: MWM09G2R - MLC009CR M5WM07G2R - M5LC007CR



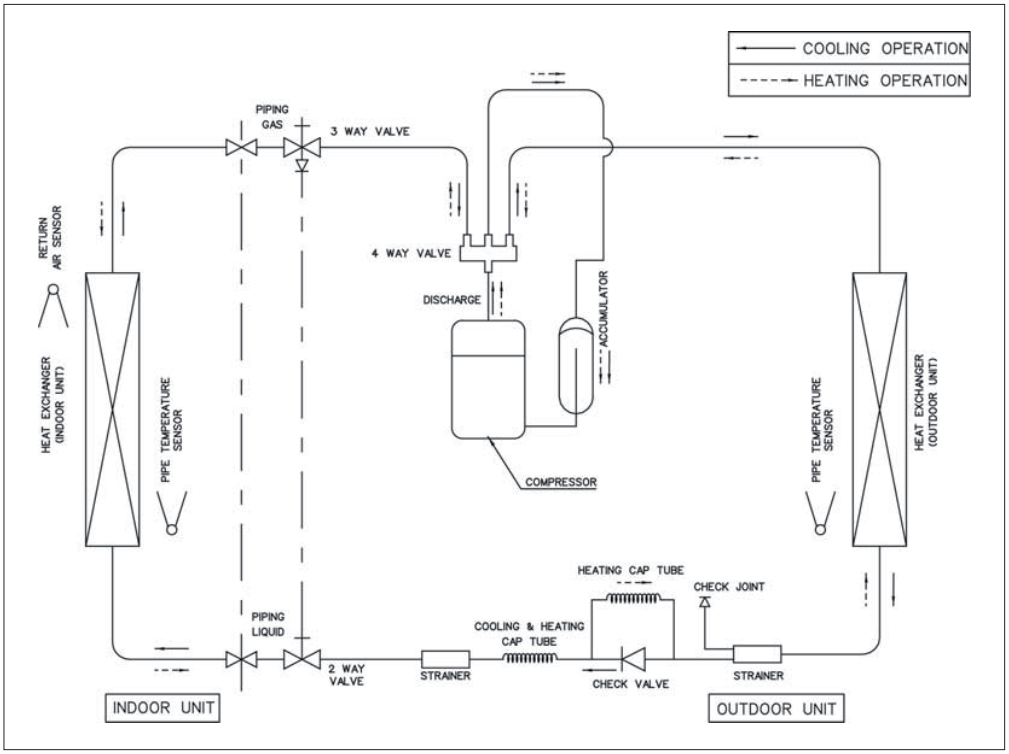
Model: MWM10G2R - MLC010CR M5WM09G2R - M5LC010CR M5WM10G2R - M5LC010CR



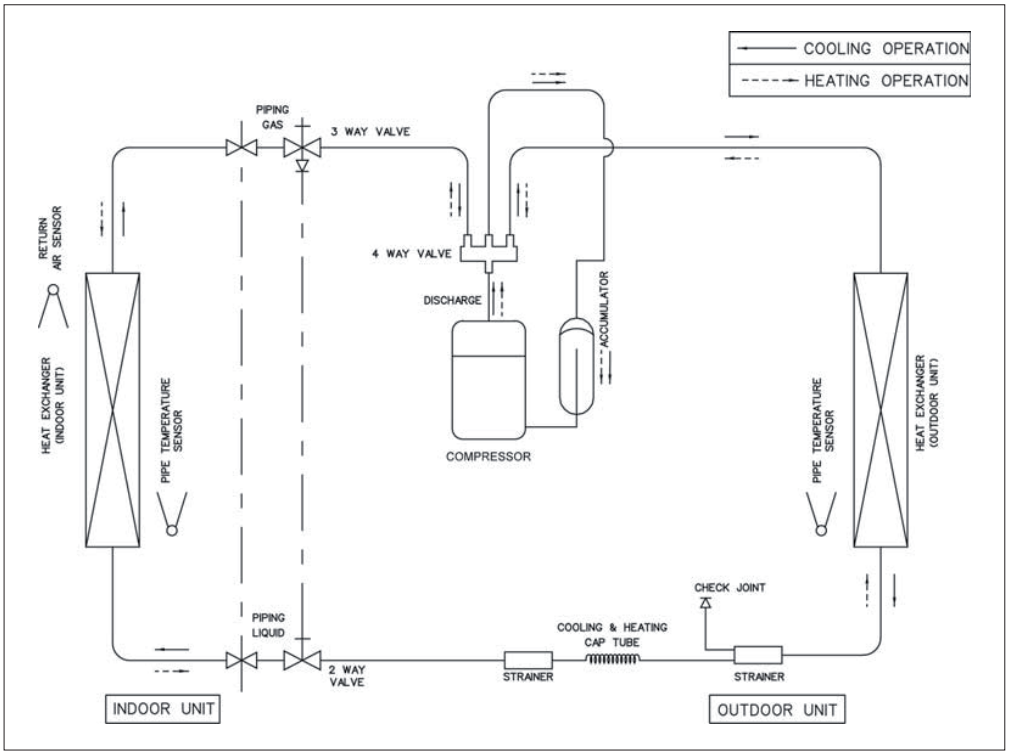
Model: MWM15G2R - MLC015CR M5WM15G2R - M5LC015CR



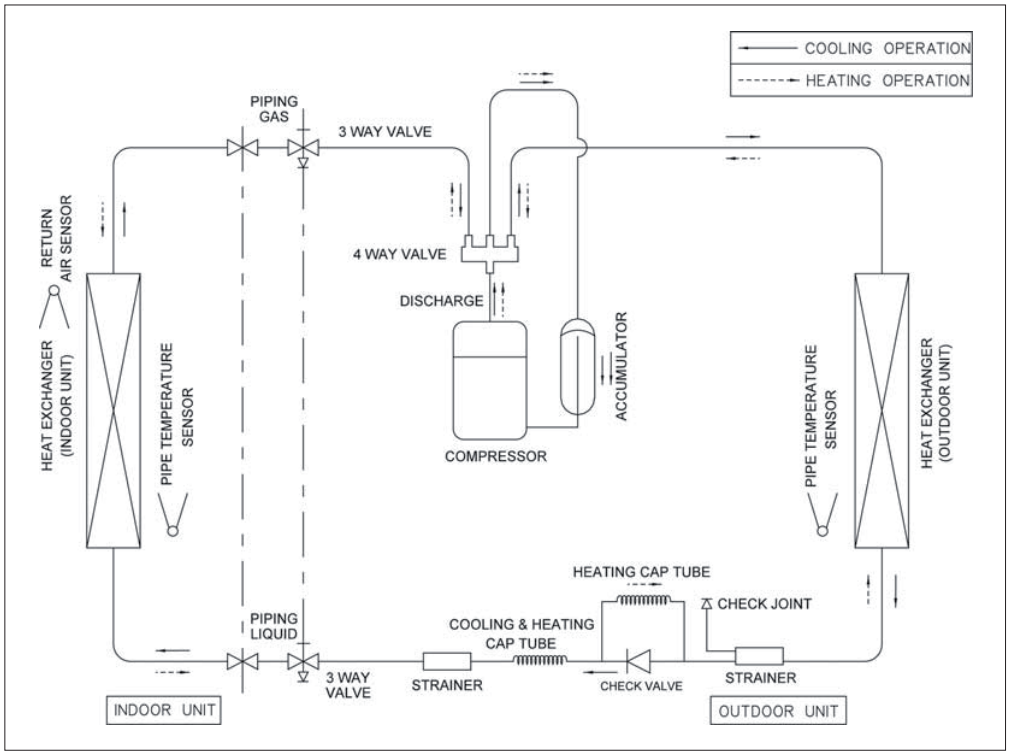
Model: MWM20G2R - MLC020CR M5WM20G2R - M5LC020CR
M5WM25G2R - M5LC025CR



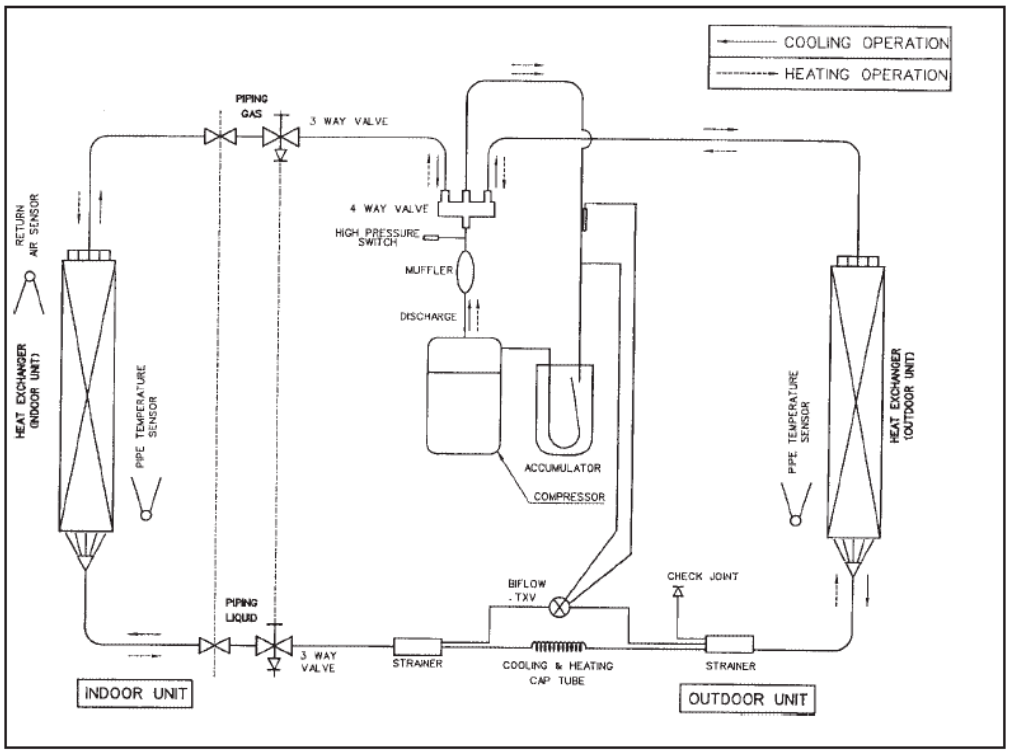
Model: MWM25G2R - MLC025CR



Model: MWM030FR - MLC028CR M5WM030FR - M5LC028CR

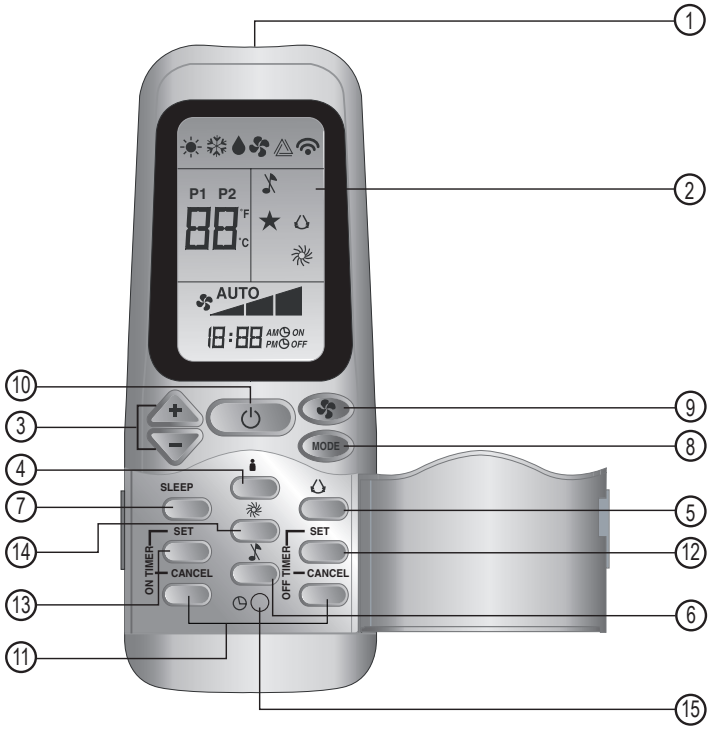


Model: MWM030FR – MLC030CR



Controller

G17



Operation Guide

1	**Transmission Source** • The source where the signal will be transmitted.
2	**Signal Transmission Indication** • Blink to confirm that the last setting has been transmitted to the unit.
3	**Temperature Setting** • To set the desired room temperature, press the ▲ or ▼ button to increase orde crease the set temperature. • The temperature setting range is from 16°C to 30°C (optional setting 20°C to 30°C).
4	**Personalize Setting** • Press and hold for 3s, then will blink. Press again to cycle between and • Set the desire setting, then leave the hand set for 4s without pressing any key and it will save the setting into the programme. • Press once to activate the P1 setting, press again to cycle between P1 and P2. • Press any key to deactivate the personalize setting.
5	**Automatic Air Swing (optional)** • Press the SWING button to activate the automatic air swing function. • To distribute the air to a specific direction, press the SWING button and wait until the louver move to the desired direction and press the button once again.
6	**Silent Function** • Press for quiet operation. • Fan speed turn to minimum speed. • Press again to deactivate the function.
7	**Sleep Mode Setting** • Press the SLEEP button will activate the sleep mode function. This function is available under COOL, HEAT and AUTO mode. • When the unit is operating under cooling mode, the set temperature is increased by 0.5°C after 30 minutes, 1°C after an hour, and 2°C after 2 hours. • When the unit is operating under heating mode, the set temperature is decreased by 1°C after 30 minutes, 2°C after an hour, and 3°C after 2 hours.
8	**Operating Mode** • Press the MODE button to select the type of operating mode. • For cooling only unit, the available modes are: COOL (❄), DRY (💧) and FAN ().
9	**Fan Speed Selection** • Press the button continuously will toggle the fan speed in the following order: Low → Med → High → Auto • Stop pressing when the desired fan speed appears on the display screen.
10	**"ON/OFF" Button** • Press one to start the air conditioner unit. • Press again to stop the unit.
11	**Timer Cancel** • Press the TIMER CANCEL button to cancel the on timer setting.
12	**OFF Timer Setting** • Press the OFF TIMER button will activate the off timer function. • Set the desired off time by pressing the OFF TIMER button continuously.
13	**ON Timer Setting** • Press the ON TIMER button will activate the on timer function. • Set the desired on time by pressing the ON TIMER button continuously. If the timer is set to 7.30am, the air conditioner will turn on at 7.30am sharp.
14	**Turbo Function** • Press for fast cooling. • Fan speed turn to maximum speed. • Press again to deactivate the function.
15	**Clock Time Setting** • Press and hold to set the clock time.

Installation Guideline

Safety Precautions

⚠ WARNING

- Installation and maintenance should be performed by qualified persons who are familiar with local code and regulation, and experienced with this type of appliance.
- All field wiring must be installed in accordance with the national wiring regulation.
- Ensure that the rated voltage of the unit corresponds to that of the name plate before commencing wiring work according to the wiring diagram.
- The unit must be GROUNDED to prevent possible hazard due to insulation failure.
- All electrical wiring must not touch the refrigerant piping or any moving parts of the fan motors.
- Confirm that the unit has been switched OFF before installing or servicing the unit.
- Disconnect from the main power supply before servicing the air conditioner unit.
- DO NOT pull out the power cord when the power is ON. This may cause serious electrical shocks which may result in fire hazards.
- Keep the indoor and outdoor units, power cable and transmission wiring, at least 1m from TVs and radios, to prevent distorted pictures and static. {Depending on the type and source of the electrical waves, static may be heard even when more than 1m away}.

⚠ CAUTION

Please take note of the following important points when installing.

- **Do not install the unit where leakage of flammable gas may occur.**

  If gas leaks and accumulates around the unit, it may cause fire ignition.
- **Ensure that drainage piping is connected properly.**

  If the drainage piping is not connected properly, it may cause water leakage which will dampen the furniture.
- **Do not overcharge the unit.**

  This unit is factory pre-charged. Overcharge will cause over-current or damage to the compressor.
- **Ensure that the unit's panel is closed after service or installation.**

  Unsecured panels will cause the unit to operate noisily.
- **Sharp edges and coil surfaces are potential locations which may cause injury hazards. Avoid from being in contact with these places.**
- **Before turning off the power supply, set the remote controller's ON/OFF switch to the "OFF" position to prevent the nuisance tripping of the unit.** If this is not done, the unit's fans will start turning automatically when power resumes, posing a hazard to service personnel or the user.
- **Do not operate any heating apparatus too close to the air conditioner unit.** This may cause the plastic panel to melt or deform as a result of the excessive heat.
- **Ensure the color of wires of the outdoor unit and the terminal markings are same to the indoors respectively.**
- **IMPORTANT : DO NOT INSTALL OR USE THE**
- **AIR CONDITIONER UNIT IN A LAUNDRY ROOM.**
- **Do not use joined and twisted wires for incoming power supply.**

NOTICE

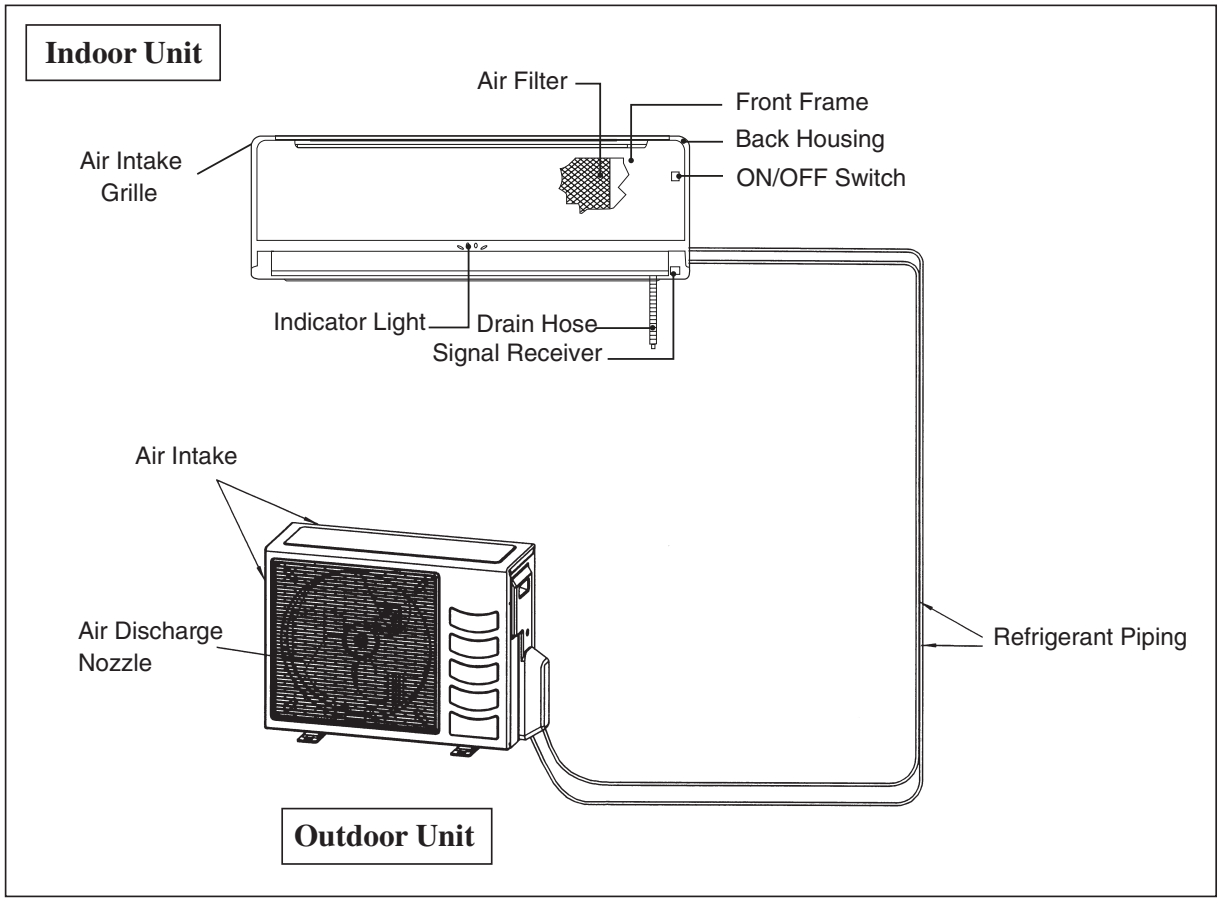
Disposal requirements

Your air conditioning product is marked with this symbol. This means that electrical and electronic products shall not be mixed with unsorted household waste.

Do not try to dismantle the system yourself: the dismantling of the air conditioning system, treatment of the refrigerant, of oil and of other parts must be done by a qualified installer in accordance with relevant local and national legislation. Air conditioners must be treated at a specialized treatment facility for re-use, recycling and recovery. By ensuring this product is disposed of correctly, you will help to prevent potential negative consequences for the environment and human health. Please contact the installer or local authority for more information.

Batteries must be removed from the remote controller and disposed of separately in accordance with relevant local and national legislation.

Installation Diagram



Caution

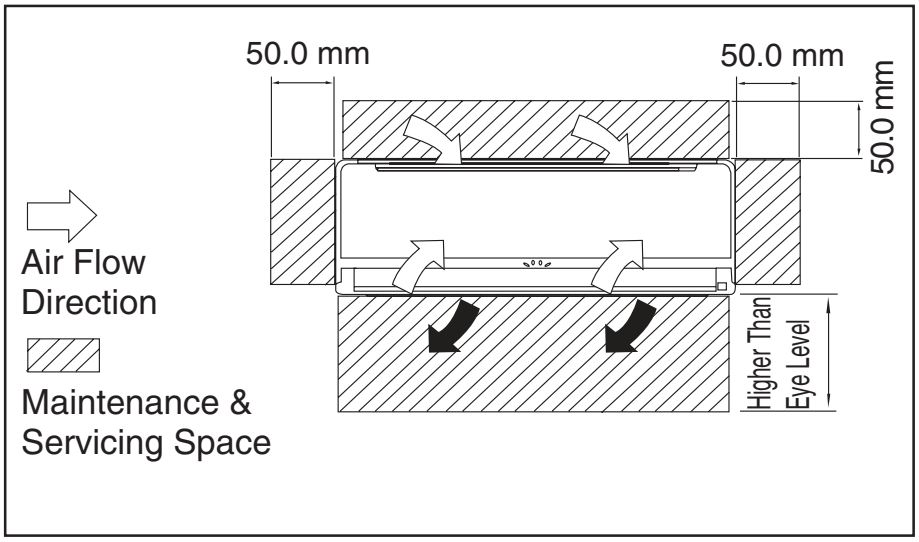
- Before installing the unit, ensure that the power supply matches the power requirement of the airconditioner.

Selection of Location and Space

Indoor Unit

Install the fan coil (indoor) unit at a location with the following requirements

- Location is suitable for wiring, piping and drainage.
- No obstruction of air flow into and out of unit where cooler air can be evenly distributed.(See fig. 1)
- Ensure that air discharge is not short circuited with air intake.
- Ensure that wall is sufficiently strong, rigid, flat, perpendicular and vibration free.
- Where air filter cassette can be slided in or out easily.
- Where there is no danger of flammable gases.
- Where there is no direct sunlight on unit.
- Also to take into consideration a place for the installation of the Wireless LCD Remote Controller.



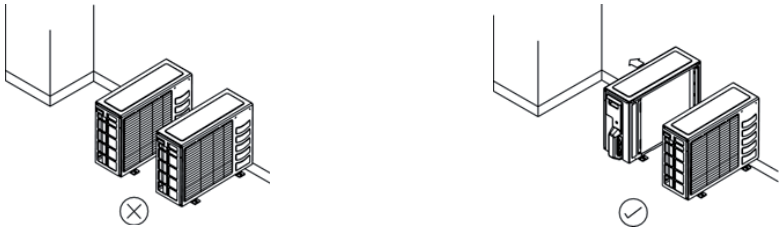
Caution

- Do not install unit near the door waybecause excessive fresh air may causepanel condensation on the unit.

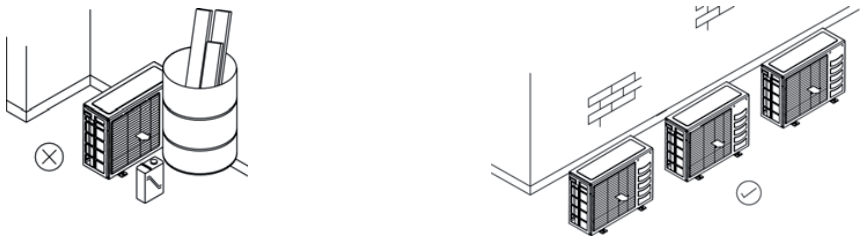
Outdoor Unit

As condensing temperature rises, evaporating temperature rises and cooling capacity drops. In order to achieve maximum cooling capacity, the location selected for outdoor unit should fulfill the following requirements :

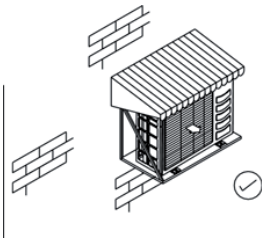
- Install the condensing (outdoor) unit in a way such that hot air distributed by the outdoor condensing unit cannot bedrawn in again (as in the case of short circuit of hot discharge air). Allow sufficient space for maintenance around the unit.



- Ensure that there is no obstruction of air flow into or out of the unit. Remove obstacles which block air intake ordischarge.



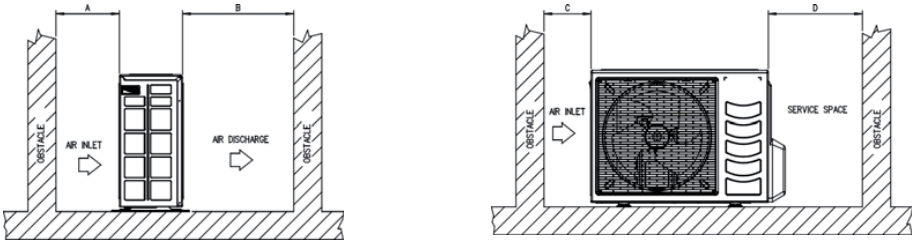
- The location must be well ventilated, so that the unit can draw in and distribute plenty of air thus lowering the condensing temperature.
- A place capable of bearing the weight of the outdoor unit and isolating noise and vibration.
- A place protected from direct sunlight. Otherwise use an awning for protection, if necessary.



- The location must not be susceptible to dust or oil mist.

Installation Clearance

- Outdoor units must be installed such that there is no short circuit of the hot discharge air or obstruction to smooth airflow. Select the coolest possible place where intake air should not be hotter than the outside temperature (max. 45°C)



ALL MODELS	A	B	C	D
Minimum Distance	300 mm	1000 mm	300 mm	500 mm

CAUTION : If the condensing unit is operated in an atmosphere containing oils (including machine oils), salt (coastal area), sulphide gas (near hot spring, oil refinery plant), such substances may lead to failure of the unit.

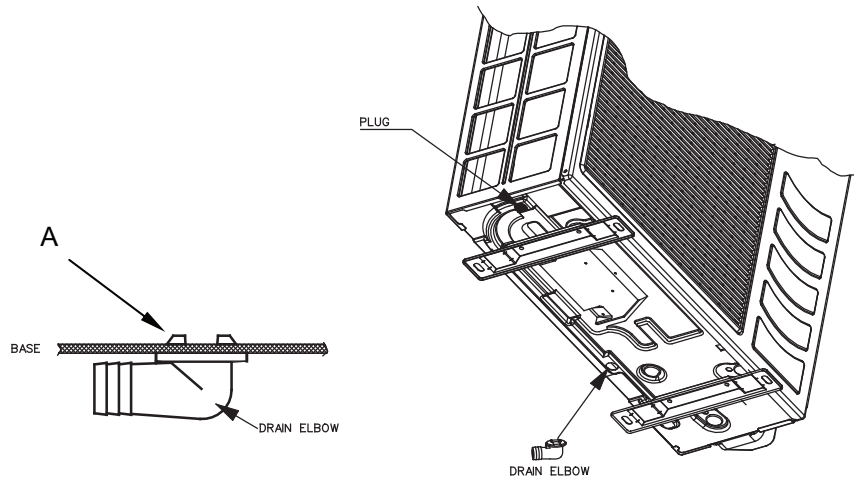
⚠ Caution

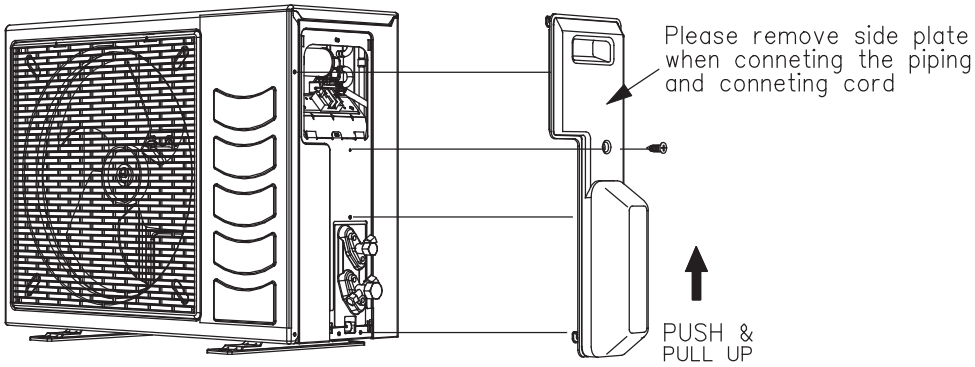
- If the condensing unit is operated in an atmosphere containing oils(including machine oils),salt(coastal area), sulphide gas(near hot spring, oil refinery plant), such substances may lead to failure of theunit.

Installation of Outdoor Unit

Condensed Water Disposal of Outdoor Unit (Heat Pump Unit Only)

- There are 2 holes on the base of outdoor unit for condensed water to flow out. Insert the drain elbow toone of the holes.
- To install the drain elbow, first insert one portion of the hook to the base (portion A), then pull the drainelbow in the direction shown by the arrow while inserting the other portion to the base. After installation,check to ensure that the drain elbow clings to base firmly.
- If the unit is installed in a snowy and chilly area, condensed water may freeze in the base. In such case, please remove plug at the bottom of unit to smooth the drainage.





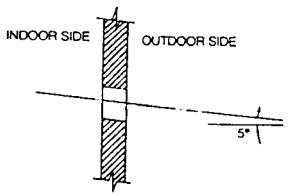
Drilling Holes and Mounting Installation Installation Plate

Caution

- Please check the unit weight for each model. Always ensure that the wall is sufficiently strong to withstandthe weight. If not, it is necessary to reinforce the wall with plate, beams or pillars.
- The unit cannot be directly fixed onto the wall or the likes. In all cases, the installation plate provided MUST be used.

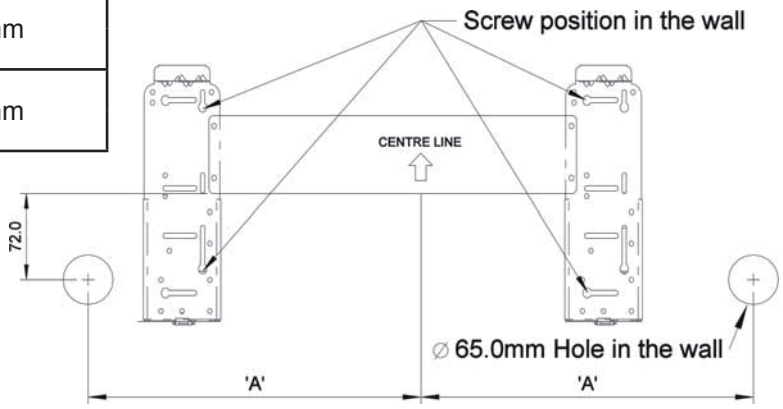
- Paste the installation plan provided on the desired location on the wall and mark the holes location accordingly.
- Ensure that the minimum maintenance and servicing space at the top, left and right side of the unit isreserved.
- Ensure also the levelness of the installation plate.
- Drill the screw mounting holes (minimum 4 screws are required).
- Drill the pipe hole at the location as per plan. (This is only applicable for rear piping outlet installation).

Note: The hole should be drilled slightly lower at outdoor side as per figure below:--



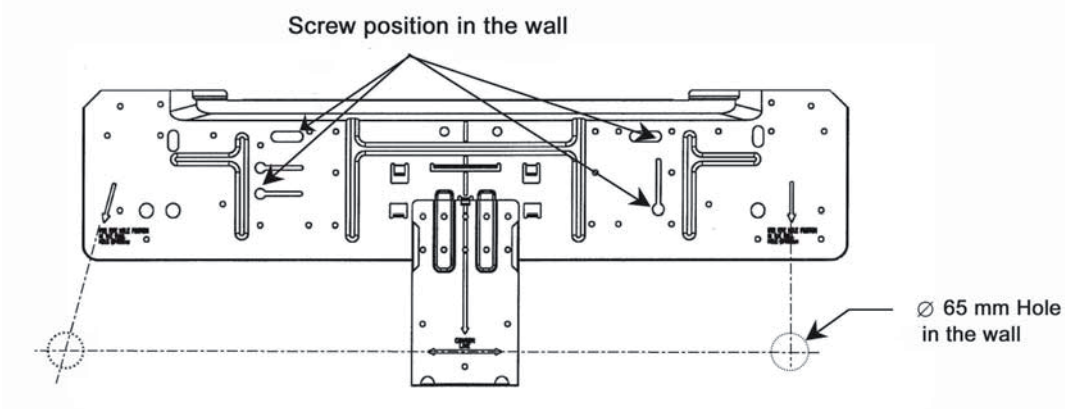
- Fix the installation plate firmly to wall, without tilting to left or right. Use a plumb line, if available.

Model	DIMENSION “A”
MWM07/09G2/G2R	350.0 mm
M5WM07/09G2/G2R	
MWM10/15G2/G2R	400.0 mm
M5WM10/15G2/G2R	

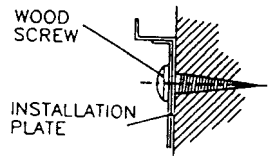
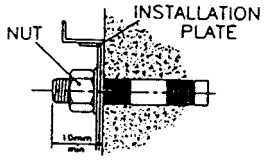
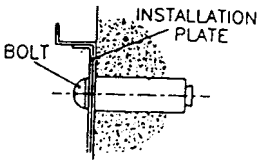


MODEL

MWM20/25G2/G2R, M5WM20/25G2/G2R, MWM030F/030FR, M5WM031F/030FR



• Fixing method:-

WOODENFRAME WALL	REINFORCED CONCRETE BUILDING	
	NUT ANCHOR	BOLT ANCHOR
		

Indoor Unit Preparation

• The refrigerant piping can be routed to the unit in 5 direction, by using the cut outs in the unit casing. (See fig. 1)

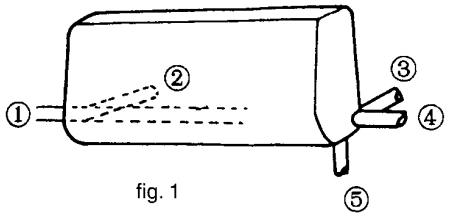
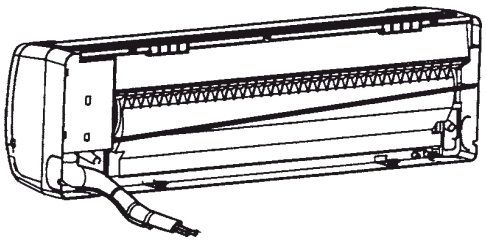


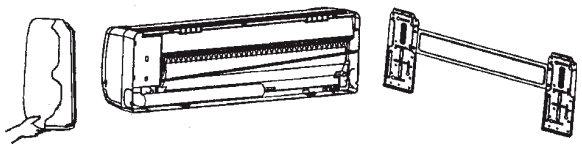
fig. 1

• Carefully bend the pipes to the required position to align with the hole. For right hand and rear side drawout, hold the bottom of the piping and fix direction before shaping it to the desired position (See fig. 2). The condensation drain hose should be taped to the pipes with vinyl tape. The electrical cable can also betaped to the pipes.



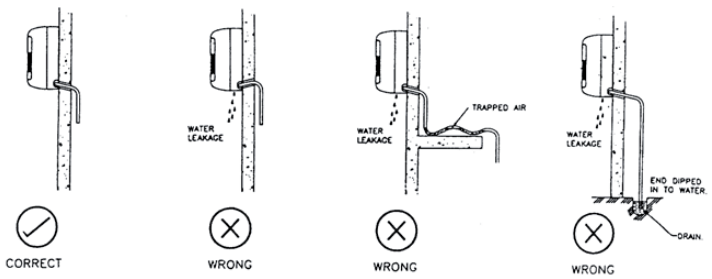
Mounting Indoor Unit

Hook the indoor unit onto the upper portion of installation plate. (Engage the 2 hooks of rear top of the indoor unit withthe upper edge of the installation plate). Ensure the hooks are properly seated on the installation plate by moving in left and right.



Water Drainage Piping

The indoor drain pipe must be downward gradient for smooth drainage. Avoid situation as shown in figure below.



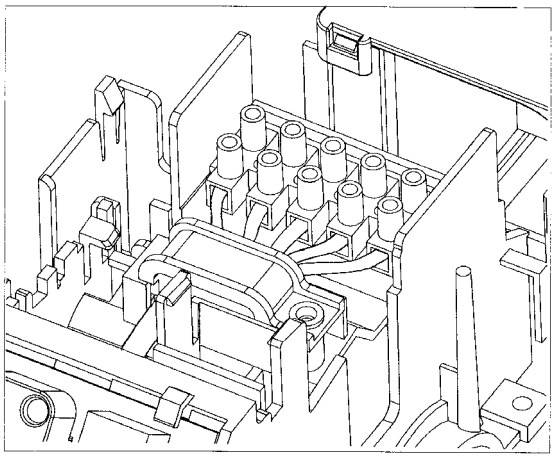
Wiring

Electrical Connection

- Wiring regulation on wire diameters differ from country to country. Please refer to your LOCAL ELECTRICAL CODES for field wiring rules. Be sure that installation comply with such rules and regulations.

General Precautions

- Ensure that the rated voltage of the unit corresponds to the name plate before carrying out proper wiring according to the wiring diagram.
- Provide a power outlet to be used exclusively for each unit. A power supply disconnect and a circuit breaker for over current protection should be provided in the exclusive line.
- The unit must be GROUNDED to prevent possible hazards due to insulation failures.
- All wiring must be firmly connected.
- All wiring must not touch the hot refrigerant piping, compressor or any moving parts of fan motors.
- The field wires from the indoor unit must be clamped on the wire clamp as per shown in the figure.



Refrigerant Piping

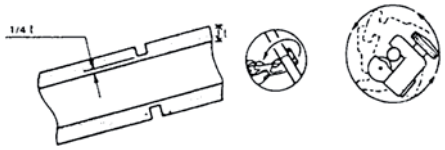
Maximum pipe Length and Maximum Number of Bends

Always choose the shortest path for refrigerant piping and follow the recommendations as tabulated below:

Model / Data	MWM/ M5WM 07G2/G2R	MWM 09G2/G2R	MWM/ M5WM 10G2/G2R	MWM/ M5WM 15G2/G2R	MWM/ M5WM 20G2/G2R	MWM/ M5WM 25G2/G2R	M5WM 031F/030FR MWM030F/R
Max. Length, L (m)	12	12	12	12	15	15	15
Max. Elevation, H (m)	5	5	5	5	8	8	8
Max. No. of Bends	10	10	10	10	10	10	10

Flare Connection

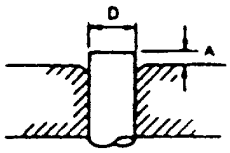
- Cut the pipe stages by stages, advancing the blade of pipe cutter slowly.



- Remove burr with the burr remover. Hold the flaring end down to prevent burrs from dropping inside pipe.

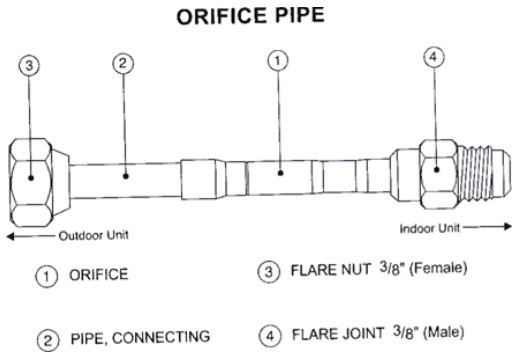
- The exact length of pipe protruding from the face of the flare die is determined by the flaring tool. The table shows the use of an imperial die and riged die.

PIPE Ø, D (mm)	A(mm)	
	IMPERIAL DIE	RIGED DIE
6.35 (1/4”)	1.3	0.7
9.52 (3/8”)	1.6	1
12.7 (1/2”)	1.9	1.3
15.88 (5/8”)	2.2	1.7

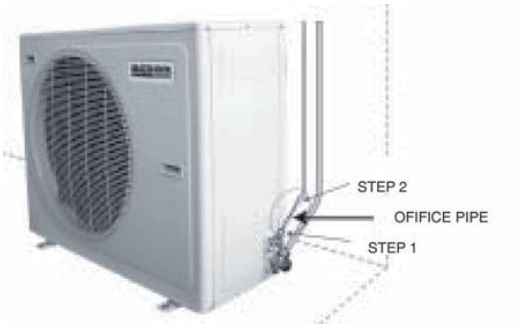


Fix the pipe firmly on the flare die. Match the centers of both the flare die and the flaring punch, and tighten flaring punch fully.

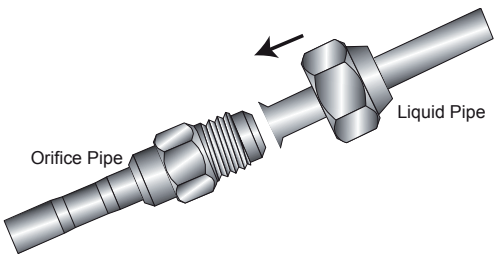
INSTALLATION OF SEPARATE ORIFICE KIT AT OUTDOOR



i) Outdoor Unit Installation Space Is Wide Enough

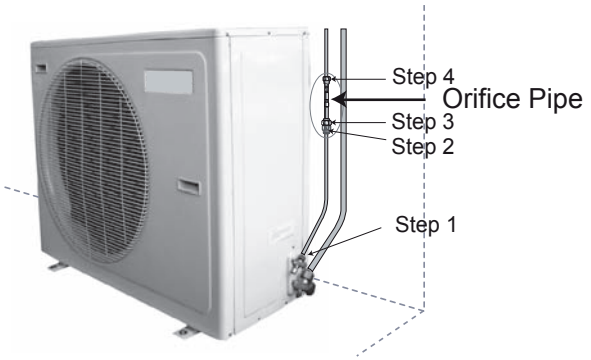
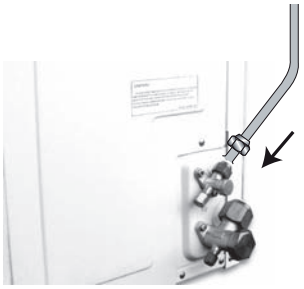
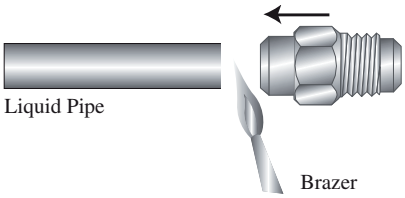
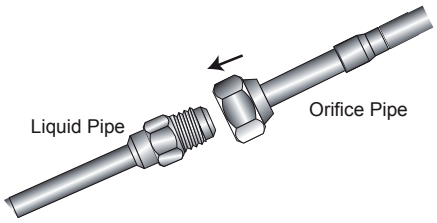
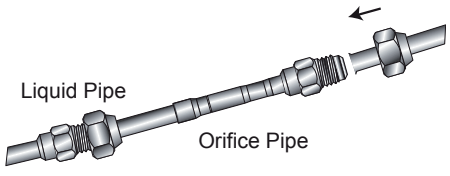


- Directly connect the “Female” nut of orifice pipe to the liquid pipe.



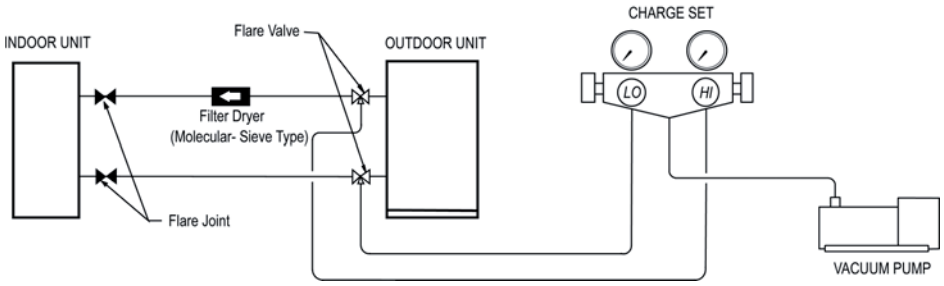
- Flare the liquid pipe and connect it to the “Male” joint of the orifice pipe.

ii) Outdoor Installation Space Is Limited

	• If the orifice pipe can not be connected directly to the liquid valve due tolimitation space, it can be connected between the liquid pipes.
	• Flare the liquid pipe and connect it to the liquid valve.
	• Braze an addition “Male” joint to the liquid pipe.
	• Connect the “Female” nut of the orifice pipe to the “Male” joint.
	• Flare another liquid pipe and connect it to the “Male” joint of the orifice pipe.

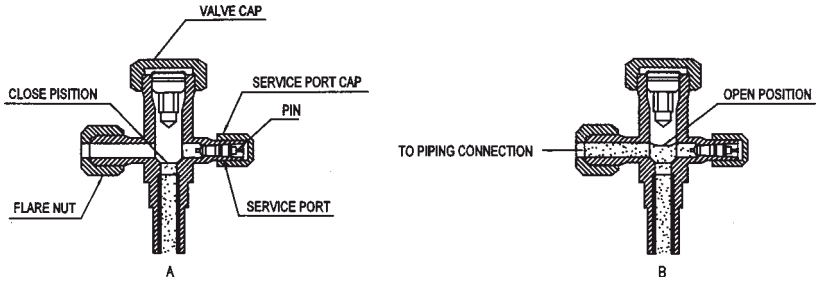
VACUUMING AND CHARGING

- The precharged outdoor unit does not need any vacuuming or charging. However once it is connected, the connecting pipe line and the indoor need to be vacuumed before releasing the R22/R407C/R410A from the outdoor unit.
  1) Open the service port core cap.
  2) Connect pressure gauge to the service port.
  3) Connect the line to vacuum pump. Open the charging manifold valve and turn the pump on. Vacuum to–0.1 MPa (-760mmHg) or lower. (Evacuation time varies by the pump but averagely in 1 hour).



Note : R407C – Fix filter dryer
R22 - Nil
R410A - Nil

4) After evacuation, unscrew the spindle (diagram B) for the gas to run to indoor unit.



4) Decision by low side pressure. Turn compressor on for 10 or 15 min.

Model	Standard Condition		Heavy Load Condition	
	Indoor 27°C / Outdoor 35°C		Indoor 32°C / Outdoor 43°C	
	kg/cm²	psig	kg/cm²	psig
MWM07 G2	5.2 ~ 5.7	74.3 ~ 81.0	5.7 ~ 6.2	81.9 ~ 89.1
MWM09 G2	4.7 ~ 5.5	66.6 ~ 78.6	5.0 ~ 5.8	71.2 ~ 83.1
MWM10 G2	4.9 ~ 5.7	70.6 ~ 81.8	5.4 ~ 6.1	76.5 ~ 86.6
MWM15 G2	4.7 ~ 5.2	67.6 ~ 74.7	5.2 ~ 5.6	74.0 ~ 80.4
MWM20 G2	4.6 ~ 4.8	66 ~ 69	4.9 ~ 5.2	70 ~ 74
MWM25 G2	4.1 ~ 4.7	59 ~ 67	4.7 ~ 5.1	67 ~ 73
MWM030F	4.0 ~ 4.8	56.9 ~ 68.3	4.5 ~ 5.0	64.0 ~ 71.1
MWM07G 2R	5.2 ~ 5.8	74.8 ~ 82.3	5.6 ~ 6.1	79.3 ~ 87.7
MWM09G 2R	4.8 ~ 5.7	68.9 ~ 81.4	5.2 ~ 5.9	73.7 ~ 84.8
MWM10G 2R	4.9 ~ 5.9	70.5 ~ 83.7	5.4 ~ 6.3	76.5 ~ 90.7
MWM15G 2R	4.9 ~ 6.3	69.4 ~ 89.3	5.0 ~ 6.6	71.7 ~ 93.8
MWM20G 2R	4.6 ~ 5.0	66 ~ 72	4.9 ~ 5.4	70 ~ 77
MWM25G 2R	4.2 ~ 4.8	60 ~ 68	4.7 ~ 5.1	67 ~ 73
MWM030FR	4.0 ~ 4.8	56.9 ~ 68.3	4.5 ~ 5.0	64.0 ~ 71.1
M5WM07 G2	9.6 ~ 10.0	137.5 ~ 143.2	10.4 ~ 10.7	148.4 ~ 153.1
M5WM0 9G2/10 G2	9.4 ~ 9.9	134.9 ~ 141.8	10.2 ~ 10.6	145.4 ~ 152.1
M5WM15 G2	8.9 ~ 9.3	127.3 ~ 132.3	9.3 ~ 9.7	133.1 ~ 138.1
M5WM20 G2	8.5 ~ 8.8	121 ~ 125	9.3 ~ 9.6	133 ~ 137
M5WM25 G	8.0 ~ 8.3	114 ~ 118	9.0 ~ 9.2	128 ~ 132
M5WM031F	8.0 ~ 8.6	114 ~ 122	8.7 ~ 9.4	124 ~ 133m
M5W M07G 2R	9.6 ~ 9.9	136.6 ~ 141.0	10.8 ~ 11.1	154.1 ~ 159.1
M5WM09G 2R/10 G2R	9.4 ~ 9.9	134.4 ~ 141.9	9.9 ~ 10.5	141.4 ~ 149.7
M5WM15G 2R	9.0 ~ 9.4	128.0 ~ 134.2	9.4 ~ 9.9	134.6 ~ 142.0
M5WM20G 2R	8.3 ~ 8.8	119 ~ 125	8.8 ~ 9.2	125 ~ 132
M5WM25G 2R	7.7 ~ 8.3	110 ~ 118	8.4 ~ 9.0	120 ~ 129
M5WM030FR	8.0 ~ 8.6	114 ~ 122	8.7 ~ 9.4	124 ~ 133

Within the value refrigerant cycle normal.
Lower than value refrigerant cycle has some leaks check, amend and top up is necessary. Extremely low (@ zero) needs evacuation and charge.

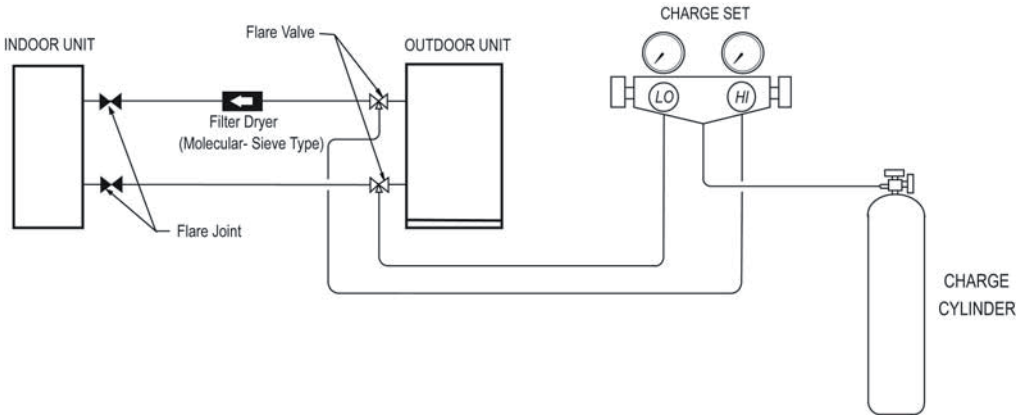
Additional Charge

- The refrigerant gas is charged in the outdoor unit and, if the piping length is 7.6m, additional charge of there frigerant after vacuuming is not necessary.
- When the piping length is more than 7.6m, please use the table below :

Additional charge in gram.

	10m	12m	15m	25m	35m
R22 MODELS					
MWM07G2 / 09G2 / 10G2 / 15G2	35	65	-	-	-
MWM20G2	35	65	110	-	-
MWM25G2	90	165	280	-	-
MWM030F	90	165	280	650	1030
MWM07G2R / 09G2R / 10G2R / 15G2R	50	90	-	-	-
MWM20G2R	60	110	185	-	-
MWM25G2R	120	220	370	-	-
MWM030FR	120	220	370	870	1370
R410A MODELS					
M5WM07G2 / 09G2 / 10G2 / 15G2	35	60	-	-	-
M5WM20G2	35	60	100	-	-
M5WM25G2	80	150	255	-	-
M5WM031F	80	150	255	600	950
M5WM07G2R / 09G2R / 10G2R / 15G2R	45	80	-	-	-
M5WM20G2R	55	100	165	-	-
M5WM25G2R	110	200	335	-	-
M5WM030FR	110	200	335	790	1250

Diagram shows typical charging method.



⚠ Caution For R410A

- Avoid prolong exposure of an opened compressor, or the internal part of refrigerant piping to moist air. The POE oil in the compressor and piping can absorb moisture from air.

Final Checking

- Ensure that steps 1 to 8 are closely followed.

- Ensure the following, in particular :
  1) The unit is mounted solidly and rigidly in position.
  2) Piping and connections are leak proof after charging.
  3) Proper wiring has been done.

- Trial run
  1) Conduct a trial run after water drainage test and gas leakage test.
  2) Watch out for the following :-
     a) Is the electric plug firmly inserted into the socket?
     b) Is there any abnormal sound from unit?
     c) Is there any abnormal vibrations with regard to unit itself or pipings?
     d) Is there smooth drainage of water?

- Check that :
  1) Condenser fan is running, with warm air blowing off the condensing unit.
  2) Evaporator blower is running and discharging cool air.
  3) Suction (Low side) pressure as per recommended.
  4) The remote controller incorporate a 3 minute delay in their circuit. Thus, it requires about 3 minutes uponcut off before the outdoor condensing unit can start up.

SPECIAL PRECAUTIONS WHEN DEALING WITH REFRIGERANT R410A UNIT

1) WHAT IS NEW REFRIGERANT R410A?
R410A is a new HFC refrigerant which does not damage the ozone layer. The working pressure of this new refrigerant is 1.6 times higher than conventional refrigerant (R22), thus proper installation / servicing is essential.

2) COMPONENTS
Mixture weight composition R32(50%) and R125(50%)

3) CHARACTERISTIC

- R410A liquid and vapor components have different compositions when the fluid evaporates or condenses. Hence, when leak occurs and only vapor leaks out, the composition of the refrigerant mixture left in the system will change and subsequently affect the system performance. DO NOT add new refrigerant to leaked system. It is recommended that the system should be evacuated thoroughly before recharging withR410A.
- When refrigerant R410A is used, the composition will differ depending on whether it is in gaseous or liquid phase. Hence when charging R410A, ensure that only liquid is being with drawn from the cylinder or can.This is to make certain that only original composition of R410A is being charged into the system.
- POE oil is used as lubricant for R410A compressor, which is different from the mineral oil used for R22 compressor. Extra precaution must be taken not to expose the R410A system too long to moist air.

4) CHECK LIST BEFORE INSTALLATION/SERVICING

- Tubing
  Refrigerant R410A is more easily affected by dust of moisture compared with R22, make sure to temporarily cover the ends of the tubing prior to installation
- Compressor oil
  No additional charge of compressor oil is permitted.
- Refrigerant
  No other refrigerant other that R410A
- Tools (size of service port is different from R22 system)
  Tools specifically for R410A only (must not be used for R22 or other refrigerant)
  i) Manifold gauge and charging hose
  ii) Gas leak detector
  iii) Refrigerant cylinder/charging cylinder
  iv) Vacuum pump c/w adapter
  v) Flare tools
  vi) Refrigerant recovery machine

5) HANDLING AND INSTALLATION GUIDELINES

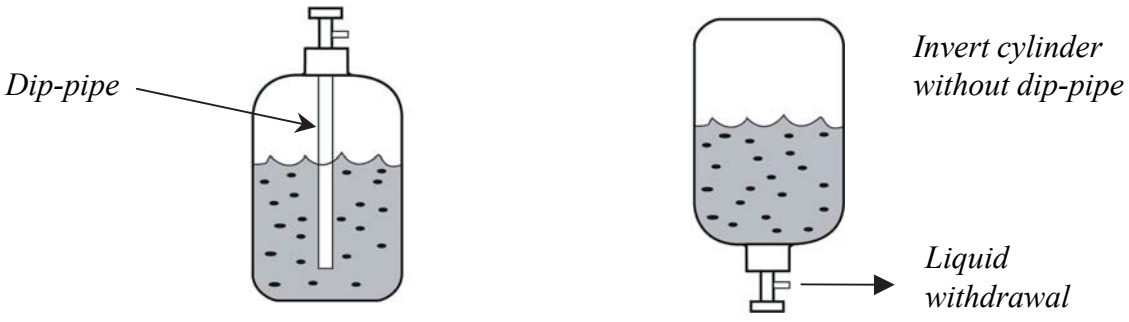
Like R22 system, the handling and installation of R410A system are closely similar. All precautionary measures;such as ensuring no moisture, no dirt or chips in the system, clean brazing using nitrogen, and thorough leakcheck and vacuuming are equally important requirements. However, due to its hydroscopic POE oil, additional precautions must be taken to ensure optimum and trouble free system operation.

a) During installation or servicing, avoid prolong exposure of the internal part of the refrigerant system tomoist air. Residual POE oil in the piping and components can absorb moisture from the air.

b) Ensure that the compressor is not expose to open air for more than the recommended time specified byits manufacturer (typically less than 10 minutes). Removed the seal plugs only when the compressor is about to be brazed.

c) The system should be thoroughly vacuumed to 1.0 Pa (700mmHg) or lower. This vacuuming level is more stringent than R22 system so as to ensure no incompressible gas and moisture in the system.

d) When charging R410A, ensure that only liquid is being with drawn from the cylinder or can. This is to ensure that only the original composition of R410A is being delivered into the system. The liquid composition can be different from the vapor composition.



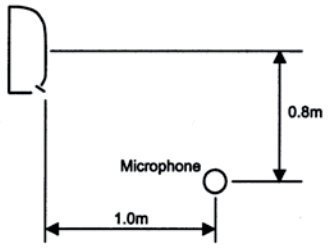
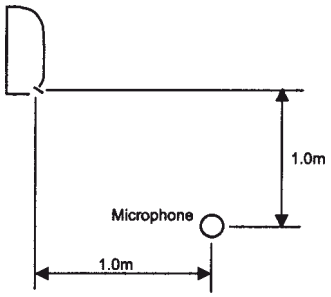
f) Normally, the R410A cylinder or can is being equipped with a dip pipe for liquid with drawal. However, if thedip pipe is not available, invert the cylinder or can so as to with draw liquid from the valve at the bottom.

Sound Data

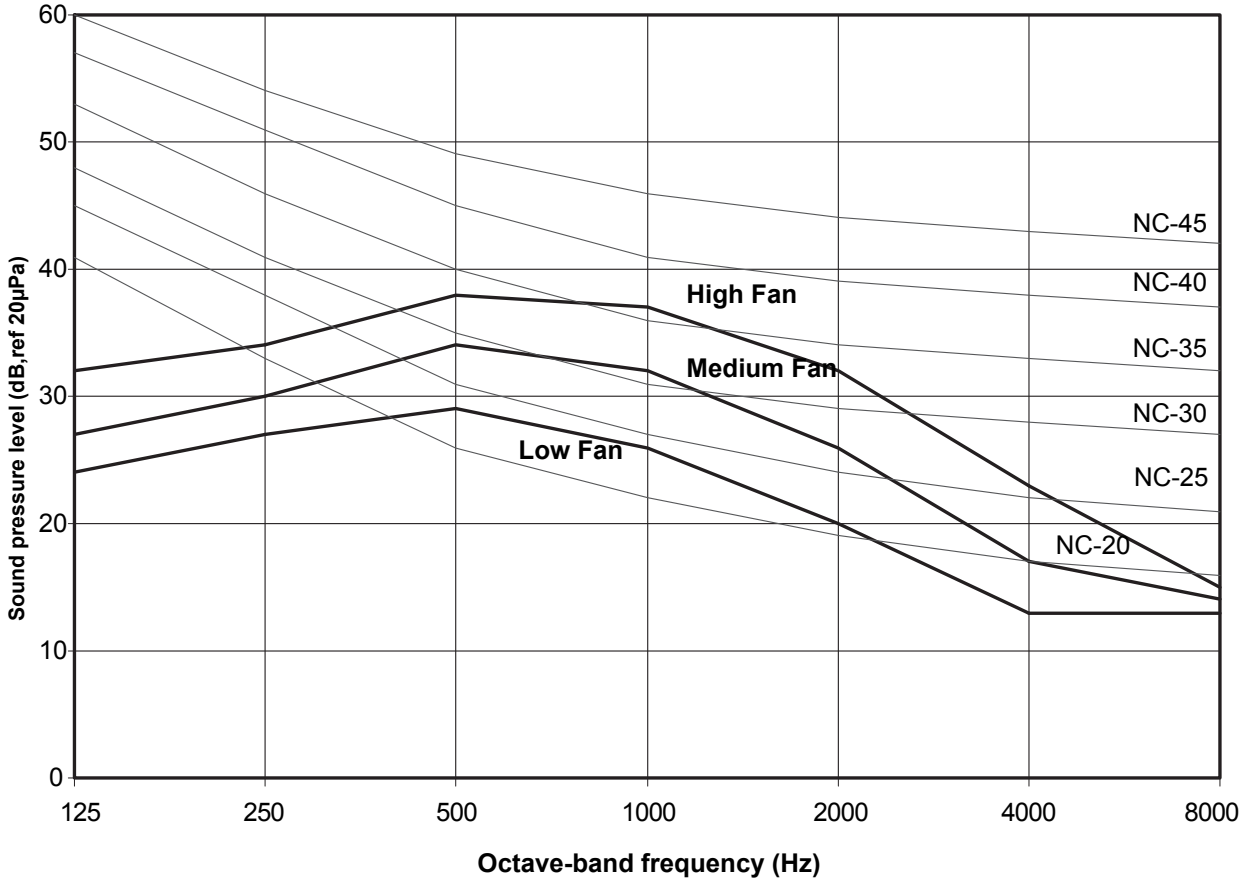
Sound Pressure Level

Model	Speed (RPM)	1/1 Octave Sound Pressure Level (dB, ref 20μPa)							Overall (dBA)	Noise Criteria
		125 Hz	250 Hz	500 Hz	1k Hz	2k Hz	4k Hz	8k Hz		
MWM07G2 MWM09G2/G2R M5WM07G2/G2R M5WM09G2/G2R	High	32	34	38	37	32	23	15	40	36
	Medium	27	30	34	32	26	17	14	35	31
	Low	24	27	29	26	20	13	13	29	24
MWM10G2/G2R M5WM10G2/G2R	High	28	34	37	36	31	22	13	39	35
	Medium	27	30	33	31	25	17	12	34	30
	Low	24	26	28	25	19	12	11	28	23
MWM15G2/G2R M5WM15G2/G2R	High	30	35	39	38	33	25	15	42	37
	Medium	28	31	34	33	26	18	13	36	32
	Low	24	26	28	26	20	13	12	29	24
MWM20G2/G2R M5WM20G2/G2R	High	37	44	42	37	34	25	15	43	37
	Medium	34	40	39	34	30	21	14	40	34
	Low	30	35	35	30	26	18	13	35	30
MWM25G2/G2R M5WM25G2/G2R	High	41	48	47	43	40	32	23	49	43
	Medium	39	44	43	39	35	28	20	44	38
	Low	37	41	40	36	32	25	19	42	35
MWM030F/030FR M5WM031F/030FR	High	42	46	45	44	41	35	28	49	43
	Medium	40	45	44	43	35	33	27	47	42
	Low	37	43	43	40	35	30	26	45	39

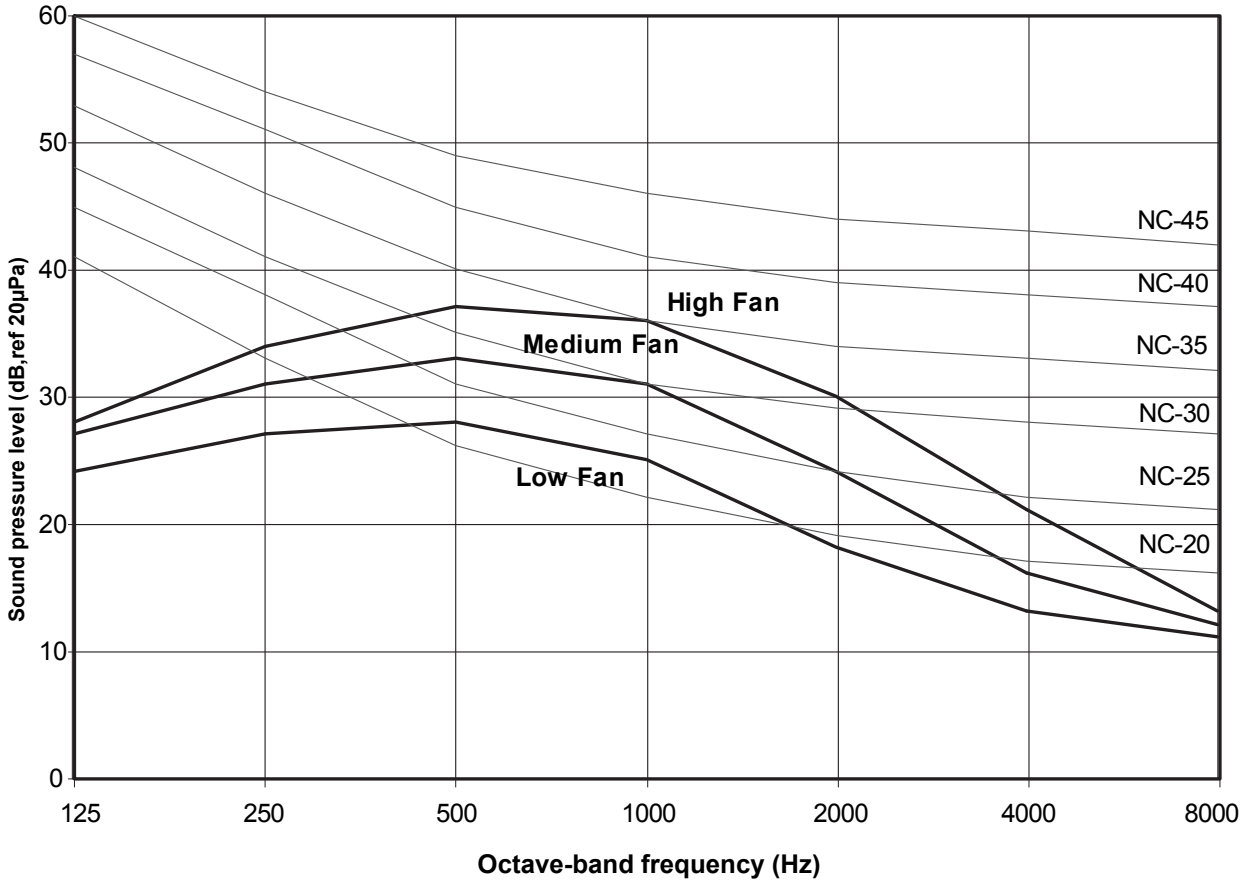
Microphone position - M5WM/MWM-G/GR : 1m in front and 0.8m below the vertical centre line of the unit. (JIS C 9612)
- M5WM/MWM030F/FR : 1m in front and 1m below the vertical centre line of the unit. (JIS B 8615)

Model	Measuring location
MWM07G2 MWM20G2/G2R **MWM09G2/G2R MWM25G2/G2R** **MWM10G2/G2R** **MWM15G2/G2R** **M5WM07G2/G2R M5WM20G2/G2R** **M5WM09G2/G2R M5WM25G2/G2R** **M5WM10G2/G2R** **M5WM15G2/G2R**	 Standard : JIS C 9612
M5WM030F/030FR **M5WM031F/030FR**	 Standard : JIS B 8615

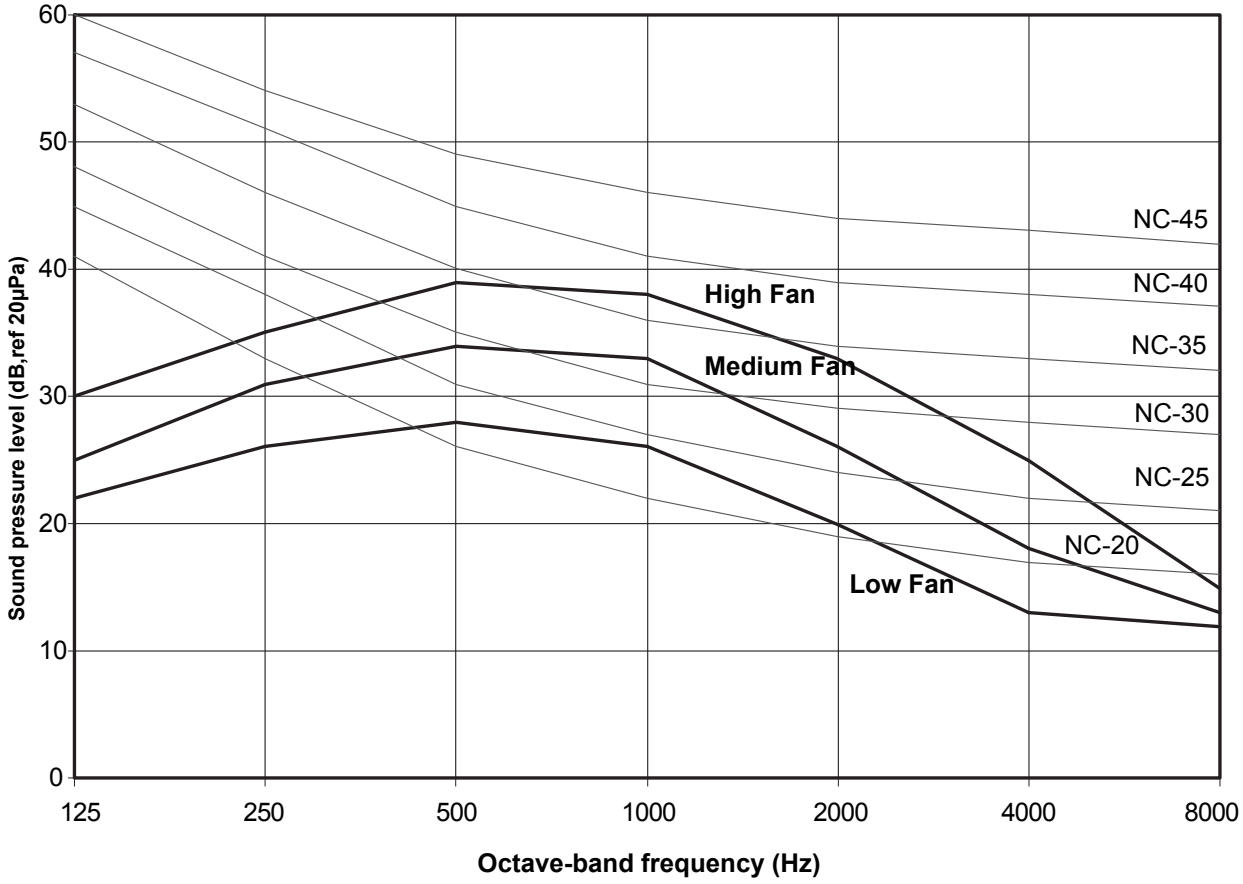
MWM07/09G2/G2R , M5WM07/09G2/G2R
NC CURVES



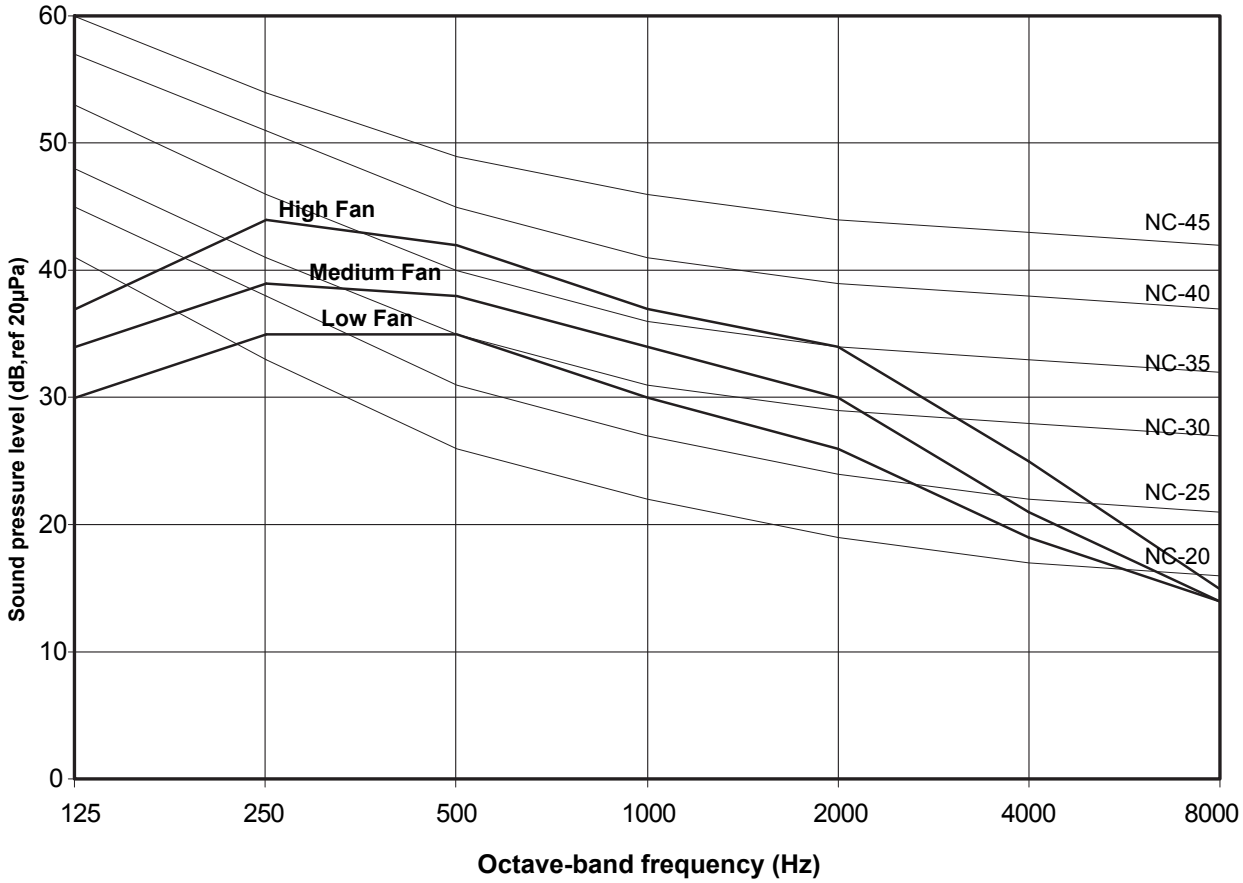
MWM10G2/G2R , M5WM10G2/G2R
NC CURVES



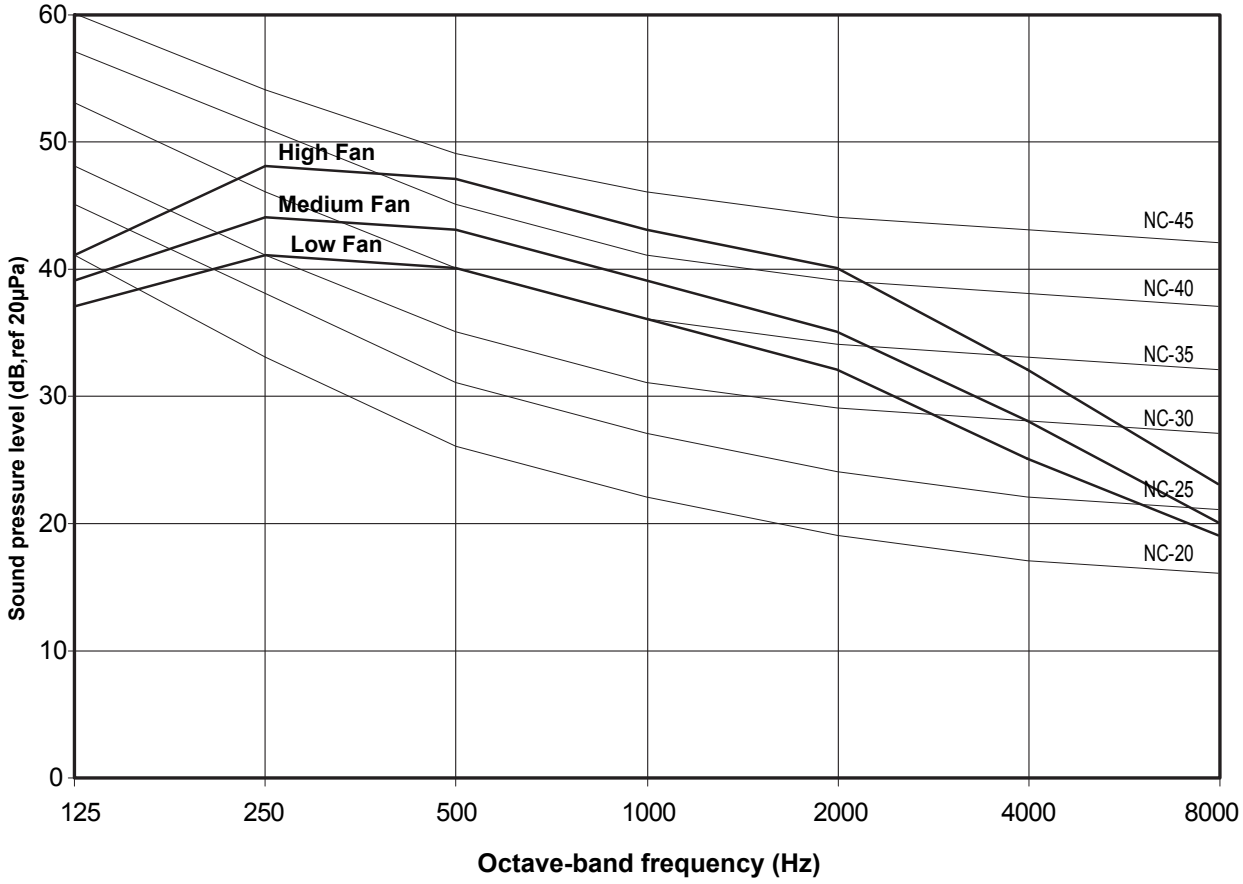
MWM15G2/G2R , M5WM15G2/G2R
NC CURVES



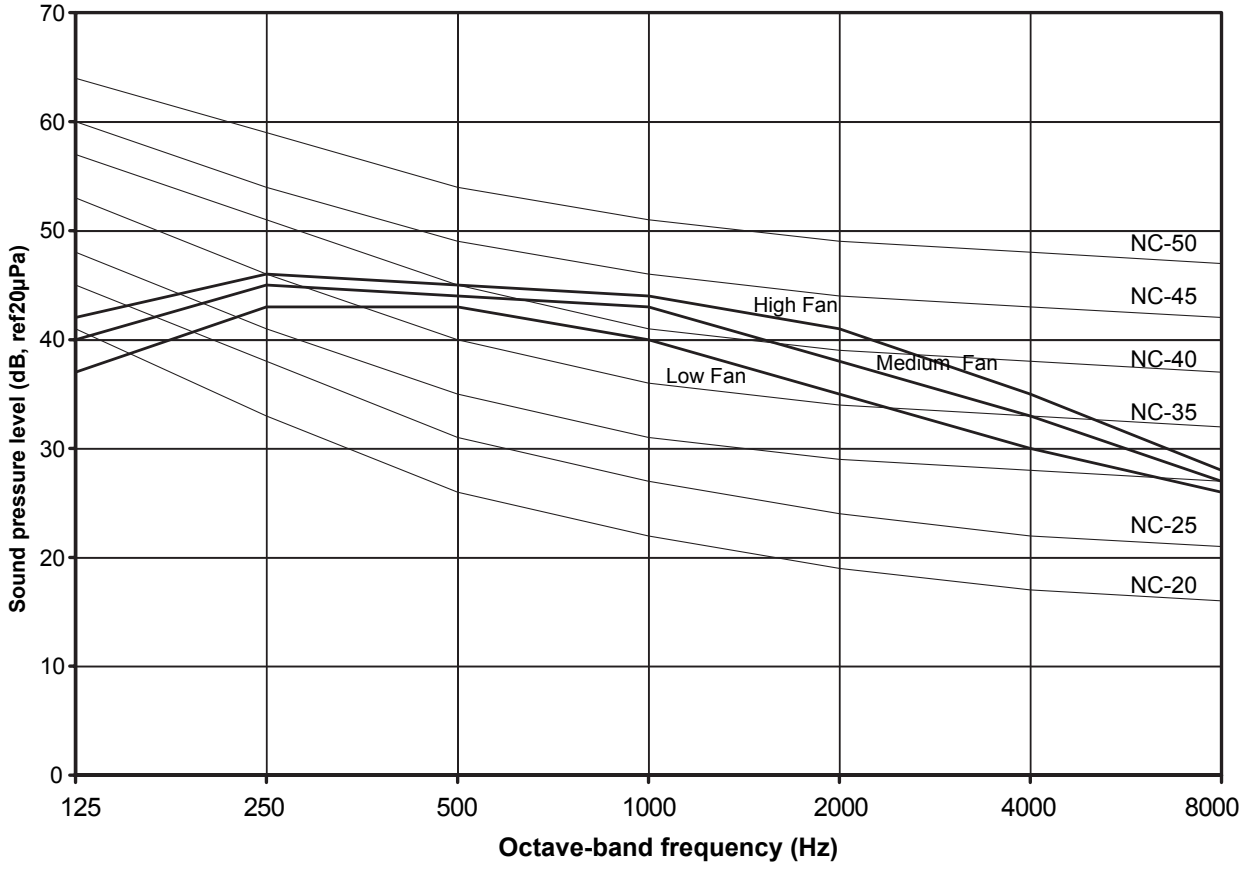
MWM20G2/G2R , M5WM20G2/G2R
NC CURVES



MWM25G2/G2R , M5WM25G2/G2R
NC CURVES



MWM030F/030FR , M5WM031F/030FR
NC CURVES



Engineering & Physical Data

General Data - Cooling Only (R22)

MODEL		**INDOOR UNIT**			**MWM07G2**	**MWM09G2**
		OUTDOOR UNIT			**MLC007C**	**MLC009C**
NOMINAL CAPACITY				**Btu/h**	7000	9000
				W	2050	2640
NOMINAL TOTAL INPUT POWER				**W**	590	919
NOMINAL RUNNING CURRENT				**A**	2.70	4.10
POWER SOURCE				**V/Ph/Hz**	220 - 240 / 1 / 50	220 - 240 / 1 / 50
EER				**W/W**	3.47	2.87
REFRIGERANT TYPE					R22	R22
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR CAP. TUBE	OUTDOOR CAP. TUBE
INDOOR UNIT	**CONTROL**	**AIR DISCHARGE**			DOUBLE LOUVER (UP & DOWN) & GRILLE (LEFT & RIGHT)	DOUBLE LOUVER (UP & DOWN) & GRILLE (LEFT & RIGHT)
		OPERATION			LCD REMOTE CONTROL	LCD REMOTE CONTROL
	AIR FLOW	**HIGH**		**l/s / CFM**	118 / 250	130 / 275
		MEDIUM		**l/s / CFM**	104 / 220	106 / 225
		LOW		**l/s / CFM**	85 / 180	83 / 175
	SOUND PRESSURE LEVEL (H/M/L)			**dBA**	38 / 33 / 28	40 / 35 / 29
	UNIT DIMENSION	**HEIGHT**		**mm/in**	260 / 10.2	260 / 10.2
		WIDTH		**mm/in**	799 / 31.5	799 / 31.5
		DEPTH		**mm/in**	198 / 7.8	198 / 7.8
	PACKING DIMENSION	**HEIGHT**		**mm/in**	337 / 13.3	337 / 13.3
		WIDTH		**mm/in**	857 / 33.7	857 / 33.7
		DEPTH		**mm/in**	270 / 10.6	270 / 10.6
	UNIT WEIGHT			**kg/lb**	8.5 / 18.7	10 / 22.1
	CONDENSATE DRAIN SIZE			**mm/in**	16 / 0.6	16 / 0.6
OUTDOOR UNIT	**AIR FLOW**			**l/s / CFM**	321 / 680	307 / 650
	SOUND PRESSURE LEVEL			**dBA**	45	46
	UNIT DIMENSION	**HEIGHT**		**mm/in**	495 / 19.5	495 / 19.5
		WIDTH		**mm/in**	600 / 23.6	600 / 23.6
		DEPTH		**mm/in**	245 / 9.7	245 / 9.7
	PACKING DIMENSION	**HEIGHT**		**mm/in**	575 / 22.6	575 / 22.6
		WIDTH		**mm/in**	715 / 28.1	715 / 28.1
		DEPTH		**mm/in**	330 / 13.0	330 / 13.0
	UNIT WEIGHT			**kg/lb**	28 / 61.7	28 / 61.7
	PIPE CONNECTION	**TYPE**			FLARE VALVE	FLARE VALVE
		SIZE	**LIQUID**	**mm/in**	6.35 / 1/4	6.35 / 1/4
			GAS	**mm/in**	9.52 / 3/8	9.52 / 3/8
REFRIGERANT CHARGE				**kg/lb**	0.50 / 1.10	0.53/ 1.16

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2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.
3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :
COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

General Data - Cooling Only (R22)

MODEL		INDOOR UNIT			MWM10G2	MWM15G2
		OUTDOOR UNIT			MLC010C	MLC015C
NOMINAL CAPACITY				Btu/h	9500	12000
				W	2780	3520
NOMINAL TOTAL INPUT POWER				W	860	1200
NOMINAL RUNNING CURRENT				A	3.80	5.40
POWER SOURCE				V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
EER				W/W	3.23	2.93
REFRIGERANT TYPE					R22	R22
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR CAP. TUBE	OUTDOOR CAP. TUBE
INDOOR UNIT	CONTROL	AIR DISCHARGE			DOUBLE LOUVER (UP & DOWN) & GRILLE (LEFT & RIGHT)	DOUBLE LOUVER (UP & DOWN) & GRILLE (LEFT & RIGHT)
		OPERATION			LCD REMOTE CONTROL	LCD REMOTE CONTROL
	AIR FLOW	HIGH		l/s / CFM	142 / 300	163 / 345
		MEDIUM		l/s / CFM	118 / 250	135 / 285
		LOW		l/s / CFM	94 / 200	104 / 220
	SOUND PRESSURE LEVEL (H/M/L)			dBA	39 / 34 / 28	42 / 36 / 29
	UNIT DIMENSION	HEIGHT		mm/in	260 / 10.2	260 / 10.2
		WIDTH		mm/in	799 / 31.5	799 / 31.5
		DEPTH		mm/in	198 / 7.8	198 / 7.8
	PACKING DIMENSION	HEIGHT		mm/in	337 / 13.3	337 / 13.3
		WIDTH		mm/in	957 / 37.7	957 / 37.7
		DEPTH		mm/in	270 / 10.6	270 / 10.6
	UNIT WEIGHT			kg/lb	12 / 26.5	12 / 26.5
	CONDENSATE DRAIN SIZE			mm/in	16 / 0.6	16 / 0.6
OUTDOOR UNIT	AIR FLOW			l/s / CFM	396 / 840	453 / 960
	SOUND PRESSURE LEVEL			dBA	46	49
	UNIT DIMENSION	HEIGHT		mm/in	540 / 21.3	540 / 21.3
		WIDTH		mm/in	700 / 27.6	700 / 27.6
		DEPTH		mm/in	250 / 9.8	250 / 9.8
	PACKING DIMENSION	HEIGHT		mm/in	620 / 24.4	620 / 24.4
		WIDTH		mm/in	810 / 31.9	810 / 31.9
		DEPTH		mm/in	330 / 13.0	330 / 13.0
	UNIT WEIGHT			kg/lb	32 / 70.5	32 / 70.5
	PIPE CONNECTION	TYPE			FLARE VALVE	FLARE VALVE
		SIZE	LIQUID	mm/in	6.35 / 1/4	6.35 / 1/4
			GAS	mm/in	9.52 / 3/8	12.70 / 1/2
REFRIGERANT CHARGE				kg/lb	0.63 / 1.39	0.60 / 1.33

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COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

General Data - Cooling Only (R22)

MODEL		INDOOR UNIT			MWM20G2	MWM20G2
		OUTDOOR UNIT			MLC018C	MLC020C
NOMINAL CAPACITY				Btu/h	18000	19000
				W	5280	5570
NOMINAL TOTAL INPUT POWER				W	1820	1807
NOMINAL RUNNING CURRENT				A	8.10	8.00
POWER SOURCE				V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
EER				W/W	2.90	3.08
REFRIGERANT TYPE					R22	R22
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR CAP. TUBE	OUTDOOR CAP. TUBE
INDOOR UNIT	CONTROL	AIR DISCHARGE			DOUBLE LOUVER (UP & DOWN) & GRILLE (LEFT & RIGHT)	DOUBLE LOUVER (UP & DOWN) & GRILLE (LEFT & RIGHT)
		OPERATION			LCD REMOTE CONTROL	LCD REMOTE CONTROL
	AIR FLOW	HIGH		l/s / CFM	231 / 490	231 / 490
		MEDIUM		l/s / CFM	193 / 410	193 / 410
		LOW		l/s / CFM	160 / 340	160 / 340
	SOUND PRESSURE LEVEL (H/M/L)			dBA	43 / 40 / 35	43 / 40 / 35
	UNIT DIMENSION	HEIGHT		mm/in	304 / 12.0	304 / 12.0
		WIDTH		mm/in	1062 / 41.8	1062 / 41.8
		DEPTH		mm/in	222 / 8.7	222 / 8.7
	PACKING DIMENSION	HEIGHT		mm/in	378 / 14.9	378 / 14.9
		WIDTH		mm/in	1130 / 44.5	1130 / 44.5
		DEPTH		mm/in	292 / 11.5	292 / 11.5
	UNIT WEIGHT			kg/lb	16 / 35.3	16 / 35.3
	CONDENSATE DRAIN SIZE			mm/in	20 / 0.8	20 / 0.8
OUTDOOR UNIT	AIR FLOW			l/s / CFM	614 / 1300	614 / 1300
	SOUND PRESSURE LEVEL			dBA	51	51
	UNIT DIMENSION	HEIGHT		mm/in	654 / 25.7	654 / 25.7
		WIDTH		mm/in	855 / 33.7	855 / 33.7
		DEPTH		mm/in	328 / 12.9	328 / 12.9
	PACKING DIMENSION	HEIGHT		mm/in	710 / 28.0	710 / 28.0
		WIDTH		mm/in	990 / 39.0	990 / 39.0
		DEPTH		mm/in	415 / 16.3	415 / 16.3
	UNIT WEIGHT			kg/lb	58 / 127.9	59 / 130.1
	PIPE CONNECTION	TYPE			FLARE VALVE	FLARE VALVE
		SIZE	LIQUID	mm/in	6.35 / 1/4	6.35 / 1/4
			GAS	mm/in	15.88 / 5/8	15.88 / 5/8
REFRIGERANT CHARGE				kg/lb	0.80 / 1.76	1.35 / 2.98

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COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

General Data - Cooling Only (R22)

MODEL		INDOOR UNIT			MWM25G2	MWM030F
		OUTDOOR UNIT			MLC025C	MLC028C
NOMINAL CAPACITY				Btu/h	23500	27000
				W	6890	7913
NOMINAL TOTAL INPUT POWER				W	2530	2708
NOMINAL RUNNING CURRENT				A	11.30	13.10
POWER SOURCE				V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
EER				W/W	2.72	3.00
REFRIGERANT TYPE					R22	R22
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR CAP. TUBE	EXTERNAL ORIFICE
INDOOR UNIT	CONTROL	AIR DISCHARGE			DOUBLE LOUVER (UP & DOWN) & GRILLE (LEFT & RIGHT)	AUTO LOUVER (UP & DOWN) & GRILLE (LEFT & RIGHT)
		OPERATION			LCD REMOTE CONTROL	LCD REMOTE CONTROL
	AIR FLOW	HIGH		l/s / CFM	297 / 630	316 / 670
		MEDIUM		l/s / CFM	231 / 490	297 / 630
		LOW		l/s / CFM	208 / 440	236 / 500
	SOUND PRESSURE LEVEL (H/M/L)			dBA	49 / 44 / 42	49 / 47 / 45
	UNIT DIMENSION	HEIGHT		mm/in	304 / 12.0	360 / 14.2
		WIDTH		mm/in	1062 / 41.8	1200 / 47.2
		DEPTH		mm/in	222 / 8.7	200 / 7.9
	PACKING DIMENSION	HEIGHT		mm/in	378 / 14.9	420 / 16.5
		WIDTH		mm/in	1130 / 44.5	1267 / 49.9
		DEPTH		mm/in	292 / 11.5	260 / 10.2
	UNIT WEIGHT			kg/lb	16 / 35.3	17 / 37.48
	CONDENSATE DRAIN SIZE			mm/in	20 / 0.8	20 / 0.8
OUTDOOR UNIT	AIR FLOW			l/s / CFM	755 / 1600	741 / 1570
	SOUND PRESSURE LEVEL			dBA	52	54
	UNIT DIMENSION	HEIGHT		mm/in	756 / 29.8	756 / 29.8
		WIDTH		mm/in	855 / 33.7	855 / 33.7
		DEPTH		mm/in	328 / 12.9	328 / 12.9
	PACKING DIMENSION	HEIGHT		mm/in	810 / 31.9	810 / 31.9
		WIDTH		mm/in	990 / 39.0	990 / 39.0
		DEPTH		mm/in	415 / 16.3	415 / 16.3
	UNIT WEIGHT			kg/lb	62 / 136.7	65 / 143.3
	PIPE CONNECTION	TYPE			FLARE VALVE	FLARE VALVE
		SIZE	LIQUID	mm/in	9.52 / 3/8	9.52 / 3/8
			GAS	mm/in	15.88 / 5/8	15.88 / 5/8
REFRIGERANT CHARGE				kg/lb	1.5 / 3.30	1.75 / 3.86

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COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

General Data - Cooling Only (R22)

MODEL		INDOOR UNIT		MWM030F	
		OUTDOOR UNIT		MLC030C	
NOMINAL CAPACITY			Btu/h	30000	
			W	8790	
NOMINAL TOTAL INPUT POWER			W	2944	
NOMINAL RUNNING CURRENT			A	12.60	
POWER SOURCE			V/Ph/Hz	220 - 240 / 1 / 50	
EER			W/W	2.99	
REFRIGERANT TYPE				R22	
REFRIGERANT CONTROL (EXPANSION DEVICE)				EXTERNAL ORIFICE KIT	
INDOOR UNIT	CONTROL	AIR DISCHARGE		AUTO LOUVER (UP & DOWN) & GRILLE (LEFT & RIGHT)	
		OPERATION		LCD REMOTE CONTROL	
	AIR FLOW	HIGH	l/s / CFM	316 / 670	
		MEDIUM	l/s / CFM	297 / 630	
		LOW	l/s / CFM	236 / 500	
	SOUND PRESSURE LEVEL (H/M/L)		dBA	49 / 47 / 45	
	UNIT DIMENSION	HEIGHT	mm/in	360 / 14.2	
		WIDTH	mm/in	1200 / 47.2	
		DEPTH	mm/in	200 / 7.9	
	PACKING DIMENSION	HEIGHT	mm/in	420 / 16.5	
		WIDTH	mm/in	1267 / 49.9	
		DEPTH	mm/in	260 / 10.2	
	UNIT WEIGHT		kg/lb	17 / 37.48	
	CONDENSATE DRAIN SIZE		mm/in	20 / 0.8	
OUTDOOR UNIT	AIR FLOW		l/s / CFM	1605 / 3400	
	SOUND PRESSURE LEVEL		dBA	58	
	UNIT DIMENSION	HEIGHT	mm/in	850 / 33.5	
		WIDTH	mm/in	1030 / 40.6	
		DEPTH	mm/in	400 / 15.6	
	PACKING DIMENSION	HEIGHT	mm/in	1000 / 39.4	
		WIDTH	mm/in	1200 / 47.2	
		DEPTH	mm/in	560 / 22.1	
	UNIT WEIGHT		kg/lb	95 / 209.4	
	PIPE CONNECTION	TYPE		FLARE VALVE	
		SIZE	LIQUID mm/in	9.52 / 3/8	
			GAS mm/in	15.88 / 5/8	
REFRIGERANT CHARGE			kg/lb	1.60 / 3.53	

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3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :
COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

General Data - Heat pump (R22)

MODEL		INDOOR UNIT			MWM09G2R	MWM10G2R
		OUTDOOR UNIT			MLC009CR	MLC010CR
NOMINAL COOLING CAPACITY				Btu/h	8800	9500
				W	2580	2780
NOMINAL HEATING CAPACITY				Btu/h	8600	9500
				W	2520	2780
NOMINAL TOTAL INPUT POWER (COOLING)				W	910	860
NOMINAL TOTAL INPUT POWER (HEATING)				W	750	750
NOMINAL RUNNING CURRENT (COOLING)				A	4.00	3.80
NOMINAL RUNNING CURRENT (HEATING)				A	3.40	3.40
POWER SOURCE				V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
EER				W/W	2.84	3.23
COP				W/W	3.36	3.71
REFRIGERANT TYPE					R22	R22
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR CAP. TUBE	OUTDOOR CAP. TUBE
INDOOR UNIT	CONTROL	AIR DISCHARGE			DOUBLE LOUVER (UP & DOWN) & GRILLE (LEFT & RIGHT)	DOUBLE LOUVER (UP & DOWN) & GRILLE (LEFT & RIGHT)
		OPERATION			LCD REMOTE CONTROL	LCD REMOTE CONTROL
	AIR FLOW	HIGH		l/s / CFM	130 / 275	142 / 300
		MEDIUM		l/s / CFM	106 / 225	118 / 250
		LOW		l/s / CFM	83 / 175	94 / 200
	SOUND PRESSURE LEVEL (H/M/L)			dBA	40 / 35 / 29	39 / 34 / 28
	UNIT DIMENSION	HEIGHT		mm/in	260 / 10.2	260 / 10.2
		WIDTH		mm/in	799 / 31.5	899 / 35.4
		DEPTH		mm/in	198 / 7.8	198 / 7.8
	PACKING DIMENSION	HEIGHT		mm/in	337 / 13.3	337 / 13.3
		WIDTH		mm/in	857 / 33.7	957 / 37.7
		DEPTH		mm/in	270 / 10.6	270 / 10.6
	UNIT WEIGHT			kg/lb	10 / 22.5	12 / 26.5
	CONDENSATE DRAIN SIZE			mm/in	16 / 0.6	16 / 0.6
OUTDOOR UNIT	AIR FLOW			l/s / CFM	307 / 650	396 / 840
	SOUND PRESSURE LEVEL			dBA	46	46
	UNIT DIMENSION	HEIGHT		mm/in	495 / 19.5	540 / 21.3
		WIDTH		mm/in	600 / 23.6	700 / 27.6
		DEPTH		mm/in	245 / 9.7	250 / 9.8
	PACKING DIMENSION	HEIGHT		mm/in	575 / 22.6	620 / 24.4
		WIDTH		mm/in	715 / 28.1	810 / 31.9
		DEPTH		mm/in	330 / 13.0	330 / 13.0
	UNIT WEIGHT			kg/lb	28 / 61.7	32 / 70.5
	PIPE CONNECTION	TYPE			FLARE VALVE	FLARE VALVE
		SIZE	LIQUID	mm/in	6.35 / 1/4	6.35 / 1/4
			GAS	mm/in	9.52 / 3/8	9.52 / 3/8
REFRIGERANT CHARGE				kg/lb	0.60 / 1.32	0.63 / 1.39

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3) 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
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

General Data - Heat pump (R22)

MODEL		INDOOR UNIT			MWM15G2R	MWM20G2R
		OUTDOOR UNIT			MLC015CR	MLC018CR
NOMINAL COOLING CAPACITY				Btu/h	12000	18000
				W	3520	5280
NOMINAL HEATING CAPACITY				Btu/h	12000	18400
				W	3520	5390
NOMINAL TOTAL INPUT POWER (COOLING)				W	1100	1820
NOMINAL TOTAL INPUT POWER (HEATING)				W	980	1660
NOMINAL RUNNING CURRENT (COOLING)				A	5.00	8.10
NOMINAL RUNNING CURRENT (HEATING)				A	4.50	7.40
POWER SOURCE				V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
EER				W/W	3.20	2.90
COP				W/W	3.59	3.25
REFRIGERANT TYPE					R22	R22
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR CAP. TUBE	OUTDOOR CAP. TUBE
INDOOR UNIT	CONTROL	AIR DISCHARGE			DOUBLE LOUVER (UP & DOWN) & GRILLE (LEFT & RIGHT)	DOUBLE LOUVER (UP & DOWN) & GRILLE (LEFT & RIGHT)
		OPERATION			LCD REMOTE CONTROL	LCD REMOTE CONTROL
	AIR FLOW	HIGH		l/s / CFM	163 / 345	231 / 490
		MEDIUM		l/s / CFM	135 / 285	193 / 410
		LOW		l/s / CFM	104 / 220	160 / 340
	SOUND PRESSURE LEVEL (H/M/L)			dBA	42 / 36 / 29	43 / 40 / 35
	UNIT DIMENSION	HEIGHT		mm/in	260 / 10.2	304 / 12.0
		WIDTH		mm/in	799 / 31.5	1062 / 41.8
		DEPTH		mm/in	198 / 7.8	222 / 8.7
	PACKING DIMENSION	HEIGHT		mm/in	337 / 13.3	378 / 14.9
		WIDTH		mm/in	957 / 37.7	1130 / 44.5
		DEPTH		mm/in	270 / 10.6	292 / 11.5
	UNIT WEIGHT			kg/lb	12 / 26.5	16 / 35.3
	CONDENSATE DRAIN SIZE			mm/in	16 / 0.6	20 / 0.8
OUTDOOR UNIT	AIR FLOW			l/s / CFM	453 / 960	614 / 1300
	SOUND PRESSURE LEVEL			dBA	49	51
	UNIT DIMENSION	HEIGHT		mm/in	540 / 21.3	654 / 25.7
		WIDTH		mm/in	700 / 27.6	855 / 33.7
		DEPTH		mm/in	250 / 9.8	328 / 12.9
	PACKING DIMENSION	HEIGHT		mm/in	620 / 24.4	710 / 28.0
		WIDTH		mm/in	810 / 31.9	990 / 39.0
		DEPTH		mm/in	330 / 13.0	415 / 16.3
	UNIT WEIGHT			kg/lb	32 / 70.5	58 / 127.9
	PIPE CONNECTION	TYPE			FLARE VALVE	FLARE VALVE
		SIZE	LIQUID	mm/in	6.35 / 1/4	6.35 / 1/4
			GAS	mm/in	12.7 / 1/2	15.88 / 5/8
REFRIGERANT CHARGE				kg/lb	0.80 / 1.76	0.85 / 1.88

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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
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

General Data - Heat pump (R22)

MODEL		INDOOR UNIT			MWM20G2R	MWM25G2R
		OUTDOOR UNIT			MLC020CR	MLC025CR
NOMINAL COOLING CAPACITY				Btu/h	19000	23500
				W	5570	6890
NOMINAL HEATING CAPACITY				Btu/h	19500	24000
				W	5720	7030
NOMINAL TOTAL INPUT POWER (COOLING)				W	1807	2530
NOMINAL TOTAL INPUT POWER (HEATING)				W	1757	2450
NOMINAL RUNNING CURRENT (COOLING)				A	8.00	11.30
NOMINAL RUNNING CURRENT (HEATING)				A	7.80	11.10
POWER SOURCE				V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
EER				W/W	3.08	2.72
COP				W/W	3.26	2.87
REFRIGERANT TYPE					R22	R22
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR CAP. TUBE	OUTDOOR CAP. TUBE
INDOOR UNIT	CONTROL	AIR DISCHARGE			DOUBLE LOUVER (UP & DOWN) & GRILLE (LEFT & RIGHT)	DOUBLE LOUVER (UP & DOWN) & GRILLE (LEFT & RIGHT)
		OPERATION			LCD REMOTE CONTROL	LCD REMOTE CONTROL
	AIR FLOW	HIGH		l/s / CFM	231 / 490	297 / 630
		MEDIUM		l/s / CFM	193 / 410	231 / 490
		LOW		l/s / CFM	160 / 340	208 / 440
	SOUND PRESSURE LEVEL (H/M/L)			dBA	43 / 40 / 35	49 / 44 / 42
	UNIT DIMENSION	HEIGHT		mm/in	304 / 12.0	304 / 12.0
		WIDTH		mm/in	1062 / 41.8	1062 / 41.8
		DEPTH		mm/in	222 / 8.7	222 / 8.7
	PACKING DIMENSION	HEIGHT		mm/in	378 / 14.9	378 / 14.9
		WIDTH		mm/in	1130 / 44.5	1130 / 44.5
		DEPTH		mm/in	292 / 11.5	292 / 11.5
	UNIT WEIGHT			kg/lb	16 / 35.3	16 / 35.3
	CONDENSATE DRAIN SIZE			mm/in	20 / 0.8	20 / 0.8
OUTDOOR UNIT	AIR FLOW			l/s / CFM	614 / 1300	755 / 1600
	SOUND PRESSURE LEVEL			dBA	51	52
	UNIT DIMENSION	HEIGHT		mm/in	654 / 25.7	756 / 29.8
		WIDTH		mm/in	855 / 33.7	855 / 33.7
		DEPTH		mm/in	328 / 12.9	328 / 12.9
	PACKING DIMENSION	HEIGHT		mm/in	710 / 28.0	810 / 31.9
		WIDTH		mm/in	990 / 39.0	990 / 39.0
		DEPTH		mm/in	415 / 16.3	415 / 16.3
	UNIT WEIGHT			kg/lb	59 / 130.1	62 / 136.7
	PIPE CONNECTION	TYPE			FLARE VALVE	FLARE VALVE
		SIZE	LIQUID	mm/in	6.35 / 1/4	9.52 / 3/8
			GAS	mm/in	15.88 / 5/8	15.88 / 5/8
REFRIGERANT CHARGE				kg/lb	1.35 / 2.99	1.50 / 3.30

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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
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

General Data - Heat pump (R22)

MODEL		INDOOR UNIT			MWM030FR	MWM 030FR
		OUTDOOR UNIT			MLC028CR	MLC 030CR
NOMINAL COOLING CAPACITY				Btu/h	27000	30000
				W	7913	8790
NOMINAL HEATING CAPACITY				Btu/h	27000	30000
				W	7913	8790
NOMINAL TOTAL INPUT POWER (COOLING)				W	2708	2944
NOMINAL TOTAL INPUT POWER (HEATING)				W	2273	2864
NOMINAL RUNNING CURRENT (COOLING)				A	13.20	14.30
NOMINAL RUNNING CURRENT (HEATING)				A	13.30	13.70
POWER SOURCE				V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
EER				W/W	2.92	2.99
COP				W/W	3.48	3.07
REFRIGERANT TYPE					R22	R22
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR CAP. TUBE	OUTDOOR CAP. TUBE
INDOOR UNIT	CONTROL	AIR DISCHARGE			DOUBLE LOUVER (UP & DOWN) & GRILLE (LEFT & RIGHT)	DOUBLE LOUVER (UP & DOWN) & GRILLE (LEFT & RIGHT)
		OPERATION			LCD REMOTE CONTROL	LCD REMOTE CONTROL
	AIR FLOW	HIGH		l/s / CFM	316 / 670	316 / 670
		MEDIUM		l/s / CFM	297 / 630	297 / 630
		LOW		l/s / CFM	236 / 500	236 / 500
	SOUND PRESSURE LEVEL (H/M/L)			dBA	49 / 47 / 45	49 / 47 / 45
	UNIT DIMENSION	HEIGHT		mm/in	360 / 14.2	360 / 14.2
		WIDTH		mm/in	1200 / 47.2	1200 / 47.2
		DEPTH		mm/in	200 / 7.9	200 / 7.9
	PACKING DIMENSION	HEIGHT		mm/in	420 / 16.5	420 / 16.5
		WIDTH		mm/in	1267 / 49.9	1267 / 49.9
		DEPTH		mm/in	260 / 10.2	260 / 10.2
	UNIT WEIGHT			kg/lb	17 / 37.48	17 / 37.48
	CONDENSATE DRAIN SIZE			mm/in	20 / 0.8	20 / 0.8
OUTDOOR UNIT	AIR FLOW			l/s / CFM	741 / 1570	1605 / 3400
	SOUND PRESSURE LEVEL			dBA	54	58
	UNIT DIMENSION	HEIGHT		mm/in	756 / 29.8	850 / 33.5
		WIDTH		mm/in	855 / 33.7	1030 / 40.6
		DEPTH		mm/in	328 / 12.9	400 / 15.8
	PACKING DIMENSION	HEIGHT		mm/in	810 / 31.9	1000 / 39.4
		WIDTH		mm/in	990 / 39.0	1200 / 47.2
		DEPTH		mm/in	415 / 16.3	560 / 22.1
	UNIT WEIGHT			kg/lb	68 / 150	95 / 209
	PIPE CONNECTION	TYPE			FLARE VALVE	FLARE VALVE
		SIZE	LIQUID	mm/in	9.52 / 3/8	9.52 / 3/8
			GAS	mm/in	15.88 / 5/8	15.88 / 5/8
REFRIGERANT CHARGE				kg/lb	1.83 / 4.03	2.15 / 4.74

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3) 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
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

General Data - Cooling Only (R22)

MODEL		INDOOR UNIT			M5WM07G2	M5WM09G2
		OUTDOOR UNIT			M5LC007C	M5LC010C
NOMINAL CAPACITY				Btu/h	7500	9000
				W	2200	2640
NOMINAL TOTAL INPUT POWER				W	620	860
NOMINAL RUNNING CURRENT				A	2.90	3.90
POWER SOURCE				V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
EER				W/W	3.55	3.07
REFRIGERANT TYPE					R410A	R410A
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR CAP. TUBE	OUTDOOR CAP. TUBE
INDOOR UNIT	CONTROL	AIR DISCHARGE			DOUBLE LOUVER (UP & DOWN) & GRILLE (LEFT & RIGHT)	DOUBLE LOUVER (UP & DOWN) & GRILLE (LEFT & RIGHT)
		OPERATION			LCD REMOTE CONTROL	LCD REMOTE CONTROL
	AIR FLOW	HIGH		l/s / CFM	130 / 275	130 / 275
		MEDIUM		l/s / CFM	106 / 225	106 / 225
		LOW		l/s / CFM	83 / 175	83 / 175
	SOUND PRESSURE LEVEL (H/M/L)			dBA	40 / 35 / 29	40 / 35 / 29
	UNIT DIMENSION	HEIGHT		mm/in	260 / 10.2	260 / 10.2
		WIDTH		mm/in	799 / 31.5	799 / 31.5
		DEPTH		mm/in	198 / 7.8	198 / 7.8
	PACKING DIMENSION	HEIGHT		mm/in	337 / 13.3	337 / 13.3
		WIDTH		mm/in	857 / 33.7	857 / 33.7
		DEPTH		mm/in	270 / 10.6	270 / 10.6
	UNIT WEIGHT			kg/lb	10 / 22.0	10 / 22.0
	CONDENSATE DRAIN SIZE			mm/in	16 / 0.6	16 / 0.6
OUTDOOR UNIT	AIR FLOW			l/s / CFM	307 / 650	396 / 840
	SOUND PRESSURE LEVEL			dBA	44	46
	UNIT DIMENSION	HEIGHT		mm/in	495 / 19.5	540 / 21.3
		WIDTH		mm/in	600 / 23.6	700 / 27.6
		DEPTH		mm/in	245 / 9.7	250 / 9.8
	PACKING DIMENSION	HEIGHT		mm/in	575 / 22.6	620 / 24.4
		WIDTH		mm/in	715 / 28.1	810 / 31.9
		DEPTH		mm/in	330 / 13.0	330 / 13.0
	UNIT WEIGHT			kg/lb	26 / 57.3	32 / 70.5
	PIPE CONNECTION	TYPE			FLARE VALVE	FLARE VALVE
		SIZE	LIQUID	mm/in	6.35 / 1/4	6.35 / 1/4
			GAS	mm/in	9.52 / 3/8	9.52 / 3/8
REFRIGERANT CHARGE				kg/lb	0.48 / 1.06	0.73 / 1.61

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2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.
3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :
COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

General Data - Cooling Only (R410A)

MODEL		INDOOR UNIT			M5WM10G2	M5WM15G2
		OUTDOOR UNIT			M5LC010C	M5LC015C
NOMINAL CAPACITY				Btu/h	9500	12000
				W	2780	3520
NOMINAL TOTAL INPUT POWER				W	910	1230
NOMINAL RUNNING CURRENT				A	3.90	5.40
POWER SOURCE				V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
EER				W/W	3.05	2.86
REFRIGERANT TYPE					R410A	R410A
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR CAP. TUBE	OUTDOOR CAP. TUBE
INDOOR UNIT	CONTROL	AIR DISCHARGE			DOUBLE LOUVER (UP & DOWN) & GRILLE (LEFT & RIGHT)	DOUBLE LOUVER (UP & DOWN) & GRILLE (LEFT & RIGHT)
		OPERATION			LCD REMOTE CONTROL	LCD REMOTE CONTROL
	AIR FLOW	HIGH		l/s / CFM	142 / 300	163 / 345
		MEDIUM		l/s / CFM	118 / 250	135 / 285
		LOW		l/s / CFM	94 / 200	104 / 220
	SOUND PRESSURE LEVEL (H/M/L)			dBA	39 / 34 / 28	42 / 36 / 29
	UNIT DIMENSION	HEIGHT		mm/in	260 / 10.2	260 / 10.2
		WIDTH		mm/in	899 / 35.4	899 / 35.4
		DEPTH		mm/in	198 / 7.8	198 / 7.8
	PACKING DIMENSION	HEIGHT		mm/in	337 / 13.3	337 / 13.3
		WIDTH		mm/in	957 / 37.7	957 / 37.7
		DEPTH		mm/in	270 / 10.6	270 / 10.6
	UNIT WEIGHT			kg/lb	12 / 26.5	12 / 26.5
	CONDENSATE DRAIN SIZE			mm/in	16 / 0.6	16 / 0.6
OUTDOOR UNIT	AIR FLOW			l/s / CFM	396 / 840	453 / 960
	SOUND PRESSURE LEVEL			dBA	46	49
	UNIT DIMENSION	HEIGHT		mm/in	540 / 21.3	540 / 21.3
		WIDTH		mm/in	700 / 27.6	700 / 27.6
		DEPTH		mm/in	250 / 9.8	250 / 9.8
	PACKING DIMENSION	HEIGHT		mm/in	620 / 24.4	620 / 24.4
		WIDTH		mm/in	810 / 31.9	810 / 31.9
		DEPTH		mm/in	330 / 13.0	330 / 13.0
	UNIT WEIGHT			kg/lb	33 / 70.5	32 / 70.5
	PIPE CONNECTION	TYPE			FLARE VALVE	FLARE VALVE
		SIZE	LIQUID	mm/in	6.35 / 1/4	6.35 / 1/4
			GAS	mm/in	9.52 / 3/8	12.70 / 1/2
REFRIGERANT CHARGE				kg/lb	0.73 / 1.61	0.83 / 1.83

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2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.
3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :
COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

General Data - Cooling Only (R410A)

MODEL		INDOOR UNIT			M5WM20G2	M5WM25G2
		OUTDOOR UNIT			M5LC020C	M5LC025C
NOMINAL CAPACITY-1Ø/ <3Ø>				Btu/h	17850 / <18000>	20350 / <22500>
				W	5230 / <5280>	5960 / <6590>
NOMINAL TOTAL INPUT POWER-1Ø/ <3Ø>				W	1630 / <1663>	1860 / <2195>
NOMINAL RUNNING CURRENT-1Ø/ <3Ø>				A	7.3 / <3.2>	8.4 / <4.2>
POWER SOURCE-1Ø/ <3Ø>				V/Ph/Hz	220-240/ 1/ 50 / <380-415/ 3/ 50>	220-240/ 1/ 50 / <380-415/ 3/ 50>
EER-1Ø/ <3Ø>				W/W	3.21 / <3.17>	3.21 / <3.00>
REFRIGERANT TYPE					R410A	R410A
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR CAP. TUBE	OUTDOOR CAP. TUBE
INDOOR UNIT	CONTROL	AIR DISCHARGE			DOUBLE LOUVER (UP & DOWN) & GRILLE (LEFT & RIGHT)	DOUBLE LOUVER (UP & DOWN) & GRILLE (LEFT & RIGHT)
		OPERATION			LCD REMOTE CONTROL	LCD REMOTE CONTROL
	AIR FLOW	HIGH		l/s / CFM	231 / 490	297 / 630
		MEDIUM		l/s / CFM	193 / 410	231 / 490
		LOW		l/s / CFM	160 / 340	208 / 440
	SOUND PRESSURE LEVEL (H/M/L)			dBA	43 / 40 / 35	49 / 44 / 42
	UNIT DIMENSION	HEIGHT		mm/in	304 / 12.0	304 / 12.0
		WIDTH		mm/in	1062 / 41.8	1062 / 41.8
		DEPTH		mm/in	222 / 8.7	222 / 8.7
	PACKING DIMENSION	HEIGHT		mm/in	378 / 14.9	378 / 14.9
		WIDTH		mm/in	1130 / 44.5	1130 / 44.5
		DEPTH		mm/in	292 / 11.5	292 / 11.5
	UNIT WEIGHT			kg/lb	16 / 35.3	16 / 35.3
	CONDENSATE DRAIN SIZE			mm/in	20 / 0.8	20 / 0.8
OUTDOOR UNIT	AIR FLOW			l/s / CFM	614 / 1300	689 / 1460
	SOUND PRESSURE LEVEL			dBA	52	52
	UNIT DIMENSION	HEIGHT		mm/in	654 / 25.7	756 / 29.8
		WIDTH		mm/in	855 / 33.7	855 / 33.7
		DEPTH		mm/in	328 / 12.9	328 / 12.9
	PACKING DIMENSION	HEIGHT		mm/in	710 / 28.0	810 / 31.9
		WIDTH		mm/in	990 / 39.0	990 / 39.0
		DEPTH		mm/in	415 / 16.3	415 / 16.3
	UNIT WEIGHT			kg/lb	59 / 130.1	62 / 136.7
	PIPE CONNECTION	TYPE			FLARE VALVE	FLARE VALVE
		SIZE	LIQUID	mm/in	6.35 / 1/4	6.35 / 1/4
			GAS	mm/in	12.70 / 1/2	15.88 / 5/8
REFRIGERANT CHARGE				kg/lb	1.38 / 3.03	1.54 / 3.40

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2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.
3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW :
COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

General Data - Cooling Only (R410A)

MODEL		INDOOR UNIT			M5WM031F	
		OUTDOOR UNIT			M5LC028C	
NOMINAL CAPACITY-1Ø/ <3Ø>				Btu/h	26000 / <26000>	
				W	7620 / <7620>	
NOMINAL TOTAL INPUT POWER-1Ø/ <3Ø>				W	2560 / <2631>	
NOMINAL RUNNING CURRENT-1Ø/ <3Ø>				A	12.2 / <4.6>	
POWER SOURCE-1Ø/ <3Ø>				V/Ph/Hz	220-240/ 1/ 50 / <380-415/ 3/ 50>	
EER-1Ø/ <3Ø>				W/W	2.98 / <2.90>	
REFRIGERANT TYPE					R410A	
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR CAP. TUBE	
INDOOR UNIT	CONTROL	AIR DISCHARGE			AUTO LOUVER (UP & DOWN) & GRILLE (LEFT & RIGHT)	
		OPERATION			LCD REMOTE CONTROL	
	AIR FLOW	HIGH		l/s / CFM	316 / 670	
		MEDIUM		l/s / CFM	297 / 630	
		LOW		l/s / CFM	236 / 500	
	SOUND PRESSURE LEVEL (H/M/L)			dBA	49 / 47 / 45	
	UNIT DIMENSION	HEIGHT		mm/in	360 / 14.2	
		WIDTH		mm/in	1200 / 47.2	
		DEPTH		mm/in	200 / 7.9	
	PACKING DIMENSION	HEIGHT		mm/in	420 / 16.5	
		WIDTH		mm/in	1267 / 49.9	
		DEPTH		mm/in	260 / 10.2	
	UNIT WEIGHT			kg/lb	17 / 37.5	
	CONDENSATE DRAIN SIZE			mm/in	20 / 0.8	
OUTDOOR UNIT	AIR FLOW			l/s / CFM	632 / 1340	
	SOUND PRESSURE LEVEL			dBA	54	
	UNIT DIMENSION	HEIGHT		mm/in	756 / 29.8	
		WIDTH		mm/in	855 / 33.7	
		DEPTH		mm/in	328 / 12.9	
	PACKING DIMENSION	HEIGHT		mm/in	810 / 31.9	
		WIDTH		mm/in	990 / 39.0	
		DEPTH		mm/in	415 / 16.3	
	UNIT WEIGHT			kg/lb	68 / 149.9	
	PIPE CONNECTION	TYPE			FLARE VALVE	
		SIZE	LIQUID	mm/in	9.52 / 3/8	
			GAS	mm/in	15.88 / 5/8	
REFRIGERANT CHARGE				kg/lb	1.80 / 3.97	

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COOLING - 27°C DB / 19°C WB INDOOR AND 35°C DB / 24°C WB OUTDOOR
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

General Data - Heat pump (R410A)

MODEL		INDOOR UNIT			M5WM07G2R	M5WM09G2R
		OUTDOOR UNIT			M5LC007CR	M5LC010CR
NOMINAL COOLING CAPACITY				Btu/h	7500	9000
				W	2200	2640
NOMINAL HEATING CAPACITY				Btu/h	7500	9000
				W	2200	2640
NOMINAL TOTAL INPUT POWER (COOLING)				W	680	860
NOMINAL TOTAL INPUT POWER (HEATING)				W	550	745
NOMINAL RUNNING CURRENT (COOLING)				A	3.10	3.90
NOMINAL RUNNING CURRENT (HEATING)				A	2.60	3.40
POWER SOURCE				V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
EER				W/W	3.24	3.07
COP				W/W	4.00	3.54
REFRIGERANT TYPE					R410A	R410A
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR CAP. TUBE	OUTDOOR CAP. TUBE
INDOOR UNIT	CONTROL	AIR DISCHARGE			DOUBLE LOUVER (UP & DOWN) & GRILLE (LEFT & RIGHT)	DOUBLE LOUVER (UP & DOWN) & GRILLE (LEFT & RIGHT)
		OPERATION			LCD REMOTE CONTROL	LCD REMOTE CONTROL
	AIR FLOW	HIGH		l/s / CFM	130 / 275	130 / 275
		MEDIUM		l/s / CFM	106 / 225	106 / 225
		LOW		l/s / CFM	83 / 175	83 / 175
	SOUND PRESSURE LEVEL (H/M/L)			dBA	40 / 35 / 29	40 / 35 / 29
	UNIT DIMENSION	HEIGHT		mm/in	260 / 10.2	260 / 10.2
		WIDTH		mm/in	799 / 31.5	799 / 31.5
		DEPTH		mm/in	198 / 7.8	198 / 7.8
	PACKING DIMENSION	HEIGHT		mm/in	337 / 13.3	337 / 13.3
		WIDTH		mm/in	857 / 33.7	857 / 33.7
		DEPTH		mm/in	270 / 10.6	270 / 10.6
	UNIT WEIGHT			kg/lb	10 / 22.0	10 / 22.0
	CONDENSATE DRAIN SIZE			mm/in	16 / 0.6	16 / 0.6
OUTDOOR UNIT	AIR FLOW			l/s / CFM	307 / 650	396 / 840
	SOUND PRESSURE LEVEL			dBA	44	46
	UNIT DIMENSION	HEIGHT		mm/in	495 / 19.5	540 / 21.3
		WIDTH		mm/in	600 / 23.6	700 / 27.6
		DEPTH		mm/in	245 / 9.7	250 / 9.8
	PACKING DIMENSION	HEIGHT		mm/in	575 / 22.6	620 / 24.4
		WIDTH		mm/in	715 / 28.1	810 / 31.9
		DEPTH		mm/in	330 / 13.0	330 / 13.0
	UNIT WEIGHT			kg/lb	26 / 57.3	32 / 70.5
	PIPE CONNECTION	TYPE			FLARE VALVE	FLARE VALVE
		SIZE	LIQUID	mm/in	6.35 / 1/4	6.35 / 1/4
			GAS	mm/in	9.52 / 3/8	9.52 / 3/8
REFRIGERANT CHARGE				kg/lb	0.50 / 1.10	0.73 / 1.61

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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
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General Data - Heat pump (R410A)

MODEL		INDOOR UNIT			M5WM10G2R	M5WM15G2R
		OUTDOOR UNIT			M5LC010CR	M5LC015CR
NOMINAL COOLING CAPACITY				Btu/h	9500	12000
				W	2780	3520
NOMINAL HEATING CAPACITY				Btu/h	9500	12000
				W	2780	3520
NOMINAL TOTAL INPUT POWER (COOLING)				W	910	1230
NOMINAL TOTAL INPUT POWER (HEATING)				W	770	1080
NOMINAL RUNNING CURRENT (COOLING)				A	3.90	5.40
NOMINAL RUNNING CURRENT (HEATING)				A	3.40	4.90
POWER SOURCE				V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
EER				W/W	3.05	2.86
COP				W/W	3.61	3.26
REFRIGERANT TYPE					R410A	R410A
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR CAP. TUBE	OUTDOOR CAP. TUBE
INDOOR UNIT	CONTROL	AIR DISCHARGE			DOUBLE LOUVER (UP & DOWN) & GRILLE (LEFT & RIGHT)	DOUBLE LOUVER (UP & DOWN) & GRILLE (LEFT & RIGHT)
		OPERATION			LCD REMOTE CONTROL	LCD REMOTE CONTROL
	AIR FLOW	HIGH		l/s / CFM	142 / 300	163 / 345
		MEDIUM		l/s / CFM	118 / 250	135 / 285
		LOW		l/s / CFM	94 / 200	104 / 220
	SOUND PRESSURE LEVEL (H/M/L)			dBA	39 / 34 / 28	42 / 36 / 29
	UNIT DIMENSION	HEIGHT		mm/in	260 / 10.2	260 / 10.2
		WIDTH		mm/in	899 / 35.4	899 / 35.4
		DEPTH		mm/in	198 / 7.8	198 / 7.8
	PACKING DIMENSION	HEIGHT		mm/in	337 / 13.3	337 / 13.3
		WIDTH		mm/in	957 / 37.7	957 / 37.7
		DEPTH		mm/in	270 / 10.6	270 / 10.6
	UNIT WEIGHT			kg/lb	12 / 26.5	12 / 26.5
	CONDENSATE DRAIN SIZE			mm/in	16 / 0.6	16 / 0.6
OUTDOOR UNIT	AIR FLOW			l/s / CFM	396 / 840	453 / 960
	SOUND PRESSURE LEVEL			dBA	46	49
	UNIT DIMENSION	HEIGHT		mm/in	540 / 21.3	540 / 21.3
		WIDTH		mm/in	700 / 27.6	700 / 27.6
		DEPTH		mm/in	250 / 9.8	250 / 9.8
	PACKING DIMENSION	HEIGHT		mm/in	620 / 24.4	620 / 24.4
		WIDTH		mm/in	810 / 31.9	810 / 31.9
		DEPTH		mm/in	330 / 13.0	330 / 13.0
	UNIT WEIGHT			kg/lb	32 / 70.5	32 / 70.5
	PIPE CONNECTION	TYPE			FLARE VALVE	FLARE VALVE
		SIZE	LIQUID	mm/in	6.35 / 1/4	6.35 / 1/4
			GAS	mm/in	9.52 / 3/8	12.70 / 1/2
REFRIGERANT CHARGE				kg/lb	0.73 / 1.61	0.83 / 1.82

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b) HEATING - 20°C DB INDOOR AND 7°C DB / 6°C WB OUTDOOR
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General Data - Heat pump (R410A)

MODEL		INDOOR UNIT			M5WM20G2R	M5WM25G2R
		OUTDOOR UNIT			M5LC020CR	M5LC025CR
NOMINAL COOLING CAPACITY- 1Ø / <3Ø>				Btu/h	17850 / <18000>	20350 / <22500>
				W	5230 / <5280>	5960 / <6590>
NOMINAL HEATING CAPACITY- 1Ø / <3Ø>				Btu/h	18000 / <18500>	22000 / <23000>
				W	5280 / <5420>	6448 / <6740>
NOMINAL TOTAL INPUT POWER (COOLING)- 1Ø / <3Ø>				W	1630 / <1663>	1860 / <2195>
NOMINAL TOTAL INPUT POWER (HEATING)- 1Ø / <3Ø>				W	1546 / <1630>	1870 / <2106>
NOMINAL RUNNING CURRENT (COOLING)- 1Ø / <3Ø>				A	7.2 / <3.2>	8.4 / <4.2>
NOMINAL RUNNING CURRENT (HEATING)- 1Ø / <3Ø>				A	6.8 / <3.1>	8.4 / <4.2>
POWER SOURCE- 1Ø / <3Ø>				V/Ph/Hz	220-240/ 1/ 50 / <380-415/ 3/ 50>	220-240/ 1/ 50 / <380-415/ 3/ 50>
EER- 1Ø / <3Ø>				W/W	3.21 / <3.17>	3.21 / <3.00>
COP- 1Ø / <3Ø>				W/W	3.42 / <3.33>	3.45 / <3.20>
REFRIGERANT TYPE					R410A	R410A
REFRIGERANT CONTROL (EXPANSION DEVICE)					OUTDOOR CAP. TUBE	OUTDOOR CAP. TUBE
INDOOR UNIT	CONTROL	AIR DISCHARGE			DOUBLE LOUVER (UP & DOWN) & GRILLE (LEFT & RIGHT)	DOUBLE LOUVER (UP & DOWN) & GRILLE (LEFT & RIGHT)
		OPERATION			LCD REMOTE CONTROL	LCD REMOTE CONTROL
	AIR FLOW	HIGH		l/s / CFM	231 / 490	297 / 630
		MEDIUM		l/s / CFM	193 / 410	231 / 490
		LOW		l/s / CFM	160 / 340	208 / 440
	SOUND PRESSURE LEVEL (H/M/L)			dBA	43 / 40 / 35	49 / 44 / 42
	UNIT DIMENSION	HEIGHT		mm/in	304 / 12.0	304 / 12.0
		WIDTH		mm/in	1062 / 41.8	1062 / 41.8
		DEPTH		mm/in	222 / 8.7	222 / 8.7
	PACKING DIMENSION	HEIGHT		mm/in	378 / 14.9	378 / 14.9
		WIDTH		mm/in	1130 / 44.5	1130 / 44.5
		DEPTH		mm/in	292 / 11.5	292 / 11.5
	UNIT WEIGHT			kg/lb	16 / 35.3	16 / 35.3
	CONDENSATE DRAIN SIZE			mm/in	20 / 0.8	20 / 0.8
OUTDOOR UNIT	AIR FLOW			l/s / CFM	614 / 1300	689 / 1460
	SOUND PRESSURE LEVEL			dBA	52	52
	UNIT DIMENSION	HEIGHT		mm/in	654 / 25.7	756 / 29.8
		WIDTH		mm/in	855 / 33.7	855 / 33.7
		DEPTH		mm/in	328 / 12.9	328 / 12.9
	PACKING DIMENSION	HEIGHT		mm/in	710 / 28.0	810 / 31.9
		WIDTH		mm/in	990 / 39.0	990 / 39.0
		DEPTH		mm/in	415 / 16.3	415 / 16.3
	UNIT WEIGHT			kg/lb	59 / 130.1	62 / 136.7
	PIPE CONNECTION	TYPE			FLARE VALVE	FLARE VALVE
		SIZE	LIQUID	mm/in	6.35 / 1/4	6.35 / 1/4
			GAS	mm/in	12.70 / 1/2	15.88 / 5/8
REFRIGERANT CHARGE				kg/lb	1.38 / 3.03	1.54 / 3.40

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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
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

General Data - Heat pump (R410A)

MODEL		**INDOOR UNIT**		**M5WM030FR**	
		OUTDOOR UNIT		**M5LC028CR**	
NOMINAL COOLING CAPACITY- 1Ø / <3Ø>			**Btu/h**	26000 / <26000>	
			W	7620 / <7620>	
NOMINAL HEATING CAPACITY- 1Ø / <3Ø>			**Btu/h**	26000 / <26000>	
			W	7620 / <7620>	
NOMINAL TOTAL INPUT POWER (COOLING)- 1Ø / <3Ø>			**W**	2560 / <2631>	
NOMINAL TOTAL INPUT POWER (HEATING)- 1Ø / <3Ø>			**W**	2442 / <2294>	
NOMINAL RUNNING CURRENT (COOLING)- 1Ø / <3Ø>			**A**	12.2 / <4.6>	
NOMINAL RUNNING CURRENT (HEATING)- 1Ø / <3Ø>			**A**	11.6 / <4.2>	
POWER SOURCE- 1Ø / <3Ø>			**V/Ph/Hz**	220-240/ 1/ 50 / <380-415/ 3/ 50>	
EER- 1Ø / <3Ø>			**W/W**	2.98 / <2.90>	
COP- 1Ø / <3Ø>			**W/W**	3.12 / <3.32>	
REFRIGERANT TYPE				R410A	
REFRIGERANT CONTROL (EXPANSION DEVICE)				OUTDOOR CAP. TUBE	
INDOOR UNIT	**CONTROL**	**AIR DISCHARGE**		AUTO LOUVER (UP & DOWN) & GRILLE (LEFT & RIGHT)	
		OPERATION		LCD REMOTE CONTROL	
	AIR FLOW	**HIGH**	**l/s / CFM**	316 / 670	
		MEDIUM	**l/s / CFM**	297 / 630	
		LOW	**l/s / CFM**	236 / 500	
	SOUND PRESSURE LEVEL (H/M/L)		**dBA**	49 / 47 / 45	
	UNIT DIMENSION	**HEIGHT**	**mm/in**	360 / 14.2	
		WIDTH	**mm/in**	1200 / 47.2	
		DEPTH	**mm/in**	200 / 7.9	
	PACKING DIMENSION	**HEIGHT**	**mm/in**	420 / 16.5	
		WIDTH	**mm/in**	1267 / 49.9	
		DEPTH	**mm/in**	260 / 10.2	
	UNIT WEIGHT		**kg/lb**	17 / 37.5	
	CONDENSATE DRAIN SIZE		**mm/in**	20 / 0.8	
OUTDOOR UNIT	**AIR FLOW**		**l/s / CFM**	632 / 1340	
	SOUND PRESSURE LEVEL		**dBA**	54	
	UNIT DIMENSION	**HEIGHT**	**mm/in**	756 / 29.8	
		WIDTH	**mm/in**	855 / 33.7	
		DEPTH	**mm/in**	328 / 12.9	
	PACKING DIMENSION	**HEIGHT**	**mm/in**	810 / 31.9	
		WIDTH	**mm/in**	990 / 39.0	
		DEPTH	**mm/in**	415 / 16.3	
	UNIT WEIGHT		**kg/lb**	68 / 149.9	
	PIPE CONNECTION	**TYPE**		FLARE VALVE	
		SIZE **LIQUID**	**mm/in**	9.52 / 3/8	
		GAS	**mm/in**	15.88 / 5/8	
REFRIGERANT CHARGE			**kg/lb**	1.80 / 3.97	

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3) 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
4) SOUND PRESSURE LEVEL ARE ACCORDING TO JIS B 8615 STANDARD. POSITION OF THE MEASUREMENT POINT IS 1m IN FRONT AND 1m BELOW THE UNIT.

Component Data - Cooling Only (R22)

MODEL	INDOOR UNIT			MWM07G2	MWM09G2
	OUTDOOR UNIT			MLC007C	MLC009C
INDOOR FAN	TYPE			CROSS FLOW FAN	CROSS FLOW FAN
	QUANTITY			1	1
	MATERIAL			ACRYLO NITRILE STYRENE	ACRYLO NITRILE STYRENE
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	97 / 3.8	97 / 3.8
	LENGTH		mm/in	617.5 / 24.3	617.5 / 24.3
INDOOR FAN MOTOR	TYPE			INDUCTION	INDUCTION
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			IP24	IP24
OUTDOOR FAN	TYPE			PROPELLER	PROPELLER
	QUANTITY			1	1
	MATERIAL			GLASS REINFORCED ACRYL STYRENE RESIN	GLASS REINFORCED ACRYL STYRENE RESIN
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	356 / 14	356 / 14
OUTDOOR FAN MOTOR	TYPE			INDUCTION	INDUCTION
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			IP54	IP54
COMPRESSOR	TYPE			ROTARY HERMETIC	ROTARY HERMETIC
	OIL TYPE			ATMOS M60 or SUNISO 4GDID	ATMOS M60 or SUNISO 4GDID
	OIL AMOUNT		cm^3 / fl.oz.	320 / 11.3	320 / 11.3
INDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER	mm/in	7.0 / 0.276	7.0 / 0.276
		THICKNESS	mm/in	0.28 / 0.011	0.28 / 0.011
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC SLIT FIN TYPE)	ALUMINIUM (HYDROPHILIC SLIT FIN TYPE)
		THICKNESS	mm/in	0.11 / 0.0043	0.11 / 0.0043
		FACE AREA	m^2/ft^2	0.201 / 2.161	0.201 / 2.161
		ROW		2	2
		FIN PER INCH		18	18
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER	mm/in	7.0 / 0.276	7.0 / 0.276
		THICKNESS	mm/in	0.28 / 0.011	0.28 / 0.011
	FIN	MATERIAL		RASE LANCE	RASE LANCE
		THICKNESS	mm/in	0.10 / 0.004	0.10 / 0.004
		FACE AREA	m^2/ft^2	0.31 / 3.40	0.31 / 3.40
		ROW		1	1
		FIN PER INCH		18	18
AIR QUALITY	FILTER	TYPE		NANO FILTER	NANO FILTER
		QUANTITY	pc	2	2
		SIZE LENGTH	mm/in	304 / 11.9	304 / 11.9
		SIZE WIDTH	mm/in	298 / 11.7	298 / 11.7
		SIZE THICKNESS	mm/in	1.5 / 0.06	1.5 / 0.06
	NEGATIVE IONIZER			YES	YES
CASING	INDOOR UNIT		MATERIAL	HIGH IMPACT POLYSTYRENE	HIGH IMPACT POLYSTYRENE
			COLOUR	LIGHT GREY	LIGHT GREY
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL	GALVANISED MILD STEEL
			COLOUR	LIGHT GREY	LIGHT GREY

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Component Data - Cooling Only (R22)

MODEL	INDOOR UNIT			MWM10G2	MWM15G2
	OUTDOOR UNIT			MLC010C	MLC015C
INDOOR FAN	TYPE			CROSS FLOW FAN	CROSS FLOW FAN
	QUANTITY			1	1
	MATERIAL			ACRYLO NITRILE STYRENE	ACRYLO NITRILE STYRENE
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	97 / 3.8	97 / 3.8
	LENGTH		mm/in	717.5 / 28.2	717.5 / 28.2
INDOOR FAN MOTOR	TYPE			INDUCTION	INDUCTION
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			IP24	IP24
OUTDOOR FAN	TYPE			PROPELLER	PROPELLER
	QUANTITY			1	1
	MATERIAL			GLASS REINFORCED ACRYL STYRENE RESIN	GLASS REINFORCED ACRYL STYRENE RESIN
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	404 / 16	404 / 16
OUTDOOR FAN MOTOR	TYPE			INDUCTION	INDUCTION
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			IP54	IP54
COMPRESSOR	TYPE			ROTARY HERMETIC	ROTARY HERMETIC
	OIL TYPE			ATMOS M60 or SUNISO 4GDID	ATMOS M60 or SUNISO 4GDID
	OIL AMOUNT		cm^3 / fl.oz.	320 / 11.3	350 / 11.8
INDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER	mm/in	7.0 / 0.276	7.0 / 0.276
		THICKNESS	mm/in	0.28 / 0.011	0.28 / 0.011
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC SLIT FIN TYPE)	ALUMINIUM (HYDROPHILIC SLIT FIN TYPE)
		THICKNESS	mm/in	0.11 / 0.0043	0.11 / 0.0043
		FACE AREA	m^2/ft^2	0.234 / 2.516	0.234 / 2.516
		ROW		2	2
		FIN PER INCH		18	18
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER	mm/in	7.0 / 0.276	7.0 / 0.276
		THICKNESS	mm/in	0.28 / 0.011	0.28 / 0.011
	FIN	MATERIAL		CORRUGATED	RASE LANCE
		THICKNESS	mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA	m^2/ft^2	0.36 / 3.94	0.36 / 3.94
		ROW		1	1
		FIN PER INCH		18	18
AIR QUALITY	FILTER	TYPE		NANO FILTER	NANO FILTER
		QUANTITY	pc	2	2
		SIZE LENGTH	mm/in	304 / 11.9	304 / 11.9
		SIZE WIDTH	mm/in	348 / 13.7	348 / 13.7
		SIZE THICKNESS	mm/in	1.5 / 0.06	1.5 / 0.06
	NEGATIVE IONIZER			YES	YES
CASING	INDOOR UNIT		MATERIAL	HIGH IMPACT POLYSTYRENE	HIGH IMPACT POLYSTYRENE
			COLOUR	LIGHT GREY	LIGHT GREY
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL	GALVANISED MILD STEEL
			COLOUR	LIGHT GREY	LIGHT GREY

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Component Data - Cooling Only (R22)

MODEL	INDOOR UNIT			MWM20G2	MWM20G2
	OUTDOOR UNIT			MLC018C	MLC020C
INDOOR FAN	TYPE			CROSS FLOW FAN	CROSS FLOW FAN
	QUANTITY			1	1
	MATERIAL			ACRYLO NITRILE STYRENE	ACRYLO NITRILE STYRENE
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	108 / 4.25	108 / 4.25
	LENGTH		mm/in	810 / 31.9	810 / 31.9
INDOOR FAN MOTOR	TYPE			INDUCTION	INDUCTION
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			IP20	IP20
OUTDOOR FAN	TYPE			PROPELLER	PROPELLER
	QUANTITY			1	1
	MATERIAL			GLASS REINFORCED ACRYL STYRENE RESIN	GLASS REINFORCED ACRYL STYRENE RESIN
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	457.2 / 18	457.2 / 18
OUTDOOR FAN MOTOR	TYPE			INDUCTION	INDUCTION
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			IP54	IP54
COMPRESSOR	TYPE			ROTARY HERMETIC	ROTARY HERMETIC
	OIL TYPE			ATMOS NM56M or SUNISO 4GDID	ATMOS NM56M or SUNISO 4GDID
	OIL AMOUNT		cm³ / fl.oz.	600 / 21.1	1000 / 35.2
INDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER	mm/in	7.0 / 0.276	7.0 / 0.276
		THICKNESS	mm/in	0.28 / 0.011	0.28 / 0.011
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC SLIT FIN TYPE)	ALUMINIUM (HYDROPHILIC SLIT FIN TYPE)
		THICKNESS	mm/in	0.11 / 0.0043	0.11 / 0.0043
		FACE AREA	m²/ft²	0.269 / 2.900	0.269 / 2.900
		ROW		2	2
		FIN PER INCH		18	18
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER	mm/in	7.0 / 0.276	7.0 / 0.276
		THICKNESS	mm/in	0.28 / 0.011	0.28 / 0.011
	FIN	MATERIAL		ALUMINIUM (RAISE LANCE FIN)	ALUMINIUM (RAISE LANCE FIN)
		THICKNESS	mm/in	0.11 / 0.0043	0.11 / 0.0043
		FACE AREA	m²/ft²	0.52 / 5.59	0.52 / 5.59
		ROW		1	2
		FIN PER INCH		20	18
AIR QUALITY	FILTER	TYPE		NANO FILTER	NANO FILTER
		QUANTITY	pc	2	2
		SIZE LENGTH	mm/in	351/13.8	351/13.8
		SIZE WIDTH	mm/in	386 / 15.2	386 / 15.2
		SIZE THICKNESS	mm/in	1.5 / 0.06	1.5 / 0.06
	NEGATIVE IONIZER			YES	YES
CASING	INDOOR UNIT		MATERIAL	HIGH IMPACT POLYSTYRENE	HIGH IMPACT POLYSTYRENE
			COLOUR	LIGHT GREY	LIGHT GREY
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL	GALVANISED MILD STEEL
			COLOUR	LIGHT GREY	LIGHT GREY

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Component Data - Cooling Only (R22)

MODEL	INDOOR UNIT				MWM25G2	MWM030F
	OUTDOOR UNIT				MLC025C	MLC028C
INDOOR FAN	TYPE				CROSS FLOW FAN	CROSS FLOW FAN
	QUANTITY				1	1
	MATERIAL				ACRYLO NITRILE STYRENE	ACRYLO NITRILE STYRENE
	DRIVE				DIRECT	DIRECT
	DIAMETER			mm/in	108 / 4.25	106 / 4.17
	LENGTH			mm/in	810 / 31.9	950 / 37.4
INDOOR FAN MOTOR	TYPE				INDUCTION	INDUCTION
	QUANTITY				1	1
	INDEX OF PROTECTION (IP)				IP20	IP24
OUTDOOR FAN	TYPE				PROPELLER	PROPELLER
	QUANTITY				1	1
	MATERIAL				GLASS REINFORCED ACRYL STYRENE RESIN	GLASS REINFORCED ACRYL STYRENE RESIN
	DRIVE				DIRECT	DIRECT
	DIAMETER			mm/in	457.2 / 18	457.2 / 18
OUTDOOR FAN MOTOR	TYPE				INDUCTION	INDUCTION
	QUANTITY				1	1
	INDEX OF PROTECTION (IP)				IP54	IP54
COMPRESSOR	TYPE				ROTARY HERMETIC	ROTARY HERMETIC
	OIL TYPE				ATMOS NM56M or SUNISO 4GDID	ATMOS NM56M or SUNISO 4GDID
	OIL AMOUNT			cm³ / fl.oz.	700 / 24.6	1130 / 39.8
INDOOR COIL	TUBE	MATERIAL			SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER		mm/in	7.0 / 0.276	9.52 / 0.375
		THICKNESS		mm/in	0.28 / 0.011	0.35 / 0.013
	FIN	MATERIAL			ALUMINIUM (HYDROPHILIC SLIT FIN TYPE)	ALUMINIUM (HYDROPHILIC SLIT FIN TYPE)
		THICKNESS		mm/in	0.11 / 0.0043	0.11 / 0.0043
		FACE AREA		m²/ft²	0.269 / 2.900	0.291 / 3.130
		ROW			2	2
		FIN PER INCH			18	16
OUTDOOR COIL	TUBE	MATERIAL			SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER		mm/in	7.0 / 0.276	9.52 / 3/8
		THICKNESS		mm/in	0.28 / 0.011	0.33 / 0.013
	FIN	MATERIAL			RAISE LANCE	ALUMINIUM (SLIT FIN)
		THICKNESS		mm/in	0.127 / 0.005	0.127 / 0.005
		FACE AREA		m²/ft²	0.61 / 6.52	0.61 / 6.52
		ROW			2	2
		FIN PER INCH			18	18
AIR QUALITY	FILTER	TYPE			NANO FILTER	SARANET + IONIZER
		QUANTITY		pc	2	3 X 3
		SIZE	LENGTH	mm/in	351/13.8	330 / 13.0
			WIDTH	mm/in	386 / 15.2	317 / 12.4
			THICKNESS	mm/in	1.5 / 0.06	1.8 / 0.07
	NEGATIVE IONIZER				YES	NO
CASING	INDOOR UNIT			MATERIAL	HIGH IMPACT POLYSTYRENE	ABS
				COLOUR	LIGHT GREY	LIGHT GREY
	OUTDOOR UNIT			MATERIAL	GALVANISED MILD STEEL	GALVANISED MILD STEEL
				COLOUR	LIGHT GREY	LIGHT GREY

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Component Data - Heat Pump (R22)

MODEL	INDOOR UNIT			MWM030F	
	OUTDOOR UNIT			MLC030C	
INDOOR FAN	TYPE			CROSS FLOW FAN	
	QUANTITY			1	
	MATERIAL			ACRYLO NITRILE STYRENE	
	DRIVE			DIRECT	
	DIAMETER		mm/in	106 / 4.17	
	LENGTH		mm/in	950 / 37.4	
INDOOR FAN MOTOR	TYPE			INDUCTION	
	QUANTITY			1	
	INDEX OF PROTECTION (IP)			IP24	
OUTDOOR FAN	TYPE			PROPELLER	
	QUANTITY			1	
	MATERIAL			GLASS REINFORCED ACRYL STYRENE RESIN	
	DRIVE			DIRECT	
	DIAMETER		mm/in	610 / 24	
OUTDOOR FAN MOTOR	TYPE			INDUCTION	
	QUANTITY			1	
	INDEX OF PROTECTION (IP)			-	
COMPRESSOR	TYPE			SCROLL	
	OIL TYPE			MINERAL (Sontex 200LT)	
	OIL AMOUNT		cm^3 / fl.oz.	1240 / 43.6	
INDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER COPPER TUBE	
		DIAMETER	mm/in	9.52 / 0.375	
		THICKNESS	mm/in	0.35 / 0.013	
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC SLIT FIN TYPE)	
		THICKNESS	mm/in	0.11 / 0.0043	
		FACE AREA	m^2/ft^2	0.291 / 3.130	
		ROW		2	
		FIN PER INCH		16	
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS COPPER TUBE	
		DIAMETER	mm/in	9.52 / 0.375	
		THICKNESS	mm/in	0.35 / 0.014	
	FIN	MATERIAL		ALUMINIUM (SLIT FIN TYPE)	
		THICKNESS	mm/in	0.12 / 0.005	
		FACE AREA	m^2/ft^2	0.87 / 9.33	
		ROW		1	
		FIN PER INCH		16	
AIR QUALITY	FILTER	TYPE		SARANET + IONIZER	
		QUANTITY	pc	3 X 3	
		SIZE LENGTH	mm/in	330 / 13.0	
		SIZE WIDTH	mm/in	317 / 12.4	
		SIZE THICKNESS	mm/in	1.8 / 0.07	
	NEGATIVE IONIZER			NO	
CASING	INDOOR UNIT		MATERIAL	ABS	
			COLOUR	LIGHT GREY	
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL	
			COLOUR	LIGHT GREY	

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Component Data - Heat Pump (R22)

MODEL	INDOOR UNIT				MWM09G2R	MWM10G2R
	OUTDOOR UNIT				MLC009CR	MLC010CR
INDOOR FAN	TYPE				ANTI FUNGUS SKEW FAN	ANTI FUNGUS SKEW FAN
	QUANTITY				1	1
	MATERIAL				ACRYLO NITRILE STYRENE	ACRYLO NITRILE STYRENE
	DRIVE				DIRECT	DIRECT
	DIAMETER			mm/in	97 / 3.8	97 / 3.8
	LENGTH			mm/in	617.5 / 24.3	717.5 / 28.2
INDOOR FAN MOTOR	TYPE				INDUCTION	INDUCTION
	QUANTITY				1	1
	INDEX OF PROTECTION (IP)				IP24	IP24
OUTDOOR FAN	TYPE				PROPELLER	PROPELLER
	QUANTITY				1	1
	MATERIAL				GLASS REINFORCED ACRYL STYRENE RESIN	GLASS REINFORCED ACRYL STYRENE RESIN
	DRIVE				DIRECT	DIRECT
	DIAMETER			mm/in	356 / 14	404 / 16
OUTDOOR FAN MOTOR	TYPE				INDUCTION	INDUCTION
	QUANTITY				1	1
	INDEX OF PROTECTION (IP)				IP54	IP54
COMPRESSOR	TYPE				ROTARY HERMETIC	ROTARY HERMETIC
	OIL TYPE				ATMOS M60 or SUNISO 4GDID	ATMOS M60 or SUNISO 4GDID
	OIL AMOUNT			cm³ / fl.oz.	320 / 11.3	320 / 11.3
INDOOR COIL	TUBE	MATERIAL			SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER		mm/in	7.0 / 0.276	7.0 / 0.276
		THICKNESS		mm/in	0.28 / 0.011	0.28 / 0.011
	FIN	MATERIAL			ALUMINIUM (HYDROPHILIC SLIT FIN TYPE)	ALUMINIUM (HYDROPHILIC SLIT FIN TYPE)
		THICKNESS		mm/in	0.11 / 0.0043	0.11 / 0.0043
		FACE AREA		m²/ft²	0.201 / 2.161	0.234 / 2.516
		ROW			2	2
		FIN PER INCH			18	18
OUTDOOR COIL	TUBE	MATERIAL			SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER		mm/in	9.52 / 3/8	9.52 / 3/8
		THICKNESS		mm/in	0.33 / 0.013	0.33 / 0.013
	FIN	MATERIAL			ALUMINIUM (SLIT FIN)	ALUMINIUM (SLIT FIN)
		THICKNESS		mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA		m²/ft²	0.31 / 3.40	0.36 / 3.94
		ROW			1	1
		FIN PER INCH			18	18
AIR QUALITY	FILTER	TYPE			NANO FILTER	NANO FILTER
		QUANTITY		pc	2	2
		SIZE	LENGTH	mm/in	304 / 11.9	304 / 11.9
			WIDTH	mm/in	298 / 11.7	348 / 13.7
			THICKNESS	mm/in	1.5 / 0.06	1.5 / 0.06
	NEGATIVE IONIZER				YES	YES
CASING	INDOOR UNIT			MATERIAL	HIGH IMPACT POLYSTYRENE	HIGH IMPACT POLYSTYRENE
				COLOUR	LIGHT GREY	LIGHT GREY
	OUTDOOR UNIT			MATERIAL	GALVANISED MILD STEEL	GALVANISED MILD STEEL
				COLOUR	LIGHT GREY	LIGHT GREY

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Component Data - Heat Pump (R22)

MODEL	INDOOR UNIT				MWM15G2R	MWM20G2R
	OUTDOOR UNIT				MLC015CR	MLC018CR
INDOOR FAN	TYPE				ANTI FUNGUS SKEW FAN	CROSS FLOW FAN
	QUANTITY				1	1
	MATERIAL				ACRYLO NITRILE STYRENE	ACRYLO NITRILE STYRENE
	DRIVE				DIRECT	DIRECT
	DIAMETER			mm/in	97 / 3.8	108 / 4.25
	LENGTH			mm/in	717.5 / 28.2	810 / 31.9
INDOOR FAN MOTOR	TYPE				INDUCTION	INDUCTION
	QUANTITY				1	1
	INDEX OF PROTECTION (IP)				IP24	IP20
OUTDOOR FAN	TYPE				PROPELLER	PROPELLER
	QUANTITY				1	1
	MATERIAL				GLASS REINFORCED ACRYL STYRENE RESIN	GLASS REINFORCED ACRYL STYRENE RESIN
	DRIVE				DIRECT	DIRECT
	DIAMETER			mm/in	404 / 16	457.2/18
OUTDOOR FAN MOTOR	TYPE				INDUCTION	INDUCTION
	QUANTITY				1	1
	INDEX OF PROTECTION (IP)				IP54	IP54
COMPRESSOR	TYPE				ROTARY HERMETIC	ROTARY HERMETIC
	OIL TYPE				ATMOS M60 or SUNISO 4GDID	ATMOS NM56M or SUNISO 4GDID
	OIL AMOUNT			cm³ / fl.oz.	350 / 11.8	600 / 21.1
INDOOR COIL	TUBE	MATERIAL			SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER		mm/in	7.0 / 0.276	7.0 / 0.276
		THICKNESS		mm/in	0.28 / 0.011	0.28 / 0.011
	FIN	MATERIAL			ALUMINIUM (HYDROPHILIC SLIT FIN TYPE)	ALUMINIUM (HYDROPHILIC SLIT FIN TYPE)
		THICKNESS		mm/in	0.11 / 0.0043	0.11 / 0.0043
		FACE AREA		m²/ft²	0.234 / 2.516	0.269 / 2.900
		ROW			2	2
		FIN PER INCH			18	18
OUTDOOR COIL	TUBE	MATERIAL			SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER		mm/in	9.52 / 3/8	7.0 / 0.276
		THICKNESS		mm/in	0.33 / 0.013	0.28 / 0.011
	FIN	MATERIAL			ALUMINIUM (SLIT FIN)	ALUMINIUM (RAISE LANCE FIN)
		THICKNESS		mm/in	0.11 / 0.004	0.11 / 0.0043
		FACE AREA		m²/ft²	0.36 / 3.94	0.52 / 5.59
		ROW			1	1
		FIN PER INCH			18	20
AIR QUALITY	FILTER	TYPE			NANO FILTER	NANO FILTER
		QUANTITY		pc	2	2
		SIZE	LENGTH	mm/in	304 / 11.9	351 / 13.8
			WIDTH	mm/in	348 / 13.7	386 / 15.2
			THICKNESS	mm/in	1.5 / 0.06	1.5 / 0.06
	NEGATIVE IONIZER				YES	YES
CASING	INDOOR UNIT			MATERIAL	HIGH IMPACT POLYSTYRENE	HIGH IMPACT POLYSTYRENE
				COLOUR	LIGHT GREY	LIGHT GREY
	OUTDOOR UNIT			MATERIAL	GALVANISED MILD STEEL	GALVANISED MILD STEEL
				COLOUR	LIGHT GREY	LIGHT GREY

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Component Data - Heat Pump (R22)

MODEL	INDOOR UNIT				MWM20G2R	MWM25G2R
	OUTDOOR UNIT				MLC020CR	MLC025CR
INDOOR FAN	TYPE				CROSS FLOW FAN	CROSS FLOW FAN
	QUANTITY				1	1
	MATERIAL				ACRYLO NITRILE STYRENE	ACRYLO NITRILE STYRENE
	DRIVE				DIRECT	DIRECT
	DIAMETER			mm/in	108 / 4.25	108 / 4.25
	LENGTH			mm/in	810 / 31.9	810 / 31.9
INDOOR FAN MOTOR	TYPE				INDUCTION	INDUCTION
	QUANTITY				1	1
	INDEX OF PROTECTION (IP)				IP20	IP20
OUTDOOR FAN	TYPE				PROPELLER	PROPELLER
	QUANTITY				1	1
	MATERIAL				GLASS REINFORCED ACRYL STYRENE RESIN	GLASS REINFORCED ACRYL STYRENE RESIN
	DRIVE				DIRECT	DIRECT
	DIAMETER			mm/in	457.2/18	457.2/18
OUTDOOR FAN MOTOR	TYPE				INDUCTION	INDUCTION
	QUANTITY				1	1
	INDEX OF PROTECTION (IP)				IP54	IP54
COMPRESSOR	TYPE				ROTARY HERMETIC	ROTARY HERMETIC
	OIL TYPE				ATMOS NM56M or SUNISO 4GDID	ATMOS NM56M or SUNISO 4GDID
	OIL AMOUNT			cm^3 / fl.oz.	1000 / 35.2	700 / 24.6
INDOOR COIL	TUBE	MATERIAL			SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER		mm/in	7.0 / 0.276	7.0 / 0.276
		THICKNESS		mm/in	0.28 / 0.011	0.28 / 0.011
	FIN	MATERIAL			ALUMINIUM (HYDROPHILIC SLIT FIN TYPE)	ALUMINIUM (HYDROPHILIC SLIT FIN TYPE)
		THICKNESS		mm/in	0.11 / 0.0043	0.11 / 0.0043
		FACE AREA		m^2/ft^2	0.269 / 2.900	0.269 / 2.900
		ROW			2	2
		FIN PER INCH			18	18
OUTDOOR COIL	TUBE	MATERIAL			SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER		mm/in	7.0 / 0.276	7 / 0.275
		THICKNESS		mm/in	0.28 / 0.011	0.28 / 0.011
	FIN	MATERIAL			ALUMINIUM (RAISE LANCE FIN)	ALUMINIUM (RAISE LANCE)
		THICKNESS		mm/in	0.11 / 0.0043	0.11 / 0.0043
		FACE AREA		m^2/ft^2	0.52 / 5.59	0.61 / 6.52
		ROW			2	2
		FIN PER INCH			18	18
AIR QUALITY	FILTER	TYPE			NANO FILTER	NANO FILTER
		QUANTITY		pc	2	2
		SIZE	LENGTH	mm/in	351 / 13.8	351 / 13.8
			WIDTH	mm/in	386 / 15.2	386 / 15.2
			THICKNESS	mm/in	1.5 / 0.06	1.5 / 0.06
	NEGATIVE IONIZER				YES	YES
CASING	INDOOR UNIT			MATERIAL	HIGH IMPACT POLYSTYRENE	HIGH IMPACT POLYSTYRENE
				COLOUR	LIGHT GREY	LIGHT GREY
	OUTDOOR UNIT			MATERIAL	GALVANISED MILD STEEL	GALVANISED MILD STEEL
				COLOUR	LIGHT GREY	LIGHT GREY

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Component Data - Heat Pump (R22)

MODEL	INDOOR UNIT				MWM030FR	MWM030FR
	OUTDOOR UNIT				MLC028CR	MLC030CR
INDOOR FAN	TYPE				ANTI FUNGUS CROSS FLOW FAN	ANTI FUNGUS CROSS FLOW FAN
	QUANTITY				1	1
	MATERIAL				ACRYLO NITRILE STYRENE	ACRYLO NITRILE STYRENE
	DRIVE				DIRECT	DIRECT
	DIAMETER			mm/in	106 / 4.17	106 / 4.17
	LENGTH			mm/in	950 / 37.4	950 / 37.4
INDOOR FAN MOTOR	TYPE				INDUCTION	INDUCTION
	QUANTITY				1	1
	INDEX OF PROTECTION (IP)				IP24	IP24
OUTDOOR FAN	TYPE				PROPELLER	PROPELLER
	QUANTITY				1	1
	MATERIAL				GLASS REINFORCED ACRYL STYRENE RESIN	GLASS REINFORCED ACRYL STYRENE RESIN
	DRIVE				DIRECT	DIRECT
	DIAMETER			mm/in	457.2/18	610.0/24
OUTDOOR FAN MOTOR	TYPE				INDUCTION	INDUCTION
	QUANTITY				1	1
	INDEX OF PROTECTION (IP)				IP54	-
COMPRESSOR	TYPE				ROTARY HERMETIC	SCROLL
	OIL TYPE				ATMOS M60 or SUNISO 4GDID	MINERAL (Sontex 200 LT)
	OIL AMOUNT			cm³ / fl.oz.	1130 / 39.8	1240 / 43.6
INDOOR COIL	TUBE	MATERIAL			SEAMLESS INNER GROOVE COPPER	SEAMLESS COPPER TUBE
		DIAMETER		mm/in	9.52 / 0.375	9.52 / 0.375
		THICKNESS		mm/in	0.35 / 0.013	0.35 / 0.013
	FIN	MATERIAL			ALUMINIUM (HYDROPHILIC SLIT FIN TYPE)	ALUMINIUM (HYDROPHILIC SLIT FIN TYPE)
		THICKNESS		mm/in	0.11 / 0.0043	0.11 / 0.004
		FACE AREA		m²/ft²	0.291 / 3.130	0.291 / 3.130
		ROW			2	2
		FIN PER INCH			16	16
OUTDOOR COIL	TUBE	MATERIAL			SEAMLESS INNER GROOVE COPPER	SEAMLESS COPPER TUBE
		DIAMETER		mm/in	9.52 / 3/8	9.52 / 3/8
		THICKNESS		mm/in	0.33 / 0.013	0.33 / 0.013
	FIN	MATERIAL			ALUMINIUM (SLIT FIN)	ALUMINIUM (SLIT FIN)
		THICKNESS		mm/in	0.11 / 0.004	0.12 / 0.005
		FACE AREA		m²/ft²	0.61 / 6.52	0.87 / 9.33
		ROW			2	2
		FIN PER INCH			18	16
AIR QUALITY	FILTER	TYPE			SARANET + IONIZER	SARANET + IONIZER
		QUANTITY		pc	3 X 3	3 X 3
		SIZE	LENGTH	mm/in	330 / 13.0	330 / 13.0
			WIDTH	mm/in	317 / 12.4	317 / 12.4
			THICKNESS	mm/in	1.8 / 0.07	1.8 / 0.07
	NEGATIVE IONIZER				NO	NO
CASING	INDOOR UNIT			MATE-RIAL	ABS	ABS
				COLOUR	LIGHT GREY	LIGHT GREY
	OUTDOOR UNIT			MATE-RIAL	GALVANISED MILD STEEL	GALVANISED MILD STEEL
				COLOUR	LIGHT GREY	LIGHT GREY

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

Component Data - Cooling Only (R410A)

MODEL	INDOOR UNIT				M5WM07G2	M5WM09G2
	OUTDOOR UNIT				M5LC007C	M5LC010C
INDOOR FAN	TYPE				ANTI FUNGUS SKEW FAN	ANTI FUNGUS SKEW FAN
	QUANTITY				1	1
	MATERIAL				ACRYLO NITRILE STYRENE	ACRYLO NITRILE STYRENE
	DRIVE				DIRECT	DIRECT
	DIAMETER			mm/in	97 / 3.8	97 / 3.8
	LENGTH			mm/in	617.5 / 24.3	617.5 / 24.3
INDOOR FAN MOTOR	TYPE				INDUCTION	INDUCTION
	QUANTITY				1	1
	INDEX OF PROTECTION (IP)				IP24	IP24
OUTDOOR FAN	TYPE				PROPELLER	PROPELLER
	QUANTITY				1	1
	MATERIAL				GLASS REINFORCED ACRYL STYRENE RESIN	GLASS REINFORCED ACRYL STYRENE RESIN
	DRIVE				DIRECT	DIRECT
	DIAMETER			mm/in	356 / 14	356 / 14
OUTDOOR FAN MOTOR	TYPE				INDUCTION	INDUCTION
	QUANTITY				1	1
	INDEX OF PROTECTION (IP)				IP54	IP54
COMPRESSOR	TYPE				ROTARY HERMETIC	ROTARY HERMETIC
	OIL TYPE				RB68A OR FREOL ALPHA68M	RB68A OR FREOL ALPHA68M
	OIL AMOUNT			cm³ / fl.oz.	300 / 10.5	350 / 12.3
INDOOR COIL	TUBE	MATERIAL			SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER		mm/in	7.0 / 0.276	7.0 / 0.276
		THICKNESS		mm/in	0.28 / 0.011	0.28 / 0.011
	FIN	MATERIAL			ALUMINIUM (HYDROPHILIC SLIT FIN TYPE)	ALUMINIUM (HYDROPHILIC SLIT FIN TYPE)
		THICKNESS		mm/in	0.11 / 0.0043	0.11 / 0.0043
		FACE AREA		m²/ft²	0.201 / 2.161	0.201 / 2.161
		ROW			2	2
		FIN PER INCH			18	18
OUTDOOR COIL	TUBE	MATERIAL			SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER		mm/in	9.52 / 3/8	9.52 / 3/8
		THICKNESS		mm/in	0.33 / 0.013	0.33 / 0.013
	FIN	MATERIAL			ALUMINIUM (SLIT FIN)	ALUMINIUM (SLIT FIN)
		THICKNESS		mm/in	0.11/0.004	0.11/0.004
		FACE AREA		m²/ft²	0.31 / 3.40	0.36 / 3.94
		ROW			1	1
		FIN PER INCH			18	18
AIR QUALITY	FILTER	TYPE			NANO FILTER	NANO FILTER
		QUANTITY		pc	2	2
		SIZE	LENGTH	mm/in	304 / 11.9	304 / 11.9
			WIDTH	mm/in	298 / 11.7	298 / 11.7
			THICKNESS	mm/in	1.5 / 0.06	1.5 / 0.06
	NEGATIVE IONIZER				YES	YES
CASING	INDOOR UNIT			MATERIAL	HIGH IMPACT POLYSTYRENE	HIGH IMPACT POLYSTYRENE
				COLOUR	IVORY	IVORY
	OUTDOOR UNIT			MATERIAL	GALVANISED MILD STEEL	GALVANISED MILD STEEL
				COLOUR	LIGHT GREY	LIGHT GREY

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Component Data - Cooling Only (R410A)

MODEL	INDOOR UNIT			M5WM10G2	M5WM15G2
	OUTDOOR UNIT			M5LC010C	M5LC015C
INDOOR FAN	TYPE			ANTI FUNGUS SKEW FAN	ANTI FUNGUS SKEW FAN
	QUANTITY			1	1
	MATERIAL			ACRYLO NITRILE STYRENE	ACRYLO NITRILE STYRENE
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	97 / 3.8	97 / 3.8
	LENGTH		mm/in	717.5 / 28.2	717.5 / 28.2
INDOOR FAN MOTOR	TYPE			INDUCTION	INDUCTION
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			IP24	IP24
OUTDOOR FAN	TYPE			PROPELLER	PROPELLER
	QUANTITY			1	1
	MATERIAL			GLASS REINFORCED ACRYL STYRENE RESIN	GLASS REINFORCED ACRYL STYRENE RESIN
	DRIVE			DIRECT	DIRECT
	DIAMETER		mm/in	404 / 16	404 / 16
OUTDOOR FAN MOTOR	TYPE			INDUCTION	INDUCTION
	QUANTITY			1	1
	INDEX OF PROTECTION (IP)			IP24	IP24
COMPRESSOR	TYPE			ROTARY HERMETIC	ROTARY HERMETIC
	OIL TYPE			RB68A OR FREOL ALPHA68M	RB68A OR FREOL ALPHA68M
	OIL AMOUNT		cm³ / fl.oz.	350 / 12.3	430 / 15.1
INDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER	mm/in	7.0 / 0.276	7.0 / 0.276
		THICKNESS	mm/in	0.28 / 0.011	0.28 / 0.011
	FIN	MATERIAL		ALUMINIUM (HYDROPHILIC SLIT FIN TYPE)	ALUMINIUM (HYDROPHILIC SLIT FIN TYPE)
		THICKNESS	mm/in	0.11 / 0.0043	0.11 / 0.0043
		FACE AREA	m²/ft²	0.234 / 2.516	0.234 / 2.516
		ROW		2	2
		FIN PER INCH		18	18
OUTDOOR COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER	mm/in	9.52 / 3/8	9.52 / 3/8
		THICKNESS	mm/in	0.33 / 0.013	0.33 / 0.013
	FIN	MATERIAL		ALUMINIUM (SLIT FIN)	ALUMINIUM (SLIT FIN)
		THICKNESS	mm/in	0.11 / 0.004	0.11 / 0.004
		FACE AREA	m²/ft²	0.36 / 3.94	0.36 / 3.94
		ROW		1	1
		FIN PER INCH		18	18
AIR QUALITY	FILTER	TYPE		NANO FILTER	NANO FILTER
		QUANTITY	pc	2	2
		SIZE LENGTH	mm/in	304 / 11.9	304 / 11.9
		SIZE WIDTH	mm/in	348 / 13.7	348 / 13.7
		SIZE THICKNESS	mm/in	1.5 / 0.06	1.5 / 0.06
	NEGATIVE IONIZER			YES	YES
CASING	INDOOR UNIT		MATERIAL	HIGH IMPACT POLYSTYRENE	HIGH IMPACT POLYSTYRENE
			COLOUR	IVORY	IVORY
	OUTDOOR UNIT		MATERIAL	GALVANISED MILD STEEL	GALVANISED MILD STEEL
			COLOUR	LIGHT GREY	LIGHT GREY

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Component Data - Cooling Only (R410A)

MODEL	INDOOR UNIT				M5WM20G2	M5WM25G2
	OUTDOOR UNIT				M5LC020C	M5LC025C
INDOOR FAN	TYPE				ANTI FUNGUS SKEW FAN	ANTI FUNGUS SKEW FAN
	QUANTITY				1	1
	MATERIAL				ACRYLO NITRILE STYRENE	ACRYLO NITRILE STYRENE
	DRIVE				DIRECT	DIRECT
	DIAMETER			mm/in	108 / 4.25	108 / 4.25
	LENGTH			mm/in	810 / 31.9	810 / 31.9
INDOOR FAN MOTOR	TYPE				INDUCTION	INDUCTION
	QUANTITY				1	1
	INDEX OF PROTECTION (IP)				IP20	IP20
OUTDOOR FAN	TYPE				PROPELLER	PROPELLER
	QUANTITY				1	1
	MATERIAL				GLASS REINFORCED ACRYL STYRENE RESIN	GLASS REINFORCED ACRYL STYRENE RESIN
	DRIVE				DIRECT	DIRECT
	DIAMETER			mm/in	457.2 / 18	457.2 / 18
OUTDOOR FAN MOTOR	TYPE				INDUCTION	INDUCTION
	QUANTITY				1	1
	INDEX OF PROTECTION (IP)				IP54	IP54
COMPRESSOR	TYPE				ROTARY HERMETIC	ROTARY HERMETIC
	OIL TYPE				RB68A ORFREOL ALPHA68M	RB68A ORFREOL ALPHA68M
	OIL AMOUNT			cm^3 / fl.oz.	670 / 23.5	1130 / 39.7
INDOOR COIL	TUBE	MATERIAL			SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER		mm/in	7.0 / 0.276	7.0 / 0.276
		THICKNESS		mm/in	0.28 / 0.011	0.28 / 0.011
	FIN	MATERIAL			ALUMINIUM (HYDROPHILIC SLIT FIN TYPE)	ALUMINIUM (HYDROPHILIC SLIT FIN TYPE)
		THICKNESS		mm/in	0.11 / 0.0043	0.11 / 0.0043
		FACE AREA		m^2/ft^2	0.269 / 2.900	0.269 / 2.900
		ROW			2	2
		FIN PER INCH			18	18
OUTDOOR COIL	TUBE	MATERIAL			SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER		mm/in	7.0 / 0.276	7.0 / 0.276
		THICKNESS		mm/in	0.28 / 0.011	0.28 / 0.011
	FIN	MATERIAL			ALUMINIUM (CORR. FIN)	ALUMINIUM (CORR. FIN)
		THICKNESS		mm/in	0.127 / 0.005	0.127 / 0.005
		FACE AREA		m^2/ft^2	0.51 / 5.47	0.62 / 6.64
		ROW			2	2
		FIN PER INCH			18	18
AIR QUALITY	FILTER	TYPE			NANO FILTER	NANO FILTER
		QUANTITY		pc	2	2
		SIZE	LENGTH	mm/in	351/13.8	351/13.8
			WIDTH	mm/in	386 / 15.2	386 / 15.2
			THICKNESS	mm/in	1.5 / 0.06	1.5 / 0.06
	NEGATIVE IONIZER				YES	YES
CASING	INDOOR UNIT			MATERIAL	HIGH IMPACT POLYSTYRENE	HIGH IMPACT POLYSTYRENE
				COLOUR	IVORY	IVORY
	OUTDOOR UNIT			MATERIAL	GALVANISED MILD STEEL	GALVANISED MILD STEEL
				COLOUR	LIGHT GREY	LIGHT GREY

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Component Data - Cooling Only (R410A)

MODEL	**INDOOR UNIT**			**M5WM031F**	
	OUTDOOR UNIT			**M5LC028C**	
INDOOR FAN	**TYPE**			ANTI FUNGUS CROSS FLOW FAN	
	QUANTITY			1	
	MATERIAL			ACRYLO NITRILE STYRENE	
	DRIVE			DIRECT	
	DIAMETER		**mm/in**	106 / 4.17	
	LENGTH		**mm/in**	950 / 37.4	
INDOOR FAN MOTOR	**TYPE**			INDUCTION	
	QUANTITY			1	
	INDEX OF PROTECTION (IP)			IP24	
OUTDOOR FAN	**TYPE**			PROPELLER	
	QUANTITY			1	
	MATERIAL			GLASS REINFORCED ACRYL STYRENE RESIN	
	DRIVE			DIRECT	
	DIAMETER		**mm/in**	457.2 / 18	
OUTDOOR FAN MOTOR	**TYPE**			INDUCTION	
	QUANTITY			1	
	INDEX OF PROTECTION (IP)			IP54	
COMPRESSOR	**TYPE**			ROTARY HERMETIC	
	OIL TYPE			RB68A ORFREOL ALPHA68M	
	OIL AMOUNT		**cm³ / fl.oz.**	1130 / 39.7	
INDOOR COIL	**TUBE**	**MATERIAL**		SEAMLESS INNER GROOVE COPPER	
		DIAMETER	**mm/in**	7.0 / 0.276	
		THICKNESS	**mm/in**	0.28 / 0.011	
	FIN	**MATERIAL**		ALUMINIUM (HYDROPHILIC SLIT FIN TYPE)	
		THICKNESS	**mm/in**	0.11 / 0.0043	
		FACE AREA	**m²/ft²**	0.30 / 3.23	
		ROW		2	
		FIN PER INCH		18	
OUTDOOR COIL	**TUBE**	**MATERIAL**		SEAMLESS INNER GROOVE COPPER	
		DIAMETER	**mm/in**	7.0 / 0.276	
		THICKNESS	**mm/in**	0.28 / 0.011	
	FIN	**MATERIAL**		ALUMINIUM (CORR. FIN)	
		THICKNESS	**mm/in**	0.11/0.004	
		FACE AREA	**m²/ft²**	0.62 / 6.63	
		ROW		2	
		FIN PER INCH		18	
AIR QUALITY	**FILTER**	**TYPE**		SARANET + IONIZER	
		QUANTITY	**pc**	3 X 3	
		SIZE **LENGTH**	**mm/in**	330 / 13.0	
		SIZE **WIDTH**	**mm/in**	317 / 12.4	
		SIZE **THICKNESS**	**mm/in**	1.8 / 0.07	
	NEGATIVE IONIZER			NO	
CASING	**INDOOR UNIT**		**MATERIAL**	HIGH IMPACT POLYSTYRENE	
			COLOUR	IVORY	
	OUTDOOR UNIT		**MATERIAL**	GALVANISED MILD STEEL	
			COLOUR	LIGHT GREY	

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Component Data - Heat Pump (R410A)

MODEL	INDOOR UNIT				M5WM07G2R	M5WM09G2R
	OUTDOOR UNIT				M5LC007CR	M5LC010CR
INDOOR FAN	TYPE				ANTI FUNGUS SKEW FAN	CROSS FLOW FAN
	QUANTITY				1	1
	MATERIAL				ACRYLO NITRILE STYRENE	ACRYLO NITRILE STYRENE
	DRIVE				DIRECT	DIRECT
	DIAMETER			mm/in	97 / 3.8	97 / 3.8
	LENGTH			mm/in	617.5 / 24.3	617.5 / 24.3
INDOOR FAN MOTOR	TYPE				INDUCTION	INDUCTION
	QUANTITY				1	1
	INDEX OF PROTECTION (IP)				IP24	IP24
OUTDOOR FAN	TYPE				PROPELLER	PROPELLER
	QUANTITY				1	1
	MATERIAL				GLASS REINFORCED ACRYL STYRENE RESIN	GLASS REINFORCED ACRYL STYRENE RESIN
	DRIVE				DIRECT	DIRECT
	DIAMETER			mm/in	356 / 14	356 / 14
OUTDOOR FAN MOTOR	TYPE				INDUCTION	INDUCTION
	QUANTITY				1	1
	INDEX OF PROTECTION (IP)				IP54	IP54
COMPRESSOR	TYPE				ROTARY HERMETIC	ROTARY HERMETIC
	OIL TYPE				RB68A OR FREOL ALPHA68M	RB68A OR FREOL ALPHA68M
	OIL AMOUNT			cm³ / fl.oz.	300 / 10.5	350 / 12.3
INDOOR COIL	TUBE	MATERIAL			SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER		mm/in	7.0 / 0.276	7.0 / 0.276
		THICKNESS		mm/in	0.28 / 0.011	0.28 / 0.011
	FIN	MATERIAL			ALUMINIUM (HYDROPHILIC SLIT FIN TYPE)	ALUMINIUM (HYDROPHILIC SLIT FIN TYPE)
		THICKNESS		mm/in	0.11 / 0.0043	0.11 / 0.0043
		FACE AREA		m²/ft²	0.201 / 2.161	0.201 / 2.161
		ROW			2	2
		FIN PER INCH			18	18
OUTDOOR COIL	TUBE	MATERIAL			SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER		mm/in	9.52 / 3/8	7.0 / 0.276
		THICKNESS		mm/in	0.33 / 0.013	0.28 / 0.011
	FIN	MATERIAL			ALUMINIUM (SLIT FIN)	RAISE LANCE
		THICKNESS		mm/in	0.11 / 0.004	0.1 / 0.004
		FACE AREA		m²/ft²	0.31 / 3.40	0.193 / 2.112
		ROW			1	1
		FIN PER INCH			18	18
AIR QUALITY	FILTER	TYPE			NANO FILTER	NANO FILTER
		QUANTITY		pc	2	2
		SIZE	LENGTH	mm/in	304 / 11.9	304 / 11.9
			WIDTH	mm/in	298 / 11.7	298 / 11.7
			THICKNESS	mm/in	1.5 / 0.06	1.5 / 0.06
	NEGATIVE IONIZER				YES	YES
CASING	INDOOR UNIT			MATERIAL	HIGH IMPACT POLYSTYRENE	HIGH IMPACT POLYSTYRENE
				COLOUR	IVORY	IVORY
	OUTDOOR UNIT			MATERIAL	GALVANISED MILD STEEL	GALVANISED MILD STEEL
				COLOUR	LIGHT GREY	LIGHT GREY

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Component Data - Heat Pump (R410A)

MODEL	INDOOR UNIT				M5WM10G2R	M5WM15G2R
	OUTDOOR UNIT				M5LC010CR	M5LC015CR
INDOOR FAN	TYPE				ANTI FUNGUS SKEW FAN	CROSS FLOW FAN
	QUANTITY				1	1
	MATERIAL				ACRYLO NITRILE STYRENE	ACRYLO NITRILE STYRENE
	DRIVE				DIRECT	DIRECT
	DIAMETER			mm/in	97 / 3.8	97 / 3.8
	LENGTH			mm/in	717.5 / 28.2	717.5 / 28.2
INDOOR FAN MOTOR	TYPE				INDUCTION	INDUCTION
	QUANTITY				1	1
	INDEX OF PROTECTION (IP)				IP24	IP24
OUTDOOR FAN	TYPE				PROPELLER	PROPELLER
	QUANTITY				1	1
	MATERIAL				GLASS REINFORCED ACRYL STYRENE RESIN	GLASS REINFORCED ACRYL STYRENE RESIN
	DRIVE				DIRECT	DIRECT
	DIAMETER			mm/in	404 / 16	404 / 16
OUTDOOR FAN MOTOR	TYPE				INDUCTION	INDUCTION
	QUANTITY				1	1
	INDEX OF PROTECTION (IP)				IP54	IP54
COMPRESSOR	TYPE				ROTARY HERMETIC	ROTARY HERMETIC
	OIL TYPE				RB68A OR FREOL ALPHA68M	RB68A OR FREOL ALPHA68M
	OIL AMOUNT			cm³ / fl.oz.	350 / 12.3	430 / 15.1
INDOOR COIL	TUBE	MATERIAL			SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER		mm/in	7.0 / 0.276	7.0 / 0.276
		THICKNESS		mm/in	0.28 / 0.011	0.28 / 0.011
	FIN	MATERIAL			ALUMINIUM (HYDROPHILIC SLIT FIN TYPE)	ALUMINIUM (HYDROPHILIC SLIT FIN TYPE)
		THICKNESS		mm/in	0.11 / 0.0043	0.11 / 0.0043
		FACE AREA		m²/ft²	0.234 / 2.516	0.234 / 2.516
		ROW			2	2
		FIN PER INCH			18	18
OUTDOOR COIL	TUBE	MATERIAL			SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER		mm/in	7.0 / 0.276	9.52 / 3/8
		THICKNESS		mm/in	0.28 / 0.011	0.33 / 0.013
	FIN	MATERIAL			RAISE LANCE	ALUMINIUM (SLIT FIN)
		THICKNESS		mm/in	0.1 / 0.004	0.11 / 0.004
		FACE AREA		m²/ft²	0.36 / 3.94	0.36 / 3.94
		ROW			1	1
		FIN PER INCH			18	18
AIR QUALITY	FILTER	TYPE			NANO FILTER	NANO FILTER
		QUANTITY		pc	2	2
		SIZE	LENGTH	mm/in	304 / 11.9	304 / 11.9
			WIDTH	mm/in	348 / 13.7	348 / 13.7
			THICKNESS	mm/in	1.5 / 0.06	1.5 / 0.06
	NEGATIVE IONIZER				YES	YES
CASING	INDOOR UNIT			MATERIAL	HIGH IMPACT POLYSTYRENE	HIGH IMPACT POLYSTYRENE
				COLOUR	IVORY	IVORY
	OUTDOOR UNIT			MATERIAL	GALVANISED MILD STEEL	GALVANISED MILD STEEL
				COLOUR	LIGHT GREY	LIGHT GREY

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Component Data - Heat Pump (R410A)

MODEL	INDOOR UNIT				M5WM20G2R	M5WM25G2R
	OUTDOOR UNIT				M5LC020CR	M5LC025CR
INDOOR FAN	TYPE				CROSS FLOW FAN	CROSS FLOW FAN
	QUANTITY				1	1
	MATERIAL				ACRYLO NITRILE STYRENE	ACRYLO NITRILE STYRENE
	DRIVE				DIRECT	DIRECT
	DIAMETER			mm/in	108 / 4.25	108 / 4.25
	LENGTH			mm/in	810 / 31.9	810 / 31.9
INDOOR FAN MOTOR	TYPE				INDUCTION	INDUCTION
	QUANTITY				1	1
	INDEX OF PROTECTION (IP)				IP20	IP20
OUTDOOR FAN	TYPE				PROPELLER	PROPELLER
	QUANTITY				1	1
	MATERIAL				GLASS REINFORCED ACRYL STYRENE RESIN	GLASS REINFORCED ACRYL STYRENE RESIN
	DRIVE				DIRECT	DIRECT
	DIAMETER			mm/in	457.2/18	457.2/18
OUTDOOR FAN MOTOR	TYPE				INDUCTION	INDUCTION
	QUANTITY				1	1
	INDEX OF PROTECTION (IP)				IP54	IP54
COMPRESSOR	TYPE				ROTARY HERMETIC	ROTARY HERMETIC
	OIL TYPE				RB68A OR FREOL ALPHA68M	RB68A OR FREOL ALPHA68M
	OIL AMOUNT			cm^3 / fl.oz.	670 / 23.5	1130 / 39.7
INDOOR COIL	TUBE	MATERIAL			SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER		mm/in	7.0 / 0.276	7.0 / 0.276
		THICKNESS		mm/in	0.28 / 0.011	0.28 / 0.011
	FIN	MATERIAL			ALUMINIUM (HYDROPHILIC SLIT FIN TYPE)	ALUMINIUM (HYDROPHILIC SLIT FIN TYPE)
		THICKNESS		mm/in	0.11 / 0.0043	0.11 / 0.0043
		FACE AREA		m^2/ft^2	0.269 / 2.900	0.269 / 2.900
		ROW			2	2
		FIN PER INCH			18	18
OUTDOOR COIL	TUBE	MATERIAL			SEAMLESS INNER GROOVE COPPER	SEAMLESS INNER GROOVE COPPER
		DIAMETER		mm/in	7.0 / 0.276	7.0 / 0.276
		THICKNESS		mm/in	0.28 / 0.011	0.28 / 0.011
	FIN	MATERIAL			RAISE LANCE	RAISE LANCE
		THICKNESS		mm/in	0.1 / 0.004	0.1 / 0.004
		FACE AREA		m^2/ft^2	0.51 / 5.47	0.62 / 6.64
		ROW			2	2
		FIN PER INCH			18	18
AIR QUALITY	FILTER	TYPE			NANO FILTER	NANO FILTER
		QUANTITY		pc	2	2
		SIZE	LENGTH	mm/in	351 / 13.8	351 / 13.8
			WIDTH	mm/in	386 / 15.2	386 / 15.2
			THICKNESS	mm/in	1.5 / 0.06	1.5 / 0.06
	NEGATIVE IONIZER				YES	YES
CASING	INDOOR UNIT			MATERIAL	HIGH IMPACT POLYSTYRENE	HIGH IMPACT POLYSTYRENE
				COLOUR	IVORY	IVORY
	OUTDOOR UNIT			MATERIAL	GALVANISED MILD STEEL	GALVANISED MILD STEEL
				COLOUR	LIGHT GREY	LIGHT GREY

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

Component Data - Heat Pump (R410A)

MODEL	**INDOOR UNIT**			**M5WM030FR**	
	OUTDOOR UNIT			**M5LC028CR**	
INDOOR FAN	**TYPE**			ANTI FUNGUS CROSS FLOW FAN	
	QUANTITY			1	
	MATERIAL			ACRYLO NITRILE STYRENE	
	DRIVE			DIRECT	
	DIAMETER		**mm/in**	106 / 4.17	
	LENGTH		**mm/in**	950 / 37.4	
INDOOR FAN MOTOR	**TYPE**			INDUCTION	
	QUANTITY			1	
	INDEX OF PROTECTION (IP)			IP24	
OUTDOOR FAN	**TYPE**			PROPELLER	
	QUANTITY			1	
	MATERIAL			GLASS REINFORCED ACRYL STYRENE RESIN	
	DRIVE			DIRECT	
	DIAMETER		**mm/in**	457.2/18	
OUTDOOR FAN MOTOR	**TYPE**			INDUCTION	
	QUANTITY			1	
	INDEX OF PROTECTION (IP)			IP54	
COMPRESSOR	**TYPE**			ROTARY HERMETIC	
	OIL TYPE			RB68A OR FREOL ALPHA68M	
	OIL AMOUNT		**cm^3 / fl.oz.**	1130 / 39.7	
INDOOR COIL	**TUBE**	**MATERIAL**		SEAMLESS INNER GROOVE COPPER	
		DIAMETER	**mm/in**	7.0 / 0.276	
		THICKNESS	**mm/in**	0.28 / 0.011	
	FIN	**MATERIAL**		ALUMINIUM (HYDROPHILIC SLIT FIN TYPE)	
		THICKNESS	**mm/in**	0.11 / 0.0043	
		FACE AREA	**m^2/ft^2**	0.30 / 3.23	
		ROW		2	
		FIN PER INCH		18	
OUTDOOR COIL	**TUBE**	**MATERIAL**		SEAMLESS INNER GROOVE COPPER	
		DIAMETER	**mm/in**	7.0 / 0.276	
		THICKNESS	**mm/in**	0.28 / 0.011	
	FIN	**MATERIAL**		ALUMINIUM (CORR. FIN)	
		THICKNESS	**mm/in**	0.11 / 0.004	
		FACE AREA	**m^2/ft^2**	0.62 / 6.63	
		ROW		2	
		FIN PER INCH		18	
AIR QUALITY	**FILTER**	**TYPE**		SARANET + IONIZER	
		QUANTITY	**pc**	3 X 3	
		SIZE **LENGTH**	**mm/in**	330 / 13.0	
		SIZE **WIDTH**	**mm/in**	317 / 12.4	
		SIZE **THICKNESS**	**mm/in**	1.8 / 0.07	
	NEGATIVE IONIZER			NO	
CASING	**INDOOR UNIT**		**MATERIAL**	HIGH IMPACT POLYSTYRENE	
			COLOUR	IVORY	
	OUTDOOR UNIT		**MATERIAL**	GALVANISED MILD STEEL	
			COLOUR	LIGHT GREY	

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

Performance Data

Calculation Steps

Interpolation method can be used to get the total capacity, TC and sensible capacity, SC and power input, PI at those temperatures which are not stated out in the table. Extrapolation method are not allowed to be used to get the TC, SC and PI

Example:

Model: MWM07G2 – MLC007C
Indoor Condition: 25°C DB, 17°C WB
Outdoor Condition: 37°C DB
Fan speed: High

Solution:

Overall
Based on the Performance table:

1. Refer to the Indoor DB column,
   - 25°C is located between 24°C and 27°C for 16oCWB (Thus, Interpolation need to be applied)
   - 25°C is located between 24°C and 27°C for 19oCWB (Thus, Interpolation need to be applied)
2. Refer to the Indoor WB column,
   - 17°C is located between 16°CWB and 19°CWB for 25oCDB (Thus, Interpolation need to be applied)
3. Refer to the Outdoor DB column,
   - 37°C is located between 35°C and 40°C. (Thus, Interpolation need to be applied)

Please follow the steps below in order to get the required capacity.

1st Step
Interpolation of Indoor DB

Find TC, SC, PI for
(a) Indoor: ***25°C DB***, 16°C WB
Outdoor: 35°C DB

(b) Indoor: ***25°C DB***, 19°C WB
Outdoor: 35°C DB

(c) Indoor: ***25°C DB***, 16°C WB
Outdoor: 40°C DB

(d) Indoor: ***25°C DB***, 19°C WB
Outdoor: 40°C DB

2nd Step
Interpolation of Indoor WB

Find TC, SC, PI for
(a) Indoor: 25°C DB, ***17°C WB***
Outdoor: 35°C DB

(b) Indoor: 25°C DB, ***17°C WB***
Outdoor: 40°C DB

3rd Step
Interpolation of Outdoor DB

Find TC, SC, PI for
(a) Indoor: 25°C DB, 17°C WB
Outdoor: ***37°C DB***

Details:

1st Step:

To obtain the Total capacity, Sensible capacity and Power input for
(a) Indoor Condition: ***25°C DB***, 16°C WB
Outdoor Condition: 35°C DB

Indoor WB ˚C	Indoor DB ˚C		Outdoor DB, ˚C		
			35		
			TC (kW)	SHC (kW)	PI (kW)
24					
	24		1.87	1.74	0.58
	25		x_1	y_1	z_1
	27		1.92	1.92	0.58

Total capacity, TC

Interpolation Method:

$$\Rightarrow \frac{25^{o}\,C - 24^{o}\,C}{27^{o}\,C - 24^{o}\,C} = \frac{x_1 - 1.87kW}{1.92kW - 1.87kW}$$

$\Rightarrow x_1 = 1.89kW$

Sensible capacity, SHC

$$\Rightarrow \frac{25^{o}\,C - 24^{o}\,C}{27^{o}\,C - 24^{o}\,C} = \frac{y_1 - 1.74kW}{1.92kW - 1.74kW}$$

$\Rightarrow y_1 = 1.8kW$

Power Input, PI

Interpolation Method:

$$\Rightarrow \frac{25^{o}\,C - 24^{o}\,C}{27^{o}\,C - 24^{o}\,C} = \frac{z_1 - 0.58kW}{0.58kW - 0.58kW}$$

$\Rightarrow z_1 = 0.58kW$

(b) Indoor Condition: *25°C DB*, 16°C WB
Outdoor Condition: 40°C DB

Indoor WB ˚C	Indoor DB ˚C	Outdoor DB, ˚C			
			40		
			TC (kW)	SHC (kW)	PI (kW)
16					
	24		1.71	1.63	0.63
	25		X_2	Y_2	Z_2
	27		1.77	1.77	0.63

Total capacity, TC

Interpolation Method:

$$\Rightarrow \frac{25^{o}\,C - 24^{o}\,C}{27^{o}\,C - 24^{o}\,C} = \frac{x_2 - 1.71kW}{1.77kW - 1.71kW}$$

$\Rightarrow x_2 = 1.73kW$

Sensible capacity, SHC

Interpolation Method:

$$\Rightarrow \frac{25^{o}\,C - 24^{o}\,C}{27^{o}\,C - 24^{o}\,C} = \frac{y_2 - 1.63kW}{1.77kW - 1.63kW}$$

$\Rightarrow y_2 = 1.68kW$

Power Input, PI

Interpolation Method:

$$\Rightarrow \frac{25^{o}\,C - 24^{o}\,C}{27^{o}\,C - 24^{o}\,C} = \frac{z_2 - 0.63kW}{0.63kW - 0.63kW}$$

$\Rightarrow z_2 = 0.63kW$

** Repeat process (a) and (b) in 1st step for the condition below:*

(c) Indoor Condition: *25°C DB*, 19°C WB
Outdoor Condition: 35°C DB

$\Rightarrow x_3 = 2.04kW$
$\Rightarrow y_3 = 1.45kW$
$\Rightarrow z_3 = 0.59kW$

(d) Indoor Condition: *25°C DB*, 19°C WB
Outdoor Condition: 40°C DB

$\Rightarrow x_4 = 1.87kW$
$\Rightarrow y_4 = 1.35kW$
$\Rightarrow z_4 = 0.64kW$

2nd Step:

To obtain the Total capacity, Sensible capacity and Power input for
(a) Indoor Condition: 25°C DB, *17°C WB*
Outdoor Condition: 35°C DB

Indoor WB ˚C	Indoor DB ˚C	Outdoor DB, ˚C			
			35		
			TC (kW)	SHC (kW)	PI (kW)
			⋮	⋮	
16			1.89	1.8	0.58
17	**25**	.....	X_5	X_5	X_5
19			2.04	1.45	0.59

Total capacity, TC

Interpolation Method:

$$\Rightarrow \frac{17^{o}\,C - 16^{o}\,C}{19^{o}\,C - 16^{o}\,C} = \frac{x_5 - 1.89kW}{2.04kW - 1.89kW}$$

$\Rightarrow x_5 = 1.94kW$

Sensible capacity, SHC

$$\Rightarrow \frac{17^{o}\,C - 16^{o}\,C}{19^{o}\,C - 16^{o}\,C} = \frac{y_5 - 1.8kW}{1.45kW - 1.8kW}$$

$\Rightarrow y_5 = 1.68kW$

Power Input, PI

Interpolation Method:

$$\Rightarrow \frac{17^{o}\,C - 16^{o}\,C}{19^{o}\,C - 16^{o}\,C} = \frac{z_5 - 0.58kW}{0.59kW - 0.58kW}$$

$\Rightarrow z_5 = 0.58kW$

(b) Indoor Condition: 25°C DB, ***17°C WB***
Outdoor Condition: 40°C DB

Indoor WB ˚C	Indoor DB ˚C	Outdoor DB, ˚C			
			40		
			TC (kW)	SHC (kW)	PI (kW)
20	**15**		1.73	1.68	0.63
23	**15**		X_6	X_6	Z_6
24	**15**		1.87	1.35	0.64

Total capacity, TC

Interpolation Method:

$$\Rightarrow \frac{17^{o}\,C - 16^{o}\,C}{18^{o}\,C - 16^{o}\,C} = \frac{z_5 - 1.73kW}{1.87kW - 1.73kW}$$

$\Rightarrow x_6 = 1.78kW$

Sensible capacity, SHC

Interpolation Method:

$$\Rightarrow \frac{17^{o}\,C - 16^{o}\,C}{19^{o}\,C - 16^{o}\,C} = \frac{y_5 - 1.68kW}{1.35kW - 1.68kW}$$

$\Rightarrow y_6 = 1.24kW$

Power Input, PI

Interpolation Method:

$$\Rightarrow \frac{17^{o}\,C - 16^{o}\,C}{19^{o}\,C - 16^{o}\,C} = \frac{z_5 - 0.63kW}{0.64kW - 0.63kW}$$

$\Rightarrow z_6 = 0.63kW$

3rd Step:

To obtain the Total capacity and Sensible capacity for
(a) Indoor Condition: 25°C DB, 17°C WB
Outdoor Condition: 37°C DB

Indoor WB, ˚C	Indoor DB, ˚C	Outdoor DB, ˚C									
			35			37			40		
			TC (kW)	SHC (kW)	PI (kW)	TC (kW)	SHC (kW)	PI (kW)	TC (kW)	SHC (kW)	PI (kW)
25	**17**	.....	1.94	1.68	0.58	x	y	z	1.78	1.24	0.63

Total capacity, TC

Interpolation Method:

$$\Rightarrow \frac{37^{o}\,C - 35^{o}\,C}{40^{o}\,C - 35^{o}\,C} = \frac{x - 1.94kW}{1.78kW - 1.94kW}$$

$\Rightarrow x = 1.88kW$

Sensible capacity, SHC

Interpolation Method:

$$\Rightarrow \frac{37^{o}\,C - 35^{o}\,C}{40^{o}\,C - 35^{o}\,C} = \frac{y - 1.68kW}{1.24kW - 1.68kW}$$

$\Rightarrow y_6 = 1.50kW$

Power Input, PI

Interpolation Method:

$$\Rightarrow \frac{37^{o}\,C - 35^{o}\,C}{40^{o}\,C - 35^{o}\,C} = \frac{z - 0.58kW}{0.63kW - 0.58kW}$$

$\Rightarrow z = 0.60kW$

Cooling Only (R22)

Model: MWM07G2 - MLC007C
Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
180	16°C	21°C	1.93	1.42	0.45	1.86	1.38	0.48	1.80	1.35	0.53	1.72	1.31	0.57	1.58	1.22	0.62	1.46	1.15	0.68
		24°C	1.94	1.70	0.45	1.87	1.66	0.48	1.80	1.63	0.53	1.73	1.58	0.57	1.59	1.48	0.62	1.47	1.40	0.68
		27°C	1.95	1.93	0.45	1.89	1.89	0.49	1.82	1.82	0.53	1.75	1.75	0.57	1.62	1.62	0.62	1.50	1.50	0.68
		30°C	2.01	2.01	0.45	1.95	1.95	0.49	1.89	1.89	0.53	1.83	1.83	0.58	1.70	1.70	0.62	1.59	1.59	0.69
	19°C	24°C	2.13	1.33	0.46	2.06	1.29	0.49	1.98	1.26	0.53	1.90	1.22	0.58	1.75	1.14	0.63	1.62	1.07	0.69
		27°C	2.13	1.52	0.46	2.06	1.48	0.49	1.98	1.45	0.53	1.90	1.42	0.58	1.75	1.32	0.63	1.62	1.25	0.69
		30°C	2.14	1.87	0.46	2.06	1.83	0.49	1.99	1.79	0.53	1.91	1.75	0.58	1.76	1.64	0.63	1.64	1.55	0.69
		33°C	2.16	2.16	0.46	2.09	2.09	0.49	2.02	2.02	0.54	1.95	1.95	0.58	1.81	1.81	0.63	1.69	1.69	0.70
	22°C	27°C	2.35	1.30	0.46	2.26	1.27	0.50	2.18	1.24	0.54	2.10	1.20	0.59	1.93	1.12	0.64	1.78	1.06	0.71
		30°C	2.35	1.58	0.46	2.27	1.55	0.50	2.18	1.51	0.54	2.10	1.48	0.59	1.93	1.38	0.64	1.79	1.31	0.71
		33°C	2.35	1.85	0.46	2.27	1.81	0.50	2.18	1.78	0.54	2.10	1.74	0.59	1.93	1.63	0.64	1.79	1.55	0.71
		36°C	2.35	2.10	0.46	2.28	2.06	0.50	2.20	2.01	0.55	2.12	1.97	0.59	1.95	1.85	0.64	1.82	1.75	0.71
220	16°C	21°C	2.01	1.48	0.45	1.94	1.45	0.49	1.87	1.41	0.53	1.79	1.37	0.57	1.64	1.27	0.62	1.51	1.20	0.69
		24°C	2.02	1.80	0.45	1.94	1.76	0.49	1.87	1.72	0.53	1.80	1.67	0.57	1.65	1.56	0.62	1.53	1.47	0.69
		27°C	2.04	2.04	0.45	1.97	1.97	0.49	1.90	1.90	0.53	1.84	1.84	0.58	1.70	1.70	0.63	1.58	1.58	0.69
		30°C	2.13	2.13	0.46	2.07	2.07	0.49	2.00	2.00	0.54	1.94	1.94	0.58	1.79	1.79	0.63	1.68	1.68	0.70
	19°C	24°C	2.22	1.40	0.46	2.14	1.37	0.50	2.06	1.33	0.54	1.97	1.30	0.58	1.81	1.21	0.63	1.67	1.14	0.70
		27°C	2.22	1.62	0.46	2.14	1.58	0.50	2.06	1.54	0.54	1.98	1.51	0.58	1.82	1.41	0.63	1.68	1.33	0.70
		30°C	2.23	1.99	0.46	2.15	1.95	0.50	2.08	1.91	0.54	2.00	1.86	0.59	1.84	1.74	0.64	1.71	1.64	0.70
		33°C	2.27	2.27	0.46	2.20	2.20	0.50	2.13	2.13	0.54	2.06	2.06	0.59	1.91	1.91	0.64	1.78	1.78	0.71
	22°C	27°C	2.43	1.37	0.47	2.35	1.34	0.51	2.26	1.31	0.55	2.17	1.27	0.60	2.00	1.19	0.65	1.85	1.12	0.71
		30°C	2.44	1.69	0.47	2.35	1.65	0.51	2.26	1.61	0.55	2.17	1.58	0.60	2.00	1.48	0.65	1.85	1.40	0.71
		33°C	2.44	1.98	0.47	2.36	1.94	0.51	2.27	1.90	0.55	2.18	1.86	0.60	2.01	1.74	0.65	1.86	1.65	0.71
		36°C	2.46	2.23	0.47	2.38	2.19	0.51	2.29	2.15	0.55	2.21	2.10	0.60	2.04	1.96	0.65	1.90	1.85	0.72
250	16°C	21°C	2.09	1.55	0.46	2.01	1.51	0.49	1.93	1.47	0.53	1.85	1.43	0.58	1.70	1.33	0.63	1.57	1.25	0.69
		24°C	2.10	1.88	0.46	2.02	1.84	0.49	1.94	1.79	0.53	1.87	1.74	0.58	1.71	1.63	0.63	1.58	1.53	0.69
		27°C	2.13	2.13	0.46	2.06	2.06	0.50	1.99	1.99	0.54	1.92	1.92	0.58	1.77	1.77	0.63	1.65	1.65	0.70
		30°C	2.24	2.24	0.46	2.17	2.17	0.50	2.10	2.10	0.54	2.04	2.04	0.59	1.88	1.88	0.64	1.76	1.76	0.71
	19°C	24°C	2.30	1.48	0.46	2.21	1.45	0.50	2.13	1.41	0.54	2.04	1.37	0.59	1.87	1.28	0.64	1.73	1.21	0.70
		27°C	2.30	1.72	0.46	2.22	1.68	0.50	2.14	1.64	0.54	2.05	1.60	0.59	1.88	1.50	0.64	1.74	1.41	0.71
		30°C	2.32	2.11	0.46	2.24	2.07	0.50	2.16	2.02	0.55	2.08	1.97	0.59	1.91	1.84	0.64	1.77	1.73	0.71
		33°C	2.37	2.37	0.47	2.30	2.30	0.51	2.23	2.23	0.55	2.16	2.16	0.60	2.00	2.00	0.65	1.87	1.87	0.72
	22°C	27°C	2.52	1.45	0.47	2.43	1.42	0.51	2.34	1.38	0.55	2.24	1.35	0.60	2.06	1.26	0.65	1.90	1.19	0.72
		30°C	2.52	1.79	0.47	2.43	1.76	0.51	2.34	1.72	0.55	2.25	1.68	0.60	2.07	1.57	0.65	1.91	1.49	0.72
		33°C	2.53	2.10	0.47	2.45	2.06	0.51	2.36	2.02	0.56	2.26	1.97	0.60	2.08	1.85	0.65	1.93	1.76	0.72
		36°C	2.56	2.37	0.47	2.48	2.33	0.51	2.39	2.28	0.56	2.30	2.22	0.61	2.13	2.07	0.66	1.99	1.95	0.72

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (ºC)
EDB: Entering Dry Bulb Temp. (ºC)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 0 ºC to 46ºC withoutpressure trip.

Cooling Only (R22)

Model: MWM09G2 - MLC009C
Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
175	16°C	21°C	2.49	1.78	0.70	2.40	1.74	0.76	2.31	1.69	0.82	2.22	1.64	0.89	2.04	1.53	0.96	1.88	1.44	1.06
		24°C	2.49	2.14	0.70	2.40	2.09	0.76	2.31	2.04	0.82	2.22	1.99	0.89	2.04	1.86	0.96	1.89	1.75	1.06
		27°C	2.51	2.42	0.70	2.43	2.37	0.76	2.34	2.31	0.82	2.25	2.25	0.89	2.08	2.08	0.97	1.94	1.94	1.06
		30°C	2.59	2.59	0.70	2.51	2.51	0.76	2.44	2.44	0.83	2.36	2.36	0.90	2.19	2.19	0.97	2.05	2.05	1.08
	19°C	24°C	2.74	1.66	0.71	2.65	1.62	0.77	2.55	1.58	0.83	2.45	1.54	0.90	2.25	1.43	0.98	2.08	1.35	1.08
		27°C	2.75	1.90	0.71	2.65	1.86	0.77	2.55	1.82	0.83	2.45	1.78	0.90	2.25	1.66	0.98	2.08	1.57	1.08
		30°C	2.75	2.35	0.71	2.66	2.30	0.77	2.56	2.25	0.83	2.46	2.20	0.90	2.27	2.05	0.98	2.11	1.94	1.08
		33°C	2.78	2.78	0.71	2.69	2.69	0.77	2.61	2.61	0.84	2.52	2.52	0.91	2.33	2.33	0.98	2.18	2.18	1.09
	22°C	27°C	3.02	1.63	0.72	2.91	1.59	0.78	2.81	1.55	0.85	2.70	1.51	0.92	2.48	1.41	1.00	2.30	1.32	1.10
		30°C	3.02	1.99	0.72	2.92	1.94	0.78	2.81	1.90	0.85	2.70	1.85	0.92	2.48	1.74	1.00	2.30	1.65	1.10
		33°C	3.02	2.32	0.72	2.92	2.28	0.78	2.81	2.23	0.85	2.70	2.18	0.92	2.49	2.05	1.00	2.30	1.95	1.10
		36°C	3.03	2.63	0.72	2.93	2.58	0.78	2.83	2.52	0.85	2.73	2.47	0.92	2.51	2.31	1.00	2.34	2.20	1.10
225	16°C	21°C	2.59	1.86	0.70	2.50	1.81	0.76	2.40	1.76	0.83	2.30	1.72	0.89	2.11	1.60	0.97	1.95	1.50	1.07
		24°C	2.60	2.26	0.70	2.50	2.21	0.76	2.41	2.15	0.83	2.31	2.10	0.90	2.13	1.96	0.97	1.96	1.85	1.07
		27°C	2.63	2.57	0.71	2.54	2.51	0.76	2.45	2.44	0.83	2.36	2.36	0.90	2.18	2.18	0.98	2.03	2.03	1.08
		30°C	2.74	2.74	0.71	2.66	2.66	0.77	2.58	2.58	0.84	2.49	2.49	0.91	2.31	2.31	0.99	2.16	2.16	1.09
	19°C	24°C	2.85	1.76	0.72	2.75	1.72	0.77	2.65	1.67	0.84	2.54	1.63	0.91	2.33	1.51	0.99	2.16	1.43	1.09
		27°C	2.86	2.03	0.72	2.76	1.98	0.78	2.65	1.94	0.84	2.55	1.89	0.91	2.34	1.77	0.99	2.16	1.67	1.09
		30°C	2.87	2.50	0.72	2.77	2.45	0.78	2.67	2.39	0.84	2.57	2.33	0.91	2.37	2.18	0.99	2.20	2.06	1.09
		33°C	2.92	2.92	0.72	2.83	2.83	0.78	2.74	2.74	0.85	2.65	2.65	0.92	2.45	2.45	1.00	2.29	2.29	1.10
	22°C	27°C	3.13	1.72	0.73	3.02	1.68	0.79	2.91	1.64	0.86	2.80	1.60	0.93	2.57	1.49	1.01	2.38	1.40	1.11
		30°C	3.14	2.12	0.73	3.03	2.07	0.79	2.92	2.03	0.86	2.80	1.98	0.93	2.57	1.85	1.01	2.38	1.76	1.11
		33°C	3.14	2.48	0.73	3.03	2.43	0.79	2.92	2.38	0.86	2.81	2.33	0.93	2.58	2.19	1.01	2.39	2.08	1.11
		36°C	3.16	2.80	0.73	3.06	2.75	0.79	2.95	2.69	0.86	2.85	2.63	0.93	2.63	2.46	1.01	2.45	2.32	1.12
275	16°C	21°C	2.69	1.94	0.71	2.59	1.89	0.77	2.49	1.84	0.83	2.38	1.79	0.90	2.19	1.67	0.98	2.02	1.57	1.08
		24°C	2.70	2.36	0.71	2.60	2.30	0.77	2.50	2.25	0.83	2.40	2.19	0.90	2.21	2.04	0.98	2.04	1.93	1.08
		27°C	2.74	2.70	0.71	2.65	2.63	0.77	2.56	2.56	0.84	2.47	2.47	0.91	2.28	2.28	0.99	2.13	2.13	1.09
		30°C	2.88	2.88	0.72	2.80	2.80	0.78	2.71	2.71	0.85	2.62	2.62	0.92	2.43	2.43	1.00	2.27	2.27	1.10
	19°C	24°C	2.96	1.86	0.72	2.85	1.82	0.78	2.74	1.77	0.85	2.63	1.72	0.92	2.41	1.61	1.00	2.23	1.51	1.10
		27°C	2.96	2.16	0.72	2.86	2.11	0.78	2.75	2.06	0.85	2.64	2.01	0.92	2.42	1.88	1.00	2.24	1.78	1.10
		30°C	2.99	2.65	0.72	2.88	2.59	0.78	2.78	2.54	0.85	2.67	2.47	0.92	2.46	2.31	1.00	2.29	2.18	1.10
		33°C	3.05	3.05	0.73	2.96	2.96	0.79	2.87	2.87	0.86	2.78	2.78	0.93	2.57	2.57	1.01	2.41	2.41	1.11
	22°C	27°C	3.24	1.82	0.74	3.13	1.78	0.80	3.01	1.74	0.86	2.89	1.69	0.94	2.65	1.58	1.02	2.45	1.49	1.12
		30°C	3.25	2.25	0.74	3.13	2.20	0.80	3.02	2.16	0.86	2.90	2.11	0.94	2.66	1.97	1.02	2.46	1.87	1.12
		33°C	3.26	2.63	0.74	3.15	2.59	0.80	3.03	2.53	0.87	2.91	2.48	0.94	2.68	2.32	1.02	2.48	2.20	1.12
		36°C	3.29	2.97	0.74	3.19	2.92	0.80	3.08	2.85	0.87	2.97	2.78	0.94	2.74	2.60	1.02	2.56	2.44	1.13

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (ºC)
EDB: Entering Dry Bulb Temp. (ºC)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 0 ºC to 46ºC withoutpressure trip.

Cooling Only (R22)

Model: MWM10G2 - MLC010C
Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
200	16°C	21°C	2.62	1.90	0.65	2.53	1.85	0.71	2.43	1.80	0.77	2.34	1.75	0.83	2.15	1.63	0.90	1.98	1.53	0.99
		24°C	2.62	2.28	0.65	2.53	2.23	0.71	2.44	2.17	0.77	2.34	2.12	0.83	2.15	1.98	0.90	1.99	1.87	0.99
		27°C	2.64	2.58	0.65	2.56	2.53	0.71	2.47	2.47	0.77	2.37	2.37	0.83	2.19	2.19	0.90	2.04	2.04	1.00
		30°C	2.73	2.73	0.66	2.65	2.65	0.71	2.57	2.57	0.77	2.48	2.48	0.84	2.30	2.30	0.91	2.15	2.15	1.01
	19°C	24°C	2.89	1.78	0.66	2.79	1.73	0.72	2.69	1.69	0.78	2.58	1.64	0.84	2.37	1.53	0.92	2.19	1.44	1.01
		27°C	2.89	2.03	0.66	2.79	1.99	0.72	2.69	1.94	0.78	2.58	1.89	0.84	2.37	1.77	0.92	2.20	1.68	1.01
		30°C	2.90	2.51	0.66	2.80	2.46	0.72	2.70	2.40	0.78	2.60	2.34	0.85	2.39	2.19	0.92	2.22	2.07	1.01
		33°C	2.93	2.93	0.67	2.84	2.84	0.72	2.74	2.74	0.78	2.65	2.65	0.85	2.45	2.45	0.92	2.29	2.29	1.02
	22°C	27°C	3.18	1.74	0.68	3.07	1.70	0.73	2.96	1.65	0.79	2.84	1.61	0.86	2.61	1.50	0.93	2.42	1.41	1.03
		30°C	3.18	2.12	0.68	3.07	2.07	0.73	2.96	2.03	0.79	2.84	1.98	0.86	2.61	1.85	0.93	2.42	1.76	1.03
		33°C	3.18	2.48	0.68	3.07	2.43	0.73	2.96	2.38	0.79	2.85	2.33	0.86	2.62	2.19	0.93	2.43	2.08	1.03
		36°C	3.19	2.81	0.68	3.09	2.75	0.73	2.98	2.69	0.80	2.87	2.63	0.86	2.65	2.47	0.94	2.46	2.34	1.03
250	16°C	21°C	2.73	1.99	0.66	2.63	1.93	0.71	2.53	1.88	0.77	2.43	1.83	0.84	2.23	1.70	0.91	2.05	1.60	1.00
		24°C	2.74	2.41	0.66	2.64	2.35	0.71	2.54	2.30	0.77	2.44	2.24	0.84	2.24	2.09	0.91	2.07	1.97	1.00
		27°C	2.77	2.74	0.66	2.68	2.67	0.72	2.58	2.58	0.78	2.49	2.49	0.84	2.30	2.30	0.91	2.14	2.14	1.01
		30°C	2.88	2.88	0.67	2.80	2.80	0.72	2.71	2.71	0.78	2.63	2.63	0.85	2.43	2.43	0.92	2.27	2.27	1.02
	19°C	24°C	3.00	1.88	0.67	2.90	1.83	0.73	2.79	1.78	0.79	2.68	1.73	0.85	2.46	1.62	0.92	2.27	1.52	1.02
		27°C	3.01	2.16	0.67	2.90	2.12	0.73	2.79	2.07	0.79	2.68	2.02	0.85	2.46	1.89	0.92	2.28	1.79	1.02
		30°C	3.02	2.67	0.67	2.92	2.61	0.73	2.81	2.55	0.79	2.71	2.49	0.85	2.49	2.33	0.93	2.31	2.20	1.02
		33°C	3.07	3.07	0.67	2.98	2.98	0.73	2.89	2.89	0.79	2.79	2.79	0.86	2.58	2.58	0.93	2.42	2.42	1.03
	22°C	27°C	3.30	1.84	0.68	3.18	1.80	0.74	3.07	1.75	0.80	2.94	1.70	0.87	2.71	1.59	0.94	2.50	1.50	1.04
		30°C	3.31	2.26	0.68	3.19	2.21	0.74	3.07	2.16	0.80	2.95	2.11	0.87	2.71	1.98	0.94	2.51	1.88	1.04
		33°C	3.31	2.64	0.68	3.20	2.59	0.74	3.08	2.54	0.80	2.96	2.49	0.87	2.72	2.33	0.94	2.52	2.21	1.04
		36°C	3.33	2.99	0.68	3.22	2.93	0.74	3.11	2.87	0.80	3.00	2.80	0.87	2.77	2.62	0.95	2.58	2.48	1.04
300	16°C	21°C	2.83	2.07	0.66	2.72	2.02	0.72	2.62	1.97	0.78	2.51	1.91	0.84	2.30	1.78	0.92	2.12	1.68	1.01
		24°C	2.84	2.52	0.67	2.74	2.46	0.72	2.64	2.40	0.78	2.53	2.33	0.85	2.32	2.18	0.92	2.15	2.05	1.01
		27°C	2.89	2.89	0.67	2.79	2.79	0.72	2.70	2.70	0.78	2.60	2.60	0.85	2.41	2.41	0.92	2.24	2.24	1.02
		30°C	3.03	3.03	0.67	2.94	2.94	0.73	2.85	2.85	0.79	2.76	2.76	0.86	2.56	2.56	0.93	2.39	2.39	1.03
	19°C	24°C	3.11	1.99	0.68	3.00	1.94	0.73	2.89	1.89	0.79	2.77	1.84	0.86	2.54	1.71	0.93	2.35	1.62	1.03
		27°C	3.12	2.30	0.68	3.01	2.25	0.73	2.90	2.19	0.79	2.78	2.14	0.86	2.55	2.00	0.93	2.36	1.89	1.03
		30°C	3.15	2.83	0.68	3.04	2.77	0.73	2.93	2.70	0.79	2.82	2.64	0.86	2.59	2.46	0.94	2.41	2.32	1.03
		33°C	3.22	3.22	0.68	3.12	3.12	0.74	3.03	3.03	0.80	2.93	2.93	0.87	2.71	2.71	0.94	2.54	2.54	1.04
	22°C	27°C	3.42	1.94	0.69	3.29	1.90	0.75	3.17	1.85	0.81	3.04	1.81	0.88	2.80	1.68	0.95	2.58	1.59	1.05
		30°C	3.42	2.40	0.69	3.30	2.35	0.75	3.18	2.30	0.81	3.05	2.25	0.88	2.80	2.11	0.95	2.59	2.00	1.05
		33°C	3.43	2.81	0.69	3.32	2.76	0.75	3.19	2.70	0.81	3.07	2.64	0.88	2.82	2.48	0.95	2.62	2.35	1.05
		36°C	3.47	3.17	0.69	3.36	3.11	0.75	3.24	3.05	0.81	3.12	2.97	0.88	2.89	2.77	0.96	2.69	2.61	1.06

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (ºC)
EDB: Entering Dry Bulb Temp. (ºC)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 0 ºC to 46ºC withoutpressure trip.

Cooling Only (R22)

Model: MWM15G2 - MLC015C
Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
220	16°C	21°C	3.32	2.28	0.91	3.20	2.22	0.99	3.08	2.16	1.07	2.96	2.10	1.16	2.72	1.96	1.26	2.51	1.84	1.38
		24°C	3.32	2.73	0.91	3.20	2.67	0.99	3.09	2.61	1.07	2.96	2.55	1.16	2.72	2.38	1.26	2.52	2.24	1.39
		27°C	3.35	3.10	0.91	3.24	3.03	0.99	3.12	2.96	1.07	3.01	2.88	1.16	2.77	2.68	1.26	2.58	2.52	1.39
		30°C	3.45	3.45	0.92	3.35	3.35	0.99	3.25	3.25	1.08	3.15	3.15	1.17	2.92	2.92	1.27	2.73	2.73	1.40
	19°C	24°C	3.66	2.13	0.93	3.53	2.08	1.00	3.40	2.02	1.09	3.27	1.97	1.18	3.00	1.83	1.28	2.78	1.72	1.41
		27°C	3.66	2.44	0.93	3.53	2.38	1.00	3.40	2.33	1.09	3.27	2.27	1.18	3.01	2.13	1.28	2.78	2.01	1.41
		30°C	3.67	3.01	0.93	3.54	2.95	1.00	3.42	2.88	1.09	3.29	2.81	1.18	3.03	2.63	1.28	2.81	2.49	1.41
		33°C	3.71	3.71	0.93	3.59	3.59	1.01	3.47	3.47	1.09	3.36	3.36	1.18	3.10	3.10	1.29	2.90	2.90	1.42
	22°C	27°C	4.03	2.09	0.94	3.89	2.04	1.02	3.75	1.99	1.11	3.60	1.93	1.20	3.31	1.80	1.30	3.06	1.70	1.44
		30°C	4.03	2.54	0.94	3.89	2.49	1.02	3.75	2.43	1.11	3.60	2.37	1.20	3.31	2.22	1.30	3.06	2.11	1.44
		33°C	4.03	2.97	0.94	3.89	2.91	1.02	3.75	2.86	1.11	3.60	2.80	1.20	3.31	2.63	1.30	3.07	2.49	1.44
		36°C	4.04	3.37	0.94	3.91	3.30	1.02	3.77	3.23	1.11	3.64	3.16	1.20	3.35	2.96	1.31	3.12	2.81	1.44
285	16°C	21°C	3.45	2.38	0.92	3.33	2.32	0.99	3.20	2.26	1.08	3.07	2.20	1.17	2.82	2.05	1.27	2.60	1.92	1.40
		24°C	3.46	2.89	0.92	3.34	2.83	1.00	3.21	2.76	1.08	3.08	2.69	1.17	2.83	2.51	1.27	2.62	2.37	1.40
		27°C	3.51	3.29	0.92	3.39	3.21	1.00	3.27	3.13	1.08	3.15	3.03	1.17	2.91	2.82	1.27	2.71	2.64	1.41
		30°C	3.65	3.65	0.93	3.55	3.55	1.01	3.44	3.44	1.09	3.33	3.33	1.18	3.08	3.08	1.29	2.88	2.88	1.42
	19°C	24°C	3.80	2.25	0.93	3.67	2.20	1.01	3.53	2.14	1.10	3.39	2.08	1.19	3.11	1.94	1.29	2.88	1.83	1.42
		27°C	3.81	2.60	0.94	3.67	2.54	1.01	3.54	2.48	1.10	3.40	2.42	1.19	3.12	2.27	1.29	2.88	2.14	1.42
		30°C	3.83	3.20	0.94	3.70	3.13	1.01	3.56	3.06	1.10	3.43	2.99	1.19	3.16	2.80	1.29	2.93	2.64	1.43
		33°C	3.89	3.89	0.94	3.77	3.77	1.02	3.65	3.65	1.10	3.53	3.53	1.20	3.27	3.27	1.30	3.06	3.06	1.44
	22°C	27°C	4.18	2.21	0.95	4.03	2.16	1.03	3.88	2.10	1.12	3.73	2.04	1.21	3.43	1.91	1.32	3.17	1.80	1.45
		30°C	4.18	2.71	0.95	4.04	2.65	1.03	3.89	2.59	1.12	3.73	2.53	1.21	3.43	2.37	1.32	3.17	2.25	1.45
		33°C	4.19	3.17	0.95	4.05	3.11	1.03	3.90	3.05	1.12	3.74	2.99	1.21	3.45	2.80	1.32	3.19	2.66	1.45
		36°C	4.22	3.59	0.95	4.08	3.52	1.03	3.94	3.45	1.12	3.80	3.37	1.22	3.50	3.15	1.32	3.27	2.97	1.46
345	16°C	21°C	3.58	2.49	0.93	3.45	2.42	1.00	3.32	2.36	1.09	3.18	2.29	1.18	2.92	2.14	1.28	2.69	2.01	1.41
		24°C	3.60	3.02	0.93	3.47	2.95	1.00	3.34	2.88	1.09	3.20	2.80	1.18	2.94	2.62	1.28	2.72	2.47	1.41
		27°C	3.66	3.46	0.93	3.54	3.37	1.01	3.42	3.28	1.09	3.30	3.18	1.19	3.05	2.94	1.29	2.84	2.75	1.42
		30°C	3.84	3.84	0.94	3.73	3.73	1.02	3.61	3.61	1.10	3.49	3.49	1.20	3.24	3.24	1.30	3.02	3.02	1.44
	19°C	24°C	3.94	2.39	0.94	3.80	2.33	1.02	3.65	2.27	1.11	3.51	2.21	1.20	3.22	2.06	1.30	2.97	1.94	1.43
		27°C	3.95	2.76	0.94	3.81	2.70	1.02	3.67	2.63	1.11	3.52	2.57	1.20	3.23	2.40	1.30	2.99	2.27	1.43
		30°C	3.99	3.40	0.95	3.84	3.32	1.02	3.71	3.25	1.11	3.57	3.17	1.20	3.28	2.96	1.31	3.05	2.79	1.44
		33°C	4.07	4.07	0.95	3.95	3.95	1.03	3.83	3.83	1.12	3.70	3.70	1.21	3.43	3.43	1.32	3.21	3.21	1.45
	22°C	27°C	4.33	2.33	0.96	4.17	2.28	1.04	4.01	2.23	1.13	3.85	2.17	1.22	3.54	2.02	1.33	3.27	1.91	1.46
		30°C	4.33	2.88	0.96	4.18	2.82	1.04	4.02	2.76	1.13	3.86	2.70	1.22	3.55	2.53	1.33	3.28	2.40	1.46
		33°C	4.35	3.37	0.96	4.20	3.31	1.04	4.04	3.24	1.13	3.89	3.17	1.23	3.57	2.97	1.33	3.31	2.82	1.46
		36°C	4.39	3.81	0.96	4.25	3.74	1.05	4.10	3.66	1.13	3.96	3.57	1.23	3.66	3.33	1.34	3.41	3.13	1.47

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (ºC)
EDB: Entering Dry Bulb Temp. (ºC)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 0 ºC to 46ºC withoutpressure trip.

Cooling Only (R22)

Model: MWM20G2 - MLC018C
Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
340	16°C	21°C	4.98	3.29	1.38	4.80	3.20	1.50	4.62	3.11	1.62	4.44	3.03	1.76	4.07	2.82	1.91	3.76	2.65	2.10
		24°C	4.98	3.94	1.38	4.81	3.85	1.50	4.63	3.76	1.62	4.44	3.66	1.76	4.08	3.42	1.91	3.78	3.23	2.10
		27°C	5.02	4.46	1.39	4.86	4.36	1.50	4.69	4.26	1.62	4.51	4.15	1.76	4.16	3.86	1.91	3.87	3.63	2.11
		30°C	5.18	5.18	1.39	5.03	5.03	1.51	4.88	4.88	1.63	4.72	4.72	1.77	4.38	4.38	1.93	4.09	4.09	2.13
	19°C	24°C	5.49	3.07	1.40	5.30	2.99	1.52	5.10	2.91	1.65	4.90	2.83	1.79	4.50	2.63	1.94	4.16	2.48	2.14
		27°C	5.49	3.51	1.40	5.30	3.43	1.52	5.11	3.35	1.65	4.91	3.27	1.79	4.51	3.06	1.94	4.17	2.90	2.14
		30°C	5.50	4.33	1.41	5.31	4.24	1.52	5.12	4.15	1.65	4.93	4.05	1.79	4.54	3.78	1.94	4.21	3.58	2.14
		33°C	5.57	5.57	1.41	5.39	5.39	1.53	5.21	5.21	1.65	5.03	5.03	1.80	4.66	4.66	1.95	4.35	4.35	2.15
	22°C	27°C	6.04	3.00	1.43	5.83	2.93	1.55	5.62	2.86	1.68	5.40	2.78	1.82	4.96	2.59	1.98	4.60	2.44	2.18
		30°C	6.04	3.66	1.43	5.83	3.58	1.55	5.62	3.50	1.68	5.40	3.42	1.82	4.97	3.20	1.98	4.60	3.03	2.18
		33°C	6.05	4.27	1.43	5.84	4.19	1.55	5.62	4.11	1.68	5.40	4.02	1.82	4.97	3.78	1.98	4.61	3.59	2.18
		36°C	6.06	4.85	1.43	5.86	4.75	1.55	5.66	4.65	1.68	5.46	4.55	1.83	5.03	4.26	1.98	4.68	4.05	2.18
410	16°C	21°C	5.18	3.43	1.40	4.99	3.34	1.51	4.80	3.25	1.63	4.61	3.16	1.77	4.23	2.94	1.92	3.90	2.77	2.12
		24°C	5.20	4.16	1.40	5.01	4.06	1.51	4.82	3.97	1.64	4.63	3.87	1.77	4.25	3.61	1.92	3.93	3.40	2.12
		27°C	5.26	4.73	1.40	5.08	4.62	1.51	4.91	4.50	1.64	4.73	4.36	1.78	4.37	4.05	1.93	4.07	3.79	2.13
		30°C	5.48	5.48	1.41	5.32	5.32	1.53	5.16	5.16	1.66	4.99	4.99	1.80	4.62	4.62	1.95	4.32	4.32	2.16
	19°C	24°C	5.71	3.24	1.42	5.50	3.16	1.53	5.30	3.08	1.66	5.08	2.99	1.80	4.67	2.79	1.96	4.31	2.63	2.15
		27°C	5.72	3.74	1.42	5.51	3.65	1.54	5.31	3.57	1.66	5.09	3.49	1.80	4.68	3.26	1.96	4.33	3.09	2.16
		30°C	5.74	4.61	1.42	5.54	4.51	1.54	5.35	4.41	1.67	5.14	4.30	1.81	4.73	4.02	1.96	4.39	3.80	2.16
		33°C	5.84	5.84	1.42	5.66	5.66	1.54	5.48	5.48	1.67	5.30	5.30	1.82	4.91	4.91	1.98	4.59	4.59	2.18
	22°C	27°C	6.27	3.18	1.44	6.05	3.10	1.56	5.82	3.02	1.70	5.59	2.94	1.84	5.14	2.74	1.99	4.75	2.59	2.20
		30°C	6.28	3.90	1.44	6.06	3.82	1.56	5.83	3.73	1.70	5.60	3.64	1.84	5.15	3.41	2.00	4.76	3.24	2.20
		33°C	6.29	4.57	1.45	6.07	4.48	1.57	5.85	4.39	1.70	5.62	4.29	1.84	5.17	4.03	2.00	4.79	3.82	2.20
		36°C	6.33	5.16	1.45	6.12	5.06	1.57	5.91	4.96	1.70	5.69	4.84	1.85	5.25	4.53	2.00	4.90	4.28	2.21
490	16°C	21°C	5.37	3.58	1.41	5.17	3.49	1.52	4.98	3.39	1.65	4.77	3.30	1.79	4.37	3.07	1.94	4.03	2.89	2.13
		24°C	5.40	4.35	1.41	5.20	4.24	1.52	5.01	4.14	1.65	4.81	4.03	1.79	4.41	3.76	1.94	4.08	3.55	2.14
		27°C	5.49	4.98	1.41	5.31	4.85	1.53	5.13	4.72	1.66	4.94	4.57	1.80	4.57	4.23	1.95	4.26	3.95	2.15
		30°C	5.76	5.76	1.42	5.59	5.59	1.54	5.42	5.42	1.67	5.24	5.24	1.82	4.85	4.85	1.97	4.53	4.53	2.18
	19°C	24°C	5.91	3.43	1.43	5.70	3.35	1.55	5.48	3.26	1.68	5.26	3.17	1.82	4.83	2.96	1.97	4.46	2.79	2.17
		27°C	5.93	3.97	1.43	5.72	3.88	1.55	5.50	3.79	1.68	5.28	3.70	1.82	4.85	3.46	1.97	4.48	3.27	2.17
		30°C	5.98	4.89	1.43	5.77	4.78	1.55	5.56	4.67	1.68	5.35	4.55	1.82	4.92	4.25	1.98	4.57	4.01	2.18
		33°C	6.11	6.11	1.44	5.93	5.93	1.56	5.75	5.75	1.69	5.56	5.56	1.84	5.15	5.15	2.00	4.81	4.81	2.21
	22°C	27°C	6.49	3.36	1.46	6.26	3.28	1.58	6.02	3.20	1.71	5.78	3.12	1.85	5.31	2.91	2.01	4.91	2.75	2.21
		30°C	6.50	4.14	1.46	6.27	4.06	1.58	6.03	3.97	1.71	5.79	3.88	1.86	5.32	3.63	2.01	4.92	3.45	2.22
		33°C	6.52	4.85	1.46	6.30	4.77	1.58	6.07	4.67	1.71	5.83	4.56	1.86	5.36	4.28	2.02	4.97	4.06	2.22
		36°C	6.58	5.48	1.46	6.38	5.38	1.59	6.16	5.26	1.72	5.93	5.13	1.87	5.48	4.78	2.03	5.11	4.50	2.24

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (ºC)
EDB: Entering Dry Bulb Temp. (ºC)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 0 ºC to 46ºC withoutpressure trip.

Cooling Only (R22)

Model: MWM20G2 - MLC020C
Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
340	16°C	21°C	5.25	3.52	1.37	5.07	3.42	1.48	4.88	3.33	1.61	4.68	3.24	1.74	4.30	3.01	1.89	3.97	2.83	2.09
		24°C	5.26	4.21	1.37	5.07	4.11	1.49	4.88	4.02	1.61	4.69	3.92	1.74	4.31	3.66	1.89	3.98	3.45	2.09
		27°C	5.30	4.77	1.38	5.12	4.67	1.49	4.94	4.56	1.61	4.76	4.44	1.75	4.39	4.13	1.90	4.08	3.88	2.09
		30°C	5.46	5.46	1.38	5.31	5.31	1.50	5.14	5.14	1.62	4.98	4.98	1.76	4.62	4.62	1.91	4.32	4.32	2.11
	19°C	24°C	5.79	3.28	1.39	5.59	3.20	1.51	5.38	3.11	1.64	5.17	3.03	1.77	4.75	2.82	1.92	4.39	2.65	2.12
		27°C	5.80	3.76	1.39	5.59	3.67	1.51	5.39	3.59	1.64	5.17	3.50	1.77	4.76	3.27	1.93	4.40	3.10	2.12
		30°C	5.80	4.64	1.40	5.60	4.54	1.51	5.41	4.44	1.64	5.20	4.33	1.78	4.79	4.05	1.93	4.44	3.83	2.13
		33°C	5.87	5.87	1.40	5.68	5.68	1.51	5.50	5.50	1.64	5.31	5.31	1.78	4.91	4.91	1.94	4.59	4.59	2.14
	22°C	27°C	6.37	3.21	1.42	6.15	3.14	1.54	5.93	3.06	1.67	5.70	2.97	1.81	5.24	2.77	1.96	4.85	2.61	2.16
		30°C	6.37	3.92	1.42	6.15	3.83	1.54	5.93	3.75	1.67	5.70	3.66	1.81	5.24	3.42	1.96	4.85	3.25	2.16
		33°C	6.38	4.57	1.42	6.16	4.49	1.54	5.93	4.40	1.67	5.70	4.31	1.81	5.25	4.04	1.96	4.86	3.84	2.16
		36°C	6.40	5.19	1.42	6.19	5.08	1.54	5.97	4.98	1.67	5.75	4.87	1.81	5.31	4.56	1.97	4.93	4.33	2.17
410	16°C	21°C	5.46	3.67	1.39	5.27	3.57	1.50	5.07	3.48	1.62	4.86	3.38	1.76	4.46	3.15	1.91	4.11	2.96	2.10
		24°C	5.48	4.45	1.39	5.28	4.35	1.50	5.09	4.24	1.62	4.88	4.14	1.76	4.48	3.86	1.91	4.14	3.64	2.11
		27°C	5.55	5.06	1.39	5.36	4.94	1.50	5.18	4.81	1.63	4.99	4.67	1.77	4.61	4.34	1.92	4.29	4.06	2.12
		30°C	5.78	5.78	1.40	5.61	5.61	1.52	5.44	5.44	1.64	5.26	5.26	1.78	4.88	4.88	1.94	4.56	4.56	2.14
	19°C	24°C	6.02	3.47	1.41	5.81	3.38	1.52	5.59	3.29	1.65	5.36	3.20	1.79	4.92	2.99	1.94	4.55	2.81	2.14
		27°C	6.03	4.00	1.41	5.82	3.91	1.52	5.60	3.82	1.65	5.37	3.73	1.79	4.94	3.49	1.94	4.56	3.30	2.14
		30°C	6.06	4.93	1.41	5.85	4.82	1.53	5.64	4.72	1.65	5.42	4.60	1.79	4.99	4.30	1.95	4.63	4.06	2.15
		33°C	6.16	6.16	1.41	5.97	5.97	1.53	5.78	5.78	1.66	5.59	5.59	1.81	5.18	5.18	1.96	4.84	4.84	2.17
	22°C	27°C	6.61	3.40	1.43	6.38	3.32	1.55	6.14	3.23	1.68	5.90	3.15	1.83	5.42	2.93	1.98	5.01	2.77	2.18
		30°C	6.62	4.17	1.43	6.39	4.08	1.55	6.15	3.99	1.68	5.91	3.90	1.83	5.43	3.65	1.98	5.02	3.47	2.18
		33°C	6.63	4.89	1.43	6.40	4.79	1.55	6.17	4.69	1.69	5.93	4.59	1.83	5.45	4.31	1.98	5.05	4.09	2.19
		36°C	6.67	5.52	1.44	6.46	5.42	1.56	6.23	5.31	1.69	6.01	5.18	1.83	5.54	4.85	1.99	5.17	4.57	2.20
490	16°C	21°C	5.67	3.83	1.40	5.46	3.73	1.51	5.25	3.63	1.64	5.03	3.53	1.77	4.62	3.29	1.92	4.25	3.10	2.12
		24°C	5.70	4.65	1.40	5.49	4.54	1.51	5.28	4.43	1.64	5.07	4.31	1.78	4.66	4.03	1.93	4.30	3.80	2.12
		27°C	5.79	5.33	1.40	5.60	5.19	1.52	5.41	5.05	1.64	5.22	4.89	1.78	4.82	4.53	1.94	4.49	4.23	2.14
		30°C	6.08	6.08	1.41	5.90	5.90	1.53	5.72	5.72	1.66	5.53	5.53	1.80	5.12	5.12	1.96	4.78	4.78	2.16
	19°C	24°C	6.24	3.67	1.42	6.01	3.58	1.54	5.78	3.49	1.66	5.55	3.39	1.81	5.09	3.16	1.96	4.70	2.99	2.16
		27°C	6.26	4.25	1.42	6.03	4.15	1.54	5.80	4.05	1.67	5.57	3.95	1.81	5.11	3.70	1.96	4.73	3.50	2.16
		30°C	6.31	5.23	1.42	6.08	5.11	1.54	5.87	5.00	1.67	5.64	4.87	1.81	5.19	4.55	1.97	4.82	4.29	2.17
		33°C	6.44	6.44	1.43	6.26	6.26	1.55	6.06	6.06	1.68	5.86	5.86	1.83	5.43	5.43	1.98	5.08	5.08	2.19
	22°C	27°C	6.84	3.59	1.45	6.60	3.51	1.57	6.35	3.43	1.70	6.10	3.34	1.84	5.60	3.11	2.00	5.18	2.94	2.20
		30°C	6.86	4.43	1.45	6.61	4.34	1.57	6.37	4.25	1.70	6.11	4.15	1.84	5.61	3.89	2.00	5.19	3.69	2.20
		33°C	6.88	5.19	1.45	6.64	5.10	1.57	6.40	4.99	1.70	6.15	4.88	1.85	5.66	4.58	2.00	5.24	4.34	2.20
		36°C	6.94	5.86	1.45	6.73	5.75	1.57	6.49	5.63	1.71	6.26	5.49	1.85	5.78	5.12	2.01	5.40	4.82	2.22

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (ºC)
EDB: Entering Dry Bulb Temp. (ºC)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 0 ºC to 46ºC withoutpressure trip.

Cooling Only (R22)

Model: MWM25G2 - MLC025C
Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
440	16°C	21°C	6.50	4.35	1.92	6.27	4.24	2.08	6.03	4.12	2.25	5.79	4.00	2.44	5.32	3.73	2.65	4.91	3.51	2.92
		24°C	6.50	5.21	1.92	6.27	5.09	2.08	6.04	4.97	2.25	5.80	4.85	2.44	5.33	4.53	2.65	4.93	4.27	2.92
		27°C	6.56	5.91	1.93	6.34	5.77	2.08	6.11	5.64	2.26	5.88	5.49	2.45	5.43	5.11	2.66	5.05	4.80	2.93
		30°C	6.76	6.76	1.93	6.56	6.56	2.09	6.36	6.36	2.27	6.16	6.16	2.47	5.71	5.71	2.68	5.34	5.34	2.96
	19°C	24°C	7.16	4.06	1.95	6.91	3.96	2.11	6.66	3.85	2.29	6.40	3.74	2.48	5.88	3.49	2.69	5.43	3.28	2.97
		27°C	7.17	4.65	1.95	6.92	4.54	2.11	6.66	4.44	2.29	6.40	4.33	2.48	5.88	4.05	2.70	5.44	3.84	2.97
		30°C	7.18	5.73	1.95	6.93	5.61	2.12	6.69	5.49	2.29	6.43	5.36	2.49	5.92	5.01	2.70	5.50	4.74	2.98
		33°C	7.27	7.27	1.96	7.03	7.03	2.12	6.80	6.80	2.30	6.57	6.57	2.50	6.08	6.08	2.71	5.68	5.68	2.99
	22°C	27°C	7.88	3.97	1.99	7.61	3.88	2.15	7.33	3.78	2.33	7.05	3.68	2.53	6.48	3.43	2.75	6.00	3.23	3.03
		30°C	7.88	4.84	1.99	7.61	4.74	2.15	7.33	4.63	2.34	7.05	4.52	2.53	6.48	4.23	2.75	6.00	4.02	3.03
		33°C	7.89	5.66	1.99	7.62	5.55	2.15	7.34	5.44	2.34	7.05	5.33	2.53	6.49	5.00	2.75	6.01	4.75	3.03
		36°C	7.91	6.42	1.99	7.65	6.29	2.16	7.39	6.16	2.34	7.12	6.02	2.54	6.56	5.64	2.75	6.10	5.35	3.04
490	16°C	21°C	6.76	4.54	1.94	6.51	4.42	2.10	6.27	4.30	2.27	6.01	4.18	2.46	5.52	3.89	2.67	5.09	3.66	2.94
		24°C	6.78	5.51	1.94	6.53	5.38	2.10	6.29	5.25	2.27	6.04	5.12	2.47	5.55	4.77	2.67	5.13	4.51	2.95
		27°C	6.86	6.25	1.95	6.63	6.11	2.10	6.40	5.95	2.28	6.17	5.77	2.47	5.70	5.36	2.69	5.31	5.02	2.96
		30°C	7.15	7.15	1.96	6.94	6.94	2.12	6.73	6.73	2.30	6.51	6.51	2.50	6.03	6.03	2.71	5.64	5.64	3.00
	19°C	24°C	7.45	4.29	1.97	7.18	4.18	2.13	6.91	4.08	2.31	6.63	3.96	2.51	6.09	3.69	2.72	5.63	3.48	3.00
		27°C	7.46	4.94	1.97	7.19	4.83	2.13	6.92	4.72	2.31	6.65	4.61	2.51	6.11	4.31	2.72	5.64	4.08	3.00
		30°C	7.49	6.10	1.97	7.23	5.97	2.14	6.97	5.83	2.32	6.71	5.69	2.51	6.18	5.32	2.73	5.73	5.03	3.01
		33°C	7.62	7.62	1.98	7.39	7.39	2.15	7.15	7.15	2.33	6.91	6.91	2.53	6.40	6.40	2.75	5.99	5.99	3.03
	22°C	27°C	8.18	4.20	2.01	7.89	4.10	2.17	7.60	4.00	2.36	7.30	3.89	2.56	6.71	3.63	2.77	6.20	3.43	3.05
		30°C	8.19	5.16	2.01	7.90	5.05	2.18	7.61	4.94	2.36	7.31	4.82	2.56	6.71	4.52	2.77	6.21	4.29	3.05
		33°C	8.21	6.04	2.01	7.92	5.93	2.18	7.63	5.81	2.36	7.33	5.68	2.56	6.74	5.33	2.78	6.25	5.06	3.06
		36°C	8.26	6.83	2.01	7.99	6.70	2.18	7.71	6.56	2.37	7.43	6.41	2.57	6.85	6.00	2.79	6.39	5.66	3.07
630	16°C	21°C	7.01	4.74	1.96	6.75	4.62	2.11	6.49	4.49	2.29	6.22	4.37	2.48	5.71	4.07	2.69	5.26	3.83	2.97
		24°C	7.05	5.75	1.96	6.79	5.62	2.12	6.53	5.48	2.29	6.27	5.34	2.49	5.76	4.98	2.70	5.32	4.70	2.97
		27°C	7.16	6.59	1.96	6.93	6.42	2.12	6.69	6.24	2.30	6.45	6.05	2.50	5.96	5.61	2.71	5.56	5.23	2.99
		30°C	7.52	7.52	1.98	7.30	7.30	2.15	7.07	7.07	2.33	6.84	6.84	2.53	6.33	6.33	2.74	5.92	5.92	3.03
	19°C	24°C	7.72	4.54	1.99	7.44	4.43	2.15	7.15	4.32	2.33	6.86	4.20	2.53	6.30	3.91	2.74	5.81	3.69	3.02
		27°C	7.74	5.26	1.99	7.46	5.13	2.15	7.18	5.01	2.33	6.89	4.89	2.53	6.33	4.58	2.74	5.85	4.33	3.02
		30°C	7.80	6.47	1.99	7.53	6.33	2.16	7.26	6.18	2.34	6.98	6.03	2.54	6.42	5.63	2.75	5.96	5.31	3.03
		33°C	7.97	7.97	2.00	7.74	7.74	2.17	7.50	7.50	2.35	7.25	7.25	2.56	6.72	6.72	2.78	6.28	6.28	3.07
	22°C	27°C	8.47	4.44	2.03	8.17	4.35	2.19	7.86	4.24	2.38	7.54	4.13	2.58	6.93	3.85	2.80	6.40	3.64	3.08
		30°C	8.48	5.48	2.03	8.18	5.37	2.19	7.87	5.26	2.38	7.56	5.14	2.58	6.94	4.81	2.80	6.42	4.56	3.08
		33°C	8.51	6.42	2.03	8.22	6.31	2.20	7.92	6.17	2.38	7.61	6.04	2.58	7.00	5.66	2.80	6.48	5.37	3.09
		36°C	8.59	7.25	2.03	8.32	7.12	2.20	8.03	6.96	2.39	7.74	6.79	2.59	7.15	6.33	2.82	6.67	5.96	3.11

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (ºC)
EDB: Entering Dry Bulb Temp. (ºC)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 0 ºC to 46ºC withoutpressure trip.

Cooling Only (R22)

Model: MWM030F - MLC028C
Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
500	16°C	21°C	7.46	4.93	2.06	7.20	4.80	2.23	6.93	4.67	2.41	6.65	4.54	2.61	6.11	4.22	2.83	5.64	3.97	3.13
		24°C	7.47	5.90	2.06	7.21	5.76	2.23	6.94	5.63	2.41	6.66	5.49	2.61	6.12	5.13	2.84	5.66	4.84	3.13
		27°C	7.53	6.69	2.06	7.28	6.54	2.23	7.02	6.38	2.42	6.76	6.22	2.62	6.24	5.79	2.84	5.80	5.44	3.14
		30°C	7.76	7.76	2.07	7.54	7.54	2.24	7.31	7.31	2.43	7.07	7.07	2.64	6.56	6.56	2.87	6.14	6.14	3.17
	19°C	24°C	8.23	4.60	2.09	7.94	4.48	2.26	7.65	4.36	2.45	7.35	4.24	2.66	6.75	3.95	2.88	6.24	3.72	3.18
		27°C	8.23	5.26	2.09	7.94	5.14	2.26	7.65	5.03	2.45	7.35	4.90	2.66	6.76	4.59	2.89	6.25	4.35	3.18
		30°C	8.25	6.49	2.09	7.96	6.36	2.26	7.68	6.21	2.45	7.39	6.07	2.66	6.80	5.67	2.89	6.31	5.37	3.19
		33°C	8.35	8.35	2.10	8.07	8.07	2.27	7.81	7.81	2.46	7.55	7.55	2.67	6.98	6.98	2.90	6.53	6.53	3.20
	22°C	27°C	9.05	4.50	2.13	8.74	4.39	2.31	8.42	4.28	2.50	8.09	4.17	2.71	7.44	3.88	2.94	6.89	3.66	3.24
		30°C	9.06	5.49	2.13	8.74	5.37	2.31	8.42	5.25	2.50	8.09	5.12	2.71	7.44	4.80	2.94	6.89	4.55	3.24
		33°C	9.06	6.41	2.13	8.75	6.29	2.31	8.43	6.16	2.50	8.10	6.03	2.71	7.45	5.66	2.94	6.91	5.38	3.24
		36°C	9.09	7.27	2.13	8.79	7.12	2.31	8.49	6.97	2.50	8.18	6.82	2.72	7.54	6.39	2.95	7.01	6.06	3.25
630	16°C	21°C	7.76	5.14	2.08	7.48	5.01	2.25	7.20	4.87	2.43	6.91	4.74	2.64	6.34	4.41	2.86	5.85	4.15	3.15
		24°C	7.79	6.24	2.08	7.51	6.09	2.25	7.23	5.95	2.43	6.93	5.80	2.64	6.37	5.41	2.86	5.89	5.10	3.15
		27°C	7.88	7.09	2.08	7.62	6.92	2.25	7.35	6.74	2.44	7.09	6.54	2.65	6.54	6.08	2.88	6.10	5.68	3.17
		30°C	8.21	8.21	2.10	7.97	7.97	2.27	7.73	7.73	2.46	7.48	7.48	2.67	6.93	6.93	2.91	6.48	6.48	3.21
	19°C	24°C	8.55	4.86	2.11	8.25	4.74	2.28	7.94	4.62	2.47	7.62	4.49	2.68	7.00	4.18	2.91	6.46	3.94	3.21
		27°C	8.57	5.60	2.11	8.26	5.48	2.28	7.95	5.35	2.48	7.63	5.23	2.68	7.01	4.89	2.91	6.48	4.63	3.21
		30°C	8.61	6.91	2.11	8.31	6.76	2.29	8.01	6.61	2.48	7.71	6.45	2.69	7.09	6.03	2.92	6.58	5.69	3.22
		33°C	8.75	8.75	2.12	8.49	8.49	2.30	8.22	8.22	2.49	7.94	7.94	2.71	7.36	7.36	2.94	6.88	6.88	3.25
	22°C	27°C	9.40	4.76	2.15	9.07	4.65	2.33	8.73	4.53	2.52	8.38	4.41	2.74	7.70	4.11	2.97	7.13	3.88	3.27
		30°C	9.41	5.84	2.15	9.08	5.72	2.33	8.74	5.59	2.52	8.39	5.46	2.74	7.71	5.12	2.97	7.14	4.85	3.27
		33°C	9.43	6.85	2.15	9.10	6.71	2.33	8.76	6.58	2.53	8.42	6.44	2.74	7.75	6.04	2.97	7.18	5.73	3.27
		36°C	9.48	7.74	2.15	9.18	7.59	2.34	8.86	7.43	2.53	8.54	7.26	2.75	7.87	6.79	2.98	7.34	6.41	3.29
670	16°C	21°C	8.05	5.36	2.09	7.76	5.23	2.26	7.46	5.09	2.45	7.15	4.95	2.66	6.56	4.61	2.88	6.04	4.34	3.18
		24°C	8.09	6.52	2.10	7.80	6.36	2.27	7.51	6.21	2.45	7.20	6.04	2.66	6.61	5.64	2.89	6.11	5.32	3.18
		27°C	8.22	7.47	2.10	7.95	7.27	2.27	7.69	7.07	2.46	7.41	6.85	2.67	6.85	6.35	2.90	6.38	5.93	3.21
		30°C	8.63	8.63	2.12	8.38	8.38	2.30	8.12	8.12	2.49	7.86	7.86	2.70	7.27	7.27	2.94	6.79	6.79	3.24
	19°C	24°C	8.86	5.14	2.13	8.54	5.02	2.30	8.22	4.89	2.49	7.88	4.75	2.71	7.23	4.43	2.93	6.68	4.18	3.23
		27°C	8.89	5.95	2.13	8.57	5.81	2.30	8.25	5.68	2.50	7.91	5.54	2.71	7.27	5.18	2.94	6.71	4.90	3.24
		30°C	8.96	7.32	2.13	8.64	7.16	2.31	8.33	7.00	2.50	8.01	6.82	2.71	7.38	6.37	2.95	6.85	6.01	3.25
		33°C	9.15	9.15	2.14	8.89	8.89	2.32	8.61	8.61	2.52	8.33	8.33	2.74	7.72	7.72	2.97	7.22	7.22	3.28
	22°C	27°C	9.72	5.03	2.17	9.38	4.92	2.35	9.02	4.80	2.54	8.66	4.67	2.76	7.96	4.36	2.99	7.35	4.12	3.29
		30°C	9.74	6.20	2.17	9.40	6.09	2.35	9.04	5.95	2.55	8.68	5.82	2.76	7.97	5.45	2.99	7.38	5.16	3.30
		33°C	9.78	7.27	2.17	9.44	7.14	2.35	9.09	6.99	2.55	8.73	6.84	2.77	8.04	6.41	3.00	7.44	6.08	3.30
		36°C	9.86	8.21	2.18	9.55	8.06	2.36	9.22	7.88	2.56	8.89	7.69	2.78	8.22	7.17	3.01	7.66	6.75	3.33

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (ºC)
EDB: Entering Dry Bulb Temp. (ºC)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 0 ºC to 46ºC withoutpressure trip.

Cooling Only (R22)

Model: MWM030F - MLC030C
Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
500	16°C	21°C	8.29	5.47	2.24	7.99	5.33	2.42	7.70	5.19	2.62	7.39	5.04	2.84	6.78	4.69	3.08	6.26	4.41	3.40
		24°C	8.30	6.55	2.24	8.00	6.40	2.42	7.71	6.25	2.62	7.40	6.10	2.84	6.80	5.70	3.08	6.29	5.37	3.40
		27°C	8.36	7.43	2.24	8.09	7.26	2.42	7.80	7.09	2.63	7.51	6.91	2.85	6.93	6.43	3.09	6.45	6.04	3.41
		30°C	8.62	8.62	2.25	8.37	8.37	2.44	8.12	8.12	2.64	7.86	7.86	2.87	7.28	7.28	3.12	6.82	6.82	3.44
	19°C	24°C	9.14	5.11	2.27	8.82	4.98	2.46	8.50	4.85	2.67	8.16	4.71	2.89	7.50	4.39	3.14	6.93	4.13	3.46
		27°C	9.15	5.85	2.27	8.83	5.71	2.46	8.50	5.58	2.67	8.17	5.45	2.89	7.51	5.10	3.14	6.94	4.83	3.46
		30°C	9.16	7.21	2.27	8.85	7.06	2.46	8.53	6.90	2.67	8.21	6.74	2.89	7.56	6.30	3.14	7.01	5.96	3.46
		33°C	9.27	9.27	2.28	8.97	8.97	2.47	8.68	8.68	2.68	8.38	8.38	2.90	7.76	7.76	3.16	7.25	7.25	3.48
	22°C	27°C	10.06	5.00	2.31	9.71	4.88	2.51	9.36	4.76	2.72	8.99	4.63	2.95	8.27	4.31	3.20	7.65	4.06	3.52
		30°C	10.06	6.09	2.31	9.71	5.96	2.51	9.36	5.83	2.72	8.99	5.69	2.95	8.27	5.33	3.20	7.65	5.05	3.52
		33°C	10.07	7.12	2.31	9.72	6.98	2.51	9.36	6.84	2.72	9.00	6.70	2.95	8.28	6.29	3.20	7.67	5.98	3.52
		36°C	10.10	8.07	2.32	9.76	7.91	2.51	9.43	7.75	2.72	9.08	7.57	2.95	8.38	7.10	3.21	7.79	6.74	3.53
630	16°C	21°C	8.62	5.71	2.26	8.31	5.56	2.44	8.00	5.41	2.64	7.67	5.26	2.87	7.04	4.90	3.11	6.49	4.61	3.43
		24°C	8.65	6.93	2.26	8.34	6.77	2.44	8.03	6.61	2.65	7.70	6.44	2.87	7.08	6.01	3.11	6.54	5.67	3.43
		27°C	8.75	7.87	2.26	8.46	7.69	2.45	8.17	7.49	2.65	7.88	7.27	2.88	7.27	6.75	3.13	6.77	6.31	3.45
		30°C	9.12	9.12	2.28	8.86	8.86	2.47	8.59	8.59	2.68	8.31	8.31	2.91	7.70	7.70	3.16	7.19	7.19	3.49
	19°C	24°C	9.50	5.40	2.29	9.16	5.27	2.48	8.82	5.13	2.69	8.46	4.99	2.92	7.77	4.65	3.16	7.18	4.38	3.49
		27°C	9.52	6.22	2.29	9.18	6.08	2.48	8.84	5.95	2.69	8.48	5.80	2.92	7.79	5.43	3.17	7.20	5.14	3.49
		30°C	9.56	7.67	2.30	9.23	7.51	2.49	8.90	7.34	2.70	8.56	7.16	2.92	7.88	6.70	3.17	7.31	6.33	3.50
		33°C	9.72	9.72	2.30	9.43	9.43	2.50	9.13	9.13	2.71	8.82	8.82	2.94	8.17	8.17	3.20	7.64	7.64	3.53
	22°C	27°C	10.44	5.29	2.34	10.07	5.16	2.53	9.70	5.03	2.74	9.31	4.90	2.97	8.56	4.57	3.23	7.91	4.31	3.55
		30°C	10.45	6.49	2.34	10.08	6.35	2.53	9.71	6.21	2.74	9.32	6.07	2.98	8.57	5.68	3.23	7.93	5.39	3.56
		33°C	10.47	7.60	2.34	10.11	7.46	2.53	9.74	7.31	2.75	9.35	7.15	2.98	8.60	6.71	3.23	7.98	6.37	3.56
		36°C	10.54	8.60	2.34	10.20	8.43	2.54	9.84	8.26	2.75	9.48	8.07	2.99	8.75	7.55	3.24	8.16	7.12	3.58
670	16°C	21°C	8.94	5.96	2.28	8.61	5.80	2.46	8.28	5.65	2.66	7.94	5.49	2.89	7.28	5.12	3.13	6.71	4.82	3.45
		24°C	8.99	7.24	2.28	8.66	7.07	2.46	8.34	6.89	2.67	8.00	6.71	2.89	7.35	6.26	3.14	6.79	5.91	3.46
		27°C	9.13	8.29	2.28	8.84	8.08	2.47	8.54	7.85	2.68	8.23	7.61	2.91	7.61	7.05	3.16	7.09	6.58	3.48
		30°C	9.59	9.59	2.30	9.31	9.31	2.50	9.02	9.02	2.71	8.73	8.73	2.94	8.08	8.08	3.19	7.55	7.55	3.53
	19°C	24°C	9.84	5.71	2.31	9.49	5.57	2.50	9.13	5.43	2.71	8.75	5.28	2.94	8.03	4.92	3.19	7.42	4.64	3.51
		27°C	9.87	6.61	2.31	9.52	6.46	2.51	9.16	6.31	2.71	8.79	6.15	2.94	8.07	5.75	3.19	7.46	5.44	3.52
		30°C	9.95	8.13	2.32	9.60	7.96	2.51	9.26	7.77	2.72	8.90	7.58	2.95	8.20	7.08	3.20	7.61	6.67	3.53
		33°C	10.17	10.17	2.33	9.87	9.87	2.53	9.57	9.57	2.74	9.25	9.25	2.98	8.57	8.57	3.23	8.02	8.02	3.57
	22°C	27°C	10.80	5.59	2.36	10.42	5.47	2.55	10.03	5.33	2.77	9.62	5.19	3.00	8.84	4.84	3.25	8.17	4.57	3.58
		30°C	10.82	6.89	2.36	10.44	6.76	2.55	10.04	6.61	2.77	9.64	6.46	3.00	8.86	6.05	3.26	8.19	5.74	3.59
		33°C	10.86	8.07	2.36	10.48	7.93	2.56	10.10	7.77	2.77	9.70	7.60	3.01	8.93	7.12	3.26	8.27	6.76	3.59
		36°C	10.96	9.12	2.37	10.61	8.95	2.56	10.25	8.76	2.78	9.88	8.54	3.02	9.13	7.96	3.28	8.51	7.50	3.62

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (ºC)
EDB: Entering Dry Bulb Temp. (ºC)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 0 ºC to 46ºC withoutpressure trip.

Heat Pump (R22)

Model: MWM09G2R - MLC009CR
Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
175	16°C	21°C	2.49	1.78	0.70	2.40	1.74	0.76	2.31	1.69	0.82	2.22	1.64	0.89	2.04	1.53	0.96	1.88	1.44	1.06
		24°C	2.49	2.14	0.70	2.40	2.09	0.76	2.31	2.04	0.82	2.22	1.99	0.89	2.04	1.86	0.96	1.89	1.75	1.06
		27°C	2.51	2.42	0.70	2.43	2.37	0.76	2.34	2.31	0.82	2.25	2.25	0.89	2.08	2.08	0.97	1.94	1.94	1.06
		30°C	2.59	2.59	0.70	2.51	2.51	0.76	2.44	2.44	0.83	2.36	2.36	0.90	2.19	2.19	0.97	2.05	2.05	1.08
	19°C	24°C	2.74	1.66	0.71	2.65	1.62	0.77	2.55	1.58	0.83	2.45	1.54	0.90	2.25	1.43	0.98	2.08	1.35	1.08
		27°C	2.75	1.90	0.71	2.65	1.86	0.77	2.55	1.82	0.83	2.45	1.78	0.90	2.25	1.66	0.98	2.08	1.57	1.08
		30°C	2.75	2.35	0.71	2.66	2.30	0.77	2.56	2.25	0.83	2.46	2.20	0.90	2.27	2.05	0.98	2.11	1.94	1.08
		33°C	2.78	2.78	0.71	2.69	2.69	0.77	2.61	2.61	0.84	2.52	2.52	0.91	2.33	2.33	0.98	2.18	2.18	1.09
	22°C	27°C	3.02	1.63	0.72	2.91	1.59	0.78	2.81	1.55	0.85	2.70	1.51	0.92	2.48	1.41	1.00	2.30	1.32	1.10
		30°C	3.02	1.99	0.72	2.92	1.94	0.78	2.81	1.90	0.85	2.70	1.85	0.92	2.48	1.74	1.00	2.30	1.65	1.10
		33°C	3.02	2.32	0.72	2.92	2.28	0.78	2.81	2.23	0.85	2.70	2.18	0.92	2.49	2.05	1.00	2.30	1.95	1.10
		36°C	3.03	2.63	0.72	2.93	2.58	0.78	2.83	2.52	0.85	2.73	2.47	0.92	2.51	2.31	1.00	2.34	2.20	1.10
225	16°C	21°C	2.59	1.86	0.70	2.50	1.81	0.76	2.40	1.76	0.83	2.30	1.72	0.89	2.11	1.60	0.97	1.95	1.50	1.07
		24°C	2.60	2.26	0.70	2.50	2.21	0.76	2.41	2.15	0.83	2.31	2.10	0.90	2.13	1.96	0.97	1.96	1.85	1.07
		27°C	2.63	2.57	0.71	2.54	2.51	0.76	2.45	2.44	0.83	2.36	2.36	0.90	2.18	2.18	0.98	2.03	2.03	1.08
		30°C	2.74	2.74	0.71	2.66	2.66	0.77	2.58	2.58	0.84	2.49	2.49	0.91	2.31	2.31	0.99	2.16	2.16	1.09
	19°C	24°C	2.85	1.76	0.72	2.75	1.72	0.77	2.65	1.67	0.84	2.54	1.63	0.91	2.33	1.51	0.99	2.16	1.43	1.09
		27°C	2.86	2.03	0.72	2.76	1.98	0.78	2.65	1.94	0.84	2.55	1.89	0.91	2.34	1.77	0.99	2.16	1.67	1.09
		30°C	2.87	2.50	0.72	2.77	2.45	0.78	2.67	2.39	0.84	2.57	2.33	0.91	2.37	2.18	0.99	2.20	2.06	1.09
		33°C	2.92	2.92	0.72	2.83	2.83	0.78	2.74	2.74	0.85	2.65	2.65	0.92	2.45	2.45	1.00	2.29	2.29	1.10
	22°C	27°C	3.13	1.72	0.73	3.02	1.68	0.79	2.91	1.64	0.86	2.80	1.60	0.93	2.57	1.49	1.01	2.38	1.40	1.11
		30°C	3.14	2.12	0.73	3.03	2.07	0.79	2.92	2.03	0.86	2.80	1.98	0.93	2.57	1.85	1.01	2.38	1.76	1.11
		33°C	3.14	2.48	0.73	3.03	2.43	0.79	2.92	2.38	0.86	2.81	2.33	0.93	2.58	2.19	1.01	2.39	2.08	1.11
		36°C	3.16	2.80	0.73	3.06	2.75	0.79	2.95	2.69	0.86	2.85	2.63	0.93	2.63	2.46	1.01	2.45	2.32	1.12
275	16°C	21°C	2.69	1.94	0.71	2.59	1.89	0.77	2.49	1.84	0.83	2.38	1.79	0.90	2.19	1.67	0.98	2.02	1.57	1.08
		24°C	2.70	2.36	0.71	2.60	2.30	0.77	2.50	2.25	0.83	2.40	2.19	0.90	2.21	2.04	0.98	2.04	1.93	1.08
		27°C	2.74	2.70	0.71	2.65	2.63	0.77	2.56	2.56	0.84	2.47	2.47	0.91	2.28	2.28	0.99	2.13	2.13	1.09
		30°C	2.88	2.88	0.72	2.80	2.80	0.78	2.71	2.71	0.85	2.62	2.62	0.92	2.43	2.43	1.00	2.27	2.27	1.10
	19°C	24°C	2.96	1.86	0.72	2.85	1.82	0.78	2.74	1.77	0.85	2.63	1.72	0.92	2.41	1.61	1.00	2.23	1.51	1.10
		27°C	2.96	2.16	0.72	2.86	2.11	0.78	2.75	2.06	0.85	2.64	2.01	0.92	2.42	1.88	1.00	2.24	1.78	1.10
		30°C	2.99	2.65	0.72	2.88	2.59	0.78	2.78	2.54	0.85	2.67	2.47	0.92	2.46	2.31	1.00	2.29	2.18	1.10
		33°C	3.05	3.05	0.73	2.96	2.96	0.79	2.87	2.87	0.86	2.78	2.78	0.93	2.57	2.57	1.01	2.41	2.41	1.11
	22°C	27°C	3.24	1.82	0.74	3.13	1.78	0.80	3.01	1.74	0.86	2.89	1.69	0.94	2.65	1.58	1.02	2.45	1.49	1.12
		30°C	3.25	2.25	0.74	3.13	2.20	0.80	3.02	2.16	0.86	2.90	2.11	0.94	2.66	1.97	1.02	2.46	1.87	1.12
		33°C	3.26	2.63	0.74	3.15	2.59	0.80	3.03	2.53	0.87	2.91	2.48	0.94	2.68	2.32	1.02	2.48	2.20	1.12
		36°C	3.29	2.97	0.74	3.19	2.92	0.80	3.08	2.85	0.87	2.97	2.78	0.94	2.74	2.60	1.02	2.56	2.44	1.13

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (ºC)
EDB: Entering Dry Bulb Temp. (ºC)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 0 ºC to 46ºC withoutpressure trip.

Model: MWM09G2R - MLC009CR
Heating Mode

ID WB°C	Outdoor WB°C													
	-9		-6		-5		6		12		15		18	
	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)
15	1.181	1.181	1.471	1.471	1.568	1.568	2.630	2.630	3.210	3.210	3.500	3.500	3.790	3.790
17	1.154	1.154	1.442	1.442	1.538	1.538	2.591	2.591	3.123	3.123	3.402	3.402	3.682	3.682
19	1.126	1.126	1.413	1.413	1.508	1.508	2.552	2.552	3.035	3.035	3.305	3.305	3.574	3.574
21	1.098	1.098	1.383	1.383	1.479	1.479	2.512	2.512	2.948	2.948	3.207	3.207	3.466	3.466
23	1.094	1.094	1.360	1.360	1.449	1.449	2.416	2.416	2.860	2.860	3.110	3.110	3.359	3.359
25	1.090	1.090	1.337	1.337	1.419	1.419	2.320	2.320	2.773	2.773	3.012	3.012	3.251	3.251
27	1.086	1.086	1.314	1.314	1.389	1.389	2.224	2.224	2.686	2.686	2.914	2.914	3.143	3.143
	FROST REGION													

Heat Pump (R22)

Model: MWM10G2R - MLC010CR
Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
200	16°C	21°C	2.62	1.90	0.65	2.53	1.85	0.71	2.43	1.80	0.77	2.34	1.75	0.83	2.15	1.63	0.90	1.98	1.53	0.99
		24°C	2.62	2.28	0.65	2.53	2.23	0.71	2.44	2.17	0.77	2.34	2.12	0.83	2.15	1.98	0.90	1.99	1.87	0.99
		27°C	2.64	2.58	0.65	2.56	2.53	0.71	2.47	2.47	0.77	2.37	2.37	0.83	2.19	2.19	0.90	2.04	2.04	1.00
		30°C	2.73	2.73	0.66	2.65	2.65	0.71	2.57	2.57	0.77	2.48	2.48	0.84	2.30	2.30	0.91	2.15	2.15	1.01
	19°C	24°C	2.89	1.78	0.66	2.79	1.73	0.72	2.69	1.69	0.78	2.58	1.64	0.84	2.37	1.53	0.92	2.19	1.44	1.01
		27°C	2.89	2.03	0.66	2.79	1.99	0.72	2.69	1.94	0.78	2.58	1.89	0.84	2.37	1.77	0.92	2.20	1.68	1.01
		30°C	2.90	2.51	0.66	2.80	2.46	0.72	2.70	2.40	0.78	2.60	2.34	0.85	2.39	2.19	0.92	2.22	2.07	1.01
		33°C	2.93	2.93	0.67	2.84	2.84	0.72	2.74	2.74	0.78	2.65	2.65	0.85	2.45	2.45	0.92	2.29	2.29	1.02
	22°C	27°C	3.18	1.74	0.68	3.07	1.70	0.73	2.96	1.65	0.79	2.84	1.61	0.86	2.61	1.50	0.93	2.42	1.41	1.03
		30°C	3.18	2.12	0.68	3.07	2.07	0.73	2.96	2.03	0.79	2.84	1.98	0.86	2.61	1.85	0.93	2.42	1.76	1.03
		33°C	3.18	2.48	0.68	3.07	2.43	0.73	2.96	2.38	0.79	2.85	2.33	0.86	2.62	2.19	0.93	2.43	2.08	1.03
		36°C	3.19	2.81	0.68	3.09	2.75	0.73	2.98	2.69	0.80	2.87	2.63	0.86	2.65	2.47	0.94	2.46	2.34	1.03
250	16°C	21°C	2.73	1.99	0.66	2.63	1.93	0.71	2.53	1.88	0.77	2.43	1.83	0.84	2.23	1.70	0.91	2.05	1.60	1.00
		24°C	2.74	2.41	0.66	2.64	2.35	0.71	2.54	2.30	0.77	2.44	2.24	0.84	2.24	2.09	0.91	2.07	1.97	1.00
		27°C	2.77	2.74	0.66	2.68	2.67	0.72	2.58	2.58	0.78	2.49	2.49	0.84	2.30	2.30	0.91	2.14	2.14	1.01
		30°C	2.88	2.88	0.67	2.80	2.80	0.72	2.71	2.71	0.78	2.63	2.63	0.85	2.43	2.43	0.92	2.27	2.27	1.02
	19°C	24°C	3.00	1.88	0.67	2.90	1.83	0.73	2.79	1.78	0.79	2.68	1.73	0.85	2.46	1.62	0.92	2.27	1.52	1.02
		27°C	3.01	2.16	0.67	2.90	2.12	0.73	2.79	2.07	0.79	2.68	2.02	0.85	2.46	1.89	0.92	2.28	1.79	1.02
		30°C	3.02	2.67	0.67	2.92	2.61	0.73	2.81	2.55	0.79	2.71	2.49	0.85	2.49	2.33	0.93	2.31	2.20	1.02
		33°C	3.07	3.07	0.67	2.98	2.98	0.73	2.89	2.89	0.79	2.79	2.79	0.86	2.58	2.58	0.93	2.42	2.42	1.03
	22°C	27°C	3.30	1.84	0.68	3.18	1.80	0.74	3.07	1.75	0.80	2.94	1.70	0.87	2.71	1.59	0.94	2.50	1.50	1.04
		30°C	3.31	2.26	0.68	3.19	2.21	0.74	3.07	2.16	0.80	2.95	2.11	0.87	2.71	1.98	0.94	2.51	1.88	1.04
		33°C	3.31	2.64	0.68	3.20	2.59	0.74	3.08	2.54	0.80	2.96	2.49	0.87	2.72	2.33	0.94	2.52	2.21	1.04
		36°C	3.33	2.99	0.68	3.22	2.93	0.74	3.11	2.87	0.80	3.00	2.80	0.87	2.77	2.62	0.95	2.58	2.48	1.04
300	16°C	21°C	2.83	2.07	0.66	2.72	2.02	0.72	2.62	1.97	0.78	2.51	1.91	0.84	2.30	1.78	0.92	2.12	1.68	1.01
		24°C	2.84	2.52	0.67	2.74	2.46	0.72	2.64	2.40	0.78	2.53	2.33	0.85	2.32	2.18	0.92	2.15	2.05	1.01
		27°C	2.89	2.89	0.67	2.79	2.79	0.72	2.70	2.70	0.78	2.60	2.60	0.85	2.41	2.41	0.92	2.24	2.24	1.02
		30°C	3.03	3.03	0.67	2.94	2.94	0.73	2.85	2.85	0.79	2.76	2.76	0.86	2.56	2.56	0.93	2.39	2.39	1.03
	19°C	24°C	3.11	1.99	0.68	3.00	1.94	0.73	2.89	1.89	0.79	2.77	1.84	0.86	2.54	1.71	0.93	2.35	1.62	1.03
		27°C	3.12	2.30	0.68	3.01	2.25	0.73	2.90	2.19	0.79	2.78	2.14	0.86	2.55	2.00	0.93	2.36	1.89	1.03
		30°C	3.15	2.83	0.68	3.04	2.77	0.73	2.93	2.70	0.79	2.82	2.64	0.86	2.59	2.46	0.94	2.41	2.32	1.03
		33°C	3.22	3.22	0.68	3.12	3.12	0.74	3.03	3.03	0.80	2.93	2.93	0.87	2.71	2.71	0.94	2.54	2.54	1.04
	22°C	27°C	3.42	1.94	0.69	3.29	1.90	0.75	3.17	1.85	0.81	3.04	1.81	0.88	2.80	1.68	0.95	2.58	1.59	1.05
		30°C	3.42	2.40	0.69	3.30	2.35	0.75	3.18	2.30	0.81	3.05	2.25	0.88	2.80	2.11	0.95	2.59	2.00	1.05
		33°C	3.43	2.81	0.69	3.32	2.76	0.75	3.19	2.70	0.81	3.07	2.64	0.88	2.82	2.48	0.95	2.62	2.35	1.05
		36°C	3.47	3.17	0.69	3.36	3.11	0.75	3.24	3.05	0.81	3.12	2.97	0.88	2.89	2.77	0.96	2.69	2.61	1.06

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (ºC)
EDB: Entering Dry Bulb Temp. (ºC)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 0 ºC to 46ºC withoutpressure trip.

Model: MWM10G2R - MLC010CR
Heating Mode

ID WB°C	Outdoor WB°C													
	-9		-6		-5		6		12		15		18	
	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)
15	1.274	1.274	1.577	1.577	1.678	1.678	2.789	2.789	3.395	3.395	3.698	3.698	4.001	4.001
17	1.246	1.246	1.546	1.546	1.646	1.646	2.743	2.743	3.302	3.302	3.595	3.595	3.887	3.887
19	1.219	1.219	1.516	1.516	1.615	1.615	2.697	2.697	3.210	3.210	3.492	3.492	3.773	3.773
21	1.191	1.191	1.485	1.485	1.583	1.583	2.652	2.652	3.118	3.118	3.388	3.388	3.659	3.659
23	1.184	1.184	1.460	1.460	1.551	1.551	2.554	2.554	3.025	3.025	3.285	3.285	3.546	3.546
25	1.178	1.178	1.434	1.434	1.520	1.520	2.457	2.457	2.933	2.933	3.182	3.182	3.432	3.432
27	1.172	1.172	1.409	1.409	1.488	1.488	2.359	2.359	2.841	2.841	3.079	3.079	3.318	3.318
	FROST REGION													

Heat Pump (R22)

Model: MWM15G2R - MLC015CR
Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
220	16°C	21°C	3.32	2.28	0.91	3.20	2.22	0.99	3.08	2.16	1.07	2.96	2.10	1.16	2.72	1.96	1.26	2.51	1.84	1.38
		24°C	3.32	2.73	0.91	3.20	2.67	0.99	3.09	2.61	1.07	2.96	2.55	1.16	2.72	2.38	1.26	2.52	2.24	1.39
		27°C	3.35	3.10	0.91	3.24	3.03	0.99	3.12	2.96	1.07	3.01	2.88	1.16	2.77	2.68	1.26	2.58	2.52	1.39
		30°C	3.45	3.45	0.92	3.35	3.35	0.99	3.25	3.25	1.08	3.15	3.15	1.17	2.92	2.92	1.27	2.73	2.73	1.40
	19°C	24°C	3.66	2.13	0.93	3.53	2.08	1.00	3.40	2.02	1.09	3.27	1.97	1.18	3.00	1.83	1.28	2.78	1.72	1.41
		27°C	3.66	2.44	0.93	3.53	2.38	1.00	3.40	2.33	1.09	3.27	2.27	1.18	3.01	2.13	1.28	2.78	2.01	1.41
		30°C	3.67	3.01	0.93	3.54	2.95	1.00	3.42	2.88	1.09	3.29	2.81	1.18	3.03	2.63	1.28	2.81	2.49	1.41
		33°C	3.71	3.71	0.93	3.59	3.59	1.01	3.47	3.47	1.09	3.36	3.36	1.18	3.10	3.10	1.29	2.90	2.90	1.42
	22°C	27°C	4.03	2.09	0.94	3.89	2.04	1.02	3.75	1.99	1.11	3.60	1.93	1.20	3.31	1.80	1.30	3.06	1.70	1.44
		30°C	4.03	2.54	0.94	3.89	2.49	1.02	3.75	2.43	1.11	3.60	2.37	1.20	3.31	2.22	1.30	3.06	2.11	1.44
		33°C	4.03	2.97	0.94	3.89	2.91	1.02	3.75	2.86	1.11	3.60	2.80	1.20	3.31	2.63	1.30	3.07	2.49	1.44
		36°C	4.04	3.37	0.94	3.91	3.30	1.02	3.77	3.23	1.11	3.64	3.16	1.20	3.35	2.96	1.31	3.12	2.81	1.44
285	16°C	21°C	3.45	2.38	0.92	3.33	2.32	0.99	3.20	2.26	1.08	3.07	2.20	1.17	2.82	2.05	1.27	2.60	1.92	1.40
		24°C	3.46	2.89	0.92	3.34	2.83	1.00	3.21	2.76	1.08	3.08	2.69	1.17	2.83	2.51	1.27	2.62	2.37	1.40
		27°C	3.51	3.29	0.92	3.39	3.21	1.00	3.27	3.13	1.08	3.15	3.03	1.17	2.91	2.82	1.27	2.71	2.64	1.41
		30°C	3.65	3.65	0.93	3.55	3.55	1.01	3.44	3.44	1.09	3.33	3.33	1.18	3.08	3.08	1.29	2.88	2.88	1.42
	19°C	24°C	3.80	2.25	0.93	3.67	2.20	1.01	3.53	2.14	1.10	3.39	2.08	1.19	3.11	1.94	1.29	2.88	1.83	1.42
		27°C	3.81	2.60	0.94	3.67	2.54	1.01	3.54	2.48	1.10	3.40	2.42	1.19	3.12	2.27	1.29	2.88	2.14	1.42
		30°C	3.83	3.20	0.94	3.70	3.13	1.01	3.56	3.06	1.10	3.43	2.99	1.19	3.16	2.80	1.29	2.93	2.64	1.43
		33°C	3.89	3.89	0.94	3.77	3.77	1.02	3.65	3.65	1.10	3.53	3.53	1.20	3.27	3.27	1.30	3.06	3.06	1.44
	22°C	27°C	4.18	2.21	0.95	4.03	2.16	1.03	3.88	2.10	1.12	3.73	2.04	1.21	3.43	1.91	1.32	3.17	1.80	1.45
		30°C	4.18	2.71	0.95	4.04	2.65	1.03	3.89	2.59	1.12	3.73	2.53	1.21	3.43	2.37	1.32	3.17	2.25	1.45
		33°C	4.19	3.17	0.95	4.05	3.11	1.03	3.90	3.05	1.12	3.74	2.99	1.21	3.45	2.80	1.32	3.19	2.66	1.45
		36°C	4.22	3.59	0.95	4.08	3.52	1.03	3.94	3.45	1.12	3.80	3.37	1.22	3.50	3.15	1.32	3.27	2.97	1.46
345	16°C	21°C	3.58	2.49	0.93	3.45	2.42	1.00	3.32	2.36	1.09	3.18	2.29	1.18	2.92	2.14	1.28	2.69	2.01	1.41
		24°C	3.60	3.02	0.93	3.47	2.95	1.00	3.34	2.88	1.09	3.20	2.80	1.18	2.94	2.62	1.28	2.72	2.47	1.41
		27°C	3.66	3.46	0.93	3.54	3.37	1.01	3.42	3.28	1.09	3.30	3.18	1.19	3.05	2.94	1.29	2.84	2.75	1.42
		30°C	3.84	3.84	0.94	3.73	3.73	1.02	3.61	3.61	1.10	3.49	3.49	1.20	3.24	3.24	1.30	3.02	3.02	1.44
	19°C	24°C	3.94	2.39	0.94	3.80	2.33	1.02	3.65	2.27	1.11	3.51	2.21	1.20	3.22	2.06	1.30	2.97	1.94	1.43
		27°C	3.95	2.76	0.94	3.81	2.70	1.02	3.67	2.63	1.11	3.52	2.57	1.20	3.23	2.40	1.30	2.99	2.27	1.43
		30°C	3.99	3.40	0.95	3.84	3.32	1.02	3.71	3.25	1.11	3.57	3.17	1.20	3.28	2.96	1.31	3.05	2.79	1.44
		33°C	4.07	4.07	0.95	3.95	3.95	1.03	3.83	3.83	1.12	3.70	3.70	1.21	3.43	3.43	1.32	3.21	3.21	1.45
	22°C	27°C	4.33	2.33	0.96	4.17	2.28	1.04	4.01	2.23	1.13	3.85	2.17	1.22	3.54	2.02	1.33	3.27	1.91	1.46
		30°C	4.33	2.88	0.96	4.18	2.82	1.04	4.02	2.76	1.13	3.86	2.70	1.22	3.55	2.53	1.33	3.28	2.40	1.46
		33°C	4.35	3.37	0.96	4.20	3.31	1.04	4.04	3.24	1.13	3.89	3.17	1.23	3.57	2.97	1.33	3.31	2.82	1.46
		36°C	4.39	3.81	0.96	4.25	3.74	1.05	4.10	3.66	1.13	3.96	3.57	1.23	3.66	3.33	1.34	3.41	3.13	1.47

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (ºC)
EDB: Entering Dry Bulb Temp. (ºC)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 0 ºC to 46ºC withoutpressure trip.

Model: MWM15G2R - MLC015CR
Heating Mode

ID WB°C	Outdoor WB°C													
	-9		-6		-5		6		12		15		18	
	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)
15	1.533	1.533	1.925	1.925	2.055	2.055	3.489	3.489	4.271	4.271	4.662	4.662	5.503	5.053
17	1.494	1.494	1.885	1.885	2.016	2.016	3.442	3.442	4.154	4.154	4.531	4.531	4.909	4.909
19	1.454	1.454	1.846	1.846	1.976	1.976	3.396	3.396	4.038	4.038	4.401	4.401	4.765	4.765
21	1.414	1.414	1.806	1.806	1.937	1.937	3.350	3.350	3.921	3.921	4.271	4.271	4.621	4.621
23	1.413	1.413	1.776	1.776	1.898	1.898	3.215	3.215	3.805	3.805	4.141	4.141	4.478	4.478
25	1.411	1.411	1.746	1.746	1.858	1.858	3.081	3.081	3.688	3.688	4.011	4.011	4.334	4.334
27	1.409	1.409	1.717	1.717	1.819	1.819	2.946	2.946	3.572	3.572	3.881	3.881	4.190	4.190
	FROST REGION													

Heat Pump (R22)

Model: MWM20G2R - MLC018CR
Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
340	16°C	21°C	4.98	3.29	1.38	4.80	3.20	1.50	4.62	3.11	1.62	4.44	3.03	1.76	4.07	2.82	1.91	3.76	2.65	2.10
		24°C	4.98	3.94	1.38	4.81	3.85	1.50	4.63	3.76	1.62	4.44	3.66	1.76	4.08	3.42	1.91	3.78	3.23	2.10
		27°C	5.02	4.46	1.39	4.86	4.36	1.50	4.69	4.26	1.62	4.51	4.15	1.76	4.16	3.86	1.91	3.87	3.63	2.11
		30°C	5.18	5.18	1.39	5.03	5.03	1.51	4.88	4.88	1.63	4.72	4.72	1.77	4.38	4.38	1.93	4.09	4.09	2.13
	19°C	24°C	5.49	3.07	1.40	5.30	2.99	1.52	5.10	2.91	1.65	4.90	2.83	1.79	4.50	2.63	1.94	4.16	2.48	2.14
		27°C	5.49	3.51	1.40	5.30	3.43	1.52	5.11	3.35	1.65	4.91	3.27	1.79	4.51	3.06	1.94	4.17	2.90	2.14
		30°C	5.50	4.33	1.41	5.31	4.24	1.52	5.12	4.15	1.65	4.93	4.05	1.79	4.54	3.78	1.94	4.21	3.58	2.14
		33°C	5.57	5.57	1.41	5.39	5.39	1.53	5.21	5.21	1.65	5.03	5.03	1.80	4.66	4.66	1.95	4.35	4.35	2.15
	22°C	27°C	6.04	3.00	1.43	5.83	2.93	1.55	5.62	2.86	1.68	5.40	2.78	1.82	4.96	2.59	1.98	4.60	2.44	2.18
		30°C	6.04	3.66	1.43	5.83	3.58	1.55	5.62	3.50	1.68	5.40	3.42	1.82	4.97	3.20	1.98	4.60	3.03	2.18
		33°C	6.05	4.27	1.43	5.84	4.19	1.55	5.62	4.11	1.68	5.40	4.02	1.82	4.97	3.78	1.98	4.61	3.59	2.18
		36°C	6.06	4.85	1.43	5.86	4.75	1.55	5.66	4.65	1.68	5.46	4.55	1.83	5.03	4.26	1.98	4.68	4.05	2.18
410	16°C	21°C	5.18	3.43	1.40	4.99	3.34	1.51	4.80	3.25	1.63	4.61	3.16	1.77	4.23	2.94	1.92	3.90	2.77	2.12
		24°C	5.20	4.16	1.40	5.01	4.06	1.51	4.82	3.97	1.64	4.63	3.87	1.77	4.25	3.61	1.92	3.93	3.40	2.12
		27°C	5.26	4.73	1.40	5.08	4.62	1.51	4.91	4.50	1.64	4.73	4.36	1.78	4.37	4.05	1.93	4.07	3.79	2.13
		30°C	5.48	5.48	1.41	5.32	5.32	1.53	5.16	5.16	1.66	4.99	4.99	1.80	4.62	4.62	1.95	4.32	4.32	2.16
	19°C	24°C	5.71	3.24	1.42	5.50	3.16	1.53	5.30	3.08	1.66	5.08	2.99	1.80	4.67	2.79	1.96	4.31	2.63	2.15
		27°C	5.72	3.74	1.42	5.51	3.65	1.54	5.31	3.57	1.66	5.09	3.49	1.80	4.68	3.26	1.96	4.33	3.09	2.16
		30°C	5.74	4.61	1.42	5.54	4.51	1.54	5.35	4.41	1.67	5.14	4.30	1.81	4.73	4.02	1.96	4.39	3.80	2.16
		33°C	5.84	5.84	1.42	5.66	5.66	1.54	5.48	5.48	1.67	5.30	5.30	1.82	4.91	4.91	1.98	4.59	4.59	2.18
	22°C	27°C	6.27	3.18	1.44	6.05	3.10	1.56	5.82	3.02	1.70	5.59	2.94	1.84	5.14	2.74	1.99	4.75	2.59	2.20
		30°C	6.28	3.90	1.44	6.06	3.82	1.56	5.83	3.73	1.70	5.60	3.64	1.84	5.15	3.41	2.00	4.76	3.24	2.20
		33°C	6.29	4.57	1.45	6.07	4.48	1.57	5.85	4.39	1.70	5.62	4.29	1.84	5.17	4.03	2.00	4.79	3.82	2.20
		36°C	6.33	5.16	1.45	6.12	5.06	1.57	5.91	4.96	1.70	5.69	4.84	1.85	5.25	4.53	2.00	4.90	4.28	2.21
490	16°C	21°C	5.37	3.58	1.41	5.17	3.49	1.52	4.98	3.39	1.65	4.77	3.30	1.79	4.37	3.07	1.94	4.03	2.89	2.13
		24°C	5.40	4.35	1.41	5.20	4.24	1.52	5.01	4.14	1.65	4.81	4.03	1.79	4.41	3.76	1.94	4.08	3.55	2.14
		27°C	5.49	4.98	1.41	5.31	4.85	1.53	5.13	4.72	1.66	4.94	4.57	1.80	4.57	4.23	1.95	4.26	3.95	2.15
		30°C	5.76	5.76	1.42	5.59	5.59	1.54	5.42	5.42	1.67	5.24	5.24	1.82	4.85	4.85	1.97	4.53	4.53	2.18
	19°C	24°C	5.91	3.43	1.43	5.70	3.35	1.55	5.48	3.26	1.68	5.26	3.17	1.82	4.83	2.96	1.97	4.46	2.79	2.17
		27°C	5.93	3.97	1.43	5.72	3.88	1.55	5.50	3.79	1.68	5.28	3.70	1.82	4.85	3.46	1.97	4.48	3.27	2.17
		30°C	5.98	4.89	1.43	5.77	4.78	1.55	5.56	4.67	1.68	5.35	4.55	1.82	4.92	4.25	1.98	4.57	4.01	2.18
		33°C	6.11	6.11	1.44	5.93	5.93	1.56	5.75	5.75	1.69	5.56	5.56	1.84	5.15	5.15	2.00	4.81	4.81	2.21
	22°C	27°C	6.49	3.36	1.46	6.26	3.28	1.58	6.02	3.20	1.71	5.78	3.12	1.85	5.31	2.91	2.01	4.91	2.75	2.21
		30°C	6.50	4.14	1.46	6.27	4.06	1.58	6.03	3.97	1.71	5.79	3.88	1.86	5.32	3.63	2.01	4.92	3.45	2.22
		33°C	6.52	4.85	1.46	6.30	4.77	1.58	6.07	4.67	1.71	5.83	4.56	1.86	5.36	4.28	2.02	4.97	4.06	2.22
		36°C	6.58	5.48	1.46	6.38	5.38	1.59	6.16	5.26	1.72	5.93	5.13	1.87	5.48	4.78	2.03	5.11	4.50	2.24

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (ºC)
EDB: Entering Dry Bulb Temp. (ºC)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 0 ºC to 46ºC withoutpressure trip.

Model: MWM20G2R - MLC018CR
Heating Mode

ID WB°C	Outdoor WB°C													
	-9		-6		-5		6		12		15		18	
	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)
15	2.593	2.593	3.146	3.146	3.330	3.330	5.359	5.359	6.465	6.465	7.018	7.018	7.572	7.572
17	2.552	2.552	3.090	3.090	3.269	3.269	5.285	5.285	6.290	6.290	6.823	6.823	7.356	7.356
19	2.512	2.512	3.034	3.034	3.208	3.208	5.210	5.210	6.115	6.115	6.623	6.628	7.141	7.141
21	2.471	2.471	2.978	2.978	3.147	3.147	5.136	5.136	5.940	5.940	6.433	6.433	6.926	6.926
23	2.443	2.443	2.925	2.925	3.085	3.085	4.937	4.937	5.765	5.765	6.238	6.238	6.710	6.710
25	2.415	2.451	2.872	2.872	3.024	3.024	4.738	4.738	5.590	5.590	6.042	6.042	6.495	6.495
27	2.387	2.387	2.819	2.819	2.963	2.963	4.540	4.540	5.415	5.415	5.847	5.847	6.280	6.280
	FROST REGION													

Heat Pump (R22)

Model: MWM20G2R - MLC020CR
Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
340	16°C	21°C	5.25	3.52	1.37	5.07	3.42	1.48	4.88	3.33	1.61	4.68	3.24	1.74	4.30	3.01	1.89	3.97	2.83	2.09
		24°C	5.26	4.21	1.37	5.07	4.11	1.49	4.88	4.02	1.61	4.69	3.92	1.74	4.31	3.66	1.89	3.98	3.45	2.09
		27°C	5.30	4.77	1.38	5.12	4.67	1.49	4.94	4.56	1.61	4.76	4.44	1.75	4.39	4.13	1.90	4.08	3.88	2.09
		30°C	5.46	5.46	1.38	5.31	5.31	1.50	5.14	5.14	1.62	4.98	4.98	1.76	4.62	4.62	1.91	4.32	4.32	2.11
	19°C	24°C	5.79	3.28	1.39	5.59	3.20	1.51	5.38	3.11	1.64	5.17	3.03	1.77	4.75	2.82	1.92	4.39	2.65	2.12
		27°C	5.80	3.76	1.39	5.59	3.67	1.51	5.39	3.59	1.64	5.17	3.50	1.77	4.76	3.27	1.93	4.40	3.10	2.12
		30°C	5.80	4.64	1.40	5.60	4.54	1.51	5.41	4.44	1.64	5.20	4.33	1.78	4.79	4.05	1.93	4.44	3.83	2.13
		33°C	5.87	5.87	1.40	5.68	5.68	1.51	5.50	5.50	1.64	5.31	5.31	1.78	4.91	4.91	1.94	4.59	4.59	2.14
	22°C	27°C	6.37	3.21	1.42	6.15	3.14	1.54	5.93	3.06	1.67	5.70	2.97	1.81	5.24	2.77	1.96	4.85	2.61	2.16
		30°C	6.37	3.92	1.42	6.15	3.83	1.54	5.93	3.75	1.67	5.70	3.66	1.81	5.24	3.42	1.96	4.85	3.25	2.16
		33°C	6.38	4.57	1.42	6.16	4.49	1.54	5.93	4.40	1.67	5.70	4.31	1.81	5.25	4.04	1.96	4.86	3.84	2.16
		36°C	6.40	5.19	1.42	6.19	5.08	1.54	5.97	4.98	1.67	5.75	4.87	1.81	5.31	4.56	1.97	4.93	4.33	2.17
410	16°C	21°C	5.46	3.67	1.39	5.27	3.57	1.50	5.07	3.48	1.62	4.86	3.38	1.76	4.46	3.15	1.91	4.11	2.96	2.10
		24°C	5.48	4.45	1.39	5.28	4.35	1.50	5.09	4.24	1.62	4.88	4.14	1.76	4.48	3.86	1.91	4.14	3.64	2.11
		27°C	5.55	5.06	1.39	5.36	4.94	1.50	5.18	4.81	1.63	4.99	4.67	1.77	4.61	4.34	1.92	4.29	4.06	2.12
		30°C	5.78	5.78	1.40	5.61	5.61	1.52	5.44	5.44	1.64	5.26	5.26	1.78	4.88	4.88	1.94	4.56	4.56	2.14
	19°C	24°C	6.02	3.47	1.41	5.81	3.38	1.52	5.59	3.29	1.65	5.36	3.20	1.79	4.92	2.99	1.94	4.55	2.81	2.14
		27°C	6.03	4.00	1.41	5.82	3.91	1.52	5.60	3.82	1.65	5.37	3.73	1.79	4.94	3.49	1.94	4.56	3.30	2.14
		30°C	6.06	4.93	1.41	5.85	4.82	1.53	5.64	4.72	1.65	5.42	4.60	1.79	4.99	4.30	1.95	4.63	4.06	2.15
		33°C	6.16	6.16	1.41	5.97	5.97	1.53	5.78	5.78	1.66	5.59	5.59	1.81	5.18	5.18	1.96	4.84	4.84	2.17
	22°C	27°C	6.61	3.40	1.43	6.38	3.32	1.55	6.14	3.23	1.68	5.90	3.15	1.83	5.42	2.93	1.98	5.01	2.77	2.18
		30°C	6.62	4.17	1.43	6.39	4.08	1.55	6.15	3.99	1.68	5.91	3.90	1.83	5.43	3.65	1.98	5.02	3.47	2.18
		33°C	6.63	4.89	1.43	6.40	4.79	1.55	6.17	4.69	1.69	5.93	4.59	1.83	5.45	4.31	1.98	5.05	4.09	2.19
		36°C	6.67	5.52	1.44	6.46	5.42	1.56	6.23	5.31	1.69	6.01	5.18	1.83	5.54	4.85	1.99	5.17	4.57	2.20
490	16°C	21°C	5.67	3.83	1.40	5.46	3.73	1.51	5.25	3.63	1.64	5.03	3.53	1.77	4.62	3.29	1.92	4.25	3.10	2.12
		24°C	5.70	4.65	1.40	5.49	4.54	1.51	5.28	4.43	1.64	5.07	4.31	1.78	4.66	4.03	1.93	4.30	3.80	2.12
		27°C	5.79	5.33	1.40	5.60	5.19	1.52	5.41	5.05	1.64	5.22	4.89	1.78	4.82	4.53	1.94	4.49	4.23	2.14
		30°C	6.08	6.08	1.41	5.90	5.90	1.53	5.72	5.72	1.66	5.53	5.53	1.80	5.12	5.12	1.96	4.78	4.78	2.16
	19°C	24°C	6.24	3.67	1.42	6.01	3.58	1.54	5.78	3.49	1.66	5.55	3.39	1.81	5.09	3.16	1.96	4.70	2.99	2.16
		27°C	6.26	4.25	1.42	6.03	4.15	1.54	5.80	4.05	1.67	5.57	3.95	1.81	5.11	3.70	1.96	4.73	3.50	2.16
		30°C	6.31	5.23	1.42	6.08	5.11	1.54	5.87	5.00	1.67	5.64	4.87	1.81	5.19	4.55	1.97	4.82	4.29	2.17
		33°C	6.44	6.44	1.43	6.26	6.26	1.55	6.06	6.06	1.68	5.86	5.86	1.83	5.43	5.43	1.98	5.08	5.08	2.19
	22°C	27°C	6.84	3.59	1.45	6.60	3.51	1.57	6.35	3.43	1.70	6.10	3.34	1.84	5.60	3.11	2.00	5.18	2.94	2.20
		30°C	6.86	4.43	1.45	6.61	4.34	1.57	6.37	4.25	1.70	6.11	4.15	1.84	5.61	3.89	2.00	5.19	3.69	2.20
		33°C	6.88	5.19	1.45	6.64	5.10	1.57	6.40	4.99	1.70	6.15	4.88	1.85	5.66	4.58	2.00	5.24	4.34	2.20
		36°C	6.94	5.86	1.45	6.73	5.75	1.57	6.49	5.63	1.71	6.26	5.49	1.85	5.78	5.12	2.01	5.40	4.82	2.22

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (ºC)
EDB: Entering Dry Bulb Temp. (ºC)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 0 ºC to 46ºC withoutpressure trip.

Model: MWM20G2R - MLC020CR
Heating Mode

ID WB°C	Outdoor WB°C													
	-9		-6		-5		6		12		15		18	
	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)
15	2.056	2.506	3.124	3.124	3.330	3.330	5.597	5.597	6.834	6.834	7.452	7.452	8.071	8.071
17	2.446	2.446	3.062	3.062	3.267	3.267	5.546	5.546	6.648	6.648	7.245	7.245	7.841	7.841
19	2.386	2.385	2.999	2.999	3.204	3.204	5.494	5.494	6.462	6.462	7.037	7.037	7.612	7.612
21	2.326	2.326	2.937	2.937	3.140	3.140	5.443	5.443	6.276	6.276	6.829	6.829	7.382	7.382
23	2.319	2.319	2.887	2.887	3.077	3.077	5.204	5.204	6.089	6.089	6.621	6.621	7.153	7.153
25	2.311	2.311	2.838	2.838	3.014	3.014	4.965	4.965	5.903	5.903	6.413	6.413	6.923	6.923
27	2.304	2.304	2.789	2.789	2.951	2.951	4.726	4.726	5.717	5.717	6.205	6.205	6.694	6.694
	FROST REGION													

Heat Pump (R22)

Model: MWM25G2R - MLC025CR
Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
440	16°C	21°C	6.50	4.35	1.92	6.27	4.24	2.08	6.03	4.12	2.25	5.79	4.00	2.44	5.32	3.73	2.65	4.91	3.51	2.92
		24°C	6.50	5.21	1.92	6.27	5.09	2.08	6.04	4.97	2.25	5.80	4.85	2.44	5.33	4.53	2.65	4.93	4.27	2.92
		27°C	6.56	5.91	1.93	6.34	5.77	2.08	6.11	5.64	2.26	5.88	5.49	2.45	5.43	5.11	2.66	5.05	4.80	2.93
		30°C	6.76	6.76	1.93	6.56	6.56	2.09	6.36	6.36	2.27	6.16	6.16	2.47	5.71	5.71	2.68	5.34	5.34	2.96
	19°C	24°C	7.16	4.06	1.95	6.91	3.96	2.11	6.66	3.85	2.29	6.40	3.74	2.48	5.88	3.49	2.69	5.43	3.28	2.97
		27°C	7.17	4.65	1.95	6.92	4.54	2.11	6.66	4.44	2.29	6.40	4.33	2.48	5.88	4.05	2.70	5.44	3.84	2.97
		30°C	7.18	5.73	1.95	6.93	5.61	2.12	6.69	5.49	2.29	6.43	5.36	2.49	5.92	5.01	2.70	5.50	4.74	2.98
		33°C	7.27	7.27	1.96	7.03	7.03	2.12	6.80	6.80	2.30	6.57	6.57	2.50	6.08	6.08	2.71	5.68	5.68	2.99
	22°C	27°C	7.88	3.97	1.99	7.61	3.88	2.15	7.33	3.78	2.33	7.05	3.68	2.53	6.48	3.43	2.75	6.00	3.23	3.03
		30°C	7.88	4.84	1.99	7.61	4.74	2.15	7.33	4.63	2.34	7.05	4.52	2.53	6.48	4.23	2.75	6.00	4.02	3.03
		33°C	7.89	5.66	1.99	7.62	5.55	2.15	7.34	5.44	2.34	7.05	5.33	2.53	6.49	5.00	2.75	6.01	4.75	3.03
		36°C	7.91	6.42	1.99	7.65	6.29	2.16	7.39	6.16	2.34	7.12	6.02	2.54	6.56	5.64	2.75	6.10	5.35	3.04
490	16°C	21°C	6.76	4.54	1.94	6.51	4.42	2.10	6.27	4.30	2.27	6.01	4.18	2.46	5.52	3.89	2.67	5.09	3.66	2.94
		24°C	6.78	5.51	1.94	6.53	5.38	2.10	6.29	5.25	2.27	6.04	5.12	2.47	5.55	4.77	2.67	5.13	4.51	2.95
		27°C	6.86	6.25	1.95	6.63	6.11	2.10	6.40	5.95	2.28	6.17	5.77	2.47	5.70	5.36	2.69	5.31	5.02	2.96
		30°C	7.15	7.15	1.96	6.94	6.94	2.12	6.73	6.73	2.30	6.51	6.51	2.50	6.03	6.03	2.71	5.64	5.64	3.00
	19°C	24°C	7.45	4.29	1.97	7.18	4.18	2.13	6.91	4.08	2.31	6.63	3.96	2.51	6.09	3.69	2.72	5.63	3.48	3.00
		27°C	7.46	4.94	1.97	7.19	4.83	2.13	6.92	4.72	2.31	6.65	4.61	2.51	6.11	4.31	2.72	5.64	4.08	3.00
		30°C	7.49	6.10	1.97	7.23	5.97	2.14	6.97	5.83	2.32	6.71	5.69	2.51	6.18	5.32	2.73	5.73	5.03	3.01
		33°C	7.62	7.62	1.98	7.39	7.39	2.15	7.15	7.15	2.33	6.91	6.91	2.53	6.40	6.40	2.75	5.99	5.99	3.03
	22°C	27°C	8.18	4.20	2.01	7.89	4.10	2.17	7.60	4.00	2.36	7.30	3.89	2.56	6.71	3.63	2.77	6.20	3.43	3.05
		30°C	8.19	5.16	2.01	7.90	5.05	2.18	7.61	4.94	2.36	7.31	4.82	2.56	6.71	4.52	2.77	6.21	4.29	3.05
		33°C	8.21	6.04	2.01	7.92	5.93	2.18	7.63	5.81	2.36	7.33	5.68	2.56	6.74	5.33	2.78	6.25	5.06	3.06
		36°C	8.26	6.83	2.01	7.99	6.70	2.18	7.71	6.56	2.37	7.43	6.41	2.57	6.85	6.00	2.79	6.39	5.66	3.07
630	16°C	21°C	7.01	4.74	1.96	6.75	4.62	2.11	6.49	4.49	2.29	6.22	4.37	2.48	5.71	4.07	2.69	5.26	3.83	2.97
		24°C	7.05	5.75	1.96	6.79	5.62	2.12	6.53	5.48	2.29	6.27	5.34	2.49	5.76	4.98	2.70	5.32	4.70	2.97
		27°C	7.16	6.59	1.96	6.93	6.42	2.12	6.69	6.24	2.30	6.45	6.05	2.50	5.96	5.61	2.71	5.56	5.23	2.99
		30°C	7.52	7.52	1.98	7.30	7.30	2.15	7.07	7.07	2.33	6.84	6.84	2.53	6.33	6.33	2.74	5.92	5.92	3.03
	19°C	24°C	7.72	4.54	1.99	7.44	4.43	2.15	7.15	4.32	2.33	6.86	4.20	2.53	6.30	3.91	2.74	5.81	3.69	3.02
		27°C	7.74	5.26	1.99	7.46	5.13	2.15	7.18	5.01	2.33	6.89	4.89	2.53	6.33	4.58	2.74	5.85	4.33	3.02
		30°C	7.80	6.47	1.99	7.53	6.33	2.16	7.26	6.18	2.34	6.98	6.03	2.54	6.42	5.63	2.75	5.96	5.31	3.03
		33°C	7.97	7.97	2.00	7.74	7.74	2.17	7.50	7.50	2.35	7.25	7.25	2.56	6.72	6.72	2.78	6.28	6.28	3.07
	22°C	27°C	8.47	4.44	2.03	8.17	4.35	2.19	7.86	4.24	2.38	7.54	4.13	2.58	6.93	3.85	2.80	6.40	3.64	3.08
		30°C	8.48	5.48	2.03	8.18	5.37	2.19	7.87	5.26	2.38	7.56	5.14	2.58	6.94	4.81	2.80	6.42	4.56	3.08
		33°C	8.51	6.42	2.03	8.22	6.31	2.20	7.92	6.17	2.38	7.61	6.04	2.58	7.00	5.66	2.80	6.48	5.37	3.09
		36°C	8.59	7.25	2.03	8.32	7.12	2.20	8.03	6.96	2.39	7.74	6.79	2.59	7.15	6.33	2.82	6.67	5.96	3.11

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (ºC)
EDB: Entering Dry Bulb Temp. (ºC)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 0 ºC to 46ºC withoutpressure trip.

Model: MWM25G2R - MLC025CR
Heating Mode

ID WB°C	Outdoor WB°C													
	-9		-6		-5		6		12		15		18	
	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)
15	3.204	3.204	3.940	3.940	4.185	4.185	6.883	6.883	8.355	8.355	9.091	9.091	9.872	9.872
17	3.141	3.141	3.865	3.865	4.107	4.107	6.822	6.822	8.128	8.128	8.838	8.838	9.547	9.547
19	3.078	3.078	3.791	3.791	4.028	4.028	6.760	6.760	7.901	7.901	8.585	8.585	9.268	9.268
21	3.015	3.015	3.716	3.716	3.950	3.950	6.699	6.699	7.674	7.674	8.331	8.331	8.989	8.989
23	2.992	2.992	3.652	3.652	3.872	3.872	6.406	6.406	7.447	7.447	8.078	8.078	8.709	8.709
25	2.970	2.970	3.588	3.588	3.794	3.794	6.112	6.112	7.220	7.220	7.825	7.825	8.430	8.430
27	2.947	2.947	3.523	3.523	3.715	3.715	5.819	5.819	6.993	6.993	7.572	7.572	8.150	8.150
	FROST REGION													

Heat Pump (R22)

Model: MWM030FR - MLC028CR
Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
500	16°C	21°C	7.46	4.93	2.06	7.20	4.80	2.23	6.93	4.67	2.41	6.65	4.54	2.61	6.11	4.22	2.83	5.64	3.97	3.13
		24°C	7.47	5.90	2.06	7.21	5.76	2.23	6.94	5.63	2.41	6.66	5.49	2.61	6.12	5.13	2.84	5.66	4.84	3.13
		27°C	7.53	6.69	2.06	7.28	6.54	2.23	7.02	6.38	2.42	6.76	6.22	2.62	6.24	5.79	2.84	5.80	5.44	3.14
		30°C	7.76	7.76	2.07	7.54	7.54	2.24	7.31	7.31	2.43	7.07	7.07	2.64	6.56	6.56	2.87	6.14	6.14	3.17
	19°C	24°C	8.23	4.60	2.09	7.94	4.48	2.26	7.65	4.36	2.45	7.35	4.24	2.66	6.75	3.95	2.88	6.24	3.72	3.18
		27°C	8.23	5.26	2.09	7.94	5.14	2.26	7.65	5.03	2.45	7.35	4.90	2.66	6.76	4.59	2.89	6.25	4.35	3.18
		30°C	8.25	6.49	2.09	7.96	6.36	2.26	7.68	6.21	2.45	7.39	6.07	2.66	6.80	5.67	2.89	6.31	5.37	3.19
		33°C	8.35	8.35	2.10	8.07	8.07	2.27	7.81	7.81	2.46	7.55	7.55	2.67	6.98	6.98	2.90	6.53	6.53	3.20
	22°C	27°C	9.05	4.50	2.13	8.74	4.39	2.31	8.42	4.28	2.50	8.09	4.17	2.71	7.44	3.88	2.94	6.89	3.66	3.24
		30°C	9.06	5.49	2.13	8.74	5.37	2.31	8.42	5.25	2.50	8.09	5.12	2.71	7.44	4.80	2.94	6.89	4.55	3.24
		33°C	9.06	6.41	2.13	8.75	6.29	2.31	8.43	6.16	2.50	8.10	6.03	2.71	7.45	5.66	2.94	6.91	5.38	3.24
		36°C	9.09	7.27	2.13	8.79	7.12	2.31	8.49	6.97	2.50	8.18	6.82	2.72	7.54	6.39	2.95	7.01	6.06	3.25
630	16°C	21°C	7.76	5.14	2.08	7.48	5.01	2.25	7.20	4.87	2.43	6.91	4.74	2.64	6.34	4.41	2.86	5.85	4.15	3.15
		24°C	7.79	6.24	2.08	7.51	6.09	2.25	7.23	5.95	2.43	6.93	5.80	2.64	6.37	5.41	2.86	5.89	5.10	3.15
		27°C	7.88	7.09	2.08	7.62	6.92	2.25	7.35	6.74	2.44	7.09	6.54	2.65	6.54	6.08	2.88	6.10	5.68	3.17
		30°C	8.21	8.21	2.10	7.97	7.97	2.27	7.73	7.73	2.46	7.48	7.48	2.67	6.93	6.93	2.91	6.48	6.48	3.21
	19°C	24°C	8.55	4.86	2.11	8.25	4.74	2.28	7.94	4.62	2.47	7.62	4.49	2.68	7.00	4.18	2.91	6.46	3.94	3.21
		27°C	8.57	5.60	2.11	8.26	5.48	2.28	7.95	5.35	2.48	7.63	5.23	2.68	7.01	4.89	2.91	6.48	4.63	3.21
		30°C	8.61	6.91	2.11	8.31	6.76	2.29	8.01	6.61	2.48	7.71	6.45	2.69	7.09	6.03	2.92	6.58	5.69	3.22
		33°C	8.75	8.75	2.12	8.49	8.49	2.30	8.22	8.22	2.49	7.94	7.94	2.71	7.36	7.36	2.94	6.88	6.88	3.25
	22°C	27°C	9.40	4.76	2.15	9.07	4.65	2.33	8.73	4.53	2.52	8.38	4.41	2.74	7.70	4.11	2.97	7.13	3.88	3.27
		30°C	9.41	5.84	2.15	9.08	5.72	2.33	8.74	5.59	2.52	8.39	5.46	2.74	7.71	5.12	2.97	7.14	4.85	3.27
		33°C	9.43	6.85	2.15	9.10	6.71	2.33	8.76	6.58	2.53	8.42	6.44	2.74	7.75	6.04	2.97	7.18	5.73	3.27
		36°C	9.48	7.74	2.15	9.18	7.59	2.34	8.86	7.43	2.53	8.54	7.26	2.75	7.87	6.79	2.98	7.34	6.41	3.29
670	16°C	21°C	8.05	5.36	2.09	7.76	5.23	2.26	7.46	5.09	2.45	7.15	4.95	2.66	6.56	4.61	2.88	6.04	4.34	3.18
		24°C	8.09	6.52	2.10	7.80	6.36	2.27	7.51	6.21	2.45	7.20	6.04	2.66	6.61	5.64	2.89	6.11	5.32	3.18
		27°C	8.22	7.47	2.10	7.95	7.27	2.27	7.69	7.07	2.46	7.41	6.85	2.67	6.85	6.35	2.90	6.38	5.93	3.21
		30°C	8.63	8.63	2.12	8.38	8.38	2.30	8.12	8.12	2.49	7.86	7.86	2.70	7.27	7.27	2.94	6.79	6.79	3.24
	19°C	24°C	8.86	5.14	2.13	8.54	5.02	2.30	8.22	4.89	2.49	7.88	4.75	2.71	7.23	4.43	2.93	6.68	4.18	3.23
		27°C	8.89	5.95	2.13	8.57	5.81	2.30	8.25	5.68	2.50	7.91	5.54	2.71	7.27	5.18	2.94	6.71	4.90	3.24
		30°C	8.96	7.32	2.13	8.64	7.16	2.31	8.33	7.00	2.50	8.01	6.82	2.71	7.38	6.37	2.95	6.85	6.01	3.25
		33°C	9.15	9.15	2.14	8.89	8.89	2.32	8.61	8.61	2.52	8.33	8.33	2.74	7.72	7.72	2.97	7.22	7.22	3.28
	22°C	27°C	9.72	5.03	2.17	9.38	4.92	2.35	9.02	4.80	2.54	8.66	4.67	2.76	7.96	4.36	2.99	7.35	4.12	3.29
		30°C	9.74	6.20	2.17	9.40	6.09	2.35	9.04	5.95	2.55	8.68	5.82	2.76	7.97	5.45	2.99	7.38	5.16	3.30
		33°C	9.78	7.27	2.17	9.44	7.14	2.35	9.09	6.99	2.55	8.73	6.84	2.77	8.04	6.41	3.00	7.44	6.08	3.30
		36°C	9.86	8.21	2.18	9.55	8.06	2.36	9.22	7.88	2.56	8.89	7.69	2.78	8.22	7.17	3.01	7.66	6.75	3.33

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (ºC)
EDB: Entering Dry Bulb Temp. (ºC)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 0 ºC to 46ºC withoutpressure trip.

Model: MWM030FR - MLC028CR
Heating Mode

ID WB°C	Outdoor WB°C													
	-9		-6		-5		6		12		15		18	
	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)
15	3.527	3.527	4.422	4.422	4.720	4.720	8.000	8.000	9.790	9.790	10.684	10.684	11.579	11.579
17	3.437	3.437	4.332	4.332	4.630	4.630	7.939	7.939	9.523	9.523	10.386	10.386	11.250	11.250
19	3.347	3.347	4.241	4.241	4.540	4.540	7.877	7.877	9.256	9.256	10.088	10.088	10.920	10.920
21	3.256	3.256	4.151	4.151	4.449	4.449	7.816	7.816	8.989	8.989	9.790	9.790	10.591	10.591
23	3.252	3.252	4.082	4.082	4.359	4.359	7.461	7.461	8.722	8.722	9.492	9.492	10.262	10.262
25	3.247	3.247	7.014	7.014	4.269	4.269	7.105	7.105	8.455	8.455	9.194	9.194	9.932	9.932
27	3.242	3.242	3.945	3.945	4.179	4.179	6.750	6.750	8.188	8.188	8.896	8.896	9.603	9.603
	FROST REGION													

Heat Pump (R22)

Model: MWM030FR - MLC030CR
Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
500	16°C	21°C	8.29	5.47	2.24	7.99	5.33	2.42	7.70	5.19	2.62	7.39	5.04	2.84	6.78	4.69	3.08	6.26	4.41	3.40
		24°C	8.30	6.55	2.24	8.00	6.40	2.42	7.71	6.25	2.62	7.40	6.10	2.84	6.80	5.70	3.08	6.29	5.37	3.40
		27°C	8.36	7.43	2.24	8.09	7.26	2.42	7.80	7.09	2.63	7.51	6.91	2.85	6.93	6.43	3.09	6.45	6.04	3.41
		30°C	8.62	8.62	2.25	8.37	8.37	2.44	8.12	8.12	2.64	7.86	7.86	2.87	7.28	7.28	3.12	6.82	6.82	3.44
	19°C	24°C	9.14	5.11	2.27	8.82	4.98	2.46	8.50	4.85	2.67	8.16	4.71	2.89	7.50	4.39	3.14	6.93	4.13	3.46
		27°C	9.15	5.85	2.27	8.83	5.71	2.46	8.50	5.58	2.67	8.17	5.45	2.89	7.51	5.10	3.14	6.94	4.83	3.46
		30°C	9.16	7.21	2.27	8.85	7.06	2.46	8.53	6.90	2.67	8.21	6.74	2.89	7.56	6.30	3.14	7.01	5.96	3.46
		33°C	9.27	9.27	2.28	8.97	8.97	2.47	8.68	8.68	2.68	8.38	8.38	2.90	7.76	7.76	3.16	7.25	7.25	3.48
	22°C	27°C	10.06	5.00	2.31	9.71	4.88	2.51	9.36	4.76	2.72	8.99	4.63	2.95	8.27	4.31	3.20	7.65	4.06	3.52
		30°C	10.06	6.09	2.31	9.71	5.96	2.51	9.36	5.83	2.72	8.99	5.69	2.95	8.27	5.33	3.20	7.65	5.05	3.52
		33°C	10.07	7.12	2.31	9.72	6.98	2.51	9.36	6.84	2.72	9.00	6.70	2.95	8.28	6.29	3.20	7.67	5.98	3.52
		36°C	10.10	8.07	2.32	9.76	7.91	2.51	9.43	7.75	2.72	9.08	7.57	2.95	8.38	7.10	3.21	7.79	6.74	3.53
630	16°C	21°C	8.62	5.71	2.26	8.31	5.56	2.44	8.00	5.41	2.64	7.67	5.26	2.87	7.04	4.90	3.11	6.49	4.61	3.43
		24°C	8.65	6.93	2.26	8.34	6.77	2.44	8.03	6.61	2.65	7.70	6.44	2.87	7.08	6.01	3.11	6.54	5.67	3.43
		27°C	8.75	7.87	2.26	8.46	7.69	2.45	8.17	7.49	2.65	7.88	7.27	2.88	7.27	6.75	3.13	6.77	6.31	3.45
		30°C	9.12	9.12	2.28	8.86	8.86	2.47	8.59	8.59	2.68	8.31	8.31	2.91	7.70	7.70	3.16	7.19	7.19	3.49
	19°C	24°C	9.50	5.40	2.29	9.16	5.27	2.48	8.82	5.13	2.69	8.46	4.99	2.92	7.77	4.65	3.16	7.18	4.38	3.49
		27°C	9.52	6.22	2.29	9.18	6.08	2.48	8.84	5.95	2.69	8.48	5.80	2.92	7.79	5.43	3.17	7.20	5.14	3.49
		30°C	9.56	7.67	2.30	9.23	7.51	2.49	8.90	7.34	2.70	8.56	7.16	2.92	7.88	6.70	3.17	7.31	6.33	3.50
		33°C	9.72	9.72	2.30	9.43	9.43	2.50	9.13	9.13	2.71	8.82	8.82	2.94	8.17	8.17	3.20	7.64	7.64	3.53
	22°C	27°C	10.44	5.29	2.34	10.07	5.16	2.53	9.70	5.03	2.74	9.31	4.90	2.97	8.56	4.57	3.23	7.91	4.31	3.55
		30°C	10.45	6.49	2.34	10.08	6.35	2.53	9.71	6.21	2.74	9.32	6.07	2.98	8.57	5.68	3.23	7.93	5.39	3.56
		33°C	10.47	7.60	2.34	10.11	7.46	2.53	9.74	7.31	2.75	9.35	7.15	2.98	8.60	6.71	3.23	7.98	6.37	3.56
		36°C	10.54	8.60	2.34	10.20	8.43	2.54	9.84	8.26	2.75	9.48	8.07	2.99	8.75	7.55	3.24	8.16	7.12	3.58
670	16°C	21°C	8.94	5.96	2.28	8.61	5.80	2.46	8.28	5.65	2.66	7.94	5.49	2.89	7.28	5.12	3.13	6.71	4.82	3.45
		24°C	8.99	7.24	2.28	8.66	7.07	2.46	8.34	6.89	2.67	8.00	6.71	2.89	7.35	6.26	3.14	6.79	5.91	3.46
		27°C	9.13	8.29	2.28	8.84	8.08	2.47	8.54	7.85	2.68	8.23	7.61	2.91	7.61	7.05	3.16	7.09	6.58	3.48
		30°C	9.59	9.59	2.30	9.31	9.31	2.50	9.02	9.02	2.71	8.73	8.73	2.94	8.08	8.08	3.19	7.55	7.55	3.53
	19°C	24°C	9.84	5.71	2.31	9.49	5.57	2.50	9.13	5.43	2.71	8.75	5.28	2.94	8.03	4.92	3.19	7.42	4.64	3.51
		27°C	9.87	6.61	2.31	9.52	6.46	2.51	9.16	6.31	2.71	8.79	6.15	2.94	8.07	5.75	3.19	7.46	5.44	3.52
		30°C	9.95	8.13	2.32	9.60	7.96	2.51	9.26	7.77	2.72	8.90	7.58	2.95	8.20	7.08	3.20	7.61	6.67	3.53
		33°C	10.17	10.17	2.33	9.87	9.87	2.53	9.57	9.57	2.74	9.25	9.25	2.98	8.57	8.57	3.23	8.02	8.02	3.57
	22°C	27°C	10.80	5.59	2.36	10.42	5.47	2.55	10.03	5.33	2.77	9.62	5.19	3.00	8.84	4.84	3.25	8.17	4.57	3.58
		30°C	10.82	6.89	2.36	10.44	6.76	2.55	10.04	6.61	2.77	9.64	6.46	3.00	8.86	6.05	3.26	8.19	5.74	3.59
		33°C	10.86	8.07	2.36	10.48	7.93	2.56	10.10	7.77	2.77	9.70	7.60	3.01	8.93	7.12	3.26	8.27	6.76	3.59
		36°C	10.96	9.12	2.37	10.61	8.95	2.56	10.25	8.76	2.78	9.88	8.54	3.02	9.13	7.96	3.28	8.51	7.50	3.62

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (ºC)
EDB: Entering Dry Bulb Temp. (ºC)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 0 ºC to 46ºC withoutpressure trip.

Model: MWM030FR - MLC030CR
Heating Mode

ID DBoC	Outdoor WBoC													
	-9		-6		-5		6		12		15		18	
	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)
15	5.37	5.37	6.20	6.20	6.47	6.47	9.50	9.50	11.15	11.15	11.98	11.98	12.80	12.80
17	5.37	5.37	6.11	6.11	6.36	6.36	9.26	9.26	10.85	10.85	11.65	11.65	12.44	12.44
19	5.36	5.36	6.03	6.03	6.25	6.25	9.03	9.03	10.56	10.56	11.32	11.32	12.08	12.08
21	5.36	5.36	5.94	5.94	6.14	6.14	8.79	8.79	10.26	10.26	10.99	10.99	11.71	11.71
23	5.22	5.22	5.82	5.82	6.03	6.03	8.56	8.56	9.96	9.96	10.65	10.65	11.35	11.35
25	5.09	5.09	5.71	5.71	5.91	5.91	8.34	8.34	9.66	9.66	10.32	10.32	10.98	10.98
27	4.95	4.95	5.59	5.59	5.80	5.80	8.11	8.11	9.36	9.36	9.99	9.99	10.62	10.62
	FROST REGION													

Cooling Only (R410A)

Model: M5WM07G2 - M5LC007C
Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
175	16°C	21°C	2.07	1.49	0.52	2.00	1.45	0.56	1.93	1.41	0.61	1.85	1.37	0.66	1.70	1.27	0.71	1.57	1.20	0.78
		24°C	2.08	1.78	0.52	2.00	1.74	0.56	1.93	1.70	0.61	1.85	1.66	0.66	1.70	1.55	0.71	1.57	1.46	0.79
		27°C	2.09	2.02	0.52	2.02	1.97	0.56	1.95	1.93	0.61	1.88	1.88	0.66	1.73	1.73	0.71	1.61	1.61	0.79
		30°C	2.16	2.16	0.52	2.10	2.10	0.56	2.03	2.03	0.61	1.97	1.97	0.66	1.82	1.82	0.72	1.71	1.71	0.80
	19°C	24°C	2.29	1.39	0.52	2.21	1.35	0.57	2.13	1.32	0.62	2.04	1.28	0.67	1.88	1.19	0.72	1.73	1.12	0.80
		27°C	2.29	1.59	0.52	2.21	1.55	0.57	2.13	1.52	0.62	2.04	1.48	0.67	1.88	1.38	0.72	1.74	1.31	0.80
		30°C	2.29	1.96	0.53	2.21	1.92	0.57	2.13	1.87	0.62	2.05	1.83	0.67	1.89	1.71	0.73	1.75	1.62	0.80
		33°C	2.32	2.32	0.53	2.24	2.24	0.57	2.17	2.17	0.62	2.10	2.10	0.67	1.94	1.94	0.73	1.81	1.81	0.80
	22°C	27°C	2.52	1.36	0.53	2.43	1.33	0.58	2.34	1.29	0.63	2.25	1.26	0.68	2.07	1.17	0.74	1.91	1.10	0.81
		30°C	2.52	1.66	0.53	2.43	1.62	0.58	2.34	1.58	0.63	2.25	1.55	0.68	2.07	1.45	0.74	1.92	1.37	0.81
		33°C	2.52	1.93	0.53	2.43	1.90	0.58	2.34	1.86	0.63	2.25	1.82	0.68	2.07	1.71	0.74	1.92	1.62	0.81
		36°C	2.53	2.19	0.53	2.44	2.15	0.58	2.36	2.10	0.63	2.27	2.06	0.68	2.10	1.93	0.74	1.95	1.83	0.82
225	16°C	21°C	2.16	1.55	0.52	2.08	1.51	0.56	2.00	1.47	0.61	1.92	1.43	0.66	1.76	1.33	0.72	1.62	1.25	0.79
		24°C	2.16	1.88	0.52	2.09	1.84	0.56	2.01	1.79	0.61	1.93	1.75	0.66	1.77	1.63	0.72	1.64	1.54	0.79
		27°C	2.19	2.14	0.52	2.12	2.09	0.57	2.04	2.03	0.61	1.97	1.97	0.67	1.82	1.82	0.72	1.69	1.69	0.80
		30°C	2.28	2.28	0.53	2.22	2.22	0.57	2.15	2.15	0.62	2.08	2.08	0.67	1.93	1.93	0.73	1.80	1.80	0.81
	19°C	24°C	2.38	1.47	0.53	2.29	1.43	0.57	2.21	1.39	0.62	2.12	1.35	0.67	1.95	1.26	0.73	1.80	1.19	0.81
		27°C	2.38	1.69	0.53	2.30	1.65	0.57	2.21	1.62	0.62	2.12	1.58	0.67	1.95	1.47	0.73	1.80	1.40	0.81
		30°C	2.39	2.08	0.53	2.31	2.04	0.57	2.23	1.99	0.62	2.14	1.95	0.68	1.97	1.82	0.73	1.83	1.72	0.81
		33°C	2.43	2.43	0.53	2.36	2.36	0.58	2.28	2.28	0.63	2.21	2.21	0.68	2.05	2.05	0.74	1.91	1.91	0.81
	22°C	27°C	2.61	1.44	0.54	2.52	1.40	0.58	2.43	1.37	0.63	2.33	1.33	0.69	2.14	1.24	0.75	1.98	1.17	0.82
		30°C	2.62	1.76	0.54	2.52	1.73	0.58	2.43	1.69	0.63	2.33	1.65	0.69	2.14	1.54	0.75	1.98	1.46	0.82
		33°C	2.62	2.07	0.54	2.53	2.03	0.59	2.44	1.98	0.63	2.34	1.94	0.69	2.15	1.82	0.75	2.00	1.73	0.82
		36°C	2.64	2.33	0.54	2.55	2.29	0.59	2.46	2.24	0.64	2.37	2.19	0.69	2.19	2.05	0.75	2.04	1.93	0.83
275	16°C	21°C	2.24	1.62	0.53	2.16	1.58	0.57	2.07	1.54	0.62	1.99	1.49	0.67	1.82	1.39	0.72	1.68	1.31	0.80
		24°C	2.25	1.97	0.53	2.17	1.92	0.57	2.09	1.87	0.62	2.00	1.82	0.67	1.84	1.70	0.72	1.70	1.60	0.80
		27°C	2.29	2.25	0.53	2.21	2.20	0.57	2.14	2.13	0.62	2.06	2.06	0.67	1.90	1.90	0.73	1.77	1.77	0.80
		30°C	2.40	2.40	0.53	2.33	2.33	0.58	2.26	2.26	0.63	2.18	2.18	0.68	2.02	2.02	0.74	1.89	1.89	0.81
	19°C	24°C	2.46	1.55	0.53	2.37	1.51	0.58	2.28	1.48	0.63	2.19	1.44	0.68	2.01	1.34	0.74	1.86	1.26	0.81
		27°C	2.47	1.80	0.53	2.38	1.76	0.58	2.29	1.71	0.63	2.20	1.67	0.68	2.02	1.56	0.74	1.87	1.48	0.81
		30°C	2.49	2.21	0.54	2.40	2.16	0.58	2.32	2.11	0.63	2.23	2.06	0.68	2.05	1.92	0.74	1.90	1.81	0.82
		33°C	2.55	2.55	0.54	2.47	2.47	0.58	2.39	2.39	0.63	2.32	2.32	0.69	2.15	2.15	0.75	2.01	2.01	0.82
	22°C	27°C	2.70	1.52	0.54	2.61	1.49	0.59	2.51	1.45	0.64	2.41	1.41	0.69	2.21	1.32	0.75	2.04	1.24	0.83
		30°C	2.71	1.87	0.54	2.61	1.84	0.59	2.51	1.80	0.64	2.41	1.76	0.69	2.22	1.64	0.75	2.05	1.56	0.83
		33°C	2.72	2.19	0.55	2.62	2.16	0.59	2.53	2.11	0.64	2.43	2.06	0.69	2.23	1.93	0.75	2.07	1.84	0.83
		36°C	2.74	2.48	0.55	2.66	2.43	0.59	2.56	2.38	0.64	2.47	2.32	0.70	2.28	2.16	0.76	2.13	2.04	0.84

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (ºC)
EDB: Entering Dry Bulb Temp. (ºC)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 0 ºC to 46ºC withoutpressure trip.

Cooling Only (R410A)

Model: M5WM09G2 - M5LC009C
Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
175	16°C	21°C	2.49	1.74	0.65	2.40	1.69	0.71	2.31	1.65	0.77	2.22	1.60	0.83	2.04	1.49	0.90	1.88	1.40	0.99
		24°C	2.49	2.08	0.65	2.40	2.03	0.71	2.31	1.98	0.77	2.22	1.94	0.83	2.04	1.81	0.90	1.89	1.71	0.99
		27°C	2.51	2.36	0.65	2.43	2.30	0.71	2.34	2.25	0.77	2.25	2.19	0.83	2.08	2.04	0.90	1.94	1.92	1.00
		30°C	2.59	2.59	0.66	2.51	2.51	0.71	2.44	2.44	0.77	2.36	2.36	0.84	2.19	2.19	0.91	2.05	2.05	1.01
	19°C	24°C	2.74	1.62	0.66	2.65	1.58	0.72	2.55	1.54	0.78	2.45	1.49	0.84	2.25	1.39	0.92	2.08	1.31	1.01
		27°C	2.75	1.85	0.66	2.65	1.81	0.72	2.55	1.77	0.78	2.45	1.73	0.84	2.25	1.62	0.92	2.08	1.53	1.01
		30°C	2.75	2.29	0.66	2.66	2.24	0.72	2.56	2.19	0.78	2.46	2.14	0.85	2.27	2.00	0.92	2.11	1.89	1.01
		33°C	2.78	2.78	0.67	2.69	2.69	0.72	2.61	2.61	0.78	2.52	2.52	0.85	2.33	2.33	0.92	2.18	2.18	1.02
	22°C	27°C	3.02	1.59	0.68	2.91	1.55	0.73	2.81	1.51	0.79	2.70	1.47	0.86	2.48	1.37	0.93	2.30	1.29	1.03
		30°C	3.02	1.93	0.68	2.92	1.89	0.73	2.81	1.85	0.79	2.70	1.81	0.86	2.48	1.69	0.93	2.30	1.60	1.03
		33°C	3.02	2.26	0.68	2.92	2.22	0.73	2.81	2.17	0.79	2.70	2.13	0.86	2.49	2.00	0.93	2.30	1.90	1.03
		36°C	3.03	2.56	0.68	2.93	2.51	0.73	2.83	2.46	0.80	2.73	2.40	0.86	2.51	2.25	0.94	2.34	2.14	1.03
225	16°C	21°C	2.59	1.81	0.66	2.50	1.77	0.71	2.40	1.72	0.77	2.30	1.67	0.84	2.11	1.55	0.91	1.95	1.46	1.00
		24°C	2.60	2.20	0.66	2.50	2.15	0.71	2.41	2.10	0.77	2.31	2.04	0.84	2.13	1.91	0.91	1.96	1.80	1.00
		27°C	2.63	2.50	0.66	2.54	2.44	0.72	2.45	2.38	0.78	2.36	2.31	0.84	2.18	2.14	0.91	2.03	2.00	1.01
		30°C	2.74	2.74	0.67	2.66	2.66	0.72	2.58	2.58	0.78	2.49	2.49	0.85	2.31	2.31	0.92	2.16	2.16	1.02
	19°C	24°C	2.85	1.71	0.67	2.75	1.67	0.73	2.65	1.63	0.79	2.54	1.58	0.85	2.33	1.47	0.92	2.16	1.39	1.02
		27°C	2.86	1.97	0.67	2.76	1.93	0.73	2.65	1.89	0.79	2.55	1.84	0.85	2.34	1.72	0.92	2.16	1.63	1.02
		30°C	2.87	2.44	0.67	2.77	2.38	0.73	2.67	2.33	0.79	2.57	2.27	0.85	2.37	2.12	0.93	2.20	2.01	1.02
		33°C	2.92	2.92	0.67	2.83	2.83	0.73	2.74	2.74	0.79	2.65	2.65	0.86	2.45	2.45	0.93	2.29	2.29	1.03
	22°C	27°C	3.13	1.68	0.68	3.02	1.64	0.74	2.91	1.60	0.80	2.80	1.55	0.87	2.57	1.45	0.94	2.38	1.37	1.04
		30°C	3.14	2.06	0.68	3.03	2.02	0.74	2.92	1.97	0.80	2.80	1.93	0.87	2.57	1.80	0.94	2.38	1.71	1.04
		33°C	3.14	2.41	0.68	3.03	2.37	0.74	2.92	2.32	0.80	2.81	2.27	0.87	2.58	2.13	0.94	2.39	2.02	1.04
		36°C	3.16	2.73	0.68	3.06	2.68	0.74	2.95	2.62	0.80	2.85	2.56	0.87	2.63	2.40	0.95	2.45	2.26	1.04
275	16°C	21°C	2.69	1.89	0.66	2.59	1.84	0.72	2.49	1.79	0.78	2.38	1.74	0.84	2.19	1.62	0.92	2.02	1.53	1.01
		24°C	2.70	2.30	0.67	2.60	2.24	0.72	2.50	2.19	0.78	2.40	2.13	0.85	2.21	1.99	0.92	2.04	1.88	1.01
		27°C	2.74	2.63	0.67	2.65	2.57	0.72	2.56	2.49	0.78	2.47	2.42	0.85	2.28	2.24	0.92	2.13	2.09	1.02
		30°C	2.88	2.88	0.67	2.80	2.80	0.73	2.71	2.71	0.79	2.62	2.62	0.86	2.43	2.43	0.93	2.27	2.27	1.03
	19°C	24°C	2.96	1.81	0.68	2.85	1.77	0.73	2.74	1.72	0.79	2.63	1.68	0.86	2.41	1.56	0.93	2.23	1.47	1.03
		27°C	2.96	2.10	0.68	2.86	2.05	0.73	2.75	2.00	0.79	2.64	1.95	0.86	2.42	1.83	0.93	2.24	1.73	1.03
		30°C	2.99	2.58	0.68	2.88	2.53	0.73	2.78	2.47	0.79	2.67	2.41	0.86	2.46	2.25	0.94	2.29	2.12	1.03
		33°C	3.05	3.05	0.68	2.96	2.96	0.74	2.87	2.87	0.80	2.78	2.78	0.87	2.57	2.57	0.94	2.41	2.41	1.04
	22°C	27°C	3.24	1.77	0.69	3.13	1.74	0.75	3.01	1.69	0.81	2.89	1.65	0.88	2.65	1.54	0.95	2.45	1.45	1.05
		30°C	3.25	2.19	0.69	3.13	2.15	0.75	3.02	2.10	0.81	2.90	2.05	0.88	2.66	1.92	0.95	2.46	1.82	1.05
		33°C	3.26	2.56	0.69	3.15	2.52	0.75	3.03	2.47	0.81	2.91	2.41	0.88	2.68	2.26	0.95	2.48	2.15	1.05
		36°C	3.29	2.89	0.69	3.19	2.84	0.75	3.08	2.78	0.81	2.97	2.71	0.88	2.74	2.53	0.96	2.56	2.38	1.06

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (ºC)
EDB: Entering Dry Bulb Temp. (ºC)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 0 ºC to 46ºC withoutpressure trip.

Cooling Only (R410A)

Model: M5WM10G2 - M5LC010C
Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
200	16°C	21°C	2.62	1.88	0.69	2.53	1.83	0.75	2.43	1.78	0.81	2.34	1.73	0.88	2.15	1.61	0.95	1.98	1.51	1.05
		24°C	2.62	2.25	0.69	2.53	2.20	0.75	2.44	2.15	0.81	2.34	2.09	0.88	2.15	1.95	0.95	1.99	1.84	1.05
		27°C	2.64	2.55	0.69	2.56	2.49	0.75	2.47	2.43	0.81	2.37	2.37	0.88	2.19	2.19	0.96	2.04	2.04	1.05
		30°C	2.73	2.73	0.70	2.65	2.65	0.75	2.57	2.57	0.82	2.48	2.48	0.89	2.30	2.30	0.96	2.15	2.15	1.06
	19°C	24°C	2.89	1.75	0.70	2.79	1.71	0.76	2.69	1.66	0.82	2.58	1.62	0.89	2.37	1.51	0.97	2.19	1.42	1.07
		27°C	2.89	2.01	0.70	2.79	1.96	0.76	2.69	1.92	0.82	2.58	1.87	0.89	2.37	1.75	0.97	2.20	1.66	1.07
		30°C	2.90	2.48	0.70	2.80	2.42	0.76	2.70	2.37	0.82	2.60	2.31	0.89	2.39	2.16	0.97	2.22	2.05	1.07
		33°C	2.93	2.93	0.70	2.84	2.84	0.76	2.74	2.74	0.83	2.65	2.65	0.90	2.45	2.45	0.98	2.29	2.29	1.08
	22°C	27°C	3.18	1.72	0.72	3.07	1.67	0.77	2.96	1.63	0.84	2.84	1.59	0.91	2.61	1.48	0.99	2.42	1.40	1.09
		30°C	3.18	2.09	0.72	3.07	2.05	0.77	2.96	2.00	0.84	2.84	1.95	0.91	2.61	1.83	0.99	2.42	1.73	1.09
		33°C	3.18	2.44	0.72	3.07	2.40	0.77	2.96	2.35	0.84	2.85	2.30	0.91	2.62	2.16	0.99	2.43	2.05	1.09
		36°C	3.19	2.77	0.72	3.09	2.71	0.78	2.98	2.66	0.84	2.87	2.60	0.91	2.65	2.44	0.99	2.46	2.31	1.09
250	16°C	21°C	2.73	1.96	0.70	2.63	1.91	0.75	2.53	1.86	0.82	2.43	1.81	0.89	2.23	1.68	0.96	2.05	1.58	1.06
		24°C	2.74	2.38	0.70	2.64	2.32	0.76	2.54	2.27	0.82	2.44	2.21	0.89	2.24	2.06	0.96	2.07	1.95	1.06
		27°C	2.77	2.70	0.70	2.68	2.64	0.76	2.58	2.57	0.82	2.49	2.49	0.89	2.30	2.30	0.97	2.14	2.14	1.07
		30°C	2.88	2.88	0.70	2.80	2.80	0.76	2.71	2.71	0.83	2.63	2.63	0.90	2.43	2.43	0.98	2.27	2.27	1.08
	19°C	24°C	3.00	1.85	0.71	2.90	1.81	0.77	2.79	1.76	0.83	2.68	1.71	0.90	2.46	1.60	0.98	2.27	1.50	1.08
		27°C	3.01	2.14	0.71	2.90	2.09	0.77	2.79	2.04	0.83	2.68	1.99	0.90	2.46	1.86	0.98	2.28	1.76	1.08
		30°C	3.02	2.63	0.71	2.92	2.58	0.77	2.81	2.52	0.83	2.71	2.46	0.90	2.49	2.30	0.98	2.31	2.17	1.08
		33°C	3.07	3.07	0.71	2.98	2.98	0.77	2.89	2.89	0.84	2.79	2.79	0.91	2.58	2.58	0.99	2.42	2.42	1.09
	22°C	27°C	3.30	1.82	0.72	3.18	1.77	0.78	3.07	1.73	0.85	2.94	1.68	0.92	2.71	1.57	1.00	2.50	1.48	1.10
		30°C	3.31	2.23	0.72	3.19	2.18	0.78	3.07	2.13	0.85	2.95	2.08	0.92	2.71	1.95	1.00	2.51	1.85	1.10
		33°C	3.31	2.61	0.72	3.20	2.56	0.78	3.08	2.51	0.85	2.96	2.45	0.92	2.72	2.30	1.00	2.52	2.19	1.10
		36°C	3.33	2.95	0.72	3.22	2.89	0.78	3.11	2.83	0.85	3.00	2.77	0.92	2.77	2.59	1.00	2.58	2.44	1.11
300	16°C	21°C	2.83	2.05	0.70	2.72	1.99	0.76	2.62	1.94	0.82	2.51	1.89	0.89	2.30	1.76	0.97	2.12	1.65	1.07
		24°C	2.84	2.49	0.70	2.74	2.43	0.76	2.64	2.37	0.82	2.53	2.30	0.89	2.32	2.15	0.97	2.15	2.03	1.07
		27°C	2.89	2.85	0.71	2.79	2.77	0.76	2.70	2.70	0.83	2.60	2.60	0.90	2.41	2.41	0.98	2.24	2.24	1.08
		30°C	3.03	3.03	0.71	2.94	2.94	0.77	2.85	2.85	0.84	2.76	2.76	0.91	2.56	2.56	0.99	2.39	2.39	1.09
	19°C	24°C	3.11	1.96	0.72	3.00	1.91	0.77	2.89	1.86	0.84	2.77	1.81	0.91	2.54	1.69	0.99	2.35	1.59	1.09
		27°C	3.12	2.27	0.72	3.01	2.22	0.77	2.90	2.17	0.84	2.78	2.11	0.91	2.55	1.98	0.99	2.36	1.87	1.09
		30°C	3.15	2.79	0.72	3.04	2.73	0.78	2.93	2.67	0.84	2.82	2.60	0.91	2.59	2.43	0.99	2.41	2.29	1.09
		33°C	3.22	3.22	0.72	3.12	3.12	0.78	3.03	3.03	0.85	2.93	2.93	0.92	2.71	2.71	1.00	2.54	2.54	1.10
	22°C	27°C	3.42	1.92	0.73	3.29	1.88	0.79	3.17	1.83	0.86	3.04	1.78	0.93	2.80	1.66	1.01	2.58	1.57	1.11
		30°C	3.42	2.37	0.73	3.30	2.32	0.79	3.18	2.27	0.86	3.05	2.22	0.93	2.80	2.08	1.01	2.59	1.97	1.11
		33°C	3.43	2.77	0.73	3.32	2.72	0.79	3.19	2.67	0.86	3.07	2.61	0.93	2.82	2.44	1.01	2.62	2.32	1.11
		36°C	3.47	3.13	0.73	3.36	3.07	0.79	3.24	3.01	0.86	3.12	2.93	0.93	2.89	2.73	1.01	2.69	2.57	1.12

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (ºC)
EDB: Entering Dry Bulb Temp. (ºC)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 0 ºC to 46ºC withoutpressure trip.

Cooling Only (R410A)

Model: M5WM15G2 - M5LC015C
Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
220	16°C	21°C	3.32	2.28	0.93	3.20	2.22	1.01	3.08	2.16	1.09	2.96	2.10	1.19	2.72	1.96	1.29	2.51	1.84	1.42
		24°C	3.32	2.73	0.93	3.20	2.67	1.01	3.09	2.61	1.09	2.96	2.55	1.19	2.72	2.38	1.29	2.52	2.24	1.42
		27°C	3.35	3.10	0.94	3.24	3.03	1.01	3.12	2.96	1.10	3.01	2.88	1.19	2.77	2.68	1.29	2.58	2.52	1.43
		30°C	3.45	3.45	0.94	3.35	3.35	1.02	3.25	3.25	1.10	3.15	3.15	1.20	2.92	2.92	1.30	2.73	2.73	1.44
	19°C	24°C	3.66	2.13	0.95	3.53	2.08	1.03	3.40	2.02	1.11	3.27	1.97	1.21	3.00	1.83	1.31	2.78	1.72	1.44
		27°C	3.66	2.44	0.95	3.53	2.38	1.03	3.40	2.33	1.11	3.27	2.27	1.21	3.01	2.13	1.31	2.78	2.01	1.44
		30°C	3.67	3.01	0.95	3.54	2.95	1.03	3.42	2.88	1.11	3.29	2.81	1.21	3.03	2.63	1.31	2.81	2.49	1.45
		33°C	3.71	3.71	0.95	3.59	3.59	1.03	3.47	3.47	1.12	3.36	3.36	1.21	3.10	3.10	1.32	2.90	2.90	1.46
	22°C	27°C	4.03	2.09	0.97	3.89	2.04	1.05	3.75	1.99	1.14	3.60	1.93	1.23	3.31	1.80	1.34	3.06	1.70	1.47
		30°C	4.03	2.54	0.97	3.89	2.49	1.05	3.75	2.43	1.14	3.60	2.37	1.23	3.31	2.22	1.34	3.06	2.11	1.47
		33°C	4.03	2.97	0.97	3.89	2.91	1.05	3.75	2.86	1.14	3.60	2.80	1.23	3.31	2.63	1.34	3.07	2.49	1.47
		36°C	4.04	3.37	0.97	3.91	3.30	1.05	3.77	3.23	1.14	3.64	3.16	1.23	3.35	2.96	1.34	3.12	2.81	1.48
285	16°C	21°C	3.45	2.38	0.94	3.33	2.32	1.02	3.20	2.26	1.10	3.07	2.20	1.20	2.82	2.05	1.30	2.60	1.92	1.43
		24°C	3.46	2.89	0.94	3.34	2.83	1.02	3.21	2.76	1.11	3.08	2.69	1.20	2.83	2.51	1.30	2.62	2.37	1.43
		27°C	3.51	3.29	0.95	3.39	3.21	1.02	3.27	3.13	1.11	3.15	3.03	1.20	2.91	2.82	1.31	2.71	2.64	1.44
		30°C	3.65	3.65	0.95	3.55	3.55	1.03	3.44	3.44	1.12	3.33	3.33	1.21	3.08	3.08	1.32	2.88	2.88	1.46
	19°C	24°C	3.80	2.25	0.96	3.67	2.20	1.04	3.53	2.14	1.12	3.39	2.08	1.22	3.11	1.94	1.32	2.88	1.83	1.46
		27°C	3.81	2.60	0.96	3.67	2.54	1.04	3.54	2.48	1.12	3.40	2.42	1.22	3.12	2.27	1.32	2.88	2.14	1.46
		30°C	3.83	3.20	0.96	3.70	3.13	1.04	3.56	3.06	1.13	3.43	2.99	1.22	3.16	2.80	1.33	2.93	2.64	1.46
		33°C	3.89	3.89	0.96	3.77	3.77	1.04	3.65	3.65	1.13	3.53	3.53	1.23	3.27	3.27	1.34	3.06	3.06	1.47
	22°C	27°C	4.18	2.21	0.98	4.03	2.16	1.06	3.88	2.10	1.15	3.73	2.04	1.24	3.43	1.91	1.35	3.17	1.80	1.48
		30°C	4.18	2.71	0.98	4.04	2.65	1.06	3.89	2.59	1.15	3.73	2.53	1.24	3.43	2.37	1.35	3.17	2.25	1.49
		33°C	4.19	3.17	0.98	4.05	3.11	1.06	3.90	3.05	1.15	3.74	2.99	1.24	3.45	2.80	1.35	3.19	2.66	1.49
		36°C	4.22	3.59	0.98	4.08	3.52	1.06	3.94	3.45	1.15	3.80	3.37	1.25	3.50	3.15	1.35	3.27	2.97	1.49
345	16°C	21°C	3.58	2.49	0.95	3.45	2.42	1.03	3.32	2.36	1.11	3.18	2.29	1.21	2.92	2.14	1.31	2.69	2.01	1.44
		24°C	3.60	3.02	0.95	3.47	2.95	1.03	3.34	2.88	1.11	3.20	2.80	1.21	2.94	2.62	1.31	2.72	2.47	1.44
		27°C	3.66	3.46	0.95	3.54	3.37	1.03	3.42	3.28	1.12	3.30	3.18	1.21	3.05	2.94	1.32	2.84	2.75	1.46
		30°C	3.84	3.84	0.96	3.73	3.73	1.04	3.61	3.61	1.13	3.49	3.49	1.23	3.24	3.24	1.33	3.02	3.02	1.47
	19°C	24°C	3.94	2.39	0.97	3.80	2.33	1.05	3.65	2.27	1.13	3.51	2.21	1.23	3.22	2.06	1.33	2.97	1.94	1.47
		27°C	3.95	2.76	0.97	3.81	2.70	1.05	3.67	2.63	1.13	3.52	2.57	1.23	3.23	2.40	1.33	2.99	2.27	1.47
		30°C	3.99	3.40	0.97	3.84	3.32	1.05	3.71	3.25	1.14	3.57	3.17	1.23	3.28	2.96	1.34	3.05	2.79	1.48
		33°C	4.07	4.07	0.97	3.95	3.95	1.06	3.83	3.83	1.14	3.70	3.70	1.24	3.43	3.43	1.35	3.21	3.21	1.49
	22°C	27°C	4.33	2.33	0.98	4.17	2.28	1.07	4.01	2.23	1.16	3.85	2.17	1.25	3.54	2.02	1.36	3.27	1.91	1.50
		30°C	4.33	2.88	0.99	4.18	2.82	1.07	4.02	2.76	1.16	3.86	2.70	1.25	3.55	2.53	1.36	3.28	2.40	1.50
		33°C	4.35	3.37	0.99	4.20	3.31	1.07	4.04	3.24	1.16	3.89	3.17	1.26	3.57	2.97	1.36	3.31	2.82	1.50
		36°C	4.39	3.81	0.99	4.25	3.74	1.07	4.10	3.66	1.16	3.96	3.57	1.26	3.66	3.33	1.37	3.41	3.13	1.51

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (ºC)
EDB: Entering Dry Bulb Temp. (ºC)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 0 ºC to 46ºC withoutpressure trip.

Cooling Only (R410A)

Model: M5WM20G2 - M5LC020C

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
		21°C	4.93	3.30	1.24	4.76	3.22	1.34	4.58	3.13	1.45	4.40	3.04	1.57	4.04	2.83	1.71	3.73	2.66	1.88
		24°C	4.94	3.95	1.24	4.76	3.86	1.34	4.59	3.77	1.45	4.40	3.68	1.57	4.04	3.44	1.71	3.74	3.24	1.88
		27°C	4.98	4.48	1.24	4.81	4.38	1.34	4.64	4.28	1.45	4.47	4.17	1.58	4.12	3.88	1.71	3.83	3.64	1.89
	16°C	30°C	5.13	5.13	1.25	4.98	4.98	1.35	4.83	4.83	1.46	4.68	4.68	1.59	4.33	4.33	1.73	4.05	4.05	1.91
		24°C	5.44	3.08	1.26	5.25	3.00	1.36	5.05	2.92	1.48	4.85	2.84	1.60	4.46	2.65	1.74	4.12	2.49	1.91
		27°C	5.44	3.53	1.26	5.25	3.45	1.36	5.06	3.37	1.48	4.86	3.29	1.60	4.47	3.07	1.74	4.13	2.91	1.91
		30°C	5.45	4.35	1.26	5.26	4.26	1.36	5.08	4.17	1.48	4.88	4.06	1.60	4.50	3.80	1.74	4.17	3.60	1.92
	19°C	33°C	5.51	5.51	1.26	5.34	5.34	1.37	5.16	5.16	1.48	4.99	4.99	1.61	4.61	4.61	1.75	4.31	4.31	1.93
		27°C	5.98	3.02	1.28	5.78	2.94	1.39	5.57	2.87	1.50	5.35	2.79	1.63	4.92	2.60	1.77	4.55	2.45	1.95
		30°C	5.98	3.68	1.28	5.78	3.60	1.39	5.57	3.52	1.50	5.35	3.43	1.63	4.92	3.21	1.77	4.55	3.05	1.95
		33°C	5.99	4.29	1.28	5.78	4.21	1.39	5.57	4.13	1.50	5.35	4.04	1.63	4.93	3.80	1.77	4.57	3.61	1.95
340	22°C	36°C	6.01	4.87	1.28	5.81	4.77	1.39	5.61	4.67	1.51	5.40	4.57	1.64	4.98	4.28	1.77	4.63	4.06	1.96
		21°C	5.13	3.44	1.25	4.95	3.36	1.35	4.76	3.27	1.46	4.56	3.17	1.59	4.19	2.96	1.72	3.86	2.78	1.90
		24°C	5.15	4.18	1.25	4.96	4.08	1.35	4.78	3.99	1.46	4.58	3.88	1.59	4.21	3.62	1.72	3.89	3.42	1.90
		27°C	5.21	4.75	1.25	5.03	4.64	1.36	4.86	4.52	1.47	4.68	4.38	1.59	4.33	4.07	1.73	4.03	3.81	1.91
	16°C	30°C	5.43	5.43	1.26	5.27	5.27	1.37	5.11	5.11	1.48	4.94	4.94	1.61	4.58	4.58	1.75	4.28	4.28	1.93
		24°C	5.65	3.26	1.27	5.45	3.18	1.37	5.25	3.09	1.49	5.04	3.01	1.61	4.62	2.80	1.75	4.27	2.64	1.93
		27°C	5.66	3.75	1.27	5.46	3.67	1.38	5.26	3.59	1.49	5.05	3.50	1.62	4.64	3.27	1.75	4.29	3.10	1.93
		30°C	5.69	4.63	1.27	5.49	4.53	1.38	5.29	4.43	1.49	5.09	4.32	1.62	4.69	4.04	1.76	4.35	3.82	1.94
	19°C	33°C	5.78	5.78	1.28	5.61	5.61	1.38	5.43	5.43	1.50	5.25	5.25	1.63	4.86	4.86	1.77	4.55	4.55	1.95
		27°C	6.21	3.19	1.29	5.99	3.12	1.40	5.77	3.04	1.52	5.54	2.95	1.65	5.09	2.76	1.79	4.71	2.60	1.97
		30°C	6.22	3.91	1.29	6.00	3.83	1.40	5.78	3.75	1.52	5.55	3.66	1.65	5.10	3.43	1.79	4.72	3.25	1.97
		33°C	6.23	4.59	1.29	6.01	4.50	1.40	5.79	4.41	1.52	5.56	4.31	1.65	5.12	4.05	1.79	4.74	3.84	1.97
410	22°C	36°C	6.27	5.19	1.30	6.07	5.09	1.41	5.85	4.98	1.52	5.64	4.87	1.65	5.20	4.55	1.79	4.85	4.30	1.98
		21°C	5.32	3.59	1.26	5.13	3.50	1.36	4.93	3.41	1.48	4.72	3.32	1.60	4.33	3.09	1.73	3.99	2.91	1.91
		24°C	5.35	4.37	1.26	5.15	4.26	1.36	4.96	4.16	1.48	4.76	4.05	1.60	4.37	3.78	1.74	4.04	3.56	1.91
		27°C	5.43	5.01	1.26	5.26	4.88	1.37	5.08	4.74	1.48	4.90	4.59	1.61	4.53	4.25	1.75	4.22	3.97	1.93
	16°C	30°C	5.71	5.71	1.28	5.54	5.54	1.38	5.37	5.37	1.50	5.19	5.19	1.63	4.81	4.81	1.77	4.49	4.49	1.95
		24°C	5.86	3.45	1.28	5.64	3.36	1.39	5.43	3.28	1.50	5.21	3.19	1.63	4.78	2.97	1.77	4.41	2.80	1.95
		27°C	5.87	3.99	1.28	5.66	3.90	1.39	5.45	3.81	1.50	5.23	3.71	1.63	4.80	3.47	1.77	4.44	3.29	1.95
		30°C	5.92	4.91	1.28	5.71	4.80	1.39	5.51	4.69	1.51	5.30	4.57	1.63	4.88	4.27	1.77	4.53	4.03	1.95
	19°C	33°C	6.05	6.05	1.29	5.87	5.87	1.40	5.69	5.69	1.52	5.50	5.50	1.65	5.10	5.10	1.79	4.77	4.77	1.98
		27°C	6.43	3.37	1.30	6.20	3.30	1.41	5.96	3.22	1.53	5.72	3.13	1.66	5.26	2.92	1.80	4.86	2.76	1.98
		30°C	6.44	4.16	1.31	6.21	4.08	1.41	5.98	3.99	1.53	5.74	3.90	1.66	5.27	3.65	1.80	4.87	3.46	1.98
		33°C	6.46	4.87	1.31	6.24	4.79	1.42	6.01	4.69	1.54	5.77	4.58	1.66	5.31	4.30	1.81	4.92	4.08	1.99
490	22°C	36°C	6.52	5.50	1.31	6.32	5.40	1.42	6.10	5.28	1.54	5.88	5.15	1.67	5.43	4.81	1.81	5.07	4.52	2.00

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (ºC)
EDB: Entering Dry Bulb Temp. (ºC)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 0 ºC to 46ºC withoutpressure trip.

Cooling Only (R410A)

Model: M5WM20G2 - M5LC020C (3 Phase)
Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
340	16°C	21°C	4.98	3.33	1.26	4.80	3.25	1.37	4.62	3.16	1.48	4.44	3.07	1.60	4.07	2.86	1.74	3.76	2.69	1.92
		24°C	4.98	3.99	1.26	4.81	3.90	1.37	4.63	3.81	1.48	4.44	3.71	1.61	4.08	3.47	1.74	3.78	3.27	1.92
		27°C	5.02	4.53	1.27	4.86	4.42	1.37	4.69	4.32	1.48	4.51	4.21	1.61	4.16	3.92	1.75	3.87	3.68	1.93
		30°C	5.18	5.18	1.27	5.03	5.03	1.38	4.88	4.88	1.49	4.72	4.72	1.62	4.38	4.38	1.76	4.09	4.09	1.95
	19°C	24°C	5.49	3.11	1.28	5.30	3.03	1.39	5.10	2.95	1.51	4.90	2.87	1.63	4.50	2.67	1.77	4.16	2.52	1.95
		27°C	5.49	3.56	1.28	5.30	3.48	1.39	5.11	3.40	1.51	4.91	3.32	1.63	4.51	3.10	1.77	4.17	2.94	1.95
		30°C	5.50	4.39	1.28	5.31	4.30	1.39	5.12	4.20	1.51	4.93	4.10	1.63	4.54	3.84	1.77	4.21	3.63	1.96
		33°C	5.57	5.57	1.29	5.39	5.39	1.39	5.21	5.21	1.51	5.03	5.03	1.64	4.66	4.66	1.78	4.35	4.35	1.97
	22°C	27°C	6.04	3.05	1.31	5.83	2.97	1.42	5.62	2.90	1.53	5.40	2.82	1.66	4.96	2.63	1.81	4.60	2.48	1.99
		30°C	6.04	3.71	1.31	5.83	3.63	1.42	5.62	3.55	1.53	5.40	3.47	1.66	4.97	3.24	1.81	4.60	3.08	1.99
		33°C	6.05	4.34	1.31	5.84	4.25	1.42	5.62	4.17	1.54	5.40	4.08	1.67	4.97	3.83	1.81	4.61	3.64	1.99
		36°C	6.06	4.92	1.31	5.86	4.82	1.42	5.66	4.72	1.54	5.46	4.61	1.67	5.03	4.33	1.81	4.68	4.10	2.00
410	16°C	21°C	5.18	3.48	1.27	4.99	3.39	1.38	4.80	3.30	1.49	4.61	3.20	1.62	4.23	2.98	1.76	3.90	2.81	1.94
		24°C	5.20	4.22	1.28	5.01	4.12	1.38	4.82	4.02	1.49	4.63	3.92	1.62	4.25	3.66	1.76	3.93	3.45	1.94
		27°C	5.26	4.79	1.28	5.08	4.68	1.38	4.91	4.56	1.50	4.73	4.43	1.63	4.37	4.11	1.77	4.07	3.85	1.95
		30°C	5.48	5.48	1.29	5.32	5.32	1.39	5.16	5.16	1.51	4.99	4.99	1.64	4.62	4.62	1.78	4.32	4.32	1.97
	19°C	24°C	5.71	3.29	1.30	5.50	3.21	1.40	5.30	3.12	1.52	5.08	3.04	1.65	4.67	2.83	1.79	4.31	2.67	1.97
		27°C	5.72	3.79	1.30	5.51	3.71	1.40	5.31	3.62	1.52	5.09	3.54	1.65	4.68	3.31	1.79	4.33	3.13	1.97
		30°C	5.74	4.67	1.30	5.54	4.57	1.40	5.35	4.47	1.52	5.14	4.36	1.65	4.73	4.08	1.79	4.39	3.85	1.98
		33°C	5.84	5.84	1.30	5.66	5.66	1.41	5.48	5.48	1.53	5.30	5.30	1.66	4.91	4.91	1.81	4.59	4.59	1.99
	22°C	27°C	6.27	3.22	1.32	6.05	3.15	1.43	5.82	3.07	1.55	5.59	2.98	1.68	5.14	2.78	1.82	4.75	2.63	2.01
		30°C	6.28	3.95	1.32	6.06	3.87	1.43	5.83	3.78	1.55	5.60	3.70	1.68	5.15	3.46	1.82	4.76	3.28	2.01
		33°C	6.29	4.63	1.32	6.07	4.54	1.43	5.85	4.45	1.55	5.62	4.36	1.68	5.17	4.09	1.83	4.79	3.88	2.01
		36°C	6.33	5.24	1.32	6.12	5.14	1.43	5.91	5.03	1.56	5.69	4.91	1.69	5.25	4.60	1.83	4.90	4.34	2.02
490	16°C	21°C	5.37	3.63	1.29	5.17	3.54	1.39	4.98	3.44	1.51	4.77	3.35	1.63	4.37	3.12	1.77	4.03	2.93	1.95
		24°C	5.40	4.41	1.29	5.20	4.30	1.39	5.01	4.20	1.51	4.81	4.09	1.63	4.41	3.82	1.77	4.08	3.60	1.95
		27°C	5.49	5.05	1.29	5.31	4.92	1.40	5.13	4.78	1.51	4.94	4.64	1.64	4.57	4.30	1.78	4.26	4.01	1.97
		30°C	5.76	5.76	1.30	5.59	5.59	1.41	5.42	5.42	1.53	5.24	5.24	1.66	4.85	4.85	1.80	4.53	4.53	1.99
	19°C	24°C	5.91	3.48	1.31	5.70	3.39	1.41	5.48	3.31	1.53	5.26	3.22	1.66	4.83	3.00	1.80	4.46	2.83	1.98
		27°C	5.93	4.03	1.31	5.72	3.93	1.42	5.50	3.84	1.53	5.28	3.75	1.66	4.85	3.51	1.80	4.48	3.32	1.99
		30°C	5.98	4.96	1.31	5.77	4.85	1.42	5.56	4.74	1.54	5.35	4.62	1.67	4.92	4.31	1.81	4.57	4.07	1.99
		33°C	6.11	6.11	1.32	5.93	5.93	1.43	5.75	5.75	1.55	5.56	5.56	1.68	5.15	5.15	1.83	4.81	4.81	2.02
	22°C	27°C	6.49	3.40	1.33	6.26	3.33	1.44	6.02	3.25	1.56	5.78	3.16	1.69	5.31	2.95	1.84	4.91	2.79	2.02
		30°C	6.50	4.20	1.33	6.27	4.12	1.44	6.03	4.03	1.56	5.79	3.94	1.70	5.32	3.69	1.84	4.92	3.49	2.03
		33°C	6.52	4.92	1.33	6.30	4.83	1.44	6.07	4.73	1.57	5.83	4.63	1.70	5.36	4.34	1.84	4.97	4.12	2.03
		36°C	6.58	5.55	1.34	6.38	5.45	1.45	6.16	5.33	1.57	5.93	5.20	1.71	5.48	4.85	1.85	5.11	4.57	2.04

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (ºC)
EDB: Entering Dry Bulb Temp. (ºC)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 0 ºC to 46ºC withoutpressure trip.

Cooling Only (R410A)

Model: M5WM25G2 - M5LC025C
Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
440	16°C	21°C	5.62	4.03	1.41	5.42	3.92	1.53	5.22	3.82	1.66	5.01	3.71	1.79	4.60	3.45	1.95	4.25	3.25	2.15
		24°C	5.63	4.82	1.41	5.43	4.71	1.53	5.23	4.60	1.66	5.02	4.49	1.80	4.61	4.19	1.95	4.26	3.96	2.15
		27°C	5.67	5.47	1.42	5.48	5.34	1.53	5.29	5.22	1.66	5.09	5.08	1.80	4.70	4.70	1.95	4.37	4.37	2.16
		30°C	5.84	5.84	1.42	5.68	5.68	1.54	5.51	5.51	1.67	5.33	5.33	1.81	4.94	4.94	1.97	4.62	4.62	2.18
	19°C	24°C	6.20	3.76	1.44	5.98	3.67	1.55	5.76	3.57	1.68	5.53	3.47	1.83	5.08	3.23	1.98	4.70	3.04	2.18
		27°C	6.20	4.30	1.44	5.98	4.21	1.55	5.76	4.11	1.68	5.54	4.01	1.83	5.09	3.75	1.98	4.71	3.55	2.18
		30°C	6.21	5.31	1.44	6.00	5.20	1.55	5.78	5.08	1.69	5.57	4.96	1.83	5.12	4.64	1.98	4.75	4.39	2.19
		33°C	6.28	6.28	1.44	6.08	6.08	1.56	5.88	5.88	1.69	5.68	5.68	1.84	5.26	5.26	1.99	4.92	4.92	2.20
	22°C	27°C	6.82	3.68	1.46	6.58	3.59	1.58	6.34	3.50	1.72	6.09	3.41	1.86	5.60	3.17	2.02	5.19	2.99	2.23
		30°C	6.82	4.49	1.46	6.58	4.39	1.58	6.34	4.29	1.72	6.10	4.19	1.86	5.61	3.92	2.02	5.19	3.72	2.23
		33°C	6.82	5.24	1.46	6.59	5.14	1.58	6.35	5.04	1.72	6.10	4.93	1.86	5.61	4.63	2.02	5.20	4.40	2.23
		36°C	6.85	5.94	1.46	6.62	5.82	1.59	6.39	5.70	1.72	6.16	5.57	1.87	5.68	5.23	2.02	5.28	4.96	2.23
490	16°C	21°C	5.85	4.20	1.43	5.64	4.09	1.54	5.42	3.98	1.67	5.20	3.87	1.81	4.77	3.60	1.96	4.40	3.39	2.16
		24°C	5.86	5.10	1.43	5.65	4.98	1.54	5.44	4.86	1.67	5.22	4.74	1.81	4.80	4.42	1.97	4.43	4.17	2.17
		27°C	5.93	5.79	1.43	5.73	5.66	1.55	5.54	5.51	1.68	5.34	5.34	1.82	4.93	4.93	1.97	4.59	4.59	2.18
		30°C	6.18	6.18	1.44	6.00	6.00	1.56	5.82	5.82	1.69	5.63	5.63	1.84	5.22	5.22	2.00	4.88	4.88	2.20
	19°C	24°C	6.44	3.97	1.45	6.21	3.87	1.57	5.98	3.77	1.70	5.74	3.67	1.84	5.27	3.42	2.00	4.87	3.22	2.20
		27°C	6.45	4.58	1.45	6.22	4.48	1.57	5.99	4.37	1.70	5.75	4.27	1.84	5.28	3.99	2.00	4.88	3.78	2.20
		30°C	6.48	5.65	1.45	6.26	5.52	1.57	6.03	5.40	1.70	5.80	5.27	1.85	5.34	4.93	2.00	4.96	4.65	2.21
		33°C	6.59	6.59	1.46	6.39	6.39	1.58	6.19	6.19	1.71	5.98	5.98	1.86	5.54	5.54	2.02	5.18	5.18	2.23
	22°C	27°C	7.08	3.89	1.48	6.83	3.80	1.60	6.57	3.70	1.73	6.31	3.60	1.88	5.80	3.36	2.04	5.37	3.17	2.24
		30°C	7.09	4.77	1.48	6.84	4.68	1.60	6.58	4.57	1.73	6.32	4.46	1.88	5.81	4.18	2.04	5.37	3.97	2.25
		33°C	7.10	5.59	1.48	6.85	5.49	1.60	6.60	5.38	1.73	6.34	5.26	1.88	5.83	4.94	2.04	5.41	4.69	2.25
		36°C	7.14	6.32	1.48	6.91	6.20	1.60	6.67	6.08	1.74	6.43	5.93	1.89	5.93	5.55	2.05	5.53	5.24	2.26
630	16°C	21°C	6.06	4.38	1.44	5.84	4.27	1.55	5.62	4.16	1.68	5.38	4.04	1.83	4.94	3.77	1.98	4.55	3.55	2.18
		24°C	6.10	5.33	1.44	5.87	5.20	1.56	5.65	5.07	1.69	5.42	4.94	1.83	4.98	4.61	1.98	4.60	4.35	2.19
		27°C	6.19	6.11	1.44	5.99	5.95	1.56	5.79	5.78	1.69	5.58	5.58	1.84	5.16	5.16	1.99	4.81	4.81	2.20
		30°C	6.50	6.50	1.46	6.31	6.31	1.58	6.12	6.12	1.71	5.92	5.92	1.86	5.48	5.48	2.02	5.12	5.12	2.23
	19°C	24°C	6.67	4.21	1.46	6.43	4.10	1.58	6.19	4.00	1.71	5.94	3.89	1.86	5.45	3.62	2.02	5.03	3.42	2.22
		27°C	6.69	4.87	1.46	6.45	4.75	1.58	6.21	4.64	1.72	5.96	4.53	1.86	5.47	4.24	2.02	5.06	4.01	2.22
		30°C	6.75	5.99	1.47	6.51	5.86	1.59	6.28	5.72	1.72	6.04	5.58	1.86	5.56	5.21	2.02	5.16	4.91	2.23
		33°C	6.90	6.90	1.47	6.69	6.69	1.60	6.49	6.49	1.73	6.27	6.27	1.88	5.81	5.81	2.04	5.44	5.44	2.25
	22°C	27°C	7.32	4.11	1.49	7.06	4.02	1.61	6.80	3.92	1.75	6.52	3.82	1.90	5.99	3.56	2.06	5.54	3.37	2.26
		30°C	7.34	5.07	1.49	7.08	4.98	1.61	6.81	4.87	1.75	6.54	4.76	1.90	6.01	4.45	2.06	5.56	4.22	2.27
		33°C	7.36	5.94	1.49	7.11	5.84	1.62	6.85	5.72	1.75	6.58	5.59	1.90	6.05	5.24	2.06	5.61	4.97	2.27
		36°C	7.43	6.71	1.49	7.20	6.59	1.62	6.95	6.45	1.76	6.70	6.29	1.91	6.19	5.86	2.07	5.77	5.52	2.28

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (ºC)
EDB: Entering Dry Bulb Temp. (ºC)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 0 ºC to 46ºC withoutpressure trip.

Cooling Only (R410A)

Model: M5WM25G2 - M5LC025C (3 Phase)
Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
440	16°C	21°C	6.21	4.45	1.67	5.99	4.34	1.80	5.77	4.22	1.95	5.54	4.10	2.12	5.09	3.81	2.30	4.70	3.59	2.53
		24°C	6.22	5.33	1.67	6.00	5.21	1.80	5.78	5.09	1.95	5.55	4.96	2.12	5.10	4.64	2.30	4.71	4.37	2.53
		27°C	6.27	6.05	1.67	6.06	5.91	1.81	5.85	5.77	1.96	5.63	5.62	2.12	5.19	5.19	2.31	4.83	4.83	2.54
		30°C	6.46	6.46	1.68	6.28	6.28	1.82	6.09	6.09	1.97	5.89	5.89	2.14	5.46	5.46	2.33	5.11	5.11	2.57
	19°C	24°C	6.85	4.16	1.69	6.61	4.05	1.83	6.37	3.94	1.99	6.12	3.83	2.16	5.62	3.57	2.34	5.20	3.36	2.58
		27°C	6.86	4.76	1.69	6.62	4.65	1.83	6.37	4.54	1.99	6.12	4.43	2.16	5.63	4.15	2.34	5.20	3.93	2.58
		30°C	6.87	5.87	1.69	6.63	5.75	1.84	6.40	5.62	1.99	6.15	5.48	2.16	5.67	5.13	2.34	5.26	4.85	2.58
		33°C	6.95	6.95	1.70	6.72	6.72	1.84	6.50	6.50	1.99	6.28	6.28	2.17	5.81	5.81	2.35	5.43	5.43	2.60
	22°C	27°C	7.54	4.07	1.72	7.28	3.97	1.87	7.01	3.87	2.03	6.74	3.77	2.20	6.20	3.51	2.38	5.74	3.31	2.63
		30°C	7.54	4.96	1.72	7.28	4.85	1.87	7.01	4.74	2.03	6.74	4.63	2.20	6.20	4.33	2.38	5.74	4.11	2.63
		33°C	7.55	5.79	1.73	7.28	5.68	1.87	7.02	5.57	2.03	6.74	5.45	2.20	6.21	5.12	2.38	5.75	4.86	2.63
		36°C	7.57	6.57	1.73	7.32	6.44	1.87	7.07	6.30	2.03	6.81	6.16	2.20	6.28	5.78	2.39	5.84	5.48	2.63
490	16°C	21°C	6.46	4.64	1.68	6.23	4.53	1.82	5.99	4.40	1.97	5.75	4.28	2.14	5.28	3.99	2.32	4.87	3.75	2.55
		24°C	6.48	5.64	1.68	6.25	5.51	1.82	6.02	5.37	1.97	5.77	5.24	2.14	5.30	4.89	2.32	4.90	4.61	2.56
		27°C	6.56	6.40	1.69	6.34	6.25	1.83	6.12	6.09	1.98	5.90	5.90	2.15	5.45	5.45	2.33	5.08	5.08	2.57
		30°C	6.84	6.84	1.70	6.64	6.64	1.84	6.43	6.43	2.00	6.23	6.23	2.17	5.77	5.77	2.35	5.39	5.39	2.60
	19°C	24°C	7.12	4.39	1.71	6.87	4.28	1.85	6.61	4.17	2.01	6.34	4.06	2.17	5.83	3.78	2.36	5.38	3.56	2.60
		27°C	7.13	5.06	1.71	6.88	4.95	1.85	6.62	4.84	2.01	6.36	4.72	2.18	5.84	4.41	2.36	5.40	4.18	2.60
		30°C	7.17	6.24	1.71	6.92	6.11	1.85	6.67	5.97	2.01	6.42	5.83	2.18	5.91	5.45	2.37	5.48	5.15	2.61
		33°C	7.29	7.29	1.72	7.07	7.07	1.86	6.84	6.84	2.02	6.61	6.61	2.19	6.13	6.13	2.38	5.73	5.73	2.63
	22°C	27°C	7.82	4.30	1.74	7.55	4.20	1.89	7.27	4.09	2.05	6.98	3.98	2.22	6.41	3.72	2.41	5.93	3.51	2.65
		30°C	7.83	5.28	1.74	7.56	5.17	1.89	7.28	5.05	2.05	6.99	4.94	2.22	6.42	4.62	2.41	5.94	4.39	2.65
		33°C	7.85	6.19	1.74	7.58	6.07	1.89	7.30	5.94	2.05	7.01	5.82	2.22	6.45	5.46	2.41	5.98	5.18	2.65
		36°C	7.90	6.99	1.75	7.64	6.86	1.89	7.37	6.72	2.05	7.11	6.56	2.23	6.56	6.14	2.42	6.11	5.79	2.67
630	16°C	21°C	6.70	4.85	1.70	6.46	4.72	1.83	6.21	4.60	1.99	5.95	4.47	2.15	5.46	4.16	2.34	5.03	3.92	2.57
		24°C	6.74	5.89	1.70	6.49	5.75	1.84	6.25	5.61	1.99	6.00	5.46	2.16	5.51	5.10	2.34	5.09	4.81	2.58
		27°C	6.85	6.75	1.70	6.62	6.58	1.84	6.40	6.39	2.00	6.17	6.17	2.17	5.70	5.70	2.35	5.31	5.31	2.60
		30°C	7.19	7.19	1.72	6.98	6.98	1.86	6.77	6.77	2.02	6.54	6.54	2.19	6.06	6.06	2.38	5.66	5.66	2.63
	19°C	24°C	7.38	4.65	1.72	7.11	4.54	1.87	6.84	4.42	2.02	6.56	4.30	2.19	6.02	4.01	2.38	5.56	3.78	2.62
		27°C	7.40	5.38	1.73	7.14	5.26	1.87	6.87	5.13	2.02	6.59	5.01	2.20	6.05	4.68	2.38	5.59	4.43	2.62
		30°C	7.46	6.62	1.73	7.20	6.48	1.87	6.94	6.33	2.03	6.67	6.17	2.20	6.15	5.76	2.39	5.70	5.43	2.63
		33°C	7.62	7.62	1.74	7.40	7.40	1.88	7.17	7.17	2.04	6.94	6.94	2.22	6.43	6.43	2.41	6.01	6.01	2.66
	22°C	27°C	8.10	4.55	1.76	7.81	4.45	1.90	7.52	4.34	2.06	7.21	4.22	2.24	6.63	3.94	2.43	6.12	3.72	2.67
		30°C	8.11	5.61	1.76	7.83	5.50	1.90	7.53	5.38	2.06	7.23	5.26	2.24	6.64	4.93	2.43	6.14	4.67	2.67
		33°C	8.14	6.57	1.76	7.86	6.46	1.91	7.57	6.32	2.07	7.27	6.18	2.24	6.69	5.79	2.43	6.20	5.50	2.68
		36°C	8.21	7.42	1.76	7.96	7.29	1.91	7.68	7.13	2.07	7.41	6.95	2.25	6.84	6.48	2.44	6.38	6.10	2.70

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (ºC)
EDB: Entering Dry Bulb Temp. (ºC)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 0 ºC to 46ºC withoutpressure trip.

Cooling Only (R410A)

Model: M5WM030F - M5LC028C

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
500	16°C	21°C	7.18	4.68	1.95	6.93	4.55	2.10	6.67	4.43	2.28	6.40	4.30	2.47	5.88	4.01	2.68	5.43	3.77	2.95
		24°C	7.19	5.60	1.95	6.94	5.47	2.10	6.68	5.34	2.28	6.41	5.21	2.47	5.89	4.87	2.68	5.45	4.59	2.96
		27°C	7.25	6.35	1.95	7.01	6.21	2.11	6.76	6.06	2.28	6.51	5.90	2.48	6.01	5.49	2.69	5.59	5.16	2.97
		30°C	7.47	7.47	1.96	7.26	7.26	2.12	7.04	7.04	2.30	6.81	6.81	2.50	6.32	6.32	2.71	5.91	5.91	3.00
	19°C	24°C	7.92	4.37	1.98	7.65	4.26	2.14	7.37	4.14	2.32	7.07	4.03	2.51	6.50	3.75	2.73	6.01	3.53	3.01
		27°C	7.93	5.00	1.98	7.65	4.88	2.14	7.37	4.77	2.32	7.08	4.66	2.51	6.51	4.35	2.73	6.02	4.13	3.01
		30°C	7.94	6.16	1.98	7.67	6.03	2.14	7.40	5.90	2.32	7.12	5.76	2.52	6.55	5.38	2.73	6.08	5.10	3.01
		33°C	8.04	8.04	1.98	7.77	7.77	2.15	7.52	7.52	2.33	7.27	7.27	2.53	6.72	6.72	2.74	6.29	6.29	3.03
	22°C	27°C	8.72	4.27	2.01	8.42	4.17	2.18	8.11	4.07	2.36	7.79	3.95	2.56	7.17	3.68	2.78	6.63	3.47	3.06
		30°C	8.72	5.21	2.01	8.42	5.10	2.18	8.11	4.98	2.36	7.79	4.86	2.56	7.17	4.55	2.78	6.64	4.32	3.06
		33°C	8.73	6.08	2.01	8.42	5.97	2.18	8.12	5.85	2.36	7.80	5.73	2.56	7.18	5.38	2.78	6.65	5.11	3.07
		36°C	8.75	6.90	2.01	8.47	6.76	2.18	8.17	6.62	2.37	7.87	6.47	2.57	7.26	6.07	2.79	6.75	5.76	3.07
630	16°C	21°C	7.48	4.88	1.96	7.21	4.75	2.12	6.93	4.63	2.30	6.65	4.50	2.49	6.10	4.19	2.70	5.63	3.94	2.98
		24°C	7.50	5.92	1.96	7.23	5.78	2.12	6.96	5.64	2.30	6.68	5.50	2.49	6.13	5.13	2.71	5.67	4.85	2.98
		27°C	7.59	6.73	1.97	7.33	6.57	2.13	7.08	6.40	2.31	6.83	6.21	2.50	6.30	5.77	2.72	5.87	5.39	3.00
		30°C	7.91	7.91	1.98	7.68	7.68	2.15	7.44	7.44	2.33	7.20	7.20	2.53	6.67	6.67	2.75	6.24	6.24	3.03
	19°C	24°C	8.24	4.62	1.99	7.94	4.50	2.16	7.65	4.38	2.34	7.34	4.26	2.54	6.74	3.97	2.75	6.23	3.74	3.03
		27°C	8.25	5.32	2.00	7.96	5.20	2.16	7.66	5.08	2.34	7.35	4.96	2.54	6.75	4.64	2.75	6.24	4.39	3.03
		30°C	8.29	6.56	2.00	8.00	6.42	2.16	7.72	6.27	2.34	7.42	6.12	2.54	6.83	5.72	2.76	6.34	5.41	3.04
		33°C	8.43	8.43	2.00	8.17	8.17	2.17	7.91	7.91	2.36	7.65	7.65	2.56	7.08	7.08	2.78	6.62	6.62	3.07
	22°C	27°C	9.05	4.52	2.03	8.73	4.41	2.20	8.41	4.30	2.39	8.07	4.18	2.59	7.42	3.90	2.81	6.86	3.68	3.09
		30°C	9.06	5.54	2.03	8.74	5.43	2.20	8.42	5.31	2.39	8.08	5.19	2.59	7.43	4.86	2.81	6.87	4.61	3.09
		33°C	9.08	6.50	2.03	8.76	6.37	2.20	8.44	6.24	2.39	8.11	6.11	2.59	7.46	5.73	2.81	6.91	5.44	3.10
		36°C	9.13	7.35	2.04	8.84	7.21	2.21	8.53	7.06	2.39	8.22	6.89	2.60	7.58	6.45	2.82	7.07	6.08	3.11
670	16°C	21°C	7.75	5.09	1.98	7.47	4.96	2.14	7.18	4.83	2.32	6.88	4.69	2.51	6.31	4.37	2.72	5.82	4.11	3.00
		24°C	7.79	6.18	1.98	7.51	6.04	2.14	7.23	5.89	2.32	6.94	5.74	2.52	6.37	5.35	2.73	5.88	5.05	3.01
		27°C	7.92	7.09	1.99	7.66	6.90	2.15	7.40	6.71	2.33	7.14	6.50	2.53	6.59	6.02	2.75	6.14	5.62	3.03
		30°C	8.31	8.31	2.00	8.07	8.07	2.17	7.82	7.82	2.35	7.57	7.57	2.56	7.01	7.01	2.78	6.54	6.54	3.07
	19°C	24°C	8.53	4.88	2.01	8.22	4.76	2.18	7.91	4.64	2.36	7.59	4.51	2.56	6.96	4.21	2.77	6.43	3.97	3.06
		27°C	8.56	5.65	2.01	8.25	5.52	2.18	7.94	5.39	2.36	7.62	5.26	2.56	7.00	4.92	2.78	6.47	4.65	3.06
		30°C	8.63	6.95	2.02	8.32	6.80	2.18	8.02	6.64	2.37	7.72	6.48	2.57	7.11	6.05	2.78	6.60	5.70	3.07
		33°C	8.82	8.82	2.03	8.56	8.56	2.20	8.29	8.29	2.38	8.02	8.02	2.59	7.43	7.43	2.81	6.95	6.95	3.10
	22°C	27°C	9.36	4.78	2.05	9.03	4.67	2.22	8.69	4.55	2.41	8.34	4.43	2.61	7.66	4.14	2.83	7.08	3.91	3.11
		30°C	9.38	5.89	2.05	9.05	5.78	2.22	8.71	5.65	2.41	8.36	5.52	2.61	7.68	5.17	2.83	7.10	4.90	3.12
		33°C	9.41	6.90	2.05	9.09	6.78	2.22	8.75	6.64	2.41	8.41	6.49	2.61	7.74	6.08	2.84	7.17	5.77	3.12
		36°C	9.50	7.79	2.06	9.20	7.65	2.23	8.88	7.48	2.42	8.56	7.30	2.63	7.91	6.81	2.85	7.38	6.41	3.14

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (ºC)
EDB: Entering Dry Bulb Temp. (ºC)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 0 ºC to 46ºC withoutpressure trip.

Cooling Only (R410A)

Model: M5WM030F - M5LC028C (3 Phase)

Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
500	16°C	21°C	7.18	4.68	2.00	6.93	4.55	2.16	6.67	4.43	2.34	6.40	4.30	2.54	5.88	4.01	2.75	5.43	3.77	3.04
		24°C	7.19	5.60	2.00	6.94	5.47	2.16	6.68	5.34	2.34	6.41	5.21	2.54	5.89	4.87	2.76	5.45	4.59	3.04
		27°C	7.25	6.35	2.00	7.01	6.21	2.17	6.76	6.06	2.35	6.51	5.90	2.55	6.01	5.49	2.76	5.59	5.16	3.05
		30°C	7.47	7.47	2.01	7.26	7.26	2.18	7.04	7.04	2.36	6.81	6.81	2.57	6.32	6.32	2.79	5.91	5.91	3.08
	19°C	24°C	7.92	4.37	2.03	7.65	4.26	2.20	7.37	4.14	2.38	7.07	4.03	2.58	6.50	3.75	2.80	6.01	3.53	3.09
		27°C	7.93	5.00	2.03	7.65	4.88	2.20	7.37	4.77	2.38	7.08	4.66	2.58	6.51	4.35	2.80	6.02	4.13	3.09
		30°C	7.94	6.16	2.03	7.67	6.03	2.20	7.40	5.90	2.38	7.12	5.76	2.59	6.55	5.38	2.81	6.08	5.10	3.09
		33°C	8.04	8.04	2.04	7.77	7.77	2.21	7.52	7.52	2.39	7.27	7.27	2.60	6.72	6.72	2.82	6.29	6.29	3.11
	22°C	27°C	8.72	4.27	2.07	8.42	4.17	2.24	8.11	4.07	2.43	7.79	3.95	2.63	7.17	3.68	2.86	6.63	3.47	3.15
		30°C	8.72	5.21	2.07	8.42	5.10	2.24	8.11	4.98	2.43	7.79	4.86	2.63	7.17	4.55	2.86	6.64	4.32	3.15
		33°C	8.73	6.08	2.07	8.42	5.97	2.24	8.12	5.85	2.43	7.80	5.73	2.63	7.18	5.38	2.86	6.65	5.11	3.15
		36°C	8.75	6.90	2.07	8.47	6.76	2.24	8.17	6.62	2.43	7.87	6.47	2.64	7.26	6.07	2.86	6.75	5.76	3.16
630	16°C	21°C	7.48	4.88	2.02	7.21	4.75	2.18	6.93	4.63	2.36	6.65	4.50	2.56	6.10	4.19	2.78	5.63	3.94	3.06
		24°C	7.50	5.92	2.02	7.23	5.78	2.18	6.96	5.64	2.36	6.68	5.50	2.56	6.13	5.13	2.78	5.67	4.85	3.07
		27°C	7.59	6.73	2.02	7.33	6.57	2.19	7.08	6.40	2.37	6.83	6.21	2.57	6.30	5.77	2.79	5.87	5.39	3.08
		30°C	7.91	7.91	2.04	7.68	7.68	2.21	7.44	7.44	2.39	7.20	7.20	2.60	6.67	6.67	2.82	6.24	6.24	3.12
	19°C	24°C	8.24	4.62	2.05	7.94	4.50	2.22	7.65	4.38	2.40	7.34	4.26	2.61	6.74	3.97	2.83	6.23	3.74	3.12
		27°C	8.25	5.32	2.05	7.96	5.20	2.22	7.66	5.08	2.40	7.35	4.96	2.61	6.75	4.64	2.83	6.24	4.39	3.12
		30°C	8.29	6.56	2.05	8.00	6.42	2.22	7.72	6.27	2.41	7.42	6.12	2.61	6.83	5.72	2.83	6.34	5.41	3.13
		33°C	8.43	8.43	2.06	8.17	8.17	2.23	7.91	7.91	2.42	7.65	7.65	2.63	7.08	7.08	2.86	6.62	6.62	3.15
	22°C	27°C	9.05	4.52	2.09	8.73	4.41	2.26	8.41	4.30	2.45	8.07	4.18	2.66	7.42	3.90	2.88	6.86	3.68	3.18
		30°C	9.06	5.54	2.09	8.74	5.43	2.26	8.42	5.31	2.45	8.08	5.19	2.66	7.43	4.86	2.88	6.87	4.61	3.18
		33°C	9.08	6.50	2.09	8.76	6.37	2.26	8.44	6.24	2.45	8.11	6.11	2.66	7.46	5.73	2.89	6.91	5.44	3.18
		36°C	9.13	7.35	2.09	8.84	7.21	2.27	8.53	7.06	2.46	8.22	6.89	2.67	7.58	6.45	2.90	7.07	6.08	3.20
670	16°C	21°C	7.75	5.09	2.03	7.47	4.96	2.20	7.18	4.83	2.38	6.88	4.69	2.58	6.31	4.37	2.80	5.82	4.11	3.09
		24°C	7.79	6.18	2.04	7.51	6.04	2.20	7.23	5.89	2.38	6.94	5.74	2.59	6.37	5.35	2.80	5.88	5.05	3.09
		27°C	7.92	7.09	2.04	7.66	6.90	2.21	7.40	6.71	2.39	7.14	6.50	2.60	6.59	6.02	2.82	6.14	5.62	3.11
		30°C	8.31	8.31	2.06	8.07	8.07	2.23	7.82	7.82	2.42	7.57	7.57	2.63	7.01	7.01	2.85	6.54	6.54	3.15
	19°C	24°C	8.53	4.88	2.07	8.22	4.76	2.24	7.91	4.64	2.42	7.59	4.51	2.63	6.96	4.21	2.85	6.43	3.97	3.14
		27°C	8.56	5.65	2.07	8.25	5.52	2.24	7.94	5.39	2.43	7.62	5.26	2.63	7.00	4.92	2.85	6.47	4.65	3.14
		30°C	8.63	6.95	2.07	8.32	6.80	2.24	8.02	6.64	2.43	7.72	6.48	2.64	7.11	6.05	2.86	6.60	5.70	3.16
		33°C	8.82	8.82	2.08	8.56	8.56	2.26	8.29	8.29	2.45	8.02	8.02	2.66	7.43	7.43	2.89	6.95	6.95	3.19
	22°C	27°C	9.36	4.78	2.11	9.03	4.67	2.28	8.69	4.55	2.47	8.34	4.43	2.68	7.66	4.14	2.91	7.08	3.91	3.20
		30°C	9.38	5.89	2.11	9.05	5.78	2.28	8.71	5.65	2.47	8.36	5.52	2.68	7.68	5.17	2.91	7.10	4.90	3.20
		33°C	9.41	6.90	2.11	9.09	6.78	2.29	8.75	6.64	2.48	8.41	6.49	2.69	7.74	6.08	2.91	7.17	5.77	3.21
		36°C	9.50	7.79	2.11	9.20	7.65	2.29	8.88	7.48	2.49	8.56	7.30	2.70	7.91	6.81	2.93	7.38	6.41	3.23

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (ºC)
EDB: Entering Dry Bulb Temp. (ºC)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 0 ºC to 46ºC withoutpressure trip.

Heat Pump (R410A)

Model: M5WM07G2R - M5LC007CR
Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
175	16°C	21°C	2.07	1.49	0.52	2.00	1.45	0.56	1.93	1.41	0.61	1.85	1.37	0.66	1.70	1.27	0.71	1.57	1.20	0.78
		24°C	2.08	1.78	0.52	2.00	1.74	0.56	1.93	1.70	0.61	1.85	1.66	0.66	1.70	1.55	0.71	1.57	1.46	0.79
		27°C	2.09	2.02	0.52	2.02	1.97	0.56	1.95	1.93	0.61	1.88	1.88	0.66	1.73	1.73	0.71	1.61	1.61	0.79
		30°C	2.16	2.16	0.52	2.10	2.10	0.56	2.03	2.03	0.61	1.97	1.97	0.66	1.82	1.82	0.72	1.71	1.71	0.80
	19°C	24°C	2.29	1.39	0.52	2.21	1.35	0.57	2.13	1.32	0.62	2.04	1.28	0.67	1.88	1.19	0.72	1.73	1.12	0.80
		27°C	2.29	1.59	0.52	2.21	1.55	0.57	2.13	1.52	0.62	2.04	1.48	0.67	1.88	1.38	0.72	1.74	1.31	0.80
		30°C	2.29	1.96	0.53	2.21	1.92	0.57	2.13	1.87	0.62	2.05	1.83	0.67	1.89	1.71	0.73	1.75	1.62	0.80
		33°C	2.32	2.32	0.53	2.24	2.24	0.57	2.17	2.17	0.62	2.10	2.10	0.67	1.94	1.94	0.73	1.81	1.81	0.80
	22°C	27°C	2.52	1.36	0.53	2.43	1.33	0.58	2.34	1.29	0.63	2.25	1.26	0.68	2.07	1.17	0.74	1.91	1.10	0.81
		30°C	2.52	1.66	0.53	2.43	1.62	0.58	2.34	1.58	0.63	2.25	1.55	0.68	2.07	1.45	0.74	1.92	1.37	0.81
		33°C	2.52	1.93	0.53	2.43	1.90	0.58	2.34	1.86	0.63	2.25	1.82	0.68	2.07	1.71	0.74	1.92	1.62	0.81
		36°C	2.53	2.19	0.53	2.44	2.15	0.58	2.36	2.10	0.63	2.27	2.06	0.68	2.10	1.93	0.74	1.95	1.83	0.82
225	16°C	21°C	2.16	1.55	0.52	2.08	1.51	0.56	2.00	1.47	0.61	1.92	1.43	0.66	1.76	1.33	0.72	1.62	1.25	0.79
		24°C	2.16	1.88	0.52	2.09	1.84	0.56	2.01	1.79	0.61	1.93	1.75	0.66	1.77	1.63	0.72	1.64	1.54	0.79
		27°C	2.19	2.14	0.52	2.12	2.09	0.57	2.04	2.03	0.61	1.97	1.97	0.67	1.82	1.82	0.72	1.69	1.69	0.80
		30°C	2.28	2.28	0.53	2.22	2.22	0.57	2.15	2.15	0.62	2.08	2.08	0.67	1.93	1.93	0.73	1.80	1.80	0.81
	19°C	24°C	2.38	1.47	0.53	2.29	1.43	0.57	2.21	1.39	0.62	2.12	1.35	0.67	1.95	1.26	0.73	1.80	1.19	0.81
		27°C	2.38	1.69	0.53	2.30	1.65	0.57	2.21	1.62	0.62	2.12	1.58	0.67	1.95	1.47	0.73	1.80	1.40	0.81
		30°C	2.39	2.08	0.53	2.31	2.04	0.57	2.23	1.99	0.62	2.14	1.95	0.68	1.97	1.82	0.73	1.83	1.72	0.81
		33°C	2.43	2.43	0.53	2.36	2.36	0.58	2.28	2.28	0.63	2.21	2.21	0.68	2.05	2.05	0.74	1.91	1.91	0.81
	22°C	27°C	2.61	1.44	0.54	2.52	1.40	0.58	2.43	1.37	0.63	2.33	1.33	0.69	2.14	1.24	0.75	1.98	1.17	0.82
		30°C	2.62	1.76	0.54	2.52	1.73	0.58	2.43	1.69	0.63	2.33	1.65	0.69	2.14	1.54	0.75	1.98	1.46	0.82
		33°C	2.62	2.07	0.54	2.53	2.03	0.59	2.44	1.98	0.63	2.34	1.94	0.69	2.15	1.82	0.75	2.00	1.73	0.82
		36°C	2.64	2.33	0.54	2.55	2.29	0.59	2.46	2.24	0.64	2.37	2.19	0.69	2.19	2.05	0.75	2.04	1.93	0.83
275	16°C	21°C	2.24	1.62	0.53	2.16	1.58	0.57	2.07	1.54	0.62	1.99	1.49	0.67	1.82	1.39	0.72	1.68	1.31	0.80
		24°C	2.25	1.97	0.53	2.17	1.92	0.57	2.09	1.87	0.62	2.00	1.82	0.67	1.84	1.70	0.72	1.70	1.60	0.80
		27°C	2.29	2.25	0.53	2.21	2.20	0.57	2.14	2.13	0.62	2.06	2.06	0.67	1.90	1.90	0.73	1.77	1.77	0.80
		30°C	2.40	2.40	0.53	2.33	2.33	0.58	2.26	2.26	0.63	2.18	2.18	0.68	2.02	2.02	0.74	1.89	1.89	0.81
	19°C	24°C	2.46	1.55	0.53	2.37	1.51	0.58	2.28	1.48	0.63	2.19	1.44	0.68	2.01	1.34	0.74	1.86	1.26	0.81
		27°C	2.47	1.80	0.53	2.38	1.76	0.58	2.29	1.71	0.63	2.20	1.67	0.68	2.02	1.56	0.74	1.87	1.48	0.81
		30°C	2.49	2.21	0.54	2.40	2.16	0.58	2.32	2.11	0.63	2.23	2.06	0.68	2.05	1.92	0.74	1.90	1.81	0.82
		33°C	2.55	2.55	0.54	2.47	2.47	0.58	2.39	2.39	0.63	2.32	2.32	0.69	2.15	2.15	0.75	2.01	2.01	0.82
	22°C	27°C	2.70	1.52	0.54	2.61	1.49	0.59	2.51	1.45	0.64	2.41	1.41	0.69	2.21	1.32	0.75	2.04	1.24	0.83
		30°C	2.71	1.87	0.54	2.61	1.84	0.59	2.51	1.80	0.64	2.41	1.76	0.69	2.22	1.64	0.75	2.05	1.56	0.83
		33°C	2.72	2.19	0.55	2.62	2.16	0.59	2.53	2.11	0.64	2.43	2.06	0.69	2.23	1.93	0.75	2.07	1.84	0.83
		36°C	2.74	2.48	0.55	2.66	2.43	0.59	2.56	2.38	0.64	2.47	2.32	0.70	2.28	2.16	0.76	2.13	2.04	0.84

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (ºC)
EDB: Entering Dry Bulb Temp. (ºC)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 0 ºC to 46ºC withoutpressure trip.

Model: M5WM07G2R - M5LC007CR
Heating Mode

ID WB°C	Outdoor WB°C													
	-9		-6		-5		6		12		15		18	
	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)
15	1.329	1.329	1.504	1.504	1.562	1.562	2.205	2.205	2.555	2.555	2.730	2.730	2.905	2.905
17	1.294	1.294	1.418	1.418	1.522	1.522	2.202	2.202	2.494	2.494	2.665	2.665	2.836	2.836
19	1.259	1.259	1.332	1.332	1.483	1.483	2.199	2.199	2.432	2.432	2.600	2.600	2.767	2.767
21	1.224	1.224	1.287	1.287	1.443	1.443	2.153	2.153	2.371	2.371	2.535	2.535	2.698	2.698
23	1.189	1.189	1.282	1.282	1.403	1.403	2.063	2.063	2.309	2.309	2.469	2.469	2.629	2.629
25	1.155	1.155	1.277	1.277	1.363	1.363	1.972	1.972	2.248	2.248	2.404	2.404	2.560	2.560
27	1.120	1.120	1.272	1.272	1.323	1.323	1.882	1.882	2.186	2.186	2.339	2.339	2.491	2.491
	FROST REGION													

Heat Pump (R410A)

Model: M5WM09G2R - M5LC009CR
Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
175	16°C	21°C	2.49	1.74	0.65	2.40	1.69	0.71	2.31	1.65	0.77	2.22	1.60	0.83	2.04	1.49	0.90	1.88	1.40	0.99
		24°C	2.49	2.08	0.65	2.40	2.03	0.71	2.31	1.98	0.77	2.22	1.94	0.83	2.04	1.81	0.90	1.89	1.71	0.99
		27°C	2.51	2.36	0.65	2.43	2.30	0.71	2.34	2.25	0.77	2.25	2.19	0.83	2.08	2.04	0.90	1.94	1.92	1.00
		30°C	2.59	2.59	0.66	2.51	2.51	0.71	2.44	2.44	0.77	2.36	2.36	0.84	2.19	2.19	0.91	2.05	2.05	1.01
	19°C	24°C	2.74	1.62	0.66	2.65	1.58	0.72	2.55	1.54	0.78	2.45	1.49	0.84	2.25	1.39	0.92	2.08	1.31	1.01
		27°C	2.75	1.85	0.66	2.65	1.81	0.72	2.55	1.77	0.78	2.45	1.73	0.84	2.25	1.62	0.92	2.08	1.53	1.01
		30°C	2.75	2.29	0.66	2.66	2.24	0.72	2.56	2.19	0.78	2.46	2.14	0.85	2.27	2.00	0.92	2.11	1.89	1.01
		33°C	2.78	2.78	0.67	2.69	2.69	0.72	2.61	2.61	0.78	2.52	2.52	0.85	2.33	2.33	0.92	2.18	2.18	1.02
	22°C	27°C	3.02	1.59	0.68	2.91	1.55	0.73	2.81	1.51	0.79	2.70	1.47	0.86	2.48	1.37	0.93	2.30	1.29	1.03
		30°C	3.02	1.93	0.68	2.92	1.89	0.73	2.81	1.85	0.79	2.70	1.81	0.86	2.48	1.69	0.93	2.30	1.60	1.03
		33°C	3.02	2.26	0.68	2.92	2.22	0.73	2.81	2.17	0.79	2.70	2.13	0.86	2.49	2.00	0.93	2.30	1.90	1.03
		36°C	3.03	2.56	0.68	2.93	2.51	0.73	2.83	2.46	0.80	2.73	2.40	0.86	2.51	2.25	0.94	2.34	2.14	1.03
225	16°C	21°C	2.59	1.81	0.66	2.50	1.77	0.71	2.40	1.72	0.77	2.30	1.67	0.84	2.11	1.55	0.91	1.95	1.46	1.00
		24°C	2.60	2.20	0.66	2.50	2.15	0.71	2.41	2.10	0.77	2.31	2.04	0.84	2.13	1.91	0.91	1.96	1.80	1.00
		27°C	2.63	2.50	0.66	2.54	2.44	0.72	2.45	2.38	0.78	2.36	2.31	0.84	2.18	2.14	0.91	2.03	2.00	1.01
		30°C	2.74	2.74	0.67	2.66	2.66	0.72	2.58	2.58	0.78	2.49	2.49	0.85	2.31	2.31	0.92	2.16	2.16	1.02
	19°C	24°C	2.85	1.71	0.67	2.75	1.67	0.73	2.65	1.63	0.79	2.54	1.58	0.85	2.33	1.47	0.92	2.16	1.39	1.02
		27°C	2.86	1.97	0.67	2.76	1.93	0.73	2.65	1.89	0.79	2.55	1.84	0.85	2.34	1.72	0.92	2.16	1.63	1.02
		30°C	2.87	2.44	0.67	2.77	2.38	0.73	2.67	2.33	0.79	2.57	2.27	0.85	2.37	2.12	0.93	2.20	2.01	1.02
		33°C	2.92	2.92	0.67	2.83	2.83	0.73	2.74	2.74	0.79	2.65	2.65	0.86	2.45	2.45	0.93	2.29	2.29	1.03
	22°C	27°C	3.13	1.68	0.68	3.02	1.64	0.74	2.91	1.60	0.80	2.80	1.55	0.87	2.57	1.45	0.94	2.38	1.37	1.04
		30°C	3.14	2.06	0.68	3.03	2.02	0.74	2.92	1.97	0.80	2.80	1.93	0.87	2.57	1.80	0.94	2.38	1.71	1.04
		33°C	3.14	2.41	0.68	3.03	2.37	0.74	2.92	2.32	0.80	2.81	2.27	0.87	2.58	2.13	0.94	2.39	2.02	1.04
		36°C	3.16	2.73	0.68	3.06	2.68	0.74	2.95	2.62	0.80	2.85	2.56	0.87	2.63	2.40	0.95	2.45	2.26	1.04
275	16°C	21°C	2.69	1.89	0.66	2.59	1.84	0.72	2.49	1.79	0.78	2.38	1.74	0.84	2.19	1.62	0.92	2.02	1.53	1.01
		24°C	2.70	2.30	0.67	2.60	2.24	0.72	2.50	2.19	0.78	2.40	2.13	0.85	2.21	1.99	0.92	2.04	1.88	1.01
		27°C	2.74	2.63	0.67	2.65	2.57	0.72	2.56	2.49	0.78	2.47	2.42	0.85	2.28	2.24	0.92	2.13	2.09	1.02
		30°C	2.88	2.88	0.67	2.80	2.80	0.73	2.71	2.71	0.79	2.62	2.62	0.86	2.43	2.43	0.93	2.27	2.27	1.03
	19°C	24°C	2.96	1.81	0.68	2.85	1.77	0.73	2.74	1.72	0.79	2.63	1.68	0.86	2.41	1.56	0.93	2.23	1.47	1.03
		27°C	2.96	2.10	0.68	2.86	2.05	0.73	2.75	2.00	0.79	2.64	1.95	0.86	2.42	1.83	0.93	2.24	1.73	1.03
		30°C	2.99	2.58	0.68	2.88	2.53	0.73	2.78	2.47	0.79	2.67	2.41	0.86	2.46	2.25	0.94	2.29	2.12	1.03
		33°C	3.05	3.05	0.68	2.96	2.96	0.74	2.87	2.87	0.80	2.78	2.78	0.87	2.57	2.57	0.94	2.41	2.41	1.04
	22°C	27°C	3.24	1.77	0.69	3.13	1.74	0.75	3.01	1.69	0.81	2.89	1.65	0.88	2.65	1.54	0.95	2.45	1.45	1.05
		30°C	3.25	2.19	0.69	3.13	2.15	0.75	3.02	2.10	0.81	2.90	2.05	0.88	2.66	1.92	0.95	2.46	1.82	1.05
		33°C	3.26	2.56	0.69	3.15	2.52	0.75	3.03	2.47	0.81	2.91	2.41	0.88	2.68	2.26	0.95	2.48	2.15	1.05
		36°C	3.29	2.89	0.69	3.19	2.84	0.75	3.08	2.78	0.81	2.97	2.71	0.88	2.74	2.53	0.96	2.56	2.38	1.06

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (ºC)
EDB: Entering Dry Bulb Temp. (ºC)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 0 ºC to 46ºC withoutpressure trip.

Model: M5WM09G2R - M5LC010CR
Heating Mode

ID WB°C	Outdoor WB°C													
	-9		-6		-5		6		12		15		18	
	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)
15	1.595	1.595	1.805	1.805	1.875	1.875	2.646	2.646	3.066	3.066	3.276	3.276	3.486	3.486
17	1.553	1.553	1.786	1.786	1.831	1.831	2.642	2.642	3.015	3.015	3.224	3.224	3.433	3.433
19	1.511	1.511	1.768	1.786	1.788	1.788	2.639	2.639	2.964	2.964	3.172	3.172	3.379	3.379
21	1.469	1.469	1.728	1.728	1.744	1.744	2.597	2.597	2.913	2.913	3.120	3.120	3.326	3.326
23	1.427	1.427	1.667	1.667	1.701	1.701	2.517	2.517	2.862	2.862	3.067	3.067	3.272	3.272
25	1.386	1.386	1.607	1.607	1.657	1.657	2.436	2.436	2.811	2.811	3.015	3.015	3.219	3.219
27	1.344	1.344	1.546	1.546	1.614	1.614	2.356	2.356	2.761	2.761	2.963	2.963	3.165	3.165
	FROST REGION													

Heat Pump (R410A)

Model: M5WM10G2R - M5LC010CR
Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
200	16°C	21°C	2.62	1.88	0.69	2.53	1.83	0.75	2.43	1.78	0.81	2.34	1.73	0.88	2.15	1.61	0.95	1.98	1.51	1.05
		24°C	2.62	2.25	0.69	2.53	2.20	0.75	2.44	2.15	0.81	2.34	2.09	0.88	2.15	1.95	0.95	1.99	1.84	1.05
		27°C	2.64	2.55	0.69	2.56	2.49	0.75	2.47	2.43	0.81	2.37	2.37	0.88	2.19	2.19	0.96	2.04	2.04	1.05
		30°C	2.73	2.73	0.70	2.65	2.65	0.75	2.57	2.57	0.82	2.48	2.48	0.89	2.30	2.30	0.96	2.15	2.15	1.06
	19°C	24°C	2.89	1.75	0.70	2.79	1.71	0.76	2.69	1.66	0.82	2.58	1.62	0.89	2.37	1.51	0.97	2.19	1.42	1.07
		27°C	2.89	2.01	0.70	2.79	1.96	0.76	2.69	1.92	0.82	2.58	1.87	0.89	2.37	1.75	0.97	2.20	1.66	1.07
		30°C	2.90	2.48	0.70	2.80	2.42	0.76	2.70	2.37	0.82	2.60	2.31	0.89	2.39	2.16	0.97	2.22	2.05	1.07
		33°C	2.93	2.93	0.70	2.84	2.84	0.76	2.74	2.74	0.83	2.65	2.65	0.90	2.45	2.45	0.98	2.29	2.29	1.08
	22°C	27°C	3.18	1.72	0.72	3.07	1.67	0.77	2.96	1.63	0.84	2.84	1.59	0.91	2.61	1.48	0.99	2.42	1.40	1.09
		30°C	3.18	2.09	0.72	3.07	2.05	0.77	2.96	2.00	0.84	2.84	1.95	0.91	2.61	1.83	0.99	2.42	1.73	1.09
		33°C	3.18	2.44	0.72	3.07	2.40	0.77	2.96	2.35	0.84	2.85	2.30	0.91	2.62	2.16	0.99	2.43	2.05	1.09
		36°C	3.19	2.77	0.72	3.09	2.71	0.78	2.98	2.66	0.84	2.87	2.60	0.91	2.65	2.44	0.99	2.46	2.31	1.09
250	16°C	21°C	2.73	1.96	0.70	2.63	1.91	0.75	2.53	1.86	0.82	2.43	1.81	0.89	2.23	1.68	0.96	2.05	1.58	1.06
		24°C	2.74	2.38	0.70	2.64	2.32	0.76	2.54	2.27	0.82	2.44	2.21	0.89	2.24	2.06	0.96	2.07	1.95	1.06
		27°C	2.77	2.70	0.70	2.68	2.64	0.76	2.58	2.57	0.82	2.49	2.49	0.89	2.30	2.30	0.97	2.14	2.14	1.07
		30°C	2.88	2.88	0.70	2.80	2.80	0.76	2.71	2.71	0.83	2.63	2.63	0.90	2.43	2.43	0.98	2.27	2.27	1.08
	19°C	24°C	3.00	1.85	0.71	2.90	1.81	0.77	2.79	1.76	0.83	2.68	1.71	0.90	2.46	1.60	0.98	2.27	1.50	1.08
		27°C	3.01	2.14	0.71	2.90	2.09	0.77	2.79	2.04	0.83	2.68	1.99	0.90	2.46	1.86	0.98	2.28	1.76	1.08
		30°C	3.02	2.63	0.71	2.92	2.58	0.77	2.81	2.52	0.83	2.71	2.46	0.90	2.49	2.30	0.98	2.31	2.17	1.08
		33°C	3.07	3.07	0.71	2.98	2.98	0.77	2.89	2.89	0.84	2.79	2.79	0.91	2.58	2.58	0.99	2.42	2.42	1.09
	22°C	27°C	3.30	1.82	0.72	3.18	1.77	0.78	3.07	1.73	0.85	2.94	1.68	0.92	2.71	1.57	1.00	2.50	1.48	1.10
		30°C	3.31	2.23	0.72	3.19	2.18	0.78	3.07	2.13	0.85	2.95	2.08	0.92	2.71	1.95	1.00	2.51	1.85	1.10
		33°C	3.31	2.61	0.72	3.20	2.56	0.78	3.08	2.51	0.85	2.96	2.45	0.92	2.72	2.30	1.00	2.52	2.19	1.10
		36°C	3.33	2.95	0.72	3.22	2.89	0.78	3.11	2.83	0.85	3.00	2.77	0.92	2.77	2.59	1.00	2.58	2.44	1.11
300	16°C	21°C	2.83	2.05	0.70	2.72	1.99	0.76	2.62	1.94	0.82	2.51	1.89	0.89	2.30	1.76	0.97	2.12	1.65	1.07
		24°C	2.84	2.49	0.70	2.74	2.43	0.76	2.64	2.37	0.82	2.53	2.30	0.89	2.32	2.15	0.97	2.15	2.03	1.07
		27°C	2.89	2.85	0.71	2.79	2.77	0.76	2.70	2.70	0.83	2.60	2.60	0.90	2.41	2.41	0.98	2.24	2.24	1.08
		30°C	3.03	3.03	0.71	2.94	2.94	0.77	2.85	2.85	0.84	2.76	2.76	0.91	2.56	2.56	0.99	2.39	2.39	1.09
	19°C	24°C	3.11	1.96	0.72	3.00	1.91	0.77	2.89	1.86	0.84	2.77	1.81	0.91	2.54	1.69	0.99	2.35	1.59	1.09
		27°C	3.12	2.27	0.72	3.01	2.22	0.77	2.90	2.17	0.84	2.78	2.11	0.91	2.55	1.98	0.99	2.36	1.87	1.09
		30°C	3.15	2.79	0.72	3.04	2.73	0.78	2.93	2.67	0.84	2.82	2.60	0.91	2.59	2.43	0.99	2.41	2.29	1.09
		33°C	3.22	3.22	0.72	3.12	3.12	0.78	3.03	3.03	0.85	2.93	2.93	0.92	2.71	2.71	1.00	2.54	2.54	1.10
	22°C	27°C	3.42	1.92	0.73	3.29	1.88	0.79	3.17	1.83	0.86	3.04	1.78	0.93	2.80	1.66	1.01	2.58	1.57	1.11
		30°C	3.42	2.37	0.73	3.30	2.32	0.79	3.18	2.27	0.86	3.05	2.22	0.93	2.80	2.08	1.01	2.59	1.97	1.11
		33°C	3.43	2.77	0.73	3.32	2.72	0.79	3.19	2.67	0.86	3.07	2.61	0.93	2.82	2.44	1.01	2.62	2.32	1.11
		36°C	3.47	3.13	0.73	3.36	3.07	0.79	3.24	3.01	0.86	3.12	2.93	0.93	2.89	2.73	1.01	2.69	2.57	1.12

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (ºC)
EDB: Entering Dry Bulb Temp. (ºC)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 0 ºC to 46ºC withoutpressure trip.

Model: M5WM10G2R - M5LC010CR
Heating Mode

ID WB°C	Outdoor WB°C													
	-9		-6		-5		6		12		15		18	
	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)
15	1.683	1.683	1.905	1.905	1.979	1.979	2.793	2.793	3.236	3.236	3.458	3.458	3.680	3.680
17	1.639	1.639	1.870	1.870	1.932	1.932	2.789	2.789	3.175	3.175	3.394	3.394	3.614	3.614
19	1.595	1.595	1.835	1.835	1.884	1.884	2.786	2.786	3.114	3.114	3.331	3.331	3.548	3.548
21	1.551	1.551	1.790	1.790	1.837	1.837	2.737	2.737	3.052	3.052	3.267	3.267	3.481	3.481
23	1.507	1.507	1.735	1.735	1.789	1.789	2.643	2.643	2.991	2.991	3.203	3.203	3.415	3.415
25	1.463	1.463	1.680	1.680	1.742	1.742	2.548	2.548	2.930	2.930	3.139	3.139	3.349	3.349
27	1.418	1.418	1.626	1.626	1.695	1.695	2.454	2.454	2.868	2.868	3.075	3.075	3.283	3.283
	FROST REGION													

Heat Pump (R410A)

Model: M5WM15G2R - M5LC015CR
Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
220	16°C	21°C	3.32	2.28	0.93	3.20	2.22	1.01	3.08	2.16	1.09	2.96	2.10	1.19	2.72	1.96	1.29	2.51	1.84	1.42
		24°C	3.32	2.73	0.93	3.20	2.67	1.01	3.09	2.61	1.09	2.96	2.55	1.19	2.72	2.38	1.29	2.52	2.24	1.42
		27°C	3.35	3.10	0.94	3.24	3.03	1.01	3.12	2.96	1.10	3.01	2.88	1.19	2.77	2.68	1.29	2.58	2.52	1.43
		30°C	3.45	3.45	0.94	3.35	3.35	1.02	3.25	3.25	1.10	3.15	3.15	1.20	2.92	2.92	1.30	2.73	2.73	1.44
	19°C	24°C	3.66	2.13	0.95	3.53	2.08	1.03	3.40	2.02	1.11	3.27	1.97	1.21	3.00	1.83	1.31	2.78	1.72	1.44
		27°C	3.66	2.44	0.95	3.53	2.38	1.03	3.40	2.33	1.11	3.27	2.27	1.21	3.01	2.13	1.31	2.78	2.01	1.44
		30°C	3.67	3.01	0.95	3.54	2.95	1.03	3.42	2.88	1.11	3.29	2.81	1.21	3.03	2.63	1.31	2.81	2.49	1.45
		33°C	3.71	3.71	0.95	3.59	3.59	1.03	3.47	3.47	1.12	3.36	3.36	1.21	3.10	3.10	1.32	2.90	2.90	1.46
	22°C	27°C	4.03	2.09	0.97	3.89	2.04	1.05	3.75	1.99	1.14	3.60	1.93	1.23	3.31	1.80	1.34	3.06	1.70	1.47
		30°C	4.03	2.54	0.97	3.89	2.49	1.05	3.75	2.43	1.14	3.60	2.37	1.23	3.31	2.22	1.34	3.06	2.11	1.47
		33°C	4.03	2.97	0.97	3.89	2.91	1.05	3.75	2.86	1.14	3.60	2.80	1.23	3.31	2.63	1.34	3.07	2.49	1.47
		36°C	4.04	3.37	0.97	3.91	3.30	1.05	3.77	3.23	1.14	3.64	3.16	1.23	3.35	2.96	1.34	3.12	2.81	1.48
285	16°C	21°C	3.45	2.38	0.94	3.33	2.32	1.02	3.20	2.26	1.10	3.07	2.20	1.20	2.82	2.05	1.30	2.60	1.92	1.43
		24°C	3.46	2.89	0.94	3.34	2.83	1.02	3.21	2.76	1.11	3.08	2.69	1.20	2.83	2.51	1.30	2.62	2.37	1.43
		27°C	3.51	3.29	0.95	3.39	3.21	1.02	3.27	3.13	1.11	3.15	3.03	1.20	2.91	2.82	1.31	2.71	2.64	1.44
		30°C	3.65	3.65	0.95	3.55	3.55	1.03	3.44	3.44	1.12	3.33	3.33	1.21	3.08	3.08	1.32	2.88	2.88	1.46
	19°C	24°C	3.80	2.25	0.96	3.67	2.20	1.04	3.53	2.14	1.12	3.39	2.08	1.22	3.11	1.94	1.32	2.88	1.83	1.46
		27°C	3.81	2.60	0.96	3.67	2.54	1.04	3.54	2.48	1.12	3.40	2.42	1.22	3.12	2.27	1.32	2.88	2.14	1.46
		30°C	3.83	3.20	0.96	3.70	3.13	1.04	3.56	3.06	1.13	3.43	2.99	1.22	3.16	2.80	1.33	2.93	2.64	1.46
		33°C	3.89	3.89	0.96	3.77	3.77	1.04	3.65	3.65	1.13	3.53	3.53	1.23	3.27	3.27	1.34	3.06	3.06	1.47
	22°C	27°C	4.18	2.21	0.98	4.03	2.16	1.06	3.88	2.10	1.15	3.73	2.04	1.24	3.43	1.91	1.35	3.17	1.80	1.48
		30°C	4.18	2.71	0.98	4.04	2.65	1.06	3.89	2.59	1.15	3.73	2.53	1.24	3.43	2.37	1.35	3.17	2.25	1.49
		33°C	4.19	3.17	0.98	4.05	3.11	1.06	3.90	3.05	1.15	3.74	2.99	1.24	3.45	2.80	1.35	3.19	2.66	1.49
		36°C	4.22	3.59	0.98	4.08	3.52	1.06	3.94	3.45	1.15	3.80	3.37	1.25	3.50	3.15	1.35	3.27	2.97	1.49
345	16°C	21°C	3.58	2.49	0.95	3.45	2.42	1.03	3.32	2.36	1.11	3.18	2.29	1.21	2.92	2.14	1.31	2.69	2.01	1.44
		24°C	3.60	3.02	0.95	3.47	2.95	1.03	3.34	2.88	1.11	3.20	2.80	1.21	2.94	2.62	1.31	2.72	2.47	1.44
		27°C	3.66	3.46	0.95	3.54	3.37	1.03	3.42	3.28	1.12	3.30	3.18	1.21	3.05	2.94	1.32	2.84	2.75	1.46
		30°C	3.84	3.84	0.96	3.73	3.73	1.04	3.61	3.61	1.13	3.49	3.49	1.23	3.24	3.24	1.33	3.02	3.02	1.47
	19°C	24°C	3.94	2.39	0.97	3.80	2.33	1.05	3.65	2.27	1.13	3.51	2.21	1.23	3.22	2.06	1.33	2.97	1.94	1.47
		27°C	3.95	2.76	0.97	3.81	2.70	1.05	3.67	2.63	1.13	3.52	2.57	1.23	3.23	2.40	1.33	2.99	2.27	1.47
		30°C	3.99	3.40	0.97	3.84	3.32	1.05	3.71	3.25	1.14	3.57	3.17	1.23	3.28	2.96	1.34	3.05	2.79	1.48
		33°C	4.07	4.07	0.97	3.95	3.95	1.06	3.83	3.83	1.14	3.70	3.70	1.24	3.43	3.43	1.35	3.21	3.21	1.49
	22°C	27°C	4.33	2.33	0.98	4.17	2.28	1.07	4.01	2.23	1.16	3.85	2.17	1.25	3.54	2.02	1.36	3.27	1.91	1.50
		30°C	4.33	2.88	0.99	4.18	2.82	1.07	4.02	2.76	1.16	3.86	2.70	1.25	3.55	2.53	1.36	3.28	2.40	1.50
		33°C	4.35	3.37	0.99	4.20	3.31	1.07	4.04	3.24	1.16	3.89	3.17	1.26	3.57	2.97	1.36	3.31	2.82	1.50
		36°C	4.39	3.81	0.99	4.25	3.74	1.07	4.10	3.66	1.16	3.96	3.57	1.26	3.66	3.33	1.37	3.41	3.13	1.51

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (ºC)
EDB: Entering Dry Bulb Temp. (ºC)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 0 ºC to 46ºC withoutpressure trip.

Model: M5WM15G2R - M5LC015CR
Heating Mode

ID WB°C	Outdoor WB°C													
	-9		-6		-5		6		12		15		18	
	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)
15	2.126	2.126	2.406	2.406	2.500	2.500	3.528	3.528	4.088	4.088	4.368	4.368	4.649	4.649
17	2.070	2.070	2.288	2.288	2.440	2.440	3.523	3.523	4.013	4.013	4.290	4.290	4.568	4.568
19	2.015	2.015	2.169	2.169	2.381	2.381	3.519	3.519	3.937	3.937	4.212	4.212	4.486	4.486
21	1.959	1.959	2.102	2.102	2.321	2.321	3.459	3.459	3.862	3.862	4.133	4.133	4.405	4.405
23	1.903	1.903	2.087	2.087	2.262	2.262	3.342	3.342	3.786	3.786	4.055	4.055	4.324	4.324
25	1.847	1.847	2.071	2.071	2.202	2.202	3.225	3.225	3.711	3.711	3.977	3.977	4.234	4.243
27	1.792	1.792	2.055	2.055	2.143	2.143	3.108	3.108	3.635	3.635	3.898	3.898	4.162	4.162
	FROST REGION													

Heat Pump (R410A)

Model: M5WM20G2R - M5LC020CR
Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
340	16°C	21°C	4.93	3.30	1.24	4.76	3.22	1.34	4.58	3.13	1.45	4.40	3.04	1.57	4.04	2.83	1.71	3.73	2.66	1.88
		24°C	4.94	3.95	1.24	4.76	3.86	1.34	4.59	3.77	1.45	4.40	3.68	1.57	4.04	3.44	1.71	3.74	3.24	1.88
		27°C	4.98	4.48	1.24	4.81	4.38	1.34	4.64	4.28	1.45	4.47	4.17	1.58	4.12	3.88	1.71	3.83	3.64	1.89
		30°C	5.13	5.13	1.25	4.98	4.98	1.35	4.83	4.83	1.46	4.68	4.68	1.59	4.33	4.33	1.73	4.05	4.05	1.91
	19°C	24°C	5.44	3.08	1.26	5.25	3.00	1.36	5.05	2.92	1.48	4.85	2.84	1.60	4.46	2.65	1.74	4.12	2.49	1.91
		27°C	5.44	3.53	1.26	5.25	3.45	1.36	5.06	3.37	1.48	4.86	3.29	1.60	4.47	3.07	1.74	4.13	2.91	1.91
		30°C	5.45	4.35	1.26	5.26	4.26	1.36	5.08	4.17	1.48	4.88	4.06	1.60	4.50	3.80	1.74	4.17	3.60	1.92
		33°C	5.51	5.51	1.26	5.34	5.34	1.37	5.16	5.16	1.48	4.99	4.99	1.61	4.61	4.61	1.75	4.31	4.31	1.93
	22°C	27°C	5.98	3.02	1.28	5.78	2.94	1.39	5.57	2.87	1.50	5.35	2.79	1.63	4.92	2.60	1.77	4.55	2.45	1.95
		30°C	5.98	3.68	1.28	5.78	3.60	1.39	5.57	3.52	1.50	5.35	3.43	1.63	4.92	3.21	1.77	4.55	3.05	1.95
		33°C	5.99	4.29	1.28	5.78	4.21	1.39	5.57	4.13	1.50	5.35	4.04	1.63	4.93	3.80	1.77	4.57	3.61	1.95
		36°C	6.01	4.87	1.28	5.81	4.77	1.39	5.61	4.67	1.51	5.40	4.57	1.64	4.98	4.28	1.77	4.63	4.06	1.96
410	16°C	21°C	5.13	3.44	1.25	4.95	3.36	1.35	4.76	3.27	1.46	4.56	3.17	1.59	4.19	2.96	1.72	3.86	2.78	1.90
		24°C	5.15	4.18	1.25	4.96	4.08	1.35	4.78	3.99	1.46	4.58	3.88	1.59	4.21	3.62	1.72	3.89	3.42	1.90
		27°C	5.21	4.75	1.25	5.03	4.64	1.36	4.86	4.52	1.47	4.68	4.38	1.59	4.33	4.07	1.73	4.03	3.81	1.91
		30°C	5.43	5.43	1.26	5.27	5.27	1.37	5.11	5.11	1.48	4.94	4.94	1.61	4.58	4.58	1.75	4.28	4.28	1.93
	19°C	24°C	5.65	3.26	1.27	5.45	3.18	1.37	5.25	3.09	1.49	5.04	3.01	1.61	4.62	2.80	1.75	4.27	2.64	1.93
		27°C	5.66	3.75	1.27	5.46	3.67	1.38	5.26	3.59	1.49	5.05	3.50	1.62	4.64	3.27	1.75	4.29	3.10	1.93
		30°C	5.69	4.63	1.27	5.49	4.53	1.38	5.29	4.43	1.49	5.09	4.32	1.62	4.69	4.04	1.76	4.35	3.82	1.94
		33°C	5.78	5.78	1.28	5.61	5.61	1.38	5.43	5.43	1.50	5.25	5.25	1.63	4.86	4.86	1.77	4.55	4.55	1.95
	22°C	27°C	6.21	3.19	1.29	5.99	3.12	1.40	5.77	3.04	1.52	5.54	2.95	1.65	5.09	2.76	1.79	4.71	2.60	1.97
		30°C	6.22	3.91	1.29	6.00	3.83	1.40	5.78	3.75	1.52	5.55	3.66	1.65	5.10	3.43	1.79	4.72	3.25	1.97
		33°C	6.23	4.59	1.29	6.01	4.50	1.40	5.79	4.41	1.52	5.56	4.31	1.65	5.12	4.05	1.79	4.74	3.84	1.97
		36°C	6.27	5.19	1.30	6.07	5.09	1.41	5.85	4.98	1.52	5.64	4.87	1.65	5.20	4.55	1.79	4.85	4.30	1.98
490	16°C	21°C	5.32	3.59	1.26	5.13	3.50	1.36	4.93	3.41	1.48	4.72	3.32	1.60	4.33	3.09	1.73	3.99	2.91	1.91
		24°C	5.35	4.37	1.26	5.15	4.26	1.36	4.96	4.16	1.48	4.76	4.05	1.60	4.37	3.78	1.74	4.04	3.56	1.91
		27°C	5.43	5.01	1.26	5.26	4.88	1.37	5.08	4.74	1.48	4.90	4.59	1.61	4.53	4.25	1.75	4.22	3.97	1.93
		30°C	5.71	5.71	1.28	5.54	5.54	1.38	5.37	5.37	1.50	5.19	5.19	1.63	4.81	4.81	1.77	4.49	4.49	1.95
	19°C	24°C	5.86	3.45	1.28	5.64	3.36	1.39	5.43	3.28	1.50	5.21	3.19	1.63	4.78	2.97	1.77	4.41	2.80	1.95
		27°C	5.87	3.99	1.28	5.66	3.90	1.39	5.45	3.81	1.50	5.23	3.71	1.63	4.80	3.47	1.77	4.44	3.29	1.95
		30°C	5.92	4.91	1.28	5.71	4.80	1.39	5.51	4.69	1.51	5.30	4.57	1.63	4.88	4.27	1.77	4.53	4.03	1.95
		33°C	6.05	6.05	1.29	5.87	5.87	1.40	5.69	5.69	1.52	5.50	5.50	1.65	5.10	5.10	1.79	4.77	4.77	1.98
	22°C	27°C	6.43	3.37	1.30	6.20	3.30	1.41	5.96	3.22	1.53	5.72	3.13	1.66	5.26	2.92	1.80	4.86	2.76	1.98
		30°C	6.44	4.16	1.31	6.21	4.08	1.41	5.98	3.99	1.53	5.74	3.90	1.66	5.27	3.65	1.80	4.87	3.46	1.98
		33°C	6.46	4.87	1.31	6.24	4.79	1.42	6.01	4.69	1.54	5.77	4.58	1.66	5.31	4.30	1.81	4.92	4.08	1.99
		36°C	6.52	5.50	1.31	6.32	5.40	1.42	6.10	5.28	1.54	5.88	5.15	1.67	5.43	4.81	1.81	5.07	4.52	2.00

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (ºC)
EDB: Entering Dry Bulb Temp. (ºC)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 0 ºC to 46ºC withoutpressure trip.

Model: M5WM20G2R - M5LC020CR (1 PHASE)
Heating Mode

ID WB°C	Outdoor WB°C													
	-9		-6		-5		6		12		15		18	
	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)
15	3.189	3.189	3.610	3.610	3.750	3.750	5.291	5.291	6.132	6.132	6.553	6.553	6.973	6.973
17	3.106	3.106	3.514	3.514	3.677	3.677	5.285	5.285	6.106	6.106	6.535	6.535	6.964	6.964
19	3.022	3.022	3.418	3.418	3.605	3.605	5.279	5.279	6.080	6.080	6.517	6.517	6.954	6.954
21	2.938	2.938	3.340	3.340	3.532	3.532	5.241	5.241	6.055	6.055	6.500	6.500	6.945	6.945
23	2.855	2.855	3.279	3.279	3.459	3.459	5.173	5.173	6.029	6.029	6.482	6.482	6.935	6.935
25	2.771	2.771	3.218	3.218	3.387	3.387	5.105	5.105	6.003	6.003	6.464	6.464	6.926	6.926
27	2.688	2.688	3.157	3.157	3.314	3.314	5.037	5.037	5.977	5.977	6.447	6.447	6.917	6.917
	FROST REGION													

Heat Pump (R410A)

Model: M5WM20G2R - M5LC020CR (3 Phase)
Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
340	16°C	21°C	4.98	3.33	1.26	4.80	3.25	1.37	4.62	3.16	1.48	4.44	3.07	1.60	4.07	2.86	1.74	3.76	2.69	1.92
		24°C	4.98	3.99	1.26	4.81	3.90	1.37	4.63	3.81	1.48	4.44	3.71	1.61	4.08	3.47	1.74	3.78	3.27	1.92
		27°C	5.02	4.53	1.27	4.86	4.42	1.37	4.69	4.32	1.48	4.51	4.21	1.61	4.16	3.92	1.75	3.87	3.68	1.93
		30°C	5.18	5.18	1.27	5.03	5.03	1.38	4.88	4.88	1.49	4.72	4.72	1.62	4.38	4.38	1.76	4.09	4.09	1.95
	19°C	24°C	5.49	3.11	1.28	5.30	3.03	1.39	5.10	2.95	1.51	4.90	2.87	1.63	4.50	2.67	1.77	4.16	2.52	1.95
		27°C	5.49	3.56	1.28	5.30	3.48	1.39	5.11	3.40	1.51	4.91	3.32	1.63	4.51	3.10	1.77	4.17	2.94	1.95
		30°C	5.50	4.39	1.28	5.31	4.30	1.39	5.12	4.20	1.51	4.93	4.10	1.63	4.54	3.84	1.77	4.21	3.63	1.96
		33°C	5.57	5.57	1.29	5.39	5.39	1.39	5.21	5.21	1.51	5.03	5.03	1.64	4.66	4.66	1.78	4.35	4.35	1.97
	22°C	27°C	6.04	3.05	1.31	5.83	2.97	1.42	5.62	2.90	1.53	5.40	2.82	1.66	4.96	2.63	1.81	4.60	2.48	1.99
		30°C	6.04	3.71	1.31	5.83	3.63	1.42	5.62	3.55	1.53	5.40	3.47	1.66	4.97	3.24	1.81	4.60	3.08	1.99
		33°C	6.05	4.34	1.31	5.84	4.25	1.42	5.62	4.17	1.54	5.40	4.08	1.67	4.97	3.83	1.81	4.61	3.64	1.99
		36°C	6.06	4.92	1.31	5.86	4.82	1.42	5.66	4.72	1.54	5.46	4.61	1.67	5.03	4.33	1.81	4.68	4.10	2.00
410	16°C	21°C	5.18	3.48	1.27	4.99	3.39	1.38	4.80	3.30	1.49	4.61	3.20	1.62	4.23	2.98	1.76	3.90	2.81	1.94
		24°C	5.20	4.22	1.28	5.01	4.12	1.38	4.82	4.02	1.49	4.63	3.92	1.62	4.25	3.66	1.76	3.93	3.45	1.94
		27°C	5.26	4.79	1.28	5.08	4.68	1.38	4.91	4.56	1.50	4.73	4.43	1.63	4.37	4.11	1.77	4.07	3.85	1.95
		30°C	5.48	5.48	1.29	5.32	5.32	1.39	5.16	5.16	1.51	4.99	4.99	1.64	4.62	4.62	1.78	4.32	4.32	1.97
	19°C	24°C	5.71	3.29	1.30	5.50	3.21	1.40	5.30	3.12	1.52	5.08	3.04	1.65	4.67	2.83	1.79	4.31	2.67	1.97
		27°C	5.72	3.79	1.30	5.51	3.71	1.40	5.31	3.62	1.52	5.09	3.54	1.65	4.68	3.31	1.79	4.33	3.13	1.97
		30°C	5.74	4.67	1.30	5.54	4.57	1.40	5.35	4.47	1.52	5.14	4.36	1.65	4.73	4.08	1.79	4.39	3.85	1.98
		33°C	5.84	5.84	1.30	5.66	5.66	1.41	5.48	5.48	1.53	5.30	5.30	1.66	4.91	4.91	1.81	4.59	4.59	1.99
	22°C	27°C	6.27	3.22	1.32	6.05	3.15	1.43	5.82	3.07	1.55	5.59	2.98	1.68	5.14	2.78	1.82	4.75	2.63	2.01
		30°C	6.28	3.95	1.32	6.06	3.87	1.43	5.83	3.78	1.55	5.60	3.70	1.68	5.15	3.46	1.82	4.76	3.28	2.01
		33°C	6.29	4.63	1.32	6.07	4.54	1.43	5.85	4.45	1.55	5.62	4.36	1.68	5.17	4.09	1.83	4.79	3.88	2.01
		36°C	6.33	5.24	1.32	6.12	5.14	1.43	5.91	5.03	1.56	5.69	4.91	1.69	5.25	4.60	1.83	4.90	4.34	2.02
490	16°C	21°C	5.37	3.63	1.29	5.17	3.54	1.39	4.98	3.44	1.51	4.77	3.35	1.63	4.37	3.12	1.77	4.03	2.93	1.95
		24°C	5.40	4.41	1.29	5.20	4.30	1.39	5.01	4.20	1.51	4.81	4.09	1.63	4.41	3.82	1.77	4.08	3.60	1.95
		27°C	5.49	5.05	1.29	5.31	4.92	1.40	5.13	4.78	1.51	4.94	4.64	1.64	4.57	4.30	1.78	4.26	4.01	1.97
		30°C	5.76	5.76	1.30	5.59	5.59	1.41	5.42	5.42	1.53	5.24	5.24	1.66	4.85	4.85	1.80	4.53	4.53	1.99
	19°C	24°C	5.91	3.48	1.31	5.70	3.39	1.41	5.48	3.31	1.53	5.26	3.22	1.66	4.83	3.00	1.80	4.46	2.83	1.98
		27°C	5.93	4.03	1.31	5.72	3.93	1.42	5.50	3.84	1.53	5.28	3.75	1.66	4.85	3.51	1.80	4.48	3.32	1.99
		30°C	5.98	4.96	1.31	5.77	4.85	1.42	5.56	4.74	1.54	5.35	4.62	1.67	4.92	4.31	1.81	4.57	4.07	1.99
		33°C	6.11	6.11	1.32	5.93	5.93	1.43	5.75	5.75	1.55	5.56	5.56	1.68	5.15	5.15	1.83	4.81	4.81	2.02
	22°C	27°C	6.49	3.40	1.33	6.26	3.33	1.44	6.02	3.25	1.56	5.78	3.16	1.69	5.31	2.95	1.84	4.91	2.79	2.02
		30°C	6.50	4.20	1.33	6.27	4.12	1.44	6.03	4.03	1.56	5.79	3.94	1.70	5.32	3.69	1.84	4.92	3.49	2.03
		33°C	6.52	4.92	1.33	6.30	4.83	1.44	6.07	4.73	1.57	5.83	4.63	1.70	5.36	4.34	1.84	4.97	4.12	2.03
		36°C	6.58	5.55	1.34	6.38	5.45	1.45	6.16	5.33	1.57	5.93	5.20	1.71	5.48	4.85	1.85	5.11	4.57	2.04

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (ºC)
EDB: Entering Dry Bulb Temp. (ºC)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 0 ºC to 46ºC withoutpressure trip.

Model: M5WM20G2R - M5LC020CR (3 PHASE)
Heating Mode

ID WB°C	Outdoor WB°C													
	-9		-6		-5		6		12		15		18	
	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)
15	3.278	3.278	3.710	3.710	3.854	3.854	5.438	5.438	6.302	6.302	6.735	6.735	7.167	7.167
17	3.192	3.192	3.598	3.598	3.776	3.776	5.432	5.432	6.259	6.259	6.697	6.697	7.135	7.135
19	3.1069	3.106	3.485	3.485	3.698	3.698	5.425	5.425	6.215	6.215	6.659	6.659	7.103	7.103
21	3.020	3.020	3.401	3.401	3.620	3.620	5.376	5.376	6.171	6.171	6.621	6.621	7.071	7.071
23	2.934	2.934	3.344	3.344	3.542	3.542	5.285	5.285	6.127	6.127	6.583	6.583	7.039	7.039
25	2.848	2.848	3.287	3.287	3.464	3.464	5.194	5.194	6.083	6.083	6.545	6.545	7.007	7.007
27	2.762	2.762	3.230	3.230	3.386	3.386	5.103	5.103	6.039	6.039	6.507	6.507	6.975	6.975
	FROST REGION													

Heat Pump (R410A)

Model: M5WM25G2R - M5LC025CR
Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
440	16°C	21°C	5.62	4.03	1.41	5.42	3.92	1.53	5.22	3.82	1.66	5.01	3.71	1.79	4.60	3.45	1.95	4.25	3.25	2.15
		24°C	5.63	4.82	1.41	5.43	4.71	1.53	5.23	4.60	1.66	5.02	4.49	1.80	4.61	4.19	1.95	4.26	3.96	2.15
		27°C	5.67	5.47	1.42	5.48	5.34	1.53	5.29	5.22	1.66	5.09	5.08	1.80	4.70	4.70	1.95	4.37	4.37	2.16
		30°C	5.84	5.84	1.42	5.68	5.68	1.54	5.51	5.51	1.67	5.33	5.33	1.81	4.94	4.94	1.97	4.62	4.62	2.18
	19°C	24°C	6.20	3.76	1.44	5.98	3.67	1.55	5.76	3.57	1.68	5.53	3.47	1.83	5.08	3.23	1.98	4.70	3.04	2.18
		27°C	6.20	4.30	1.44	5.98	4.21	1.55	5.76	4.11	1.68	5.54	4.01	1.83	5.09	3.75	1.98	4.71	3.55	2.18
		30°C	6.21	5.31	1.44	6.00	5.20	1.55	5.78	5.08	1.69	5.57	4.96	1.83	5.12	4.64	1.98	4.75	4.39	2.19
		33°C	6.28	6.28	1.44	6.08	6.08	1.56	5.88	5.88	1.69	5.68	5.68	1.84	5.26	5.26	1.99	4.92	4.92	2.20
	22°C	27°C	6.82	3.68	1.46	6.58	3.59	1.58	6.34	3.50	1.72	6.09	3.41	1.86	5.60	3.17	2.02	5.19	2.99	2.23
		30°C	6.82	4.49	1.46	6.58	4.39	1.58	6.34	4.29	1.72	6.10	4.19	1.86	5.61	3.92	2.02	5.19	3.72	2.23
		33°C	6.82	5.24	1.46	6.59	5.14	1.58	6.35	5.04	1.72	6.10	4.93	1.86	5.61	4.63	2.02	5.20	4.40	2.23
		36°C	6.85	5.94	1.46	6.62	5.82	1.59	6.39	5.70	1.72	6.16	5.57	1.87	5.68	5.23	2.02	5.28	4.96	2.23
490	16°C	21°C	5.85	4.20	1.43	5.64	4.09	1.54	5.42	3.98	1.67	5.20	3.87	1.81	4.77	3.60	1.96	4.40	3.39	2.16
		24°C	5.86	5.10	1.43	5.65	4.98	1.54	5.44	4.86	1.67	5.22	4.74	1.81	4.80	4.42	1.97	4.43	4.17	2.17
		27°C	5.93	5.79	1.43	5.73	5.66	1.55	5.54	5.51	1.68	5.34	5.34	1.82	4.93	4.93	1.97	4.59	4.59	2.18
		30°C	6.18	6.18	1.44	6.00	6.00	1.56	5.82	5.82	1.69	5.63	5.63	1.84	5.22	5.22	2.00	4.88	4.88	2.20
	19°C	24°C	6.44	3.97	1.45	6.21	3.87	1.57	5.98	3.77	1.70	5.74	3.67	1.84	5.27	3.42	2.00	4.87	3.22	2.20
		27°C	6.45	4.58	1.45	6.22	4.48	1.57	5.99	4.37	1.70	5.75	4.27	1.84	5.28	3.99	2.00	4.88	3.78	2.20
		30°C	6.48	5.65	1.45	6.26	5.52	1.57	6.03	5.40	1.70	5.80	5.27	1.85	5.34	4.93	2.00	4.96	4.65	2.21
		33°C	6.59	6.59	1.46	6.39	6.39	1.58	6.19	6.19	1.71	5.98	5.98	1.86	5.54	5.54	2.02	5.18	5.18	2.23
	22°C	27°C	7.08	3.89	1.48	6.83	3.80	1.60	6.57	3.70	1.73	6.31	3.60	1.88	5.80	3.36	2.04	5.37	3.17	2.24
		30°C	7.09	4.77	1.48	6.84	4.68	1.60	6.58	4.57	1.73	6.32	4.46	1.88	5.81	4.18	2.04	5.37	3.97	2.25
		33°C	7.10	5.59	1.48	6.85	5.49	1.60	6.60	5.38	1.73	6.34	5.26	1.88	5.83	4.94	2.04	5.41	4.69	2.25
		36°C	7.14	6.32	1.48	6.91	6.20	1.60	6.67	6.08	1.74	6.43	5.93	1.89	5.93	5.55	2.05	5.53	5.24	2.26
630	16°C	21°C	6.06	4.38	1.44	5.84	4.27	1.55	5.62	4.16	1.68	5.38	4.04	1.83	4.94	3.77	1.98	4.55	3.55	2.18
		24°C	6.10	5.33	1.44	5.87	5.20	1.56	5.65	5.07	1.69	5.42	4.94	1.83	4.98	4.61	1.98	4.60	4.35	2.19
		27°C	6.19	6.11	1.44	5.99	5.95	1.56	5.79	5.78	1.69	5.58	5.58	1.84	5.16	5.16	1.99	4.81	4.81	2.20
		30°C	6.50	6.50	1.46	6.31	6.31	1.58	6.12	6.12	1.71	5.92	5.92	1.86	5.48	5.48	2.02	5.12	5.12	2.23
	19°C	24°C	6.67	4.21	1.46	6.43	4.10	1.58	6.19	4.00	1.71	5.94	3.89	1.86	5.45	3.62	2.02	5.03	3.42	2.22
		27°C	6.69	4.87	1.46	6.45	4.75	1.58	6.21	4.64	1.72	5.96	4.53	1.86	5.47	4.24	2.02	5.06	4.01	2.22
		30°C	6.75	5.99	1.47	6.51	5.86	1.59	6.28	5.72	1.72	6.04	5.58	1.86	5.56	5.21	2.02	5.16	4.91	2.23
		33°C	6.90	6.90	1.47	6.69	6.69	1.60	6.49	6.49	1.73	6.27	6.27	1.88	5.81	5.81	2.04	5.44	5.44	2.25
	22°C	27°C	7.32	4.11	1.49	7.06	4.02	1.61	6.80	3.92	1.75	6.52	3.82	1.90	5.99	3.56	2.06	5.54	3.37	2.26
		30°C	7.34	5.07	1.49	7.08	4.98	1.61	6.81	4.87	1.75	6.54	4.76	1.90	6.01	4.45	2.06	5.56	4.22	2.27
		33°C	7.36	5.94	1.49	7.11	5.84	1.62	6.85	5.72	1.75	6.58	5.59	1.90	6.05	5.24	2.06	5.61	4.97	2.27
		36°C	7.43	6.71	1.49	7.20	6.59	1.62	6.95	6.45	1.76	6.70	6.29	1.91	6.19	5.86	2.07	5.77	5.52	2.28

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (ºC)
EDB: Entering Dry Bulb Temp. (ºC)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 0 ºC to 46ºC withoutpressure trip.

Model: M5WM25G2R - M5LC025CR (1 PHASE)
Heating Mode

ID WB°C	Outdoor WB°C													
	-9		-6		-5		6		12		15		18	
	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)
15	3.898	3.898	4.412	4.412	4.583	4.583	6.467	6.467	7.495	7.495	8.009	8.009	8.523	8.523
17	3.796	3.796	4.288	4.288	4.495	4.495	6.459	6.459	7.469	7.469	7.994	7.994	8.519	8.519
19	3.694	3.694	4.165	4.165	4.408	4.408	6.452	6.452	7.443	7.443	7.979	7.979	8.515	8.515
21	3.591	3.591	4.069	4.068	4.320	4.320	6.410	6.410	7.418	7.418	7.964	7.964	8.511	8.511
23	3.489	3.489	4.001	4.001	4.233	4.233	6.334	6.334	7.392	7.392	7.950	7.950	8.507	8.507
25	3.387	3.387	3.932	3.932	4.145	4.145	6.258	6.258	7.366	7.366	7.935	7.935	8.503	8.503
27	3.285	3.285	3.864	3.864	4.057	4.057	6.182	6.182	7.341	7.341	7.920	7.920	8.499	8.499
	FROST REGION													

Heat Pump (R410A)

Model: M5WM25G2R - M5LC025CR (3 Phase)
Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
440	16°C	21°C	6.21	4.45	1.67	5.99	4.34	1.80	5.77	4.22	1.95	5.54	4.10	2.12	5.09	3.81	2.30	4.70	3.59	2.53
		24°C	6.22	5.33	1.67	6.00	5.21	1.80	5.78	5.09	1.95	5.55	4.96	2.12	5.10	4.64	2.30	4.71	4.37	2.53
		27°C	6.27	6.05	1.67	6.06	5.91	1.81	5.85	5.77	1.96	5.63	5.62	2.12	5.19	5.19	2.31	4.83	4.83	2.54
		30°C	6.46	6.46	1.68	6.28	6.28	1.82	6.09	6.09	1.97	5.89	5.89	2.14	5.46	5.46	2.33	5.11	5.11	2.57
	19°C	24°C	6.85	4.16	1.69	6.61	4.05	1.83	6.37	3.94	1.99	6.12	3.83	2.16	5.62	3.57	2.34	5.20	3.36	2.58
		27°C	6.86	4.76	1.69	6.62	4.65	1.83	6.37	4.54	1.99	6.12	4.43	2.16	5.63	4.15	2.34	5.20	3.93	2.58
		30°C	6.87	5.87	1.69	6.63	5.75	1.84	6.40	5.62	1.99	6.15	5.48	2.16	5.67	5.13	2.34	5.26	4.85	2.58
		33°C	6.95	6.95	1.70	6.72	6.72	1.84	6.50	6.50	1.99	6.28	6.28	2.17	5.81	5.81	2.35	5.43	5.43	2.60
	22°C	27°C	7.54	4.07	1.72	7.28	3.97	1.87	7.01	3.87	2.03	6.74	3.77	2.20	6.20	3.51	2.38	5.74	3.31	2.63
		30°C	7.54	4.96	1.72	7.28	4.85	1.87	7.01	4.74	2.03	6.74	4.63	2.20	6.20	4.33	2.38	5.74	4.11	2.63
		33°C	7.55	5.79	1.73	7.28	5.68	1.87	7.02	5.57	2.03	6.74	5.45	2.20	6.21	5.12	2.38	5.75	4.86	2.63
		36°C	7.57	6.57	1.73	7.32	6.44	1.87	7.07	6.30	2.03	6.81	6.16	2.20	6.28	5.78	2.39	5.84	5.48	2.63
490	16°C	21°C	6.46	4.64	1.68	6.23	4.53	1.82	5.99	4.40	1.97	5.75	4.28	2.14	5.28	3.99	2.32	4.87	3.75	2.55
		24°C	6.48	5.64	1.68	6.25	5.51	1.82	6.02	5.37	1.97	5.77	5.24	2.14	5.30	4.89	2.32	4.90	4.61	2.56
		27°C	6.56	6.40	1.69	6.34	6.25	1.83	6.12	6.09	1.98	5.90	5.90	2.15	5.45	5.45	2.33	5.08	5.08	2.57
		30°C	6.84	6.84	1.70	6.64	6.64	1.84	6.43	6.43	2.00	6.23	6.23	2.17	5.77	5.77	2.35	5.39	5.39	2.60
	19°C	24°C	7.12	4.39	1.71	6.87	4.28	1.85	6.61	4.17	2.01	6.34	4.06	2.17	5.83	3.78	2.36	5.38	3.56	2.60
		27°C	7.13	5.06	1.71	6.88	4.95	1.85	6.62	4.84	2.01	6.36	4.72	2.18	5.84	4.41	2.36	5.40	4.18	2.60
		30°C	7.17	6.24	1.71	6.92	6.11	1.85	6.67	5.97	2.01	6.42	5.83	2.18	5.91	5.45	2.37	5.48	5.15	2.61
		33°C	7.29	7.29	1.72	7.07	7.07	1.86	6.84	6.84	2.02	6.61	6.61	2.19	6.13	6.13	2.38	5.73	5.73	2.63
	22°C	27°C	7.82	4.30	1.74	7.55	4.20	1.89	7.27	4.09	2.05	6.98	3.98	2.22	6.41	3.72	2.41	5.93	3.51	2.65
		30°C	7.83	5.28	1.74	7.56	5.17	1.89	7.28	5.05	2.05	6.99	4.94	2.22	6.42	4.62	2.41	5.94	4.39	2.65
		33°C	7.85	6.19	1.74	7.58	6.07	1.89	7.30	5.94	2.05	7.01	5.82	2.22	6.45	5.46	2.41	5.98	5.18	2.65
		36°C	7.90	6.99	1.75	7.64	6.86	1.89	7.37	6.72	2.05	7.11	6.56	2.23	6.56	6.14	2.42	6.11	5.79	2.67
630	16°C	21°C	6.70	4.85	1.70	6.46	4.72	1.83	6.21	4.60	1.99	5.95	4.47	2.15	5.46	4.16	2.34	5.03	3.92	2.57
		24°C	6.74	5.89	1.70	6.49	5.75	1.84	6.25	5.61	1.99	6.00	5.46	2.16	5.51	5.10	2.34	5.09	4.81	2.58
		27°C	6.85	6.75	1.70	6.62	6.58	1.84	6.40	6.39	2.00	6.17	6.17	2.17	5.70	5.70	2.35	5.31	5.31	2.60
		30°C	7.19	7.19	1.72	6.98	6.98	1.86	6.77	6.77	2.02	6.54	6.54	2.19	6.06	6.06	2.38	5.66	5.66	2.63
	19°C	24°C	7.38	4.65	1.72	7.11	4.54	1.87	6.84	4.42	2.02	6.56	4.30	2.19	6.02	4.01	2.38	5.56	3.78	2.62
		27°C	7.40	5.38	1.73	7.14	5.26	1.87	6.87	5.13	2.02	6.59	5.01	2.20	6.05	4.68	2.38	5.59	4.43	2.62
		30°C	7.46	6.62	1.73	7.20	6.48	1.87	6.94	6.33	2.03	6.67	6.17	2.20	6.15	5.76	2.39	5.70	5.43	2.63
		33°C	7.62	7.62	1.74	7.40	7.40	1.88	7.17	7.17	2.04	6.94	6.94	2.22	6.43	6.43	2.41	6.01	6.01	2.66
	22°C	27°C	8.10	4.55	1.76	7.81	4.45	1.90	7.52	4.34	2.06	7.21	4.22	2.24	6.63	3.94	2.43	6.12	3.72	2.67
		30°C	8.11	5.61	1.76	7.83	5.50	1.90	7.53	5.38	2.06	7.23	5.26	2.24	6.64	4.93	2.43	6.14	4.67	2.67
		33°C	8.14	6.57	1.76	7.86	6.46	1.91	7.57	6.32	2.07	7.27	6.18	2.24	6.69	5.79	2.43	6.20	5.50	2.68
		36°C	8.21	7.42	1.76	7.96	7.29	1.91	7.68	7.13	2.07	7.41	6.95	2.25	6.84	6.48	2.44	6.38	6.10	2.70

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (ºC)
EDB: Entering Dry Bulb Temp. (ºC)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 0 ºC to 46ºC withoutpressure trip.

Model: M5WM25G2R - M5LC025CR (3 PHASE)
Heating Mode

ID WB°C	Outdoor WB°C													
	-9		-6		-5		6		12		15		18	
	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)
15	4.075	4.075	4.612	4.612	4.791	4.791	6.761	6.761	7.835	7.835	8.373	8.373	8.910	8.910
17	3.968	3.968	4.514	4.514	4.685	4.685	6.753	6.753	7.732	7.732	8.270	8.270	8.807	8.807
19	3.861	3.861	4.416	4.416	4.579	4.579	6.745	6.745	7.628	7.628	8.167	8.167	8.705	8.705
21	3.755	3.755	4.311	4.311	4.473	4.473	6.654	6.654	7.525	7.525	8.063	8.063	8.602	8.602
23	3.648	3.648	4.199	4.199	4.367	4.367	6.481	6.481	7.421	7.421	7.960	7.960	8.499	8.499
25	3.541	3.541	4.086	4.086	4.260	4.260	6.308	6.308	7.318	7.318	7.857	7.857	8.397	8.397
27	3.434	3.434	3.974	3.974	4.154	4.154	6.134	6.134	7.214	7.214	7.754	7.754	8.294	8.294
	FROST REGION													

Heat Pump (R410A)

Model: M5WM030FR - M5LC028CR
Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
500	16°C	21°C	7.18	4.68	1.95	6.93	4.55	2.10	6.67	4.43	2.28	6.40	4.30	2.47	5.88	4.01	2.68	5.43	3.77	2.95
		24°C	7.19	5.60	1.95	6.94	5.47	2.10	6.68	5.34	2.28	6.41	5.21	2.47	5.89	4.87	2.68	5.45	4.59	2.96
		27°C	7.25	6.35	1.95	7.01	6.21	2.11	6.76	6.06	2.28	6.51	5.90	2.48	6.01	5.49	2.69	5.59	5.16	2.97
		30°C	7.47	7.47	1.96	7.26	7.26	2.12	7.04	7.04	2.30	6.81	6.81	2.50	6.32	6.32	2.71	5.91	5.91	3.00
	19°C	24°C	7.92	4.37	1.98	7.65	4.26	2.14	7.37	4.14	2.32	7.07	4.03	2.51	6.50	3.75	2.73	6.01	3.53	3.01
		27°C	7.93	5.00	1.98	7.65	4.88	2.14	7.37	4.77	2.32	7.08	4.66	2.51	6.51	4.35	2.73	6.02	4.13	3.01
		30°C	7.94	6.16	1.98	7.67	6.03	2.14	7.40	5.90	2.32	7.12	5.76	2.52	6.55	5.38	2.73	6.08	5.10	3.01
		33°C	8.04	8.04	1.98	7.77	7.77	2.15	7.52	7.52	2.33	7.27	7.27	2.53	6.72	6.72	2.74	6.29	6.29	3.03
	22°C	27°C	8.72	4.27	2.01	8.42	4.17	2.18	8.11	4.07	2.36	7.79	3.95	2.56	7.17	3.68	2.78	6.63	3.47	3.06
		30°C	8.72	5.21	2.01	8.42	5.10	2.18	8.11	4.98	2.36	7.79	4.86	2.56	7.17	4.55	2.78	6.64	4.32	3.06
		33°C	8.73	6.08	2.01	8.42	5.97	2.18	8.12	5.85	2.36	7.80	5.73	2.56	7.18	5.38	2.78	6.65	5.11	3.07
		36°C	8.75	6.90	2.01	8.47	6.76	2.18	8.17	6.62	2.37	7.87	6.47	2.57	7.26	6.07	2.79	6.75	5.76	3.07
630	16°C	21°C	7.48	4.88	1.96	7.21	4.75	2.12	6.93	4.63	2.30	6.65	4.50	2.49	6.10	4.19	2.70	5.63	3.94	2.98
		24°C	7.50	5.92	1.96	7.23	5.78	2.12	6.96	5.64	2.30	6.68	5.50	2.49	6.13	5.13	2.71	5.67	4.85	2.98
		27°C	7.59	6.73	1.97	7.33	6.57	2.13	7.08	6.40	2.31	6.83	6.21	2.50	6.30	5.77	2.72	5.87	5.39	3.00
		30°C	7.91	7.91	1.98	7.68	7.68	2.15	7.44	7.44	2.33	7.20	7.20	2.53	6.67	6.67	2.75	6.24	6.24	3.03
	19°C	24°C	8.24	4.62	1.99	7.94	4.50	2.16	7.65	4.38	2.34	7.34	4.26	2.54	6.74	3.97	2.75	6.23	3.74	3.03
		27°C	8.25	5.32	2.00	7.96	5.20	2.16	7.66	5.08	2.34	7.35	4.96	2.54	6.75	4.64	2.75	6.24	4.39	3.03
		30°C	8.29	6.56	2.00	8.00	6.42	2.16	7.72	6.27	2.34	7.42	6.12	2.54	6.83	5.72	2.76	6.34	5.41	3.04
		33°C	8.43	8.43	2.00	8.17	8.17	2.17	7.91	7.91	2.36	7.65	7.65	2.56	7.08	7.08	2.78	6.62	6.62	3.07
	22°C	27°C	9.05	4.52	2.03	8.73	4.41	2.20	8.41	4.30	2.39	8.07	4.18	2.59	7.42	3.90	2.81	6.86	3.68	3.09
		30°C	9.06	5.54	2.03	8.74	5.43	2.20	8.42	5.31	2.39	8.08	5.19	2.59	7.43	4.86	2.81	6.87	4.61	3.09
		33°C	9.08	6.50	2.03	8.76	6.37	2.20	8.44	6.24	2.39	8.11	6.11	2.59	7.46	5.73	2.81	6.91	5.44	3.10
		36°C	9.13	7.35	2.04	8.84	7.21	2.21	8.53	7.06	2.39	8.22	6.89	2.60	7.58	6.45	2.82	7.07	6.08	3.11
670	16°C	21°C	7.75	5.09	1.98	7.47	4.96	2.14	7.18	4.83	2.32	6.88	4.69	2.51	6.31	4.37	2.72	5.82	4.11	3.00
		24°C	7.79	6.18	1.98	7.51	6.04	2.14	7.23	5.89	2.32	6.94	5.74	2.52	6.37	5.35	2.73	5.88	5.05	3.01
		27°C	7.92	7.09	1.99	7.66	6.90	2.15	7.40	6.71	2.33	7.14	6.50	2.53	6.59	6.02	2.75	6.14	5.62	3.03
		30°C	8.31	8.31	2.00	8.07	8.07	2.17	7.82	7.82	2.35	7.57	7.57	2.56	7.01	7.01	2.78	6.54	6.54	3.07
	19°C	24°C	8.53	4.88	2.01	8.22	4.76	2.18	7.91	4.64	2.36	7.59	4.51	2.56	6.96	4.21	2.77	6.43	3.97	3.06
		27°C	8.56	5.65	2.01	8.25	5.52	2.18	7.94	5.39	2.36	7.62	5.26	2.56	7.00	4.92	2.78	6.47	4.65	3.06
		30°C	8.63	6.95	2.02	8.32	6.80	2.18	8.02	6.64	2.37	7.72	6.48	2.57	7.11	6.05	2.78	6.60	5.70	3.07
		33°C	8.82	8.82	2.03	8.56	8.56	2.20	8.29	8.29	2.38	8.02	8.02	2.59	7.43	7.43	2.81	6.95	6.95	3.10
	22°C	27°C	9.36	4.78	2.05	9.03	4.67	2.22	8.69	4.55	2.41	8.34	4.43	2.61	7.66	4.14	2.83	7.08	3.91	3.11
		30°C	9.38	5.89	2.05	9.05	5.78	2.22	8.71	5.65	2.41	8.36	5.52	2.61	7.68	5.17	2.83	7.10	4.90	3.12
		33°C	9.41	6.90	2.05	9.09	6.78	2.22	8.75	6.64	2.41	8.41	6.49	2.61	7.74	6.08	2.84	7.17	5.77	3.12
		36°C	9.50	7.79	2.06	9.20	7.65	2.23	8.88	7.48	2.42	8.56	7.30	2.63	7.91	6.81	2.85	7.38	6.41	3.14

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (ºC)
EDB: Entering Dry Bulb Temp. (ºC)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 0 ºC to 46ºC withoutpressure trip.

Model: M5WM030FR - M5LC028CR (1 & 3 PHASE)
Heating Mode

ID WB°C	Outdoor WB°C													
	-9		-6		-5		6		12		15		18	
	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)
15	4.607	4.607	5.214	5.214	5.416	5.416	7.643	7.643	8.858	8.858	9.465	9.465	10.072	10.072
17	4.486	4.486	5.121	5.121	5.289	5.289	7.634	7.634	8.703	8.703	9.305	9.305	9.908	9.908
19	4.365	4.365	5.029	5.029	5.162	5.162	7.625	7.625	8.548	8.548	9.146	9.146	9.743	9.743
21	4.244	4.244	4.908	4.908	5.035	5.035	7.499	7.499	8.393	8.393	8.986	8.986	9.579	9.579
23	4.124	4.124	4.759	4.759	4.907	4.907	7.257	7.257	8.239	8.239	8.827	8.827	9.414	9.414
25	4.003	4.003	4.609	4.609	4.780	4.780	7.015	7.015	8.084	8.084	8.667	8.667	9.250	9.250
27	3.882	3.882	4.460	4.460	4.653	4.653	6.773	6.773	7.929	7.929	8.507	8.507	9.086	9.086
	FROST REGION													

Heat Pump (R410A)

Model: M5WM030FR - M5LC028CR (3 Phase)
Cooling Mode

AFR (CFM)	EWB	EDB	Outdoor temperature																	
			19°C			25°C			30°C			35°C			40°C			46°C		
			TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
500	16°C	21°C	7.18	4.68	2.00	6.93	4.55	2.16	6.67	4.43	2.34	6.40	4.30	2.54	5.88	4.01	2.75	5.43	3.77	3.04
		24°C	7.19	5.60	2.00	6.94	5.47	2.16	6.68	5.34	2.34	6.41	5.21	2.54	5.89	4.87	2.76	5.45	4.59	3.04
		27°C	7.25	6.35	2.00	7.01	6.21	2.17	6.76	6.06	2.35	6.51	5.90	2.55	6.01	5.49	2.76	5.59	5.16	3.05
		30°C	7.47	7.47	2.01	7.26	7.26	2.18	7.04	7.04	2.36	6.81	6.81	2.57	6.32	6.32	2.79	5.91	5.91	3.08
	19°C	24°C	7.92	4.37	2.03	7.65	4.26	2.20	7.37	4.14	2.38	7.07	4.03	2.58	6.50	3.75	2.80	6.01	3.53	3.09
		27°C	7.93	5.00	2.03	7.65	4.88	2.20	7.37	4.77	2.38	7.08	4.66	2.58	6.51	4.35	2.80	6.02	4.13	3.09
		30°C	7.94	6.16	2.03	7.67	6.03	2.20	7.40	5.90	2.38	7.12	5.76	2.59	6.55	5.38	2.81	6.08	5.10	3.09
		33°C	8.04	8.04	2.04	7.77	7.77	2.21	7.52	7.52	2.39	7.27	7.27	2.60	6.72	6.72	2.82	6.29	6.29	3.11
	22°C	27°C	8.72	4.27	2.07	8.42	4.17	2.24	8.11	4.07	2.43	7.79	3.95	2.63	7.17	3.68	2.86	6.63	3.47	3.15
		30°C	8.72	5.21	2.07	8.42	5.10	2.24	8.11	4.98	2.43	7.79	4.86	2.63	7.17	4.55	2.86	6.64	4.32	3.15
		33°C	8.73	6.08	2.07	8.42	5.97	2.24	8.12	5.85	2.43	7.80	5.73	2.63	7.18	5.38	2.86	6.65	5.11	3.15
		36°C	8.75	6.90	2.07	8.47	6.76	2.24	8.17	6.62	2.43	7.87	6.47	2.64	7.26	6.07	2.86	6.75	5.76	3.16
630	16°C	21°C	7.48	4.88	2.02	7.21	4.75	2.18	6.93	4.63	2.36	6.65	4.50	2.56	6.10	4.19	2.78	5.63	3.94	3.06
		24°C	7.50	5.92	2.02	7.23	5.78	2.18	6.96	5.64	2.36	6.68	5.50	2.56	6.13	5.13	2.78	5.67	4.85	3.07
		27°C	7.59	6.73	2.02	7.33	6.57	2.19	7.08	6.40	2.37	6.83	6.21	2.57	6.30	5.77	2.79	5.87	5.39	3.08
		30°C	7.91	7.91	2.04	7.68	7.68	2.21	7.44	7.44	2.39	7.20	7.20	2.60	6.67	6.67	2.82	6.24	6.24	3.12
	19°C	24°C	8.24	4.62	2.05	7.94	4.50	2.22	7.65	4.38	2.40	7.34	4.26	2.61	6.74	3.97	2.83	6.23	3.74	3.12
		27°C	8.25	5.32	2.05	7.96	5.20	2.22	7.66	5.08	2.40	7.35	4.96	2.61	6.75	4.64	2.83	6.24	4.39	3.12
		30°C	8.29	6.56	2.05	8.00	6.42	2.22	7.72	6.27	2.41	7.42	6.12	2.61	6.83	5.72	2.83	6.34	5.41	3.13
		33°C	8.43	8.43	2.06	8.17	8.17	2.23	7.91	7.91	2.42	7.65	7.65	2.63	7.08	7.08	2.86	6.62	6.62	3.15
	22°C	27°C	9.05	4.52	2.09	8.73	4.41	2.26	8.41	4.30	2.45	8.07	4.18	2.66	7.42	3.90	2.88	6.86	3.68	3.18
		30°C	9.06	5.54	2.09	8.74	5.43	2.26	8.42	5.31	2.45	8.08	5.19	2.66	7.43	4.86	2.88	6.87	4.61	3.18
		33°C	9.08	6.50	2.09	8.76	6.37	2.26	8.44	6.24	2.45	8.11	6.11	2.66	7.46	5.73	2.89	6.91	5.44	3.18
		36°C	9.13	7.35	2.09	8.84	7.21	2.27	8.53	7.06	2.46	8.22	6.89	2.67	7.58	6.45	2.90	7.07	6.08	3.20
670	16°C	21°C	7.75	5.09	2.03	7.47	4.96	2.20	7.18	4.83	2.38	6.88	4.69	2.58	6.31	4.37	2.80	5.82	4.11	3.09
		24°C	7.79	6.18	2.04	7.51	6.04	2.20	7.23	5.89	2.38	6.94	5.74	2.59	6.37	5.35	2.80	5.88	5.05	3.09
		27°C	7.92	7.09	2.04	7.66	6.90	2.21	7.40	6.71	2.39	7.14	6.50	2.60	6.59	6.02	2.82	6.14	5.62	3.11
		30°C	8.31	8.31	2.06	8.07	8.07	2.23	7.82	7.82	2.42	7.57	7.57	2.63	7.01	7.01	2.85	6.54	6.54	3.15
	19°C	24°C	8.53	4.88	2.07	8.22	4.76	2.24	7.91	4.64	2.42	7.59	4.51	2.63	6.96	4.21	2.85	6.43	3.97	3.14
		27°C	8.56	5.65	2.07	8.25	5.52	2.24	7.94	5.39	2.43	7.62	5.26	2.63	7.00	4.92	2.85	6.47	4.65	3.14
		30°C	8.63	6.95	2.07	8.32	6.80	2.24	8.02	6.64	2.43	7.72	6.48	2.64	7.11	6.05	2.86	6.60	5.70	3.16
		33°C	8.82	8.82	2.08	8.56	8.56	2.26	8.29	8.29	2.45	8.02	8.02	2.66	7.43	7.43	2.89	6.95	6.95	3.19
	22°C	27°C	9.36	4.78	2.11	9.03	4.67	2.28	8.69	4.55	2.47	8.34	4.43	2.68	7.66	4.14	2.91	7.08	3.91	3.20
		30°C	9.38	5.89	2.11	9.05	5.78	2.28	8.71	5.65	2.47	8.36	5.52	2.68	7.68	5.17	2.91	7.10	4.90	3.20
		33°C	9.41	6.90	2.11	9.09	6.78	2.29	8.75	6.64	2.48	8.41	6.49	2.69	7.74	6.08	2.91	7.17	5.77	3.21
		36°C	9.50	7.79	2.11	9.20	7.65	2.29	8.88	7.48	2.49	8.56	7.30	2.70	7.91	6.81	2.93	7.38	6.41	3.23

Remark:
AFR: Air flow rate (CFM)
EWB: Entering Wet Bulb Temp. (ºC)
EDB: Entering Dry Bulb Temp. (ºC)
TC: Total Cooling Capacity (kW)
SHC: Sensible Heat Capacity (kW)
PI: Power Input

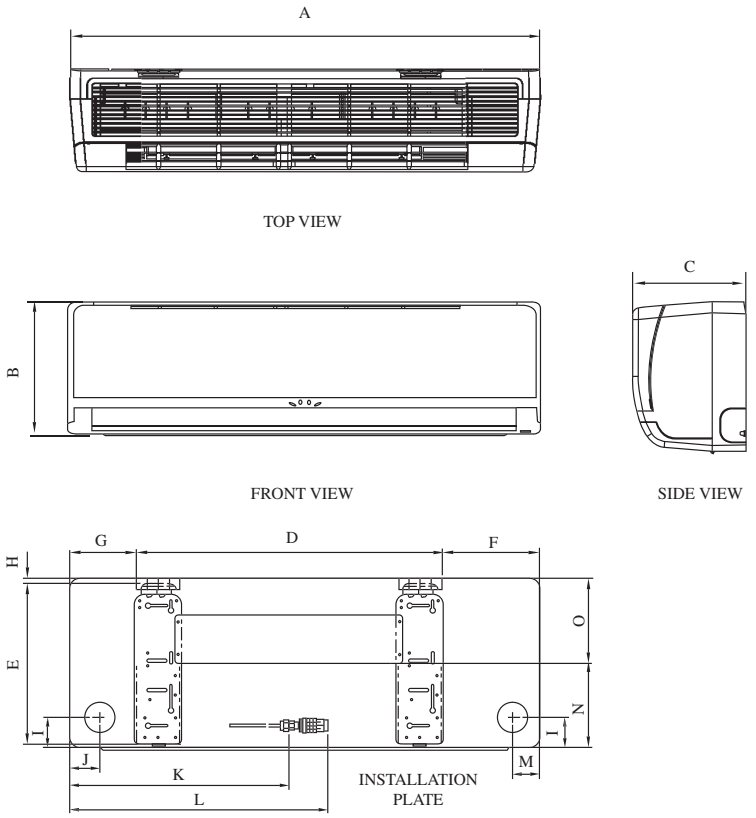
Notes:
1. Ratings shown are gross capacities which do not include a deduction for indoor fan motor heat.
2. shows nominal capacities.
3. Direct interpolation is permissible. Do not extrapolate.
4. Unit is able to operate at ambient from 0 ºC to 46ºC withoutpressure trip.

Model: M5WM030FR - M5LC028CR (3 Phase)
Heating Mode

ID WB°C	Outdoor WB°C													
	-9		-6		-5		6		12		15		18	
	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)	TC(kW)	SC(kW)
15	1.533	1.533	1.925	1.925	2.055	2.055	3.489	3.489	4.271	4.271	4.662	4.662	5.503	5.053
17	1.494	1.494	1.885	1.885	2.016	2.016	3.442	3.442	4.154	4.154	4.531	4.531	4.909	4.909
19	1.454	1.454	1.846	1.846	1.976	1.976	3.396	3.396	4.038	4.038	4.401	4.401	4.765	4.765
21	1.414	1.414	1.806	1.806	1.937	1.937	3.350	3.350	3.921	3.921	4.271	4.271	4.621	4.621
23	1.413	1.413	1.776	1.776	1.898	1.898	3.215	3.215	3.805	3.805	4.141	4.141	4.478	4.478
25	1.411	1.411	1.746	1.746	1.858	1.858	3.081	3.081	3.688	3.688	4.011	4.011	4.334	4.334
27	1.409	1.409	1.717	1.717	1.819	1.819	2.946	2.946	3.572	3.572	3.881	3.881	4.190	4.190
	FROST REGION													

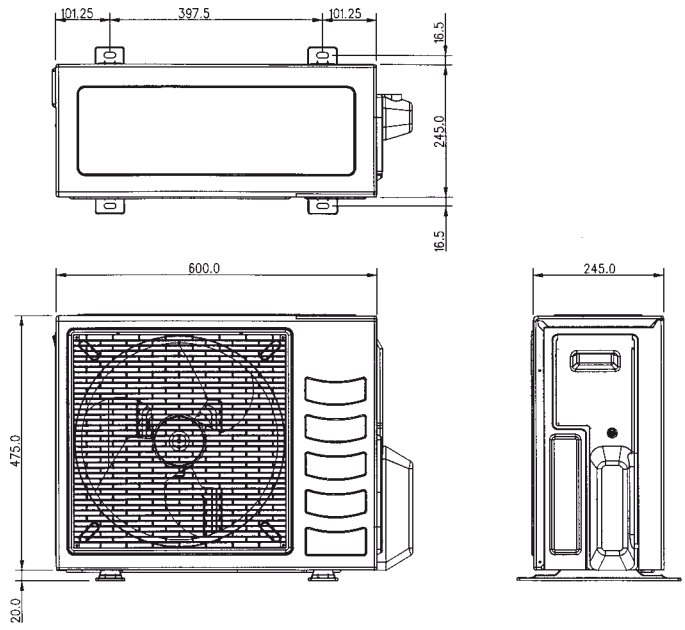
Outline and Dimension

Indoor Unit
Model: MWM07G2/09G2/G2R, M5WM07/09G2/G2R



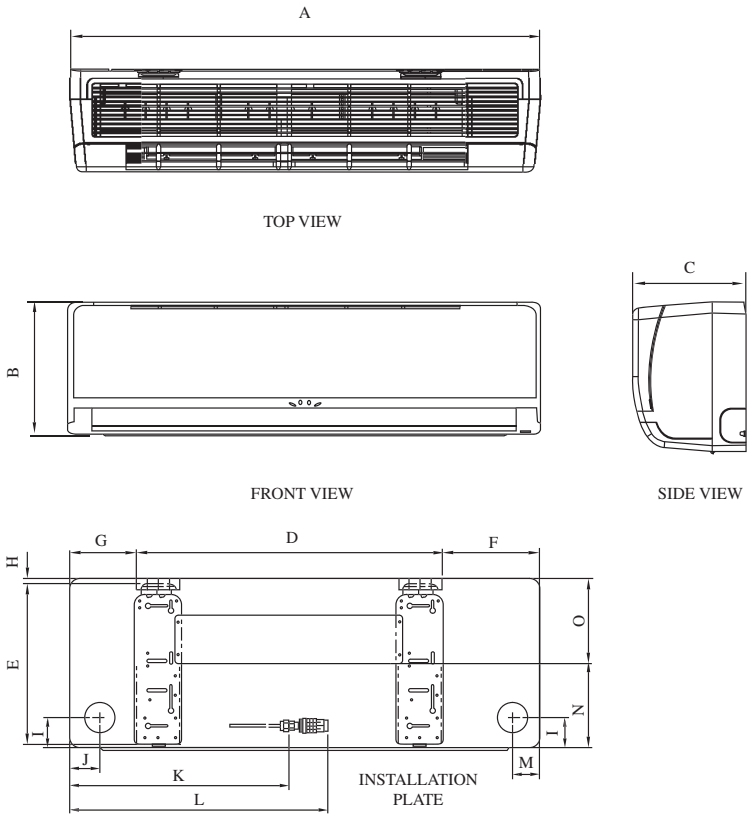
Dimension	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
07/09G2	799 (31.5)	260 (10.2)	198 (7.8)	379 (15.0)	246 (9.7)	185 (7.3)	124 (4.9)	8 (0.3)	56 (2.2)	50 (2.0)	319 (12.6)	379 (15.0)	50 (2.0)	128 (5.1)	132 (5.2)

Outdoor Unit
Model: MLC007C/009C/CR, M5LC007C/CR



Note: Dimension in mm

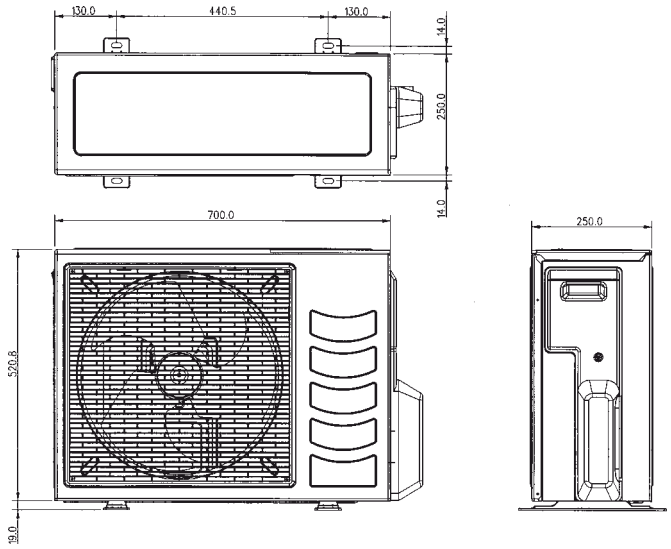
Indoor Unit
Model: MWM10/015G2/G2R, M5WM10/015G2/G2R



All dimensions are in mm / (in)

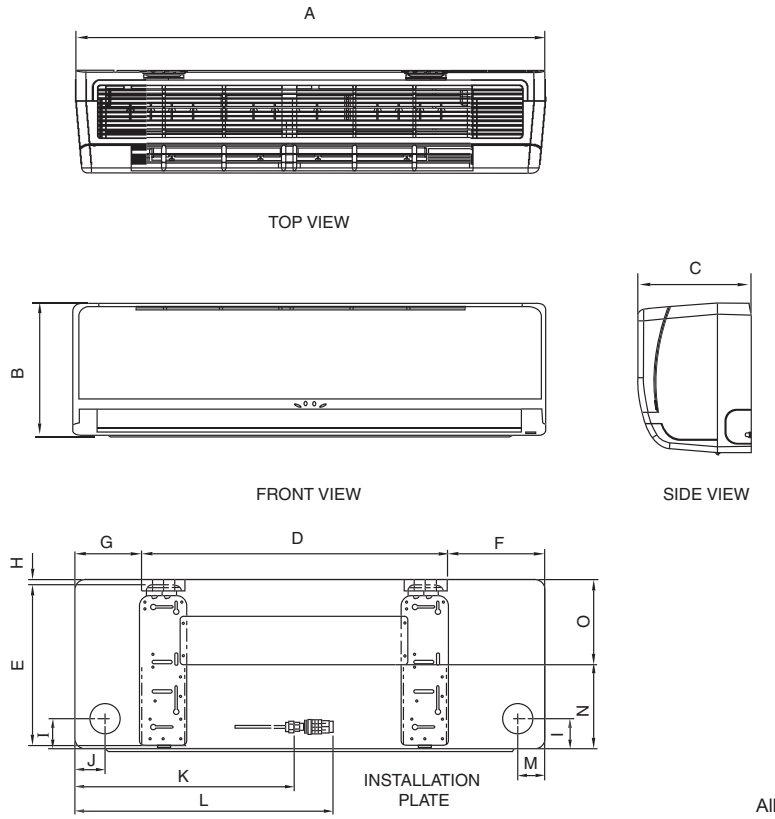
Dimension	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
010/015G2	899 (35.4)	260 (10.2)	198 (7.8)	590 (23.2)	246 (9.7)	185 (7.3)	124 (4.9)	8 (0.3)	56 (2.2)	50 (2.0)	419 (16.5)	495 (19.5)	50 (2.0)	128 (5.1)	132 (5.2)

Outdoor Unit
Model: MLC010/015C/CR, M5LC010/015C/CR



Note: Dimension in mm

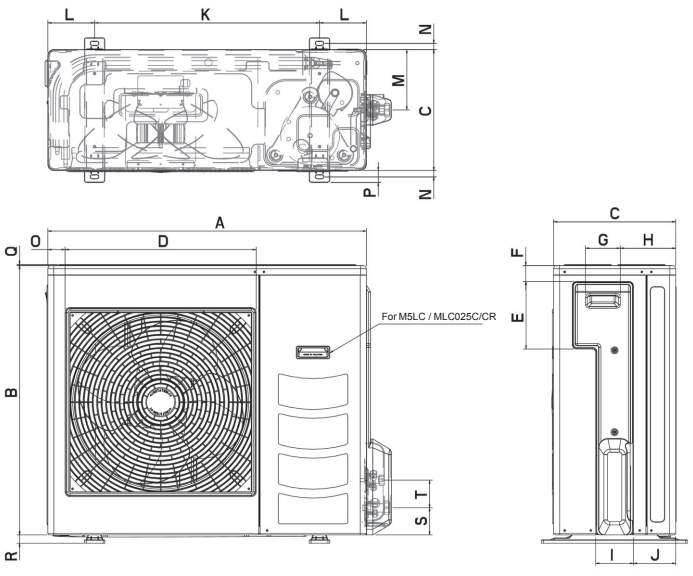
Indoor Unit
Model: MWM20/25G2/G2R, M5WM20/25G2/G2R



All dimensions are in mm / (in)

Dimension	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
020/025G2	1062 (41.8)	304 (12.0)	222 (8.7)	912 (35.9)	294 (11.6)	99 (3.9)	51 (2.0)	8 (0.3)	48 (1.9)	43 (1.7)	354 (13.9)	403 (15.9)	160 (6.3)	138 (5.4)	160 (6.3)

Outdoor Unit
Model: MLC018/020/025C/CR, M5LC020/025C/CR

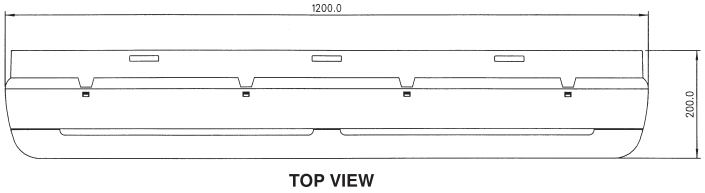


Note : Dimension in mm

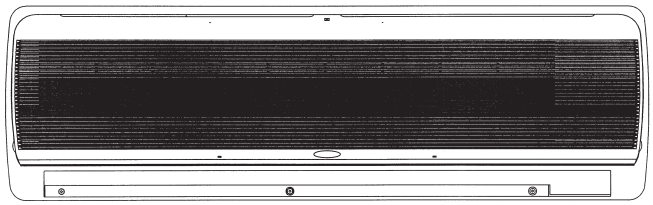
MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
MLC018C/020C/020CR M5LC020C/020CR	855	628	328	508	181	44	93	149	101	113	603	126	164	17	49	32	3	23	73	75
MLC025C/025CR M5LC025C/025CR	855	730	328	513	182	44	93	149	101	113	603	126	164	17	47	32	3	23	73	75

Note: Dimension in mm

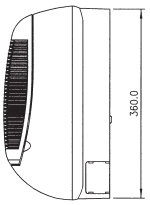
Indoor Unit
Model: MWM030F/030FR, M5WM031F/030FR



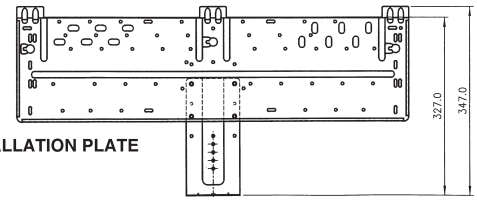
TOP VIEW



FRONT VIEW



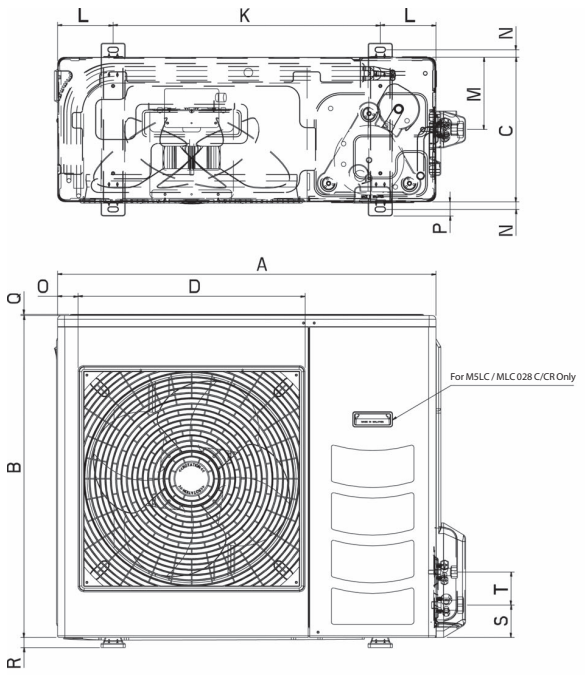
SIDE VIEW

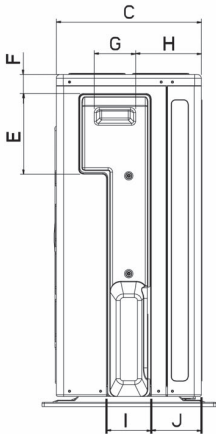


INSTALLATION PLATE

Note: Dimension in mm

Outdoor Unit
Model: M5LC028C/CR



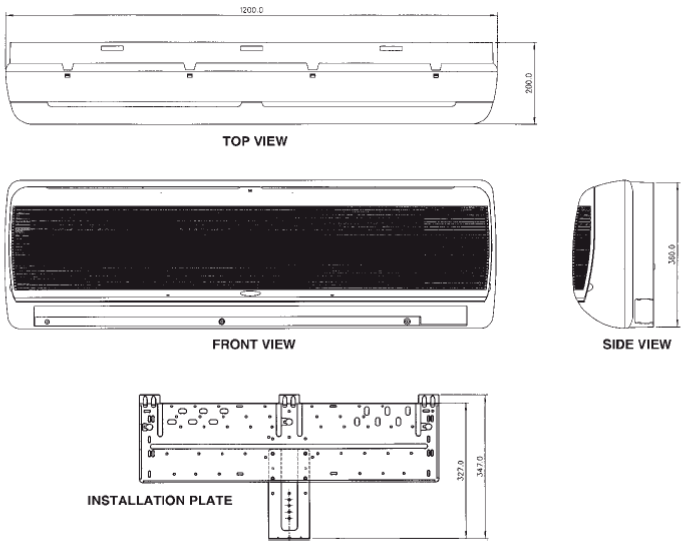


Note : Dimension in mm

MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
MLC028C/028CR M5LC028C/028CR	855	730	328	513	182	44	93	149	101	113	603	126	164	17	47	32	3	23	73	75

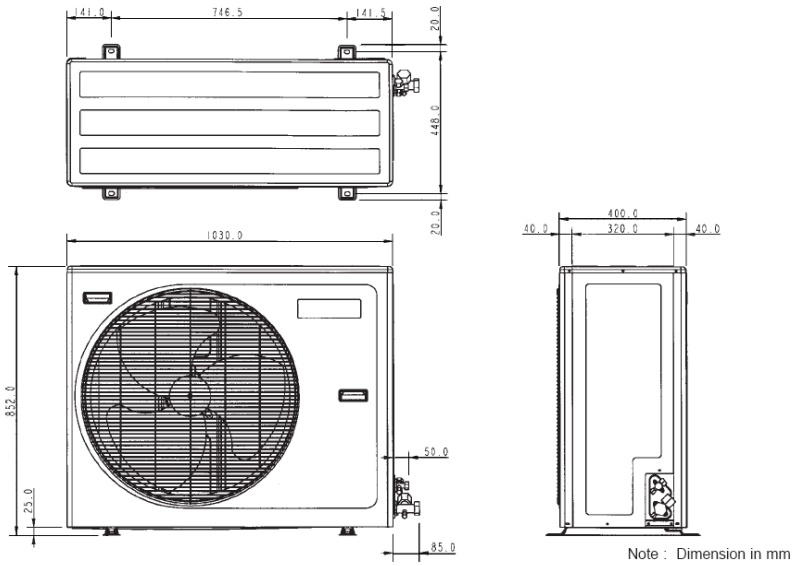
Note: Dimension in mm

Indoor Unit
Model : MWM030F/FR



Note: Dimension in mm

Outdoor Unit
Model : MLC030C/CR



Note: Dimension in mm

Electrical Data

Electrical Data - Cooling Only (R22)

MODEL	INDOOR UNIT		MWM07G2	MWM09G2
	OUTDOOR UNIT		MLC007C	MLC009C
INDOOR MOTOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	23	24
	RATED RUNNING CURRENT	A	0.11	0.11
	MOTOR OUTPUT	W	8	8
	POLES		4	4
OUTDOOR MOTOR	INSULATION GRADE		CLASS B	CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	41	45
	RATED RUNNING CURRENT	A	0.19	0.20
	MOTOR OUTPUT	W	20	20
	POLES		6	6
COMPRESSOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	CAPACITOR	mF	20.0	30.0
	RATED INPUT POWER	W	526	850
	RATED RUNNING CURRENT	A	2.45	3.80
	LOCKED ROTOR AMP.	A	11.3	18

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.

Electrical Data - Heat Pump (R22)

MODEL	INDOOR UNIT		MWM09G2R	MWM10G2R
	OUTDOOR UNIT		MLC009CR	MLC010CR
INDOOR MOTOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	24	26
	RATED RUNNING CURRENT	A	0.11	0.11
	MOTOR OUTPUT	W	8	9
	POLES		4	4
OUTDOOR MOTOR	INSULATION GRADE		CLASS B	CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	40	52
	RATED RUNNING CURRENT	A	0.18	0.23
	MOTOR OUTPUT	W	20	35
	POLES		6	6
COMPRESSOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	CAPACITOR	mF	25.0	30.0
	RATED INPUT POWER (COOLING)	W	846	759
	RATED INPUT POWER (HEATING)	W	686	679
	RATED RUNNING CURRENT (COOLING)	A	3.70	3.40
	RATED RUNNING CURRENT (HEATING)	A	3.10	3.00
	LOCKED ROTOR AMP.	A	18	19

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2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.

Electrical Data - Cooling Only (R22)

MODEL	INDOOR UNIT		MWM10G2	MWM15G2
	OUTDOOR UNIT		MLC010C	MLC015C
INDOOR MOTOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	26	29
	RATED RUNNING CURRENT	A	0.11	0.13
	MOTOR OUTPUT	W	9	13
	POLES		4	4
OUTDOOR MOTOR	INSULATION GRADE		CLASS B	CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	52	59
	RATED RUNNING CURRENT	A	0.23	0.26
	MOTOR OUTPUT	W	35	35
	POLES		6	6
COMPRESSOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	CAPACITOR	mF	30.0	30.0
	RATED INPUT POWER	W	783	1112
	RATED RUNNING CURRENT	A	3.50	5.00
	LOCKED ROTOR AMP.	A	19	21

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.

Electrical Data - Heat Pump (R22)

MODEL	INDOOR UNIT		MWM15G2R	MWM20G2R
	OUTDOOR UNIT		MLC015CR	MLC018CR
INDOOR MOTOR	INSULATION GRADE		CLASS E	CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	29	47
	RATED RUNNING CURRENT	A	0.13	0.22
	MOTOR OUTPUT	W	13	20
	POLES		4	4
OUTDOOR MOTOR	INSULATION GRADE		CLASS B	CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	59	120
	RATED RUNNING CURRENT	A	0.26	0.53
	MOTOR OUTPUT	W	35	64
	POLES		6	6
COMPRESSOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	CAPACITOR	mF	35.0	60.0
	RATED INPUT POWER (COOLING)	W	1012	1653
	RATED INPUT POWER (HEATING)	W	892	1493
	RATED RUNNING CURRENT (COOLING)	A	4.70	7.40
	RATED RUNNING CURRENT (HEATING)	A	4.10	6.70
	LOCKED ROTOR AMP.	A	24	32

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
2) ALL UNITS ARE BEING TESTED AND COMPLY TO ISO 5151.

Electrical Data - Cooling Only (R22)

MODEL	INDOOR UNIT		MWM20G2	MWM20G2
	OUTDOOR UNIT		MLC018C	MLC020C
INDOOR MOTOR	INSULATION GRADE		CLASS B	CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	47	47
	RATED RUNNING CURRENT	A	0.22	0.22
	MOTOR OUTPUT	W	20	20
	POLES		4	4
OUTDOOR MOTOR	INSULATION GRADE		CLASS B	CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	120	120
	RATED RUNNING CURRENT	A	0.53	0.53
	MOTOR OUTPUT	W	64	64
	POLES		6	6
COMPRESSOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	CAPACITOR	mF	60.0	60.0
	RATED INPUT POWER	W	1643	1640
	RATED RUNNING CURRENT	A	7.37	7.20
	LOCKED ROTOR AMP.	A	32	32

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Electrical Data - Heat Pump (R22)

MODEL	INDOOR UNIT		MWM20G2R	MWM25G2R
	OUTDOOR UNIT		MLC020CR	MLC025CR
INDOOR MOTOR	INSULATION GRADE		CLASS B	CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	47	66
	RATED RUNNING CURRENT	A	0.22	0.29
	MOTOR OUTPUT	W	20	25
	POLES		4	4
OUTDOOR MOTOR	INSULATION GRADE		CLASS B	CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	120	124
	RATED RUNNING CURRENT	A	0.53	0.54
	MOTOR OUTPUT	W	75	75
	POLES		6	6
COMPRESSOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	CAPACITOR	mF	60.0	50.0
	RATED INPUT POWER (COOLING)	W	1640	2340
	RATED INPUT POWER (HEATING)	W	1590	2260
	RATED RUNNING CURRENT (COOLING)	A	7.20	10.49
	RATED RUNNING CURRENT (HEATING)	A	7.00	10.24
	LOCKED ROTOR AMP.	A	32	54

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Electrical Data - Cooling Only (R22)

MODEL	INDOOR UNIT		MWM25G2	MWM030F
	OUTDOOR UNIT		MLC025C	MLC028C
INDOOR MOTOR	INSULATION GRADE		CLASS B	CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	66	71
	RATED RUNNING CURRENT	A	0.29	0.30
	MOTOR OUTPUT	W	25	40
	POLES		4	4
OUTDOOR MOTOR	INSULATION GRADE		CLASS B	CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	124	142
	RATED RUNNING CURRENT	A	0.54	0.62
	MOTOR OUTPUT	W	75	75
	POLES		6	6
COMPRESSOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	CAPACITOR	mF	50.0	50.0
	RATED INPUT POWER	W	2340	2519
	RATED RUNNING CURRENT	A	10.50	12.20
	LOCKED ROTOR AMP.	A	54	66

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Electrical Data - Heat Pump (R22)

MODEL	INDOOR UNIT		MWM030F	MWM030FR
	OUTDOOR UNIT		MLC030C	MLC030CR
INDOOR MOTOR	INSULATION GRADE		CLASS B	CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	71	71
	RATED RUNNING CURRENT	A	0.30	0.30
	MOTOR OUTPUT	W	40	75
	POLES		4	4
OUTDOOR MOTOR	INSULATION GRADE		CLASS B	CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	220	220
	RATED RUNNING CURRENT	A	1.02	1.02
	MOTOR OUTPUT	W	145	145
	POLES		8	8
COMPRESSOR	INSULATION GRADE		-	-
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	CAPACITOR	mF	50.0	50.0
	RATED INPUT POWER	W	2377	2377
	RATED RUNNING CURRENT	A	11.50	11.50
	LOCKED ROTOR AMP.	A	82	82

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Electrical Data - Cooling Only (R410A)

MODEL	INDOOR UNIT		M5WM07G2	M5WM09G2
	OUTDOOR UNIT		M5LC007C	M5LC010C
INDOOR MOTOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	24	24
	RATED RUNNING CURRENT	A	0.11	0.11
	MOTOR OUTPUT	W	8	8
	POLES		4	4
OUTDOOR MOTOR	INSULATION GRADE		CLASS B	CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	40	52
	RATED RUNNING CURRENT	A	0.18	0.23
	MOTOR OUTPUT	W	20	35
	POLES		6	6
COMPRESSOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	CAPACITOR	mF	15.0	25.0
	RATED INPUT POWER	W	556	789
	RATED RUNNING CURRENT	A	2.60	3.60
	LOCKED ROTOR AMP.	A	12	19

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Electrical Data - Heat Pump (R410A)

MODEL	INDOOR UNIT		M5WM07G2R	M5WM09G2R
	OUTDOOR UNIT		M5LC007CR	M5LC010CR
INDOOR MOTOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	24	24
	RATED RUNNING CURRENT	A	0.11	0.11
	MOTOR OUTPUT	W	8	8
	POLES		4	4
OUTDOOR MOTOR	INSULATION GRADE		CLASS B	CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	40	52
	RATED RUNNING CURRENT	A	0.18	0.23
	MOTOR OUTPUT	W	20	20
	POLES		6	6
COMPRESSOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	CAPACITOR	mF	15.0	25.0
	RATED INPUT POWER (COOLING)	W	616	784
	RATED INPUT POWER (HEATING)	W	486	669
	RATED RUNNING CURRENT (COOLING)	A	2.80	3.60
	RATED RUNNING CURRENT (HEATING)	A	2.40	3.10
	LOCKED ROTOR AMP.	A	12	19

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Electrical Data - Cooling Only (R410A)

MODEL	INDOOR UNIT		M5WM10G2	M5WM15G2
	OUTDOOR UNIT		M5LC010C	M5LC015C
INDOOR MOTOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	26	29
	RATED RUNNING CURRENT	A	0.11	0.13
	MOTOR OUTPUT	W	9	13
	POLES		4	4
OUTDOOR MOTOR	INSULATION GRADE		CLASS B	CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	52	59
	RATED RUNNING CURRENT	A	0.23	0.26
	MOTOR OUTPUT	W	35	35
	POLES		6	6
COMPRESSOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	CAPACITOR	mF	25.0	30.0
	RATED INPUT POWER	W	789	1142
	RATED RUNNING CURRENT	A	3.60	5.10
	LOCKED ROTOR AMP.	A	19	24

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Electrical Data - Heat Pump (R410A)

MODEL	INDOOR UNIT		M5WM10G2R	M5WM15G2R
	OUTDOOR UNIT		M5LC010CR	M5LC015CR
INDOOR MOTOR	INSULATION GRADE		CLASS E	CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	26	29
	RATED RUNNING CURRENT	A	0.11	0.13
	MOTOR OUTPUT	W	9	13
	POLES		4	4
OUTDOOR MOTOR	INSULATION GRADE		CLASS B	CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	52	59
	RATED RUNNING CURRENT	A	0.23	0.26
	MOTOR OUTPUT	W	35	35
	POLES		6	6
COMPRESSOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	CAPACITOR	mF	25.0	35.0
	RATED INPUT POWER (COOLING)	W	789	1142
	RATED INPUT POWER (HEATING)	W	669	992
	RATED RUNNING CURRENT (COOLING)	A	4.00	5.23
	RATED RUNNING CURRENT (HEATING)	A	3.00	4.59
	LOCKED ROTOR AMP.	A	19	24

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Electrical Data - Cooling Only (R410A)

MODEL	INDOOR UNIT		M5WM20G2	M5WM25G2
	OUTDOOR UNIT		M5LC020C	M5LC025C
INDOOR MOTOR	INSULATION GRADE		CLASS B	CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	47	66
	RATED RUNNING CURRENT	A	0.22	0.29
	MOTOR OUTPUT	W	20	25
	POLES		4	4
OUTDOOR MOTOR	INSULATION GRADE		CLASS B	CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	120	132
	RATED RUNNING CURRENT	A	0.53	0.58
	MOTOR OUTPUT	W	64	75
	POLES		6	6
COMPRESSOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	CAPACITOR	mF	45.0	45.0
	RATED INPUT POWER	W	1485	1717
	RATED RUNNING CURRENT	A	6.50	7.50
	LOCKED ROTOR AMP.	A	27	32

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Electrical Data - Heat Pump (R410A)

MODEL	INDOOR UNIT		M5WM20G2R	M5WM25G2R
	OUTDOOR UNIT		M5LC020CR	M5LC025CR
INDOOR MOTOR	INSULATION GRADE		CLASS B	CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	47	66
	RATED RUNNING CURRENT	A	0.22	0.29
	MOTOR OUTPUT	W	20	25
	POLES		4	4
OUTDOOR MOTOR	INSULATION GRADE		CLASS B	CLASS B
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	RATED INPUT POWER	W	120	132
	RATED RUNNING CURRENT	A	0.53	0.58
	MOTOR OUTPUT	W	64	75
	POLES		6	6
COMPRESSOR	INSULATION GRADE		CLASS E	CLASS E
	POWER SOURCE	V/Ph/Hz	220 - 240 / 1 / 50	220 - 240 / 1 / 50
	CAPACITOR	mF	45.0	50.0
	RATED INPUT POWER (COOLING)	W	1463	1662
	RATED INPUT POWER (HEATING)	W	1379	1672
	RATED RUNNING CURRENT (COOLING)	A	6.40	7.50
	RATED RUNNING CURRENT (HEATING)	A	6.10	7.50
	LOCKED ROTOR AMP.	A	27	26

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Electrical Data - Cooling Only (R410A)

MODEL	**INDOOR UNIT**		**M5WM031F**	
	OUTDOOR UNIT		**M5LC028C**	
INDOOR MOTOR	**INSULATION GRADE**		CLASS B	
	POWER SOURCE	**V/Ph/Hz**	220 - 240 / 1 / 50	
	RATED INPUT POWER	**W**	71	
	RATED RUNNING CURRENT	**A**	0.30	
	MOTOR OUTPUT	**W**	IP24	
	POLES		4	
OUTDOOR MOTOR	**INSULATION GRADE**		CLASS B	
	POWER SOURCE	**V/Ph/Hz**	220 - 240 / 1 / 50	
	RATED INPUT POWER	**W**	142	
	RATED RUNNING CURRENT	**A**	0.62	
	MOTOR OUTPUT	**W**	75	
	POLES		6	
COMPRESSOR	**INSULATION GRADE**		CLASS E	
	POWER SOURCE	**V/Ph/Hz**	220 - 240 / 1 / 50	
	CAPACITOR	**mF**	45.0	
	RATED INPUT POWER	**W**	2360	
	RATED RUNNING CURRENT	**A**	11.27	
	LOCKED ROTOR AMP.	**A**	63	

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Electrical Data - Heat Pump (R410A)

MODEL	**INDOOR UNIT**		**M5WM030FR**	
	OUTDOOR UNIT		**M5LC028CR**	
INDOOR MOTOR	**INSULATION GRADE**		CLASS B	
	POWER SOURCE	**V/Ph/Hz**	220 - 240 / 1 / 50	
	RATED INPUT POWER	**W**	71	
	RATED RUNNING CURRENT	**A**	0.30	
	MOTOR OUTPUT	**W**	IP24	
	POLES		4	
OUTDOOR MOTOR	**INSULATION GRADE**		CLASS B	
	POWER SOURCE	**V/Ph/Hz**	220 - 240 / 1 / 50	
	RATED INPUT POWER	**W**	142	
	RATED RUNNING CURRENT	**A**	0.62	
	MOTOR OUTPUT	**W**	75	
	POLES		6	
COMPRESSOR	**INSULATION GRADE**		CLASS E	
	POWER SOURCE	**V/Ph/Hz**	220 - 240 / 1 / 50	
	CAPACITOR	**mF**	45.0	
	RATED INPUT POWER (COOLING)	**W**	2360	
	RATED INPUT POWER (HEATING)	**W**	2242	
	RATED RUNNING CURRENT (COOLING)	**A**	11.27	
	RATED RUNNING CURRENT (HEATING)	**A**	10.70	
	LOCKED ROTOR AMP.	**A**	63	

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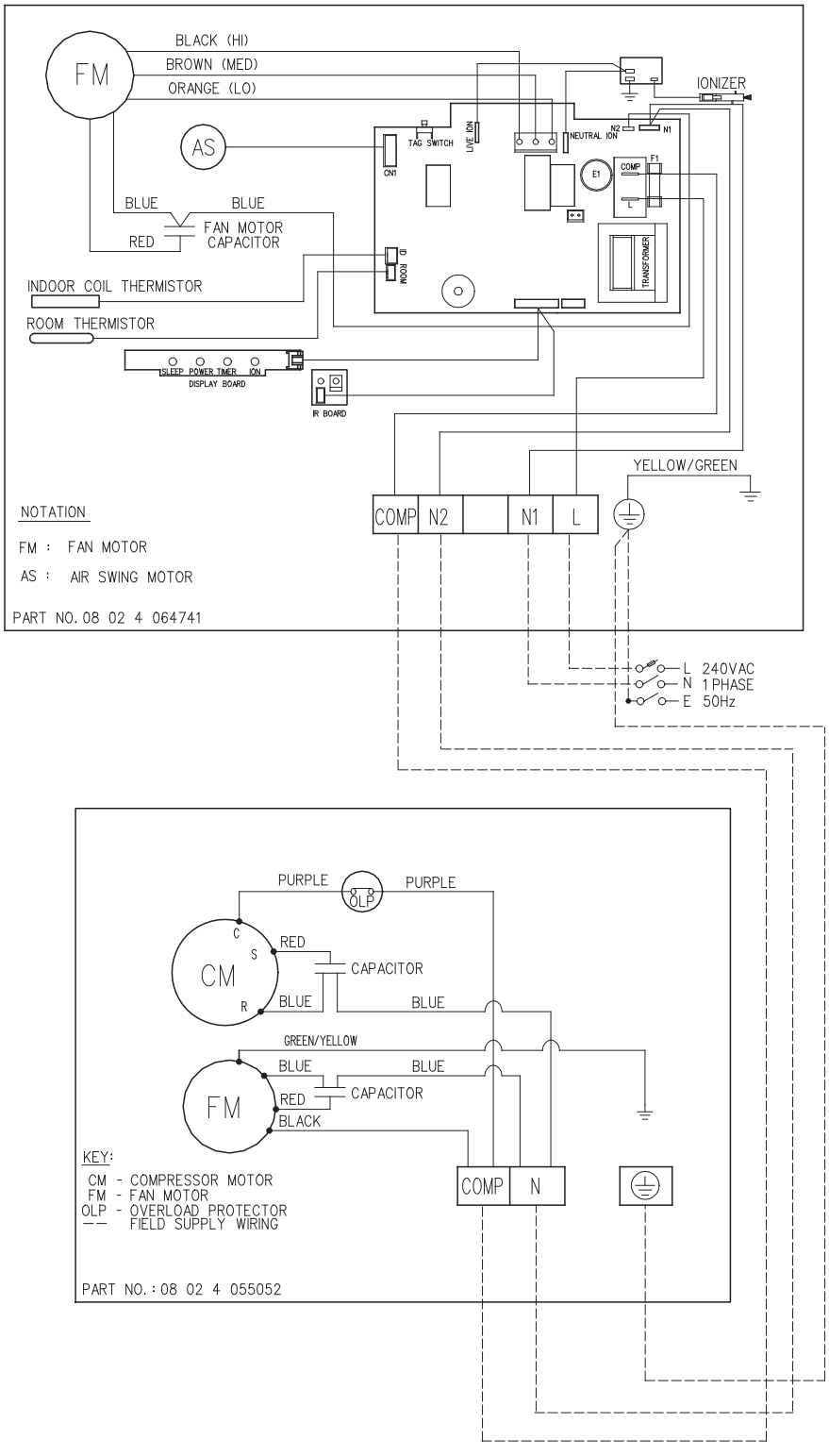
Wiring Diagram

Cooling Only

Indoor Unit
Model: MWM07/09/10G2
M5WM07/09/10/15G2

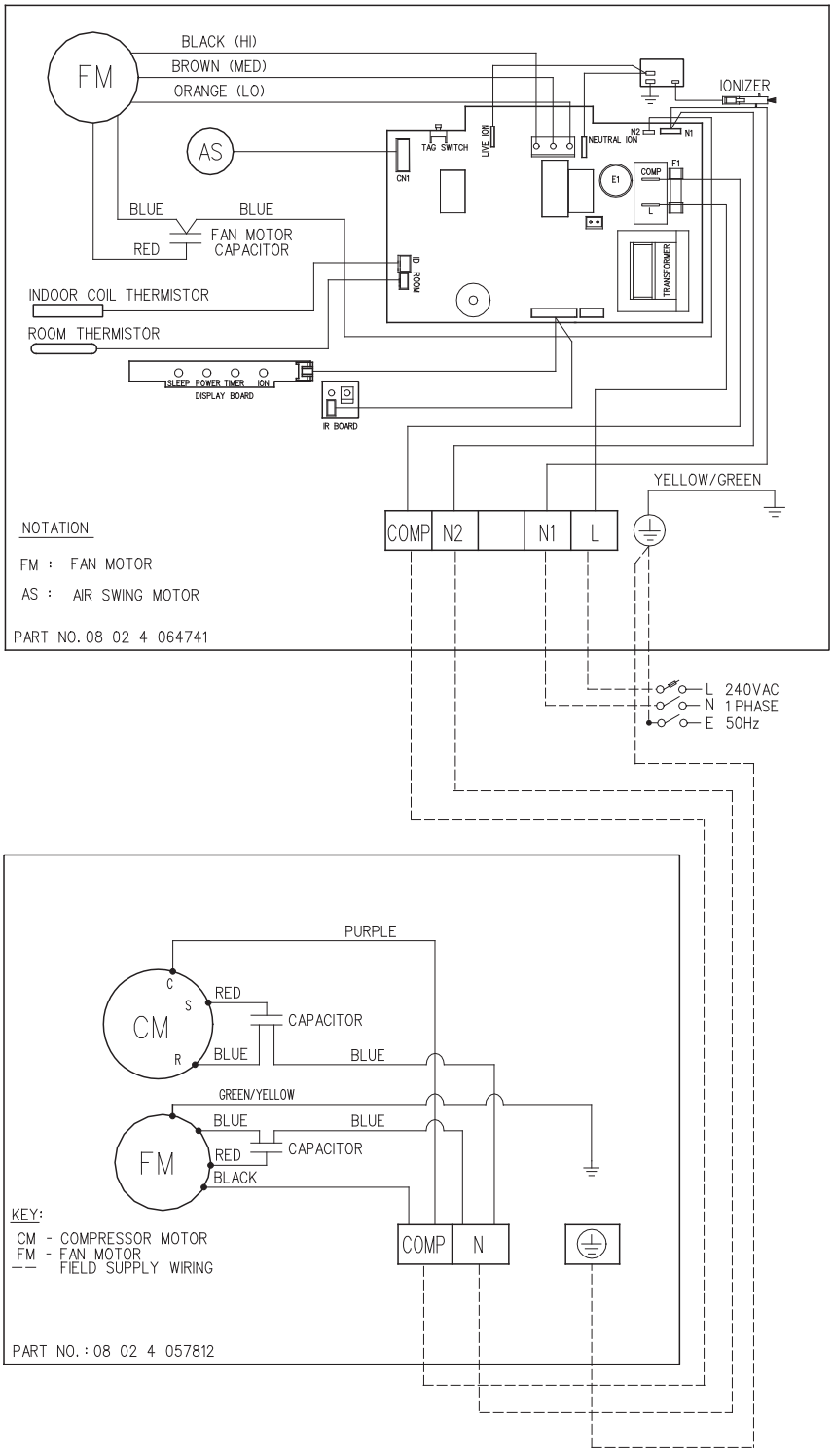
Outdoor Unit
Model: MLC007/009/010C
M5LC007/010/015C



Cooling Only

Indoor Unit
Model: MWM15G2

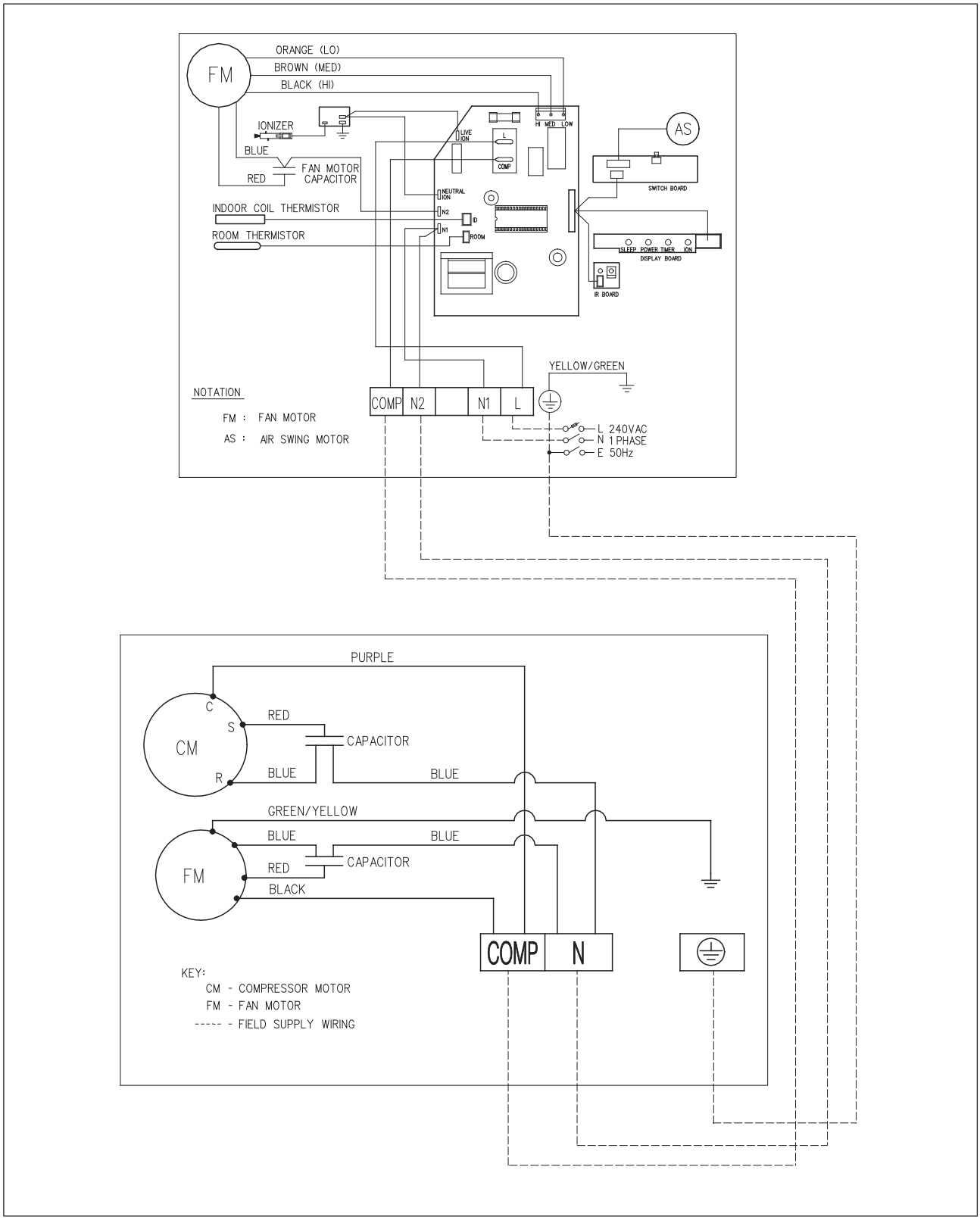
Outdoor Unit
Model: MLC015C



Cooling Only

Indoor Unit
Model: MWM20/25G2
M5WM20/25G2

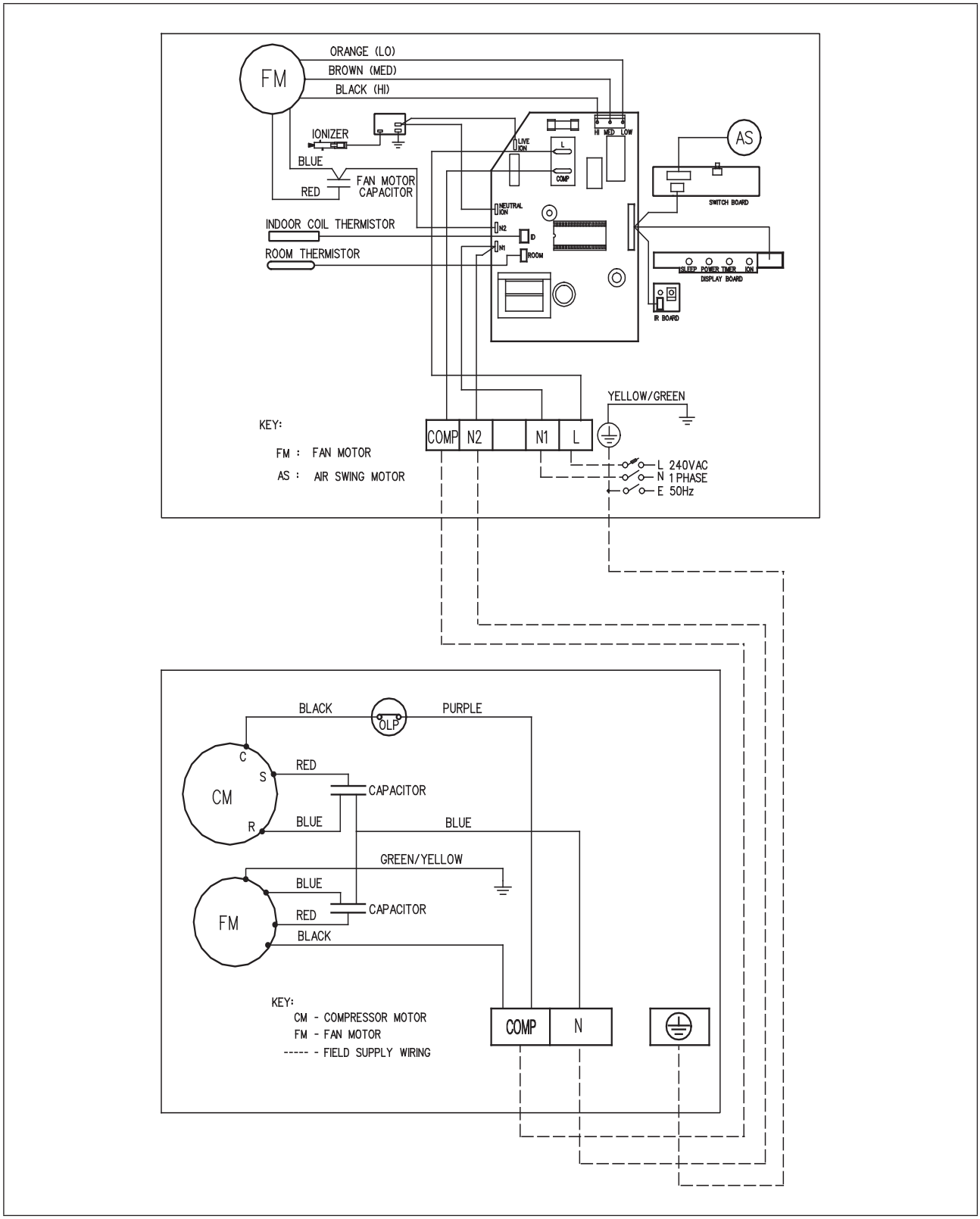
Outdoor Unit
Model: MLC020/025C
M5LC020/025C



Cooling Only

Indoor Unit
Model: MWM20G2

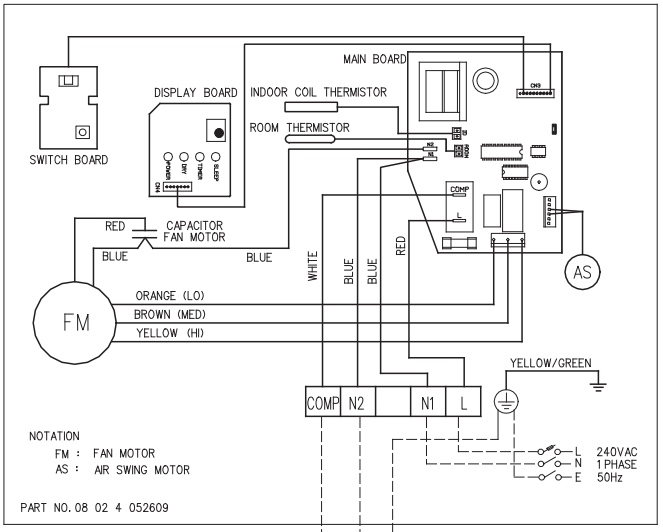
Outdoor Unit
Model: MLC018C

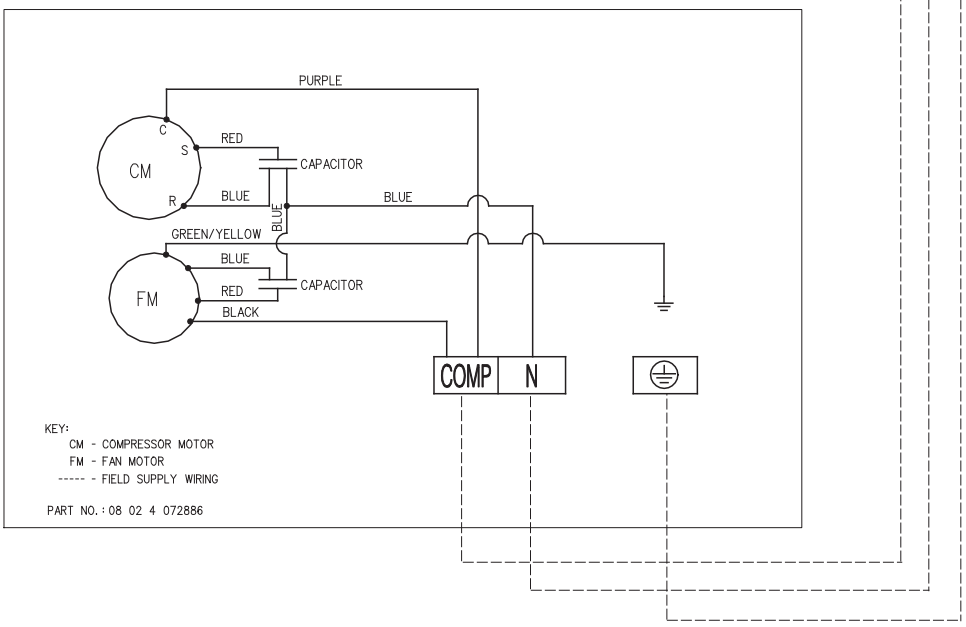


Cooling Only

Indoor Unit
Model: MWM030F
M5WM031F

Outdoor Unit
Model: MLC028C
M5LC028C

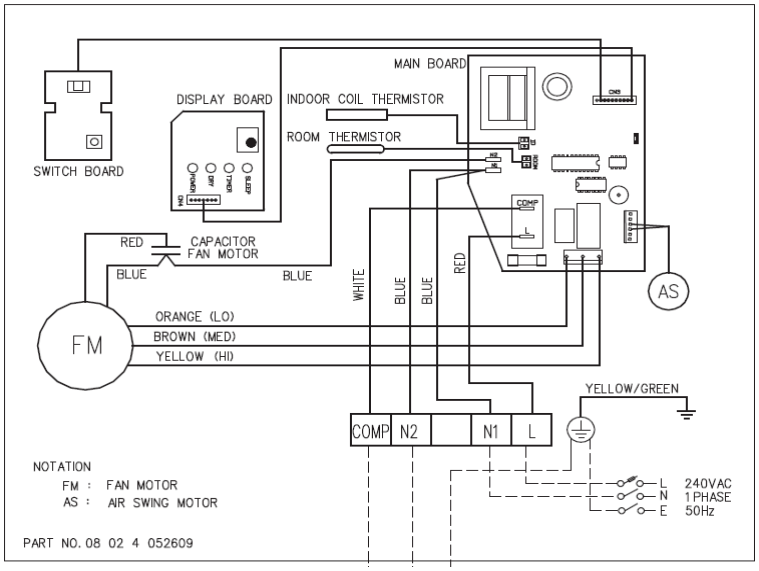


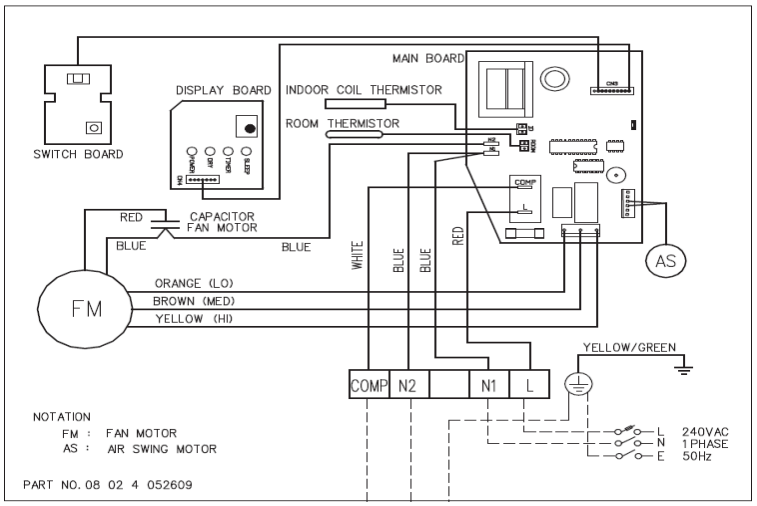


Cooling Only

Indoor Unit
Model: MWM030F

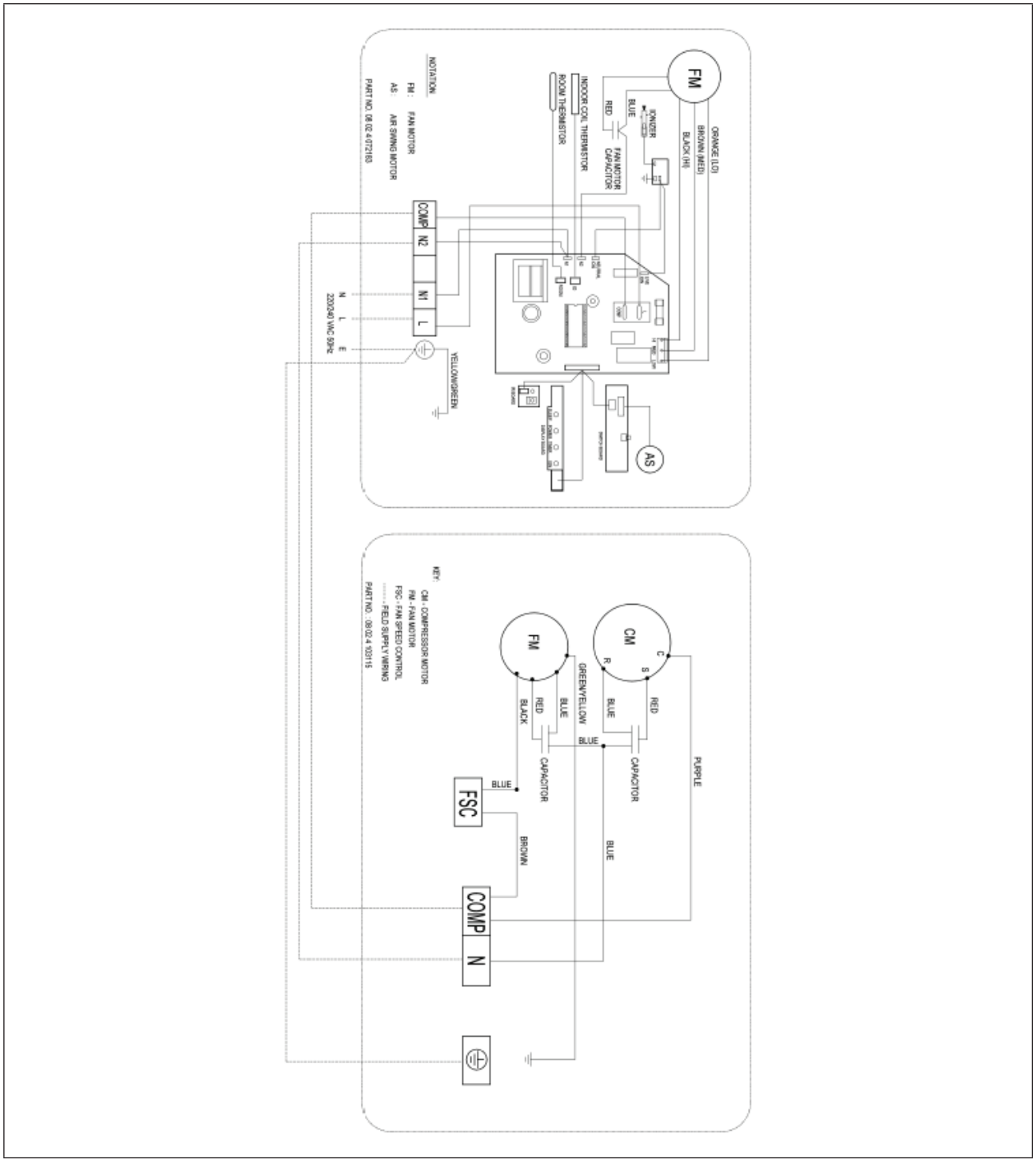
Outdoor Unit
Model: MLC030C





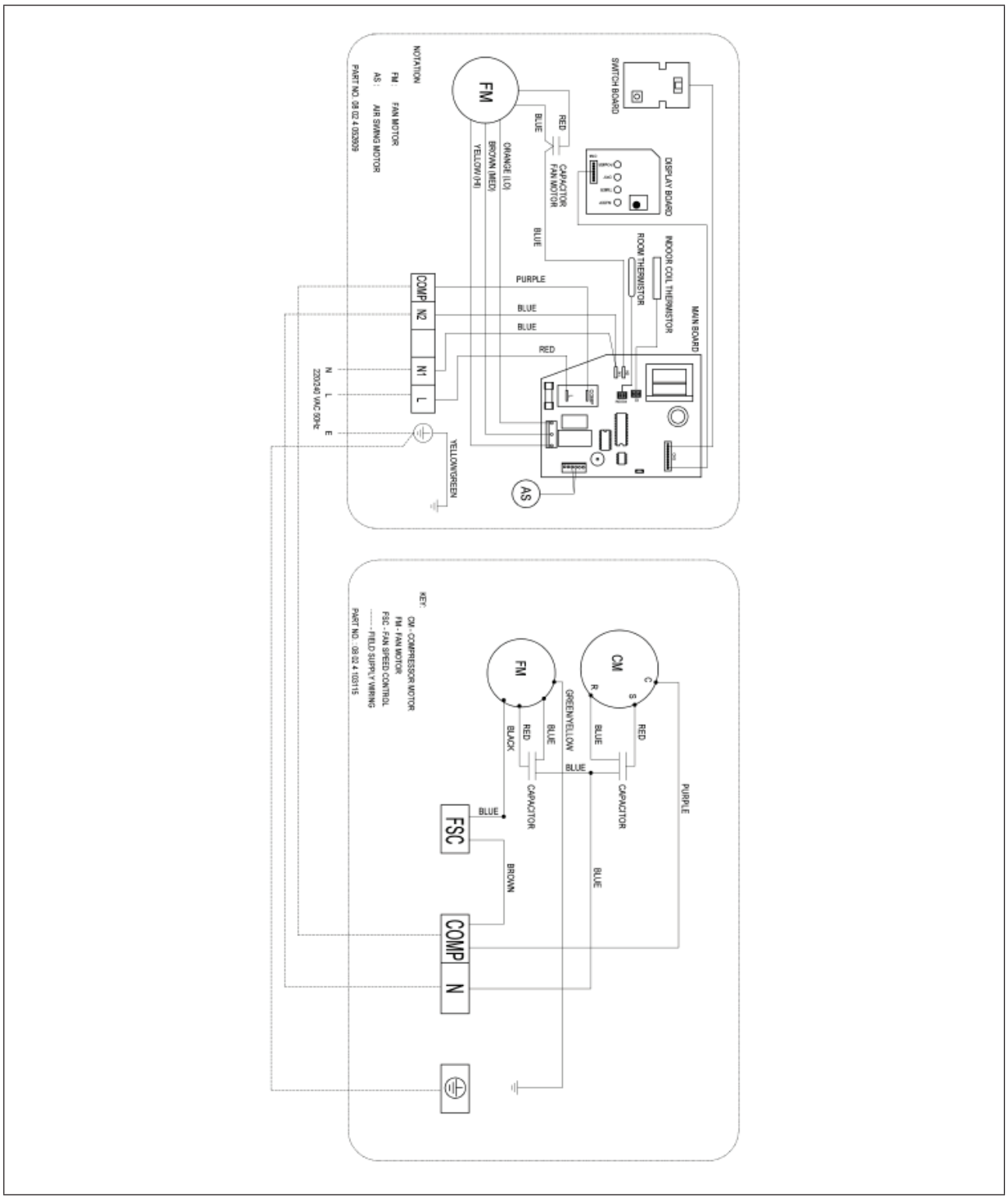
Cooling Only

Indoor Unit
MODEL : M5WM20/25G2 - M5LC020/025C (With Low Ambient Kit)



Cooling Only

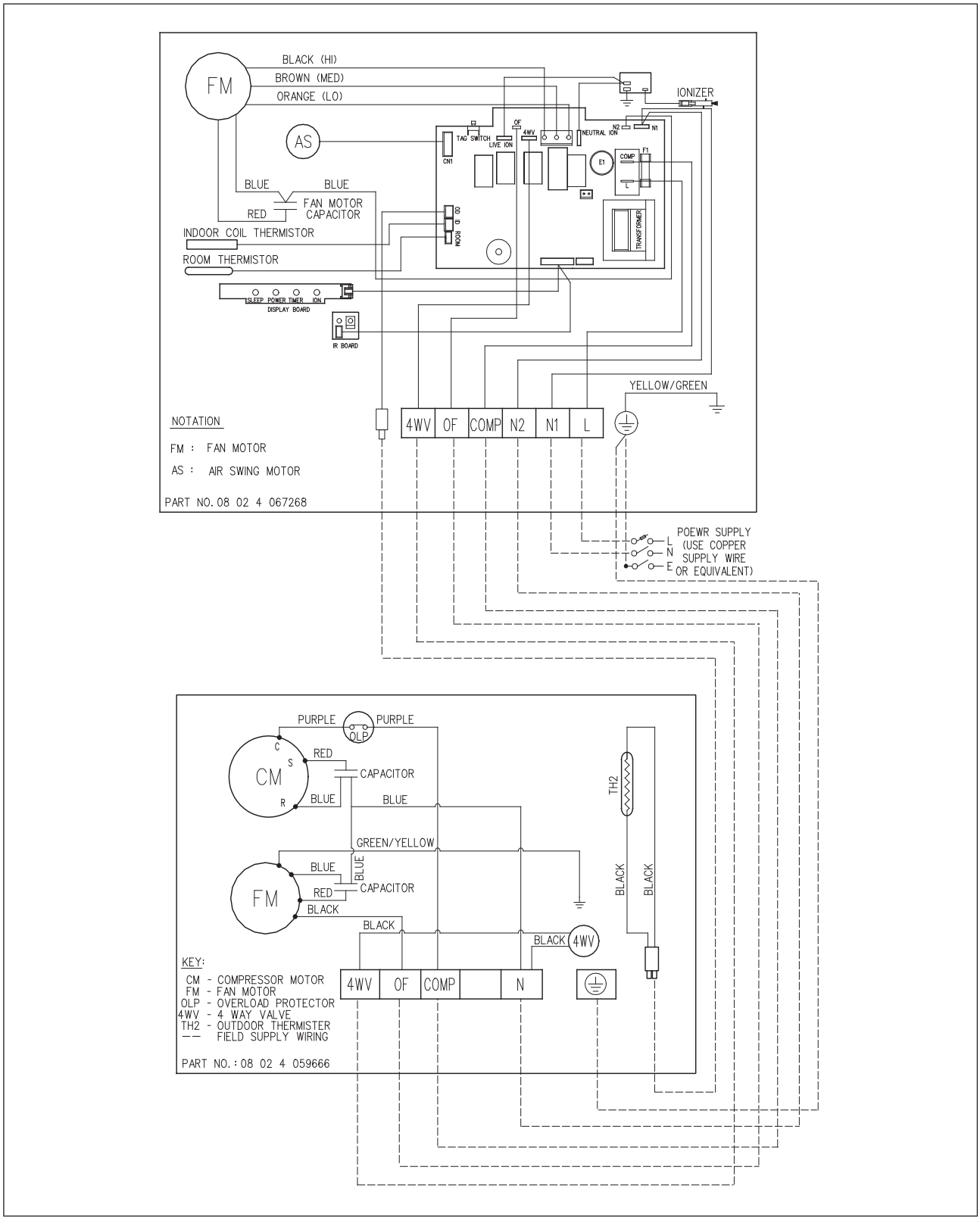
Indoor Unit
MODEL : M5WM030F - M5LC028C (With Low Ambient Kit)



Heat Pump

Indoor Unit
Model: MWM09/10G2R
M5WM07/10/15G2R

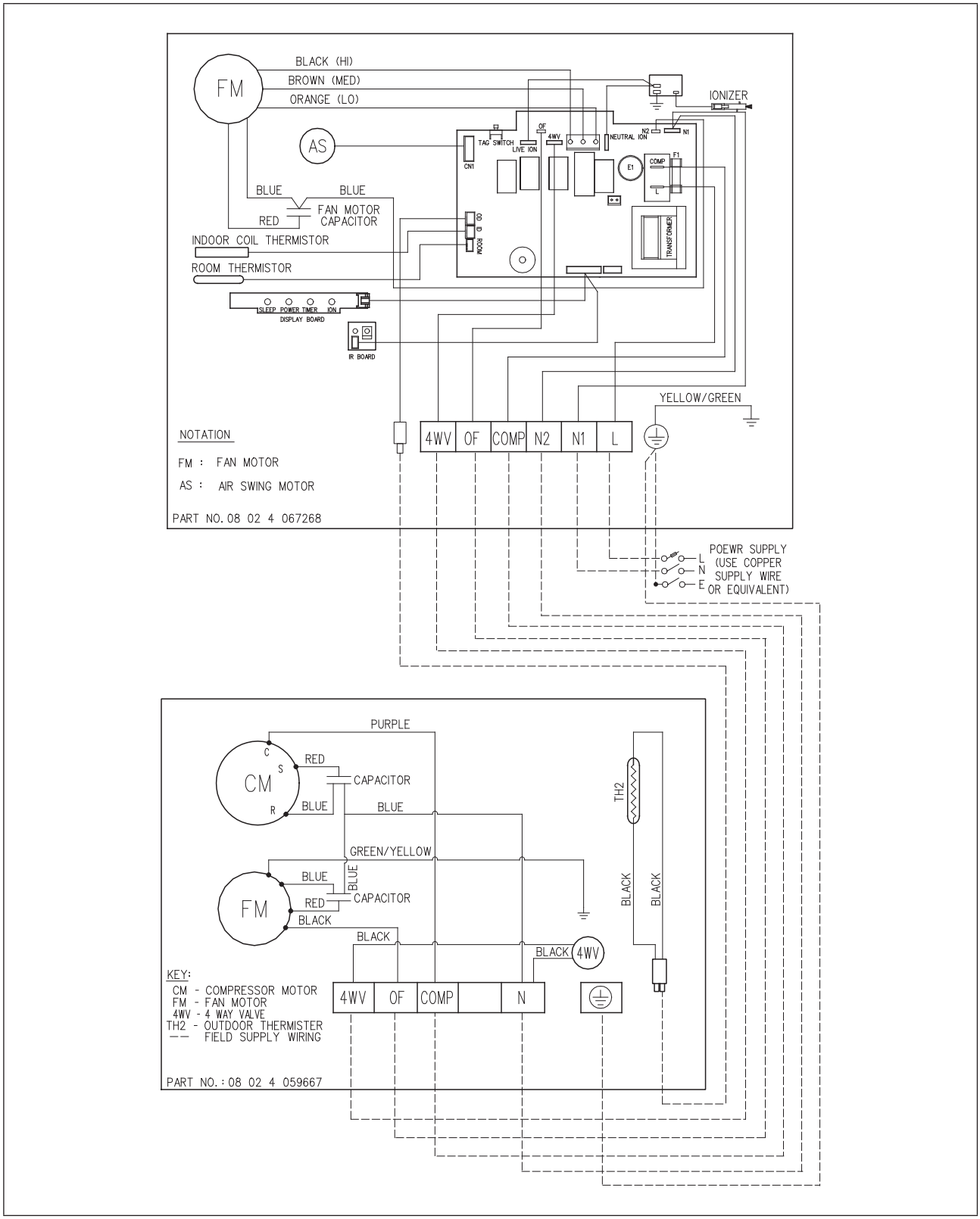
Outdoor Unit
Model: MLC009/010CR
M5LC007/010/015CR



Heat Pump

Indoor Unit
Model: MWM15G2R

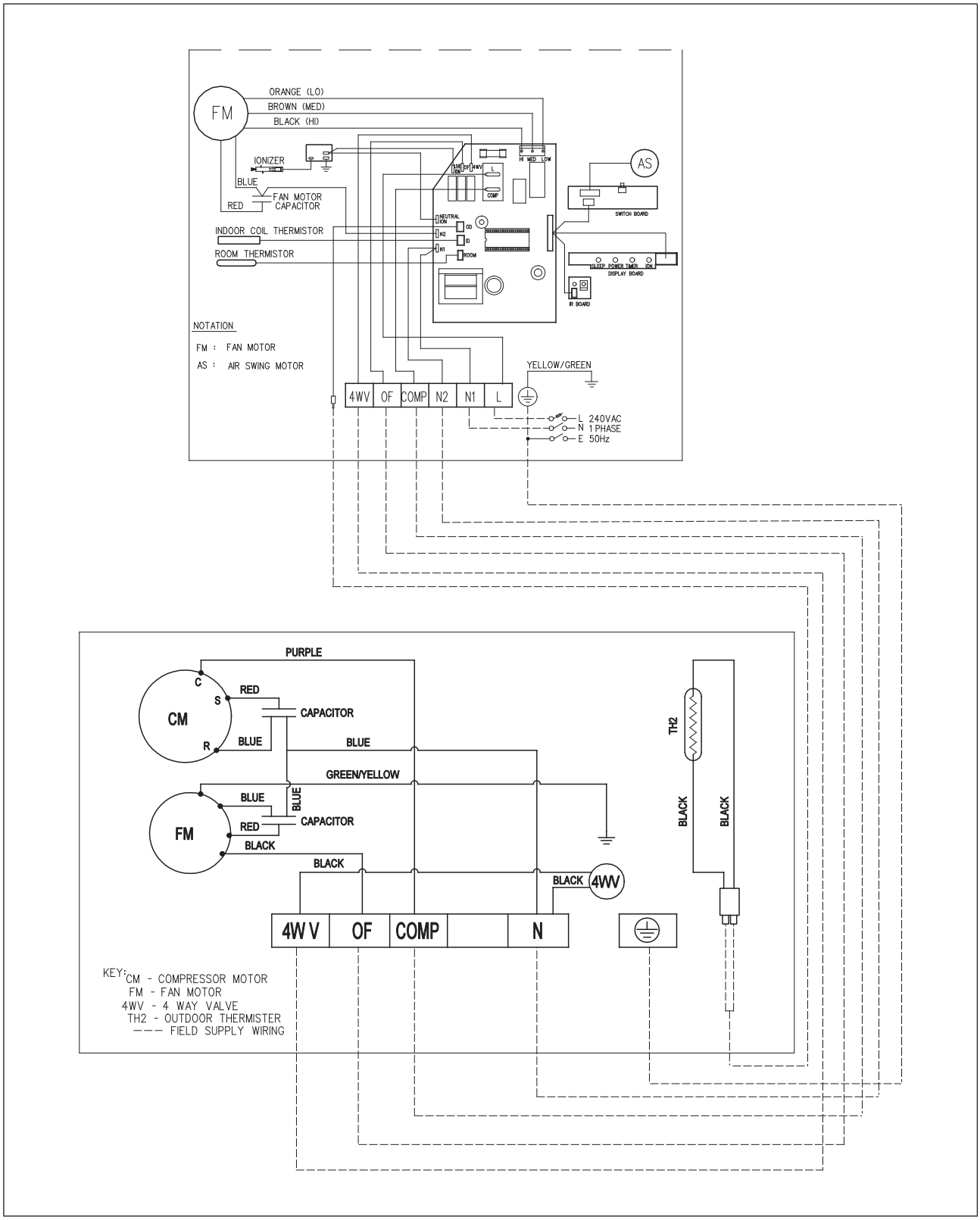
Outdoor Unit
Model: MLC015CR



Heat Pump

Indoor Unit
Model: MWM20/25G2R
M5WM20/25G2R

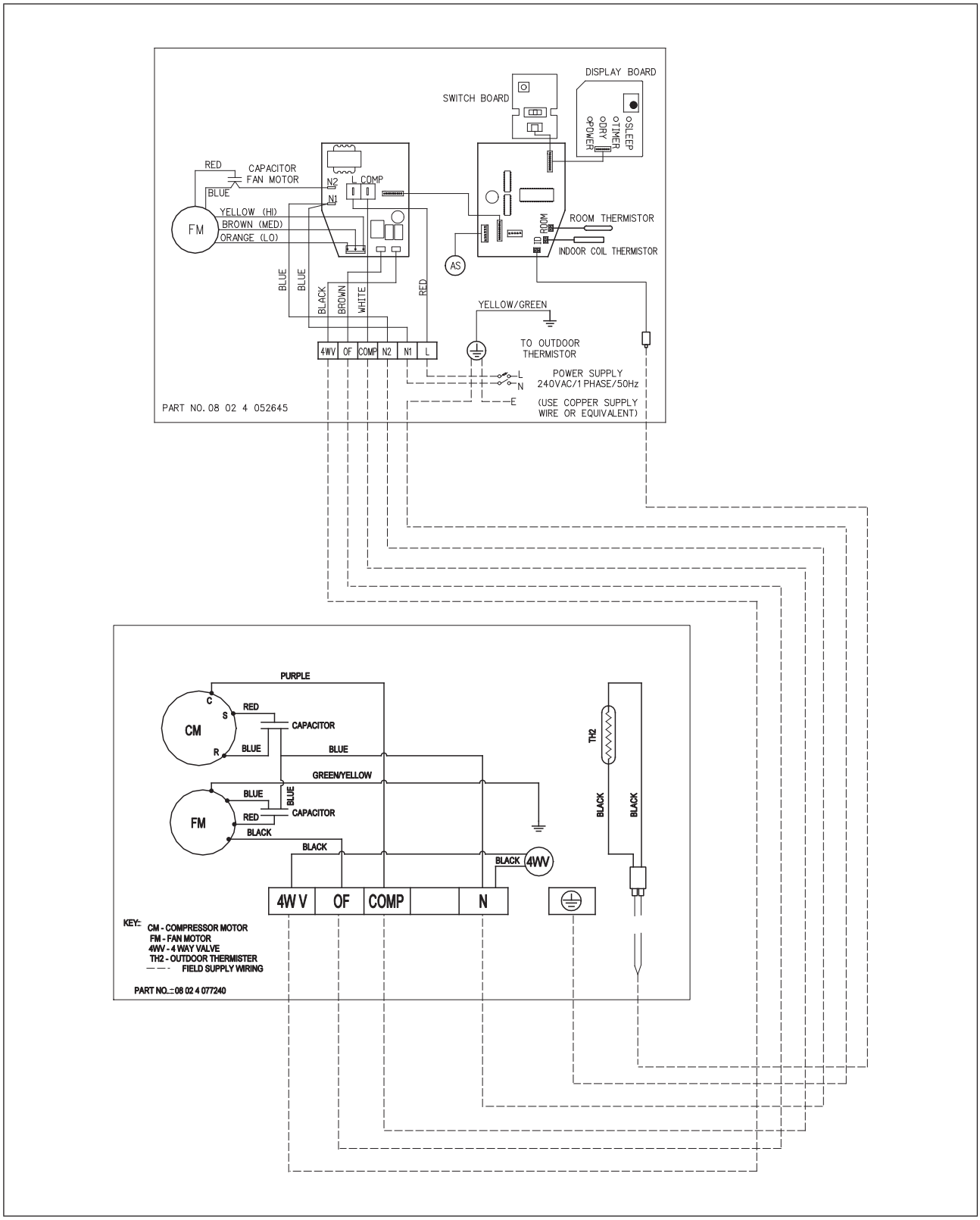
Outdoor Unit
Model: MLC020/025CR
M5LC020/025CR



Heat Pump

Indoor Unit
Model: MWM030FR
M5WM030FR

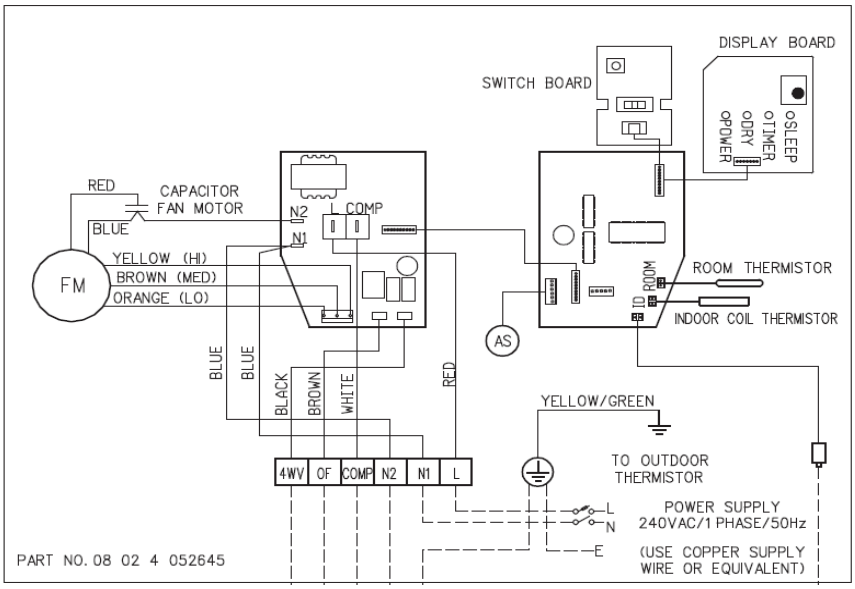
Outdoor Unit
Model: MLC028CR
M5LC028CR

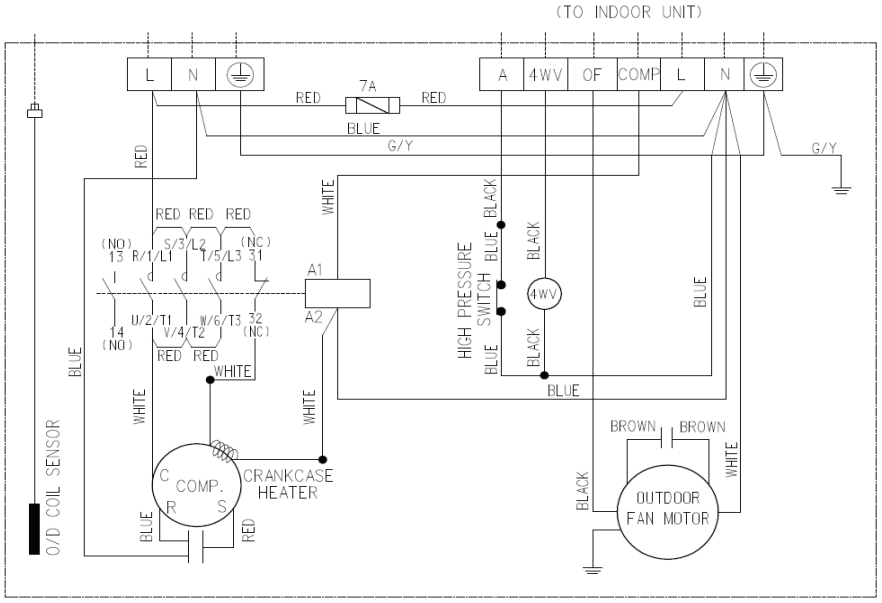


Heat Pump

Indoor Unit
Model: MWM030FR

Outdoor Unit
Model: MLC030CR





Service and Maintenance

Indoor Models

Warning

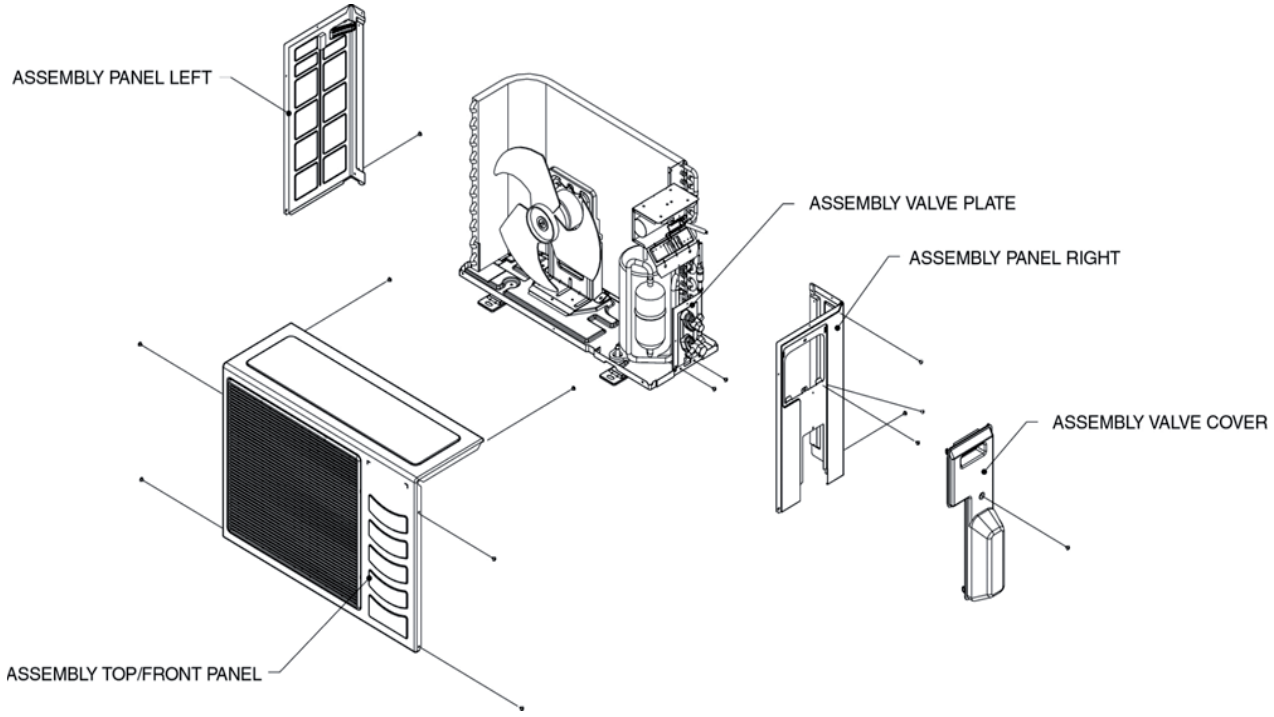
- The unit is designed to give a long life operation with minimum maintenance required. However, it should be regularly checked and the following items should be given due attention.

Components	Maintenance Procedures	Period
Air Filter (Indoor Unit)	1. Remove any dust adhering to the filter by using a vacuum cleaner or wash in lukewarm water (below 40˚C/104˚F) with a neutral cleaning detergent. 2. Rinse the filter well and dry before placing it back onto the unit. 3. Do not use gasoline, volatile substances or chemicals to clean the filter.	At least once every 2 weeks. More frequently if necessary.
Indoor Unit	1. Clean any dirt or dust on the grille or panel by wiping it with a soft cloth soaked in lukewarm water (below 40˚C/104˚F) and a neutral detergent solution. 2. Do not use gasoline, volatile substances or chemicals to clean the indoor unit.	At least once every 2 weeks. More frequently if necessary.
Condense Drain Pan & Pipe	1. Check and clean.	Every 3 months.
Indoor Fan	1. Check for unusual noise.	As necessary.
Indoor / Outdoor Coil	1. Check and remove dirt which are clogged between fins. 2. Check and remove obstacles which hinder air flow in and out of indoor/outdoor unit. 3. Note: Avoid direct contact of any coil treatment material on the plastic part. This may cause plastic part to deform as a result of chemical reaction.	Every month.
Electrical	1. Check voltage, current and wiring. 2. Check faulty contacts caused by loose connections, foreign matters, etc.	Every 2 months.
Compressor	1. No maintenance needed if refrigerant circuit remains sealed. However, check for refrigerant leak at joints and fittings.	Every 6 months.
Compressor Lubrication	1. Oil is factory charged. Not necessary to add oil if circuit remains sealed.	No maintenance required.
Fan Motors Lubrication	1. All motors pre-lubricated and sealed at factory.	No maintenance required.

Pre Start Up Maintenance
(After Extended Shutdown)

- Inspect thoroughly and clean indoor and outdoor units.
- Clean or replace air filters.
- Clean condensates drain line.
- Clean clogged indoor and outdoor coils.
- Check fan imbalance before operation.
- Tighten all wiring connections and panels.
- Check for refrigerant leakage.

Outdoor Models
The design of the MLC outdoor series allows servicing to be carried out readily and easily. The removal of the top/front and back panel make almost every part accessible.



Under normal circumstances, these outdoor units only require a check and cleaning of air intake coil surface once quarterly. However, if a unit is installed in areas subjected to much oil mist and dust, the coils must be regularly cleaned by qualified Air Conditioner Service Technicians to ensure sufficient heat exchange and proper operation. Otherwise, the systems life span may be shortened.

⚠ Caution

- Do not charge OXYGEN, ACETYLENE OR OTHER FLAMMABLE and poisonous gases into the unit when performing a leakage test or an airtight test. These gases could cause severe explosion and damage if exposed to high temperature and pressure. It is recommended that only nitrogen or refrigerant be charged when performing the leakage or airtight test.

Troubleshooting

Error Code / Fault Condition

When a malfunction of the air conditioner unit is detected, immediately switch off the main power supply before proceeding with the following troubleshooting procedures.
The following are common fault conditions and simple troubleshooting tips. If any other fault conditions which are not listed occur, contact your nearest local dealer. DO NOT attempt to troubleshoot the unit by yourself.

No	Fault conditions	Possible causes / corrective actions
1	The air conditioner unit will not resume after power failure.	• The auto restart function is not functioning. Please turn on the unit with the wireless / wired controller.
2	The compressor does not operate 3 minutes after the air conditioner unit is started.	• Protection against frequent starting. • Wait for 3 or 4 minutes for the compressor to start operating by it self.
3	The airflow is too slow or room cannot be cooled sufficiently.	• The air filter is dirty. • The doors and windows are opened. • The air suction and discharge of both indoor and outdoor units are clogged or blocked. • The regulated temperature or temperature setting is not low enough.
4	Discharge airflow has bad odor.	• Cigarettes, smoke particles, perfume and others, which might have adhered onto the coil, may cause odor. • Contact your nearest dealer.
5	Condensation on the front air grille of the indoor unit.	• This is caused by air humidity after an extended period of operation. • The set temperature is too low. Increase the temperature setting and operate the unit at high fan speed.
6	Water flowing out from the air conditioner.	• Switch off the unit and contact your nearest dealer. This might be due to tilted installation.
7	Hissing airflow sound from the air conditioner unit during operation.	• Liquid refrigerant flowing into the evaporator coil.
8	The wireless controller display is dim.	• The batteries are discharged. • The batteries are not correctly inserted. • The assembly is not good.
9	Compressor operates continuously.	• Dirty air filter. Clean the air filter. • Temperature setting too low (cooling). Use higher temperature setting. • Temperature setting too high (heating), Use lower temperature setting.
10	No cool air comes out during cooling cycle, or no hot air comes out during heating cycle.	• Temperature setting too high (cooling). Use lower temperature setting. • Temperature setting too low (heating). Use higher temperature setting.
11	On heating cycle, warm air does not come out.	• Unit is in defrost mode. Heating operation will resume after defrost cycle ends.

Diagnostic Guidelines

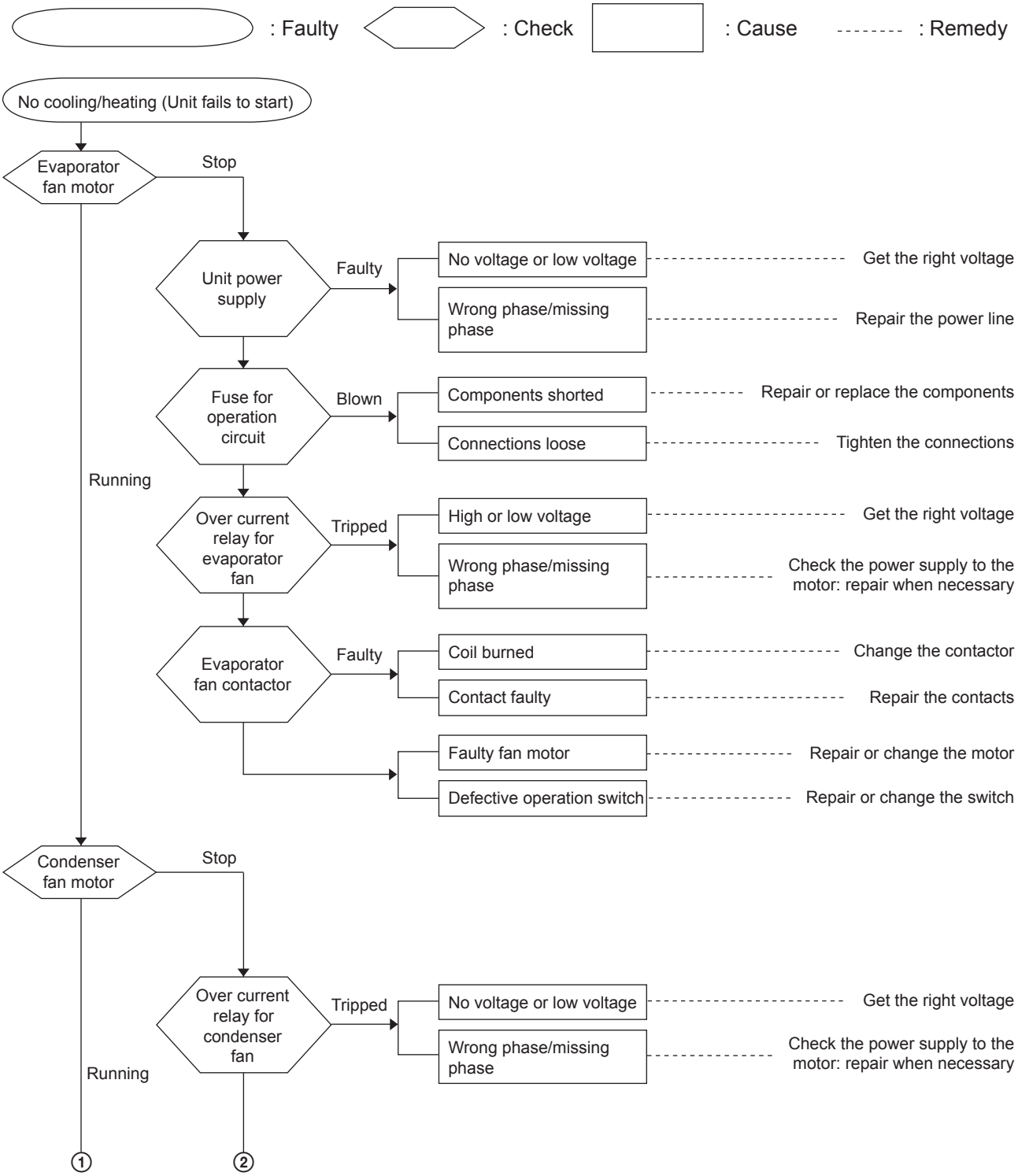
By means of pressure readings:

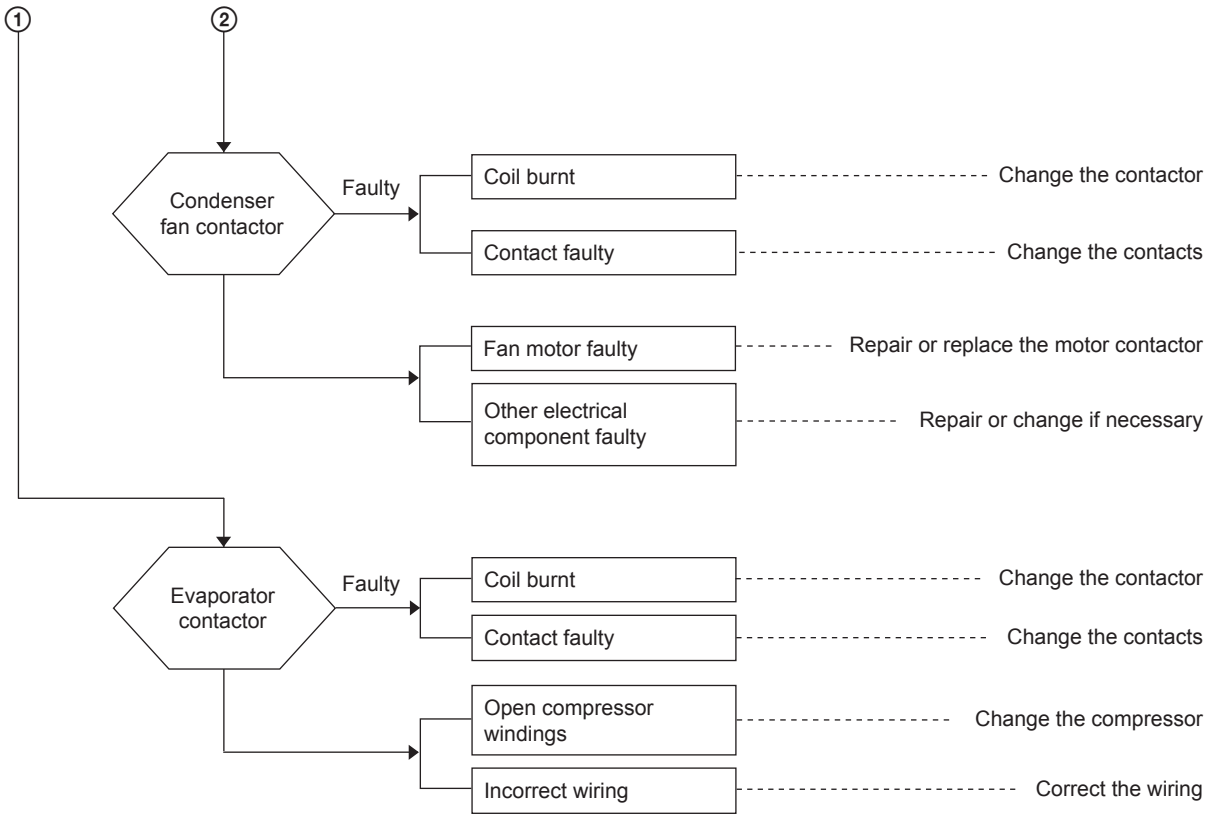
Data / Circuit	Pressure					Probable cause
	Too low	A little low	Normal	A little high	Too high	
High side **Low side**					• •	1. Overcharged with refrigerant. 2. Non-condensable gases in refrigerant circuit (e.g. air) 3. Obstructed air-intake / discharge. 4. Hot air short circuiting in outdoor unit.
High side **Low side**	•				•	1. Poor compression /no compression (compressor defective) 2. Reversing valve leaking.
High side **Low side**	•	•				1. Undercharged with refrigerant. 2. Refrigerant leakage. 3. Air filter clogged / dirty (indoor unit). 4. Indoor fan locked / seized. 5. Defective defrost control, outdoor coil freeze up (heating). 6. Outdoor fan locked / seized (heating).
High side **Low side**				•	•	1. Outdoor fan blocked (cooling). 2. Outdoor coil dirty (cooling). 3. Indoor fan locked / seized (heating). 4. Indoor air filter clogged / dirty (heating). 5. Non-condensable gases in refrigerant circuit (e.g. air)
High side **Low side**				•	•	1. Air intake temperature of indoor unit too high.

By means of diagnostic flow chart:

Generally, there are two kinds of problems, i.e. starting failure and insufficient cooling/heating. “Starting failure” is caused by electrical defect while improper application or defects in refrigerant circuit causes “Insufficient cooling / heating”.

i) Diagnosis of Electric circuit

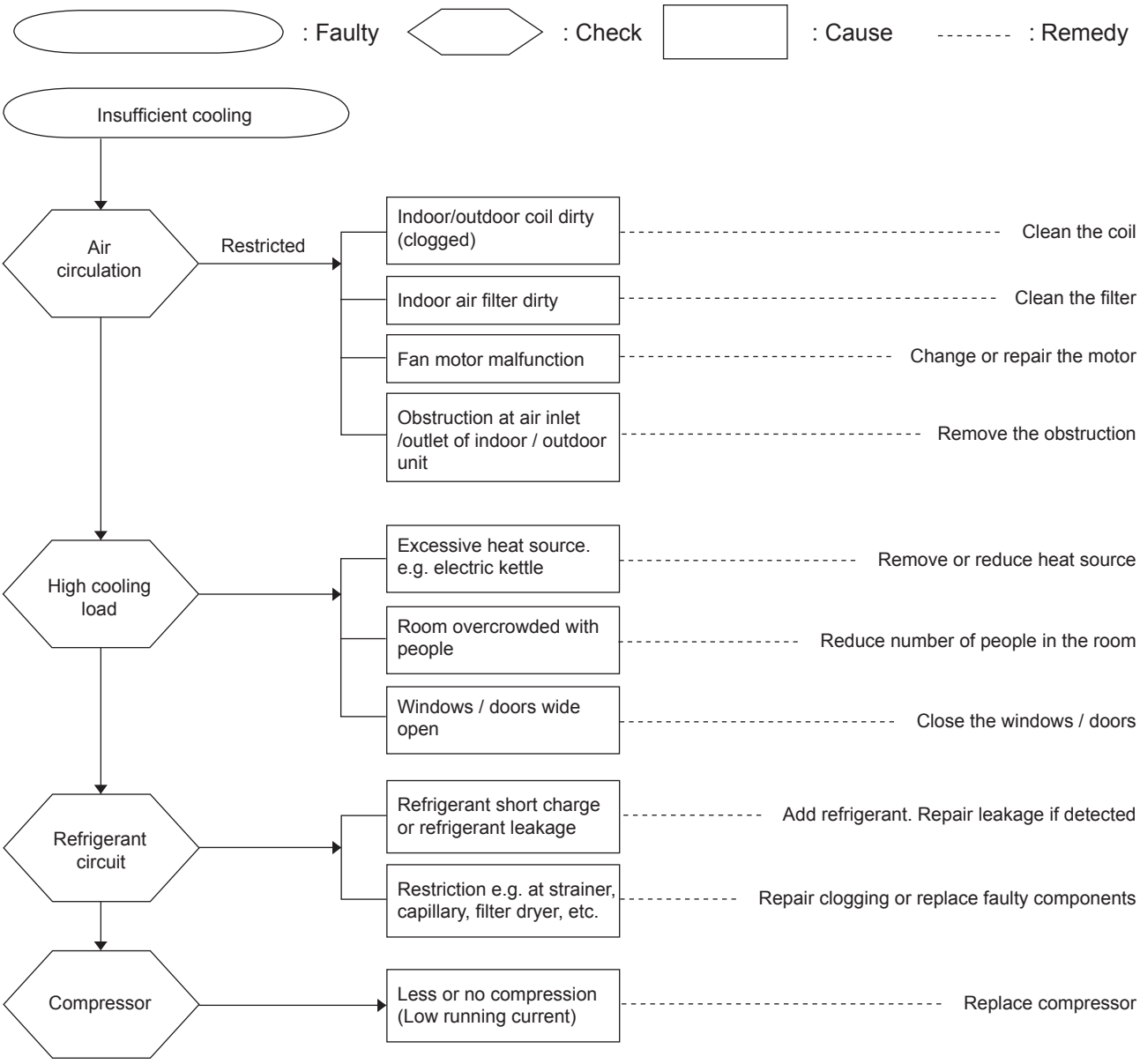




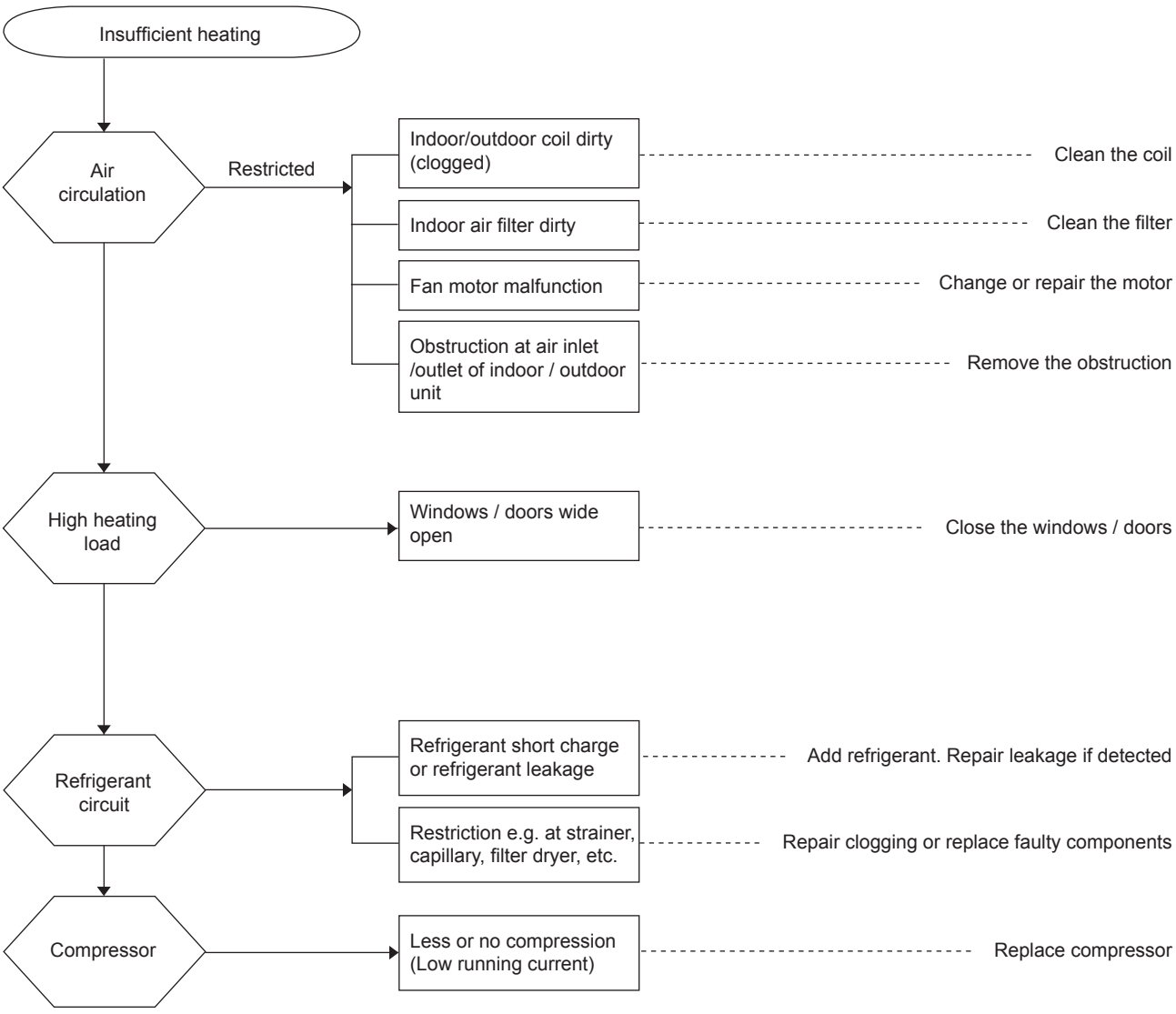
The most common causes of air conditioner failure to “start” are :
a) Voltage not within ±10% of rated voltage.
b) Power supply interrupted.
c) Improper control settings.
d) Air conditioner is disconnected from main power source.
e) Fuse blown or circuit breaker off.

ii) Diagnosis of Refrigerant Circuit / Application

There might be some causes where the unit starts running but does not perform satisfactorily, i.e. insufficient cooling. Judgement could be made by measuring temperature difference of indoor unit's intake and discharge air as well as running current.



Satisfactory operation with temperature difference of air intake & discharge of indoor unit 8°C to 13°C. *
(* value is for reference only)



Satisfactory operation with temperature difference of air intake & discharge of indoor unit 14°C to 20°C. *
(* value is for reference only)

Indicator Lights

MWM / M5WM - G SERIES
IR Signal Receiver
When there is infrared remote control operating signal, the signal receiver on indoor unit will made a (beep) for signal acceptance confirmation.

Cooling unit / Heatpump unit

The table below shows the LED indicator light for air conditioner unit under normal operation and fault condition. The LED indicator lights are located at the middle of the air conditioner unit.
The heat pump units is equipped with an “auto” mode,where by the unit will provide reasonable room temperature by switching the unit automatically to either “cool” mode or “heat” mode, according to the temperature setting set by the user.

LED Indicator Lights : Normal Operation and Fault Indication Table

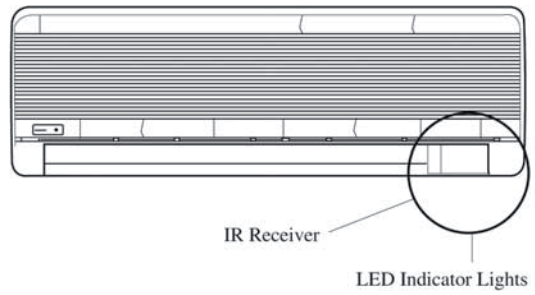
★	⏻ COOL/HEAT (GREEN/RED)	🕒	⇑	**Normal Operation / Fault Indication**	**Action**
○/●	○ Green		○/●	Cool mode	-
○/●	○ Red		○/●	Heat mode	-
○/●	○ Red		○/●	Auto mode in Heating operation	-
○/●	○ Green		○/●	Auto mode in Cooling operation	-
	○	○		Timer on	-
○	○			Sleep mode on	-
	○		○	Ionizer on	-
	○		○/●	Fan mode on	-
	○		○/●	Dry mode on	
	◑ 1 time			Room air sensor contact Loose / Short	Call your dealer
	◑ 3 times			Outdoor coil sensor open	Call your dealer
◑	◑ 2 times			Indoor coil sensor open	Call your dealer
		◑ 1 time		Compressor overload / Indoor coil sensor short / Outdoor coil sensor short	Call your dealer
	◑ Red			Defrost operation	-
		◑ 3 times		Gas leak	Call your dealer
○		◑ 5 times		Outdoor coil sensor exist (MS mode)	Call your dealer
		◑ 6 times		Hardware error (tact switch pin short)	Call your dealer

○ ON ○/● ON or OFF ◑ Blinking

Note: The unit will not detect sensor missing when the compressor is ON.

MWM030F / 030FR , M5WM031F / 030FR

LED Indicator Lights for Cooling Unit



Power On
Timer
Dry mode
Sleep mode

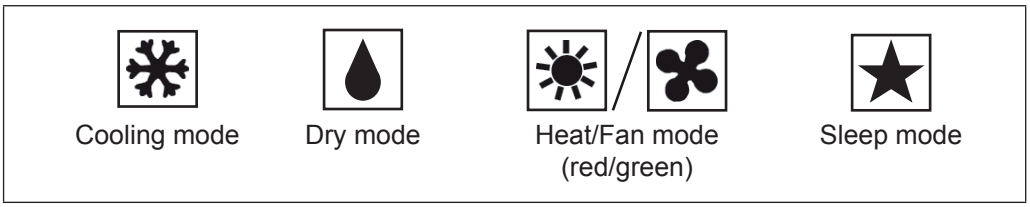
LED Indicator Lights : Normal Operation and Fault Conditions for Cooling Unit

Power	Dry	Timer	Sleep	**Normal Operation / Fault Indication**	**Action**
○		○		Timer on	-
○			○	Sleep mode on	-
○	○			Dry mode on	-
◑ Continuously	○/●			Frost prevention	Clean the filter and switch to high fan
◑ once every 2 sec.	○			Room air sensor contact loose / short	Call your dealer
◑◑ twice every 2 sec.	○			Indoor coil sensor contact loose / short	Call your dealer
◑◑◑ 3 times every 2 sec.	○		○/●	Sensor contact problem, compressor overload protection trip or gas leak	Call your dealer

○ ON ○/● ON or OFF ◑ Blinking

Note: The unit will not detect sensor missing when the compressor is ON.

LED Indicator Lights For Heatpump Unit



LED Indicator Lights : Normal Operation and Fault Conditions for Cooling Unit

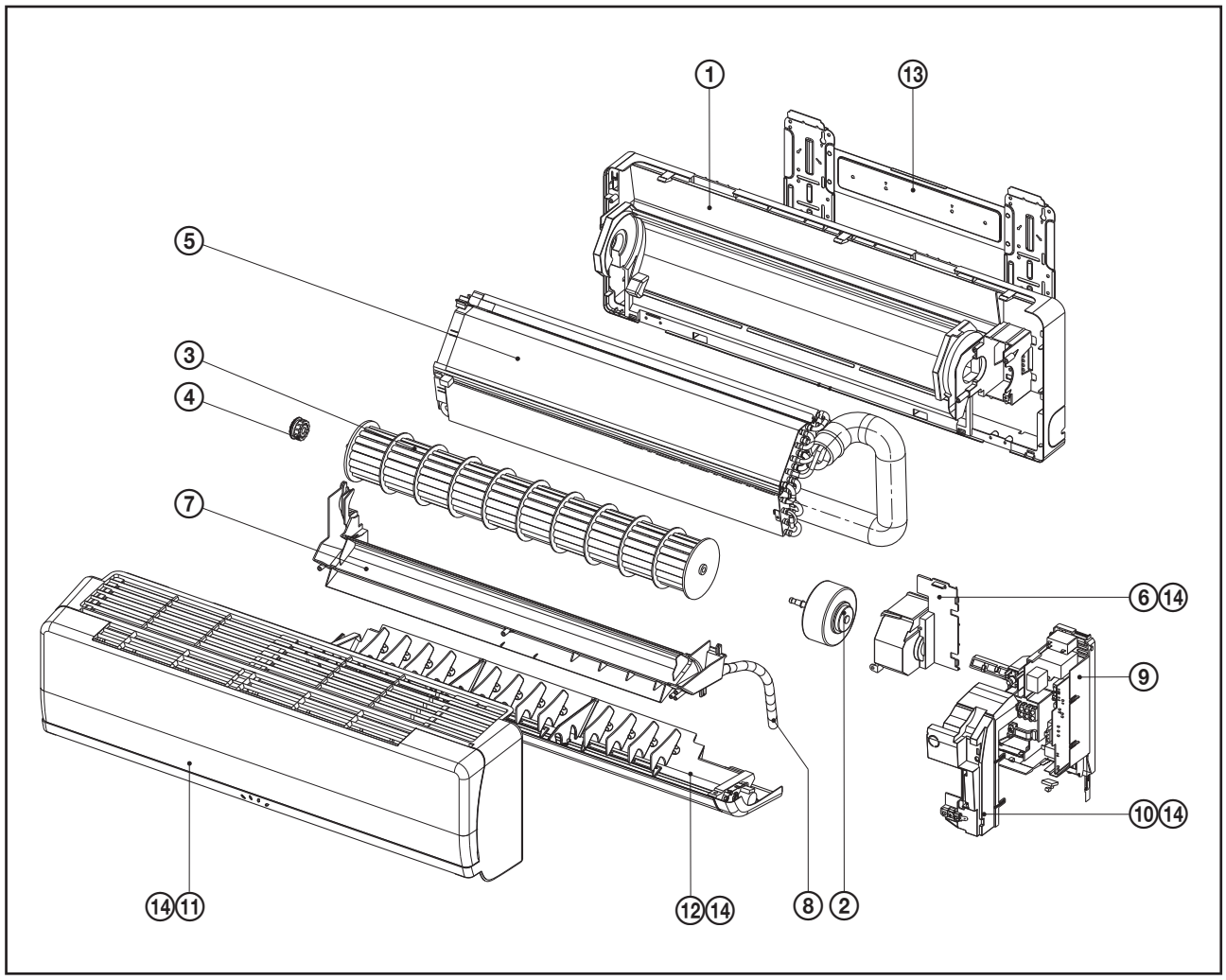
Cool	Dry	Fan	Heat	Sleep	**Normal Operation / Fault Indication**	**Action**
○				○/●	Cooling mode	-
	○				Dry mode	-
		○			Fan mode	-
			○	○/●	Heat mode	-
◑			○	○/●	Auto mode in heating operation	-
○			◑	○/●	Auto mode in cooling operation	-
			◑		Defrost operation	-
◑					Compressor overload protection	Call your dealer
				◑	Indoor coil sensor contact loose / short	Call your dealer
	◑				Outdoor coil sensor contact loose / short	Call your dealer
		◑			Room air sensor contact loose / short	Call your dealer
◑	◑				If the system is in cool mode or heat mode (with the sleep function off), the sensor may have a contact problem, compressor overload protection trip orgas leak.	

○ ON ○/● ON or OFF ◑ Blinking

Note: The unit will not detect sensor missing when the compressor is ON.

Exploded View and Part List

INDOOR UNIT
MODEL: MWM/M5WM 07/09G2/G2R

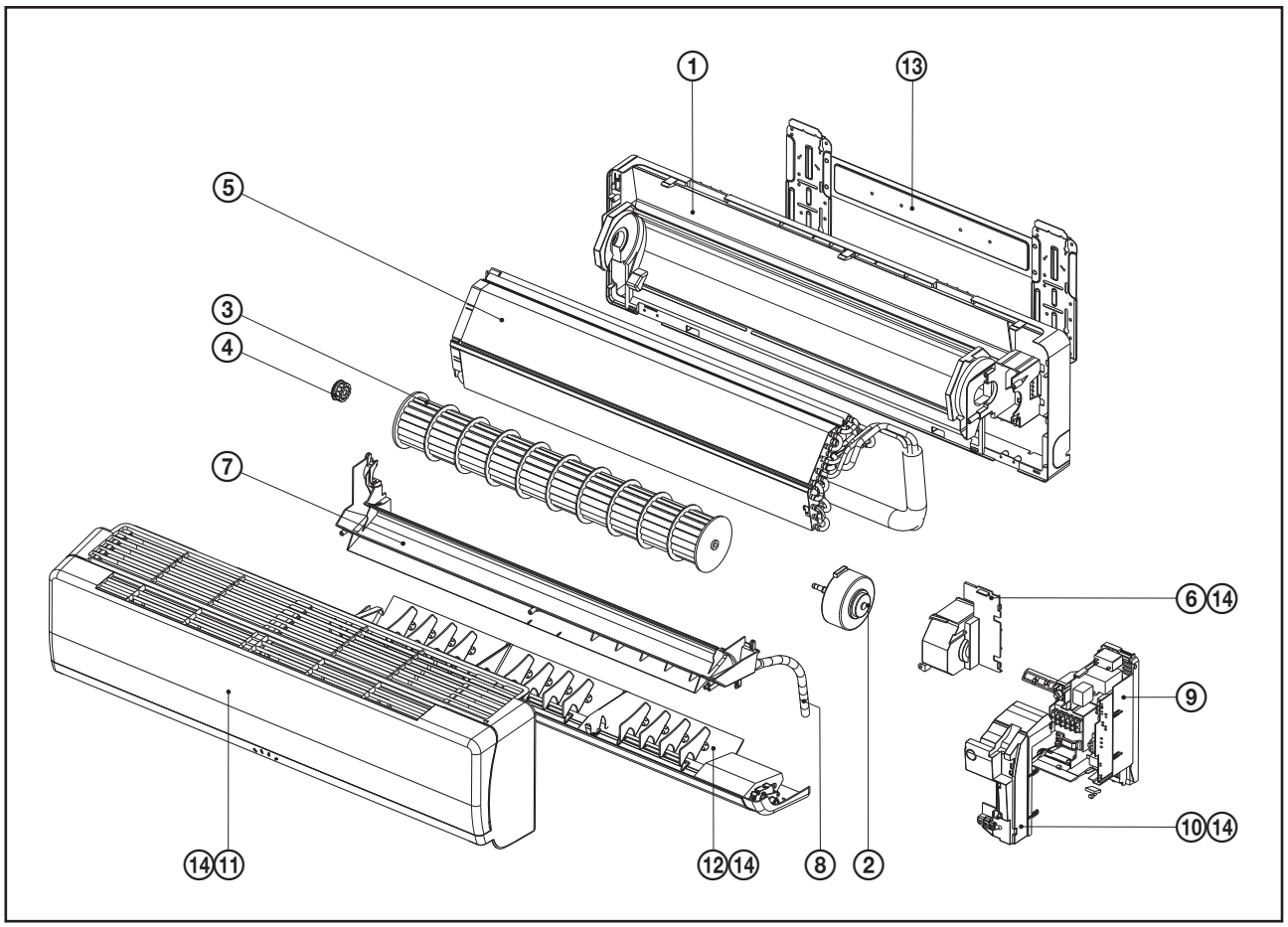


No	Description
1	ASSY., CHASIS
2	FAN, MOTOR
3	CROSS FLOW FAN
4	FAN, BUSH
5	ASSY., COIL
6	PIPING, CLAMP
7	ASSY., DRAIN PAN

No	Description
8	DRAIN HOSE
9	ASSY., CONTROL BOX
10	ASSY., CONTROL BOX COVER
11	ASSY., FRONT COVER
12	ASSY., AIR DISCHARGE HOUSING
13	ASSY, MOUNTING PLATE
14	SCREW, S.T. ROUND HEAD BT

Note: All exploded view and part list are subjected to change by the manufacturer without prior notice

INDOOR UNIT
MODEL: MWM/M5WM 10/15G2/G2R

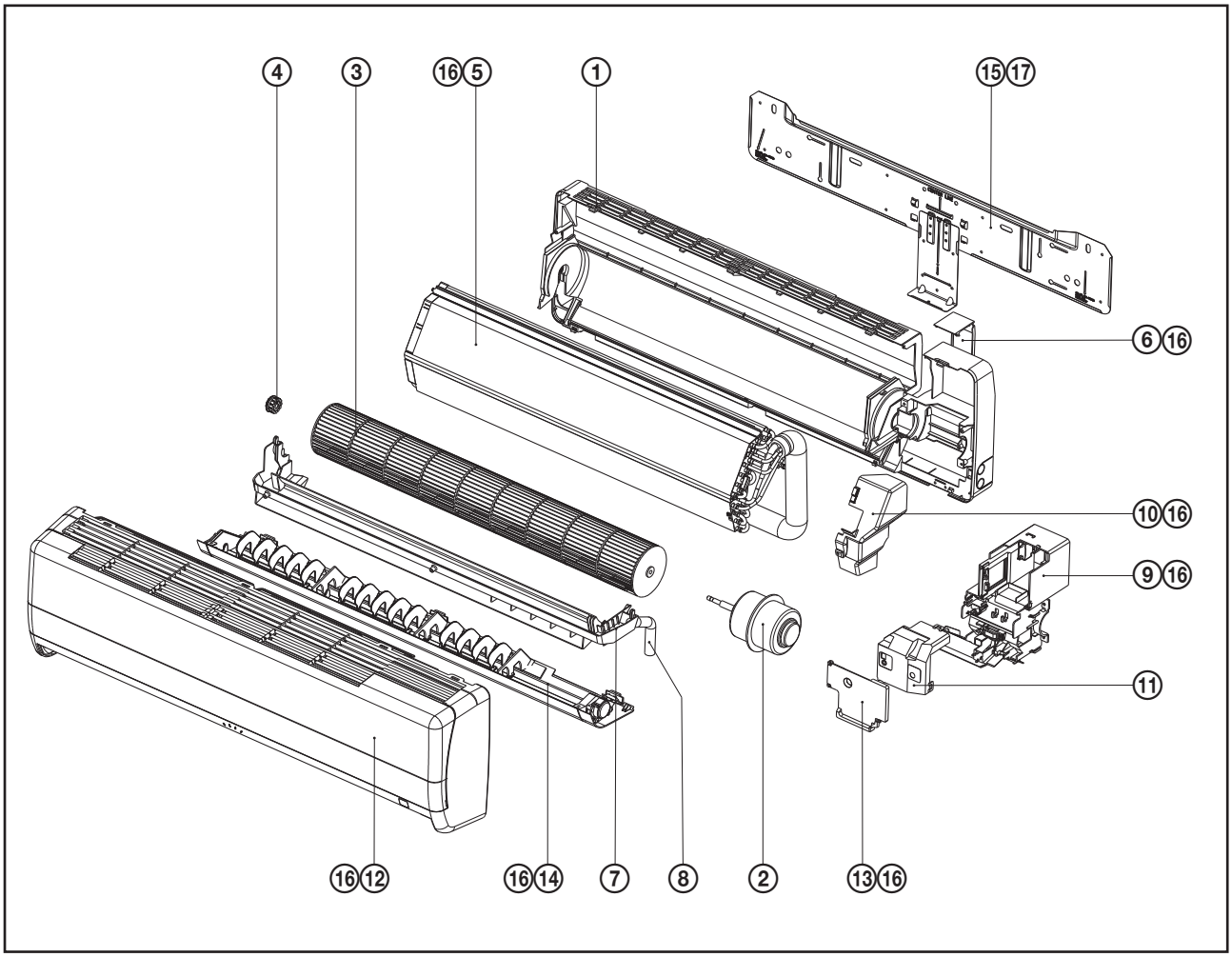


No	Description
1	ASSY., CHASIS
2	FAN, MOTOR
3	CROSS FLOW FAN
4	FAN, BUSH
5	ASSY., COIL
6	PIPING, CLAMP
7	ASSY., DRAIN PAN

No	Description
8	DRAIN HOSE
9	ASSY., CONTROL BOX
10	ASSY., CONTROL BOX COVER
11	ASSY., FRONT COVER
12	ASSY., AIR DISCHARGE HOUSING
13	ASSY, MOUNTING PLATE
14	SCREW, S.T. ROUND HEAD BT

Note: All exploded view and part list are subjected to change by the manufacturer without prior notice

INDOOR UNIT
MODEL: MWM/M5WM 20/25G2/G2R

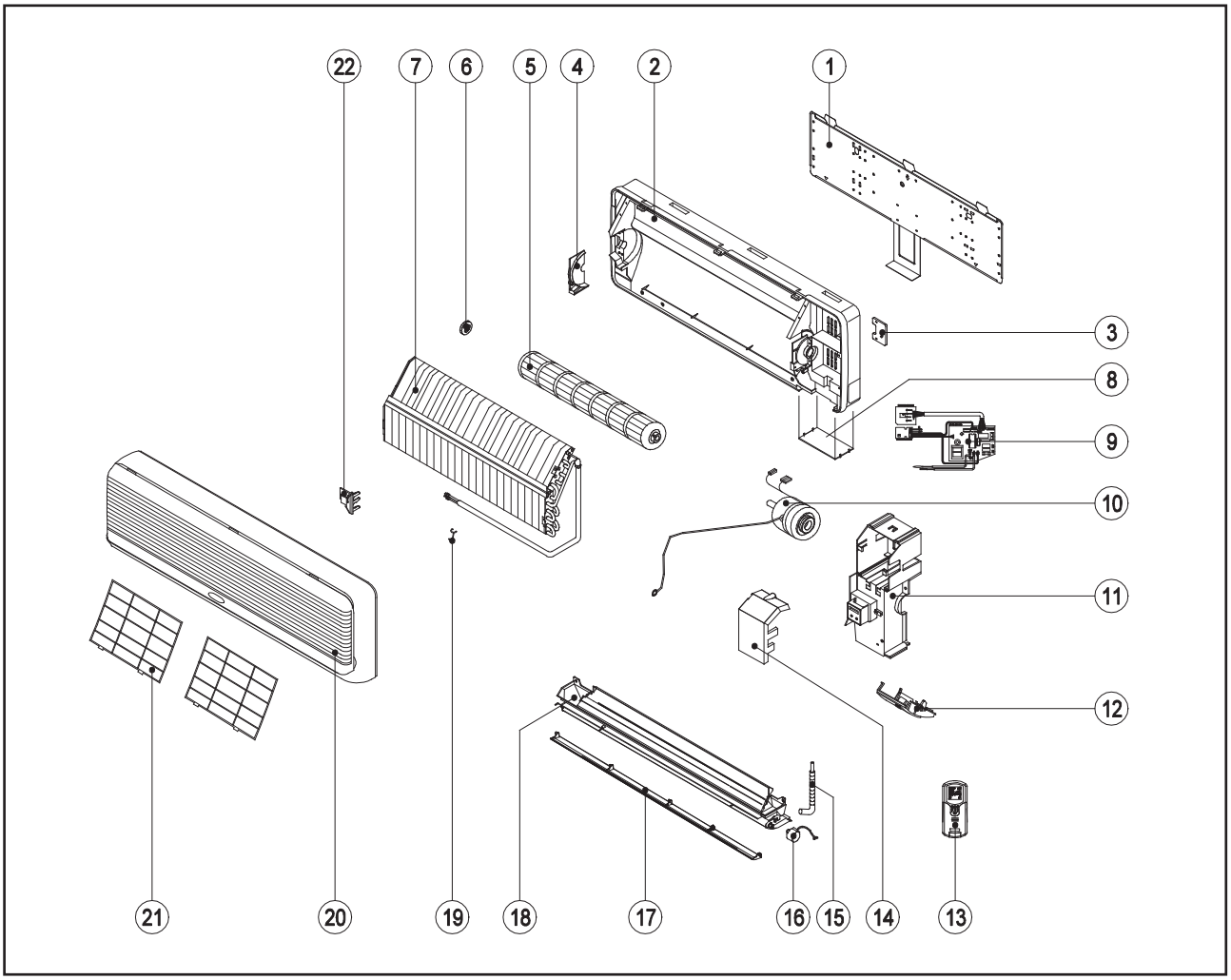


No	Description
1	ASSY., CHASIS
2	FAN, MOTOR
3	CROSS FLOW FAN
4	FAN, BUSH
5	ASSY., COIL
6	PIPING, CLAMP
7	ASSY., DRAIN PAN
8	DRAIN HOSE
9	ASSY., CONTROL BOX

No	Description
10	COVER, PIPING
11	ASSY., CONTROL BOX COVER
12	ASSY., FRONT COVER
13	SERVICE PANEL
14	ASSY., AIR DISCHARGE HOUSING
15	ASSY, MOUNTING PLATE
16	SCREW, S.T. ROUND HEAD BT
17	RIVET

Note: All exploded view and part list are subjected to change by the manufacturer without prior notice

INDOOR UNIT
MODEL: MWM030F, M5WM031F

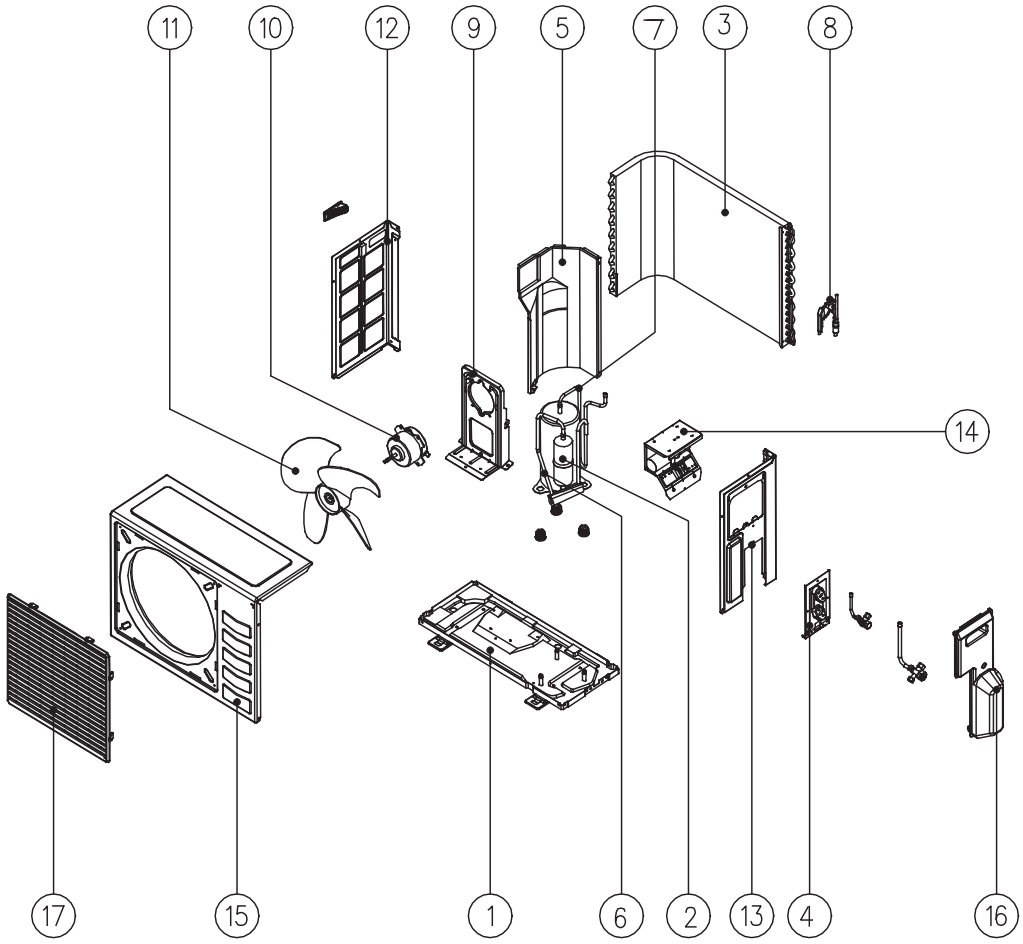


No	Description
1	Assy. Installation Bracket
2	Assy. Chassis
3	Piping Clamp
4	Fan Bush Bracket
5	Cross Flow Fan
6	Fan Bush
7	Assy. Coil
8	Service Panel
9	Control Module
10	Fan Motor
11	Assy. Control Box
12	LED Light Bracket

No	Description
13	Handset, Wireless G17
14	Control Box Cover
15	Assy. Drain Hose
16	Air Swing Motor
17	Air Louver
18	Assy. Air Discharge Housing
19	Coil Sensor Clip
20	Assy. Front Cover
21	Saranet Filter
22	Thermistor Holder
Parts Not in Diagram	
	Assy. Orifice Pipe

Note: All exploded view and part list are subjected to change by the manufacturer without prior notice

OUTDOOR UNIT
MODEL: MLC007C

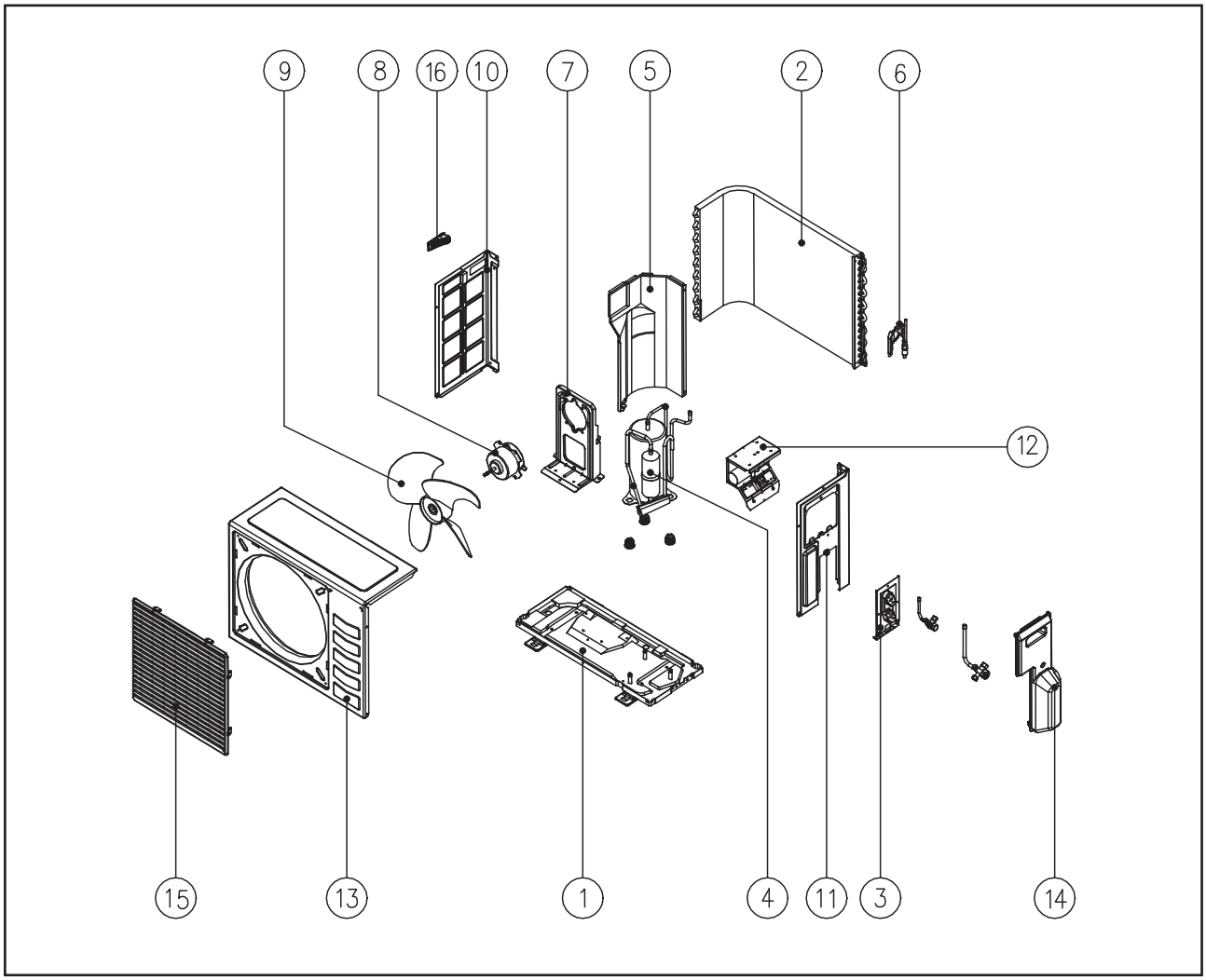


No	Description
1	Assy. Base Pan
2	Compressor
3	Assy. Outdoor Coil
4	Valve Bracket
5	Assy. Partition
6	Assy. Suction Tube
7	Assy. Discharge Tube
8	Assy. Cap Tube
9	Bracket, Fan Motor
10	Fan Motor
11	Fan Propeller

No	Description
12	Left Panel
13	Right Panel
14	Assy. Control Panel
15	Top/Front Panel
16	Assy. Valve Cover
17	Assy. Front Grille
Parts Not in Diagram	
	Capacitor, Fan Motor
	Capacitor, Compressor
	Assy. Flare Valve 2 Ways 1/4”
	Assy. Flare Valve 3 Ways 3/8”

Note: All exploded view and part list are subjected to change by the manufacturer without prior notice

OUTDOOR UNIT
MODEL: MLC009C/CR

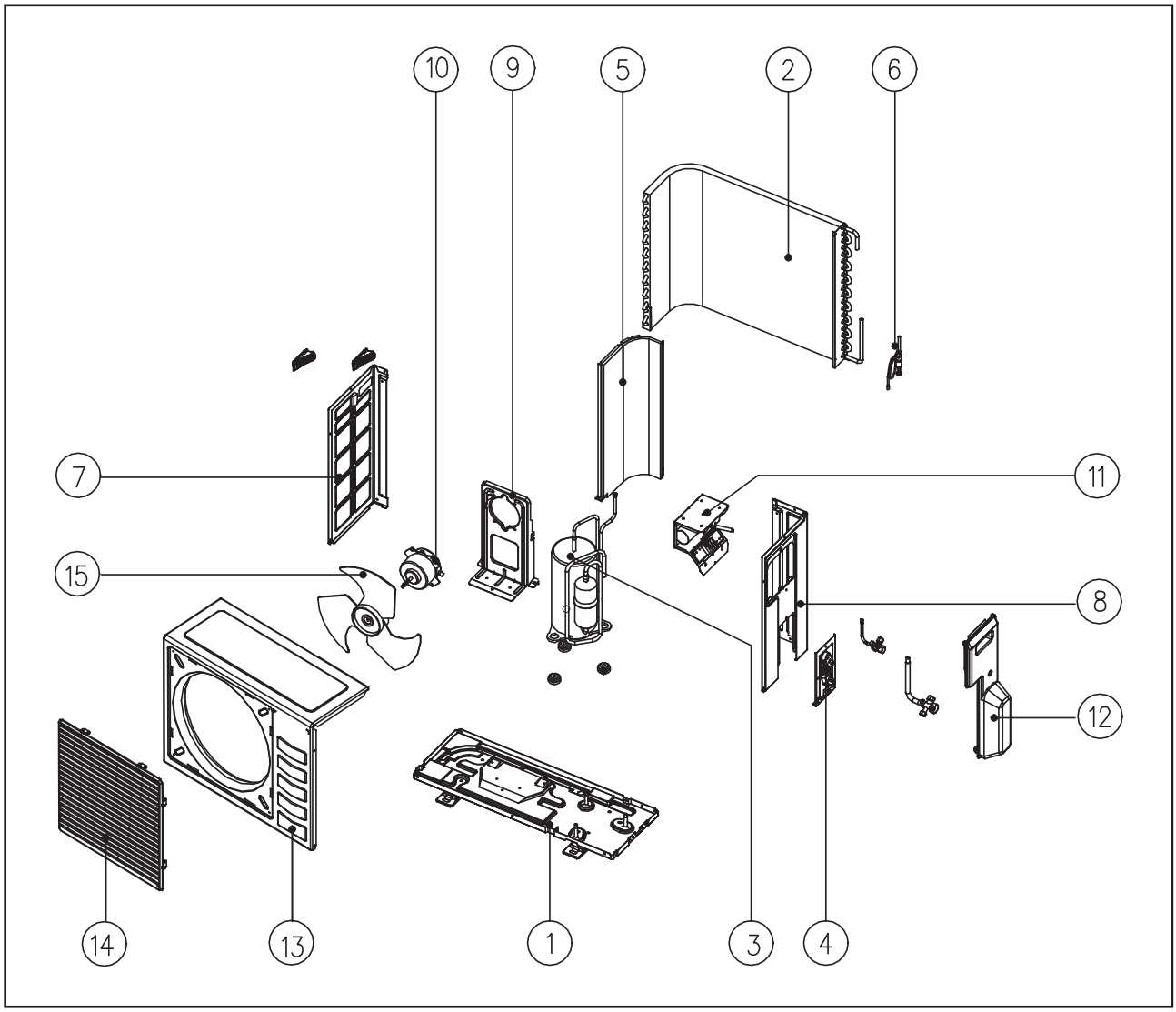


No	Description
1	Assy. Base Pan
2	Assy. Outdoor Coil
3	Valve Bracket
4	Compressor
5	Assy. Partition
6	Assy. Cap Tube
7	Bracket, Fan Motor
8	Fan Motor
9	Fan Propeller
10	Left Panel
11	Right Panel

No	Description
12	Assy. Control Panel
13	Top/Front Panel
14	Assy. Valve Cover
15	Assy. Front Grille
16	Plastic Handle
Parts Not in Diagram	
	Capacitor, Fan Motor
	Capacitor, Compressor
	Assy. Flare Valve 2 Ways 1/4”
	Assy. Flare Valve 3 Ways 3/8”
	Valve, Rev 4 Way

Note: All exploded view and part list are subjected to change by the manufacturer without prior notice

OUTDOOR UNIT
MODEL: MLC010/015C/CR

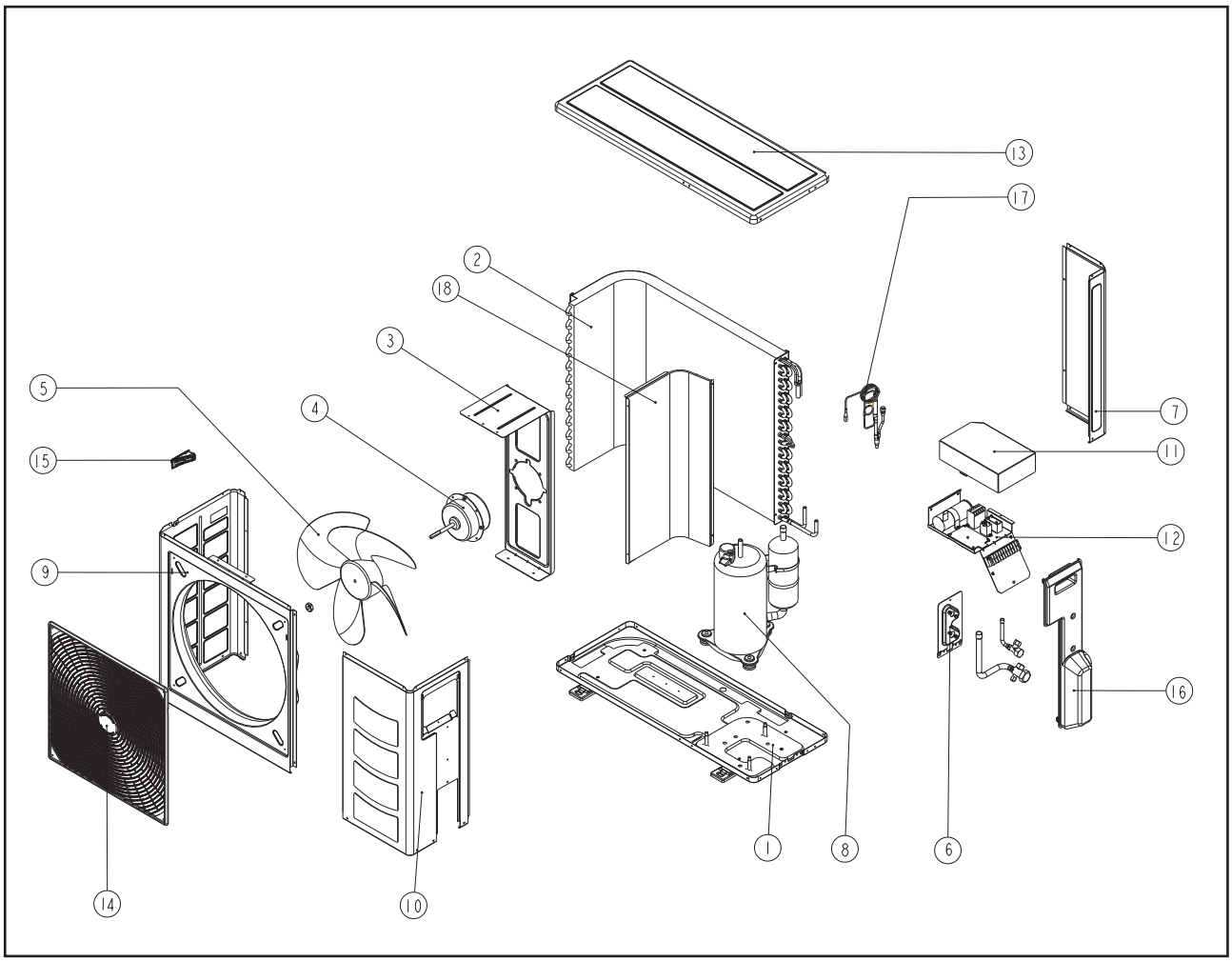


No	Description
1	Assy. Base Pan
2	Assy. Outdoor Coil
3	Compressor
4	Valve Bracket
5	Assy. Partition
6	Assy. Cap Tube
7	Left Panel
8	Right Panel
9	Bracket, Fan Motor
10	Fan Motor
11	Assy. Control Panel
12	Assy. Valve Cover

No	Description
13	Top/Front Panel
14	Assy. Front Grille
15	Fan Propeller
Parts Not in Diagram	
	Capacitor, Fan Motor
	Capacitor, Compressor
	Assy. Flare Valve 2 Ways 1/4”
	Assy. Flare Valve 3 Ways 3/8”
	MLC010C/CR
	Assy. Flare Valve 3 Ways 1/2”
	MLC015C/CR
	Valve, Rev 4 Way

Note: All exploded view and part list are subjected to change by the manufacturer without prior notice

OUTDOOR UNIT
MODEL: MLC018/020C/CR

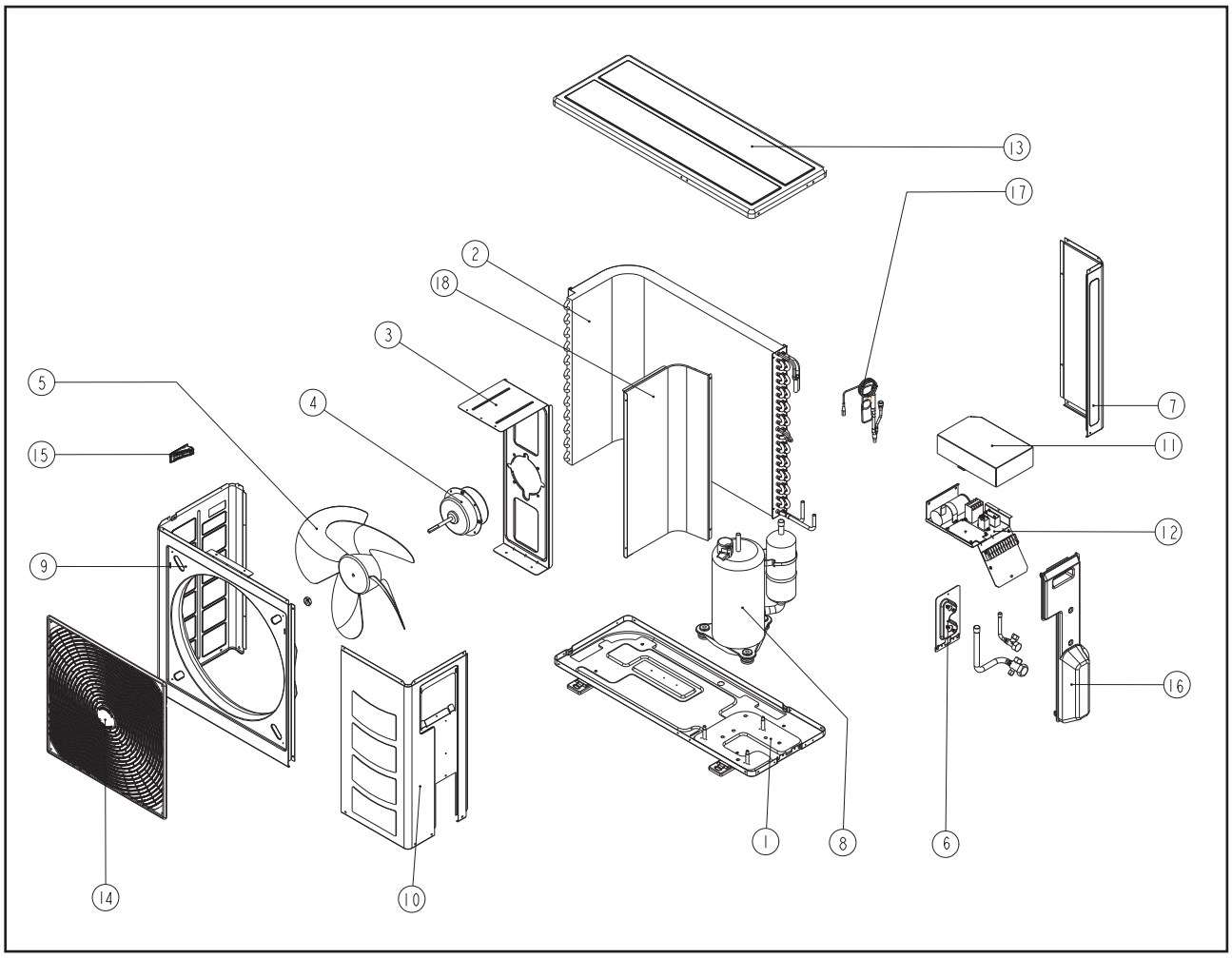


No	Description
1	Assy. Base Pan
2	Assy. Outdoor Coil
3	Bracket, Fan Motor
4	Fan Motor
5	Fan Propeller
6	Assy. Valve Bracket
7	Back Panel, Right
8	Compressor
9	Front Panel, Left
10	Service Panel
11	Terminal Cover Panel
12	Assy. Control Panel
13	Top Panel

No	Description
14	Assy. Front Grille
15	Plastic Handle
16	Assy. Valve Cover
17	Assy. Cap Tube
18	Partition
Parts Not in Diagram	
	Capacitor, Fan Motor
	Capacitor, Compressor
	Assy. Flare Valve 3 Ways 5/8”
	Assy. Flare Valve 2 Ways 1/4”
	Valve, Rev 4 Way
	Felt, Compressor

Note: All exploded view and part list are subjected to change by the manufacturer without prior notice

OUTDOOR UNIT
MODEL: MLC025/028C/CR

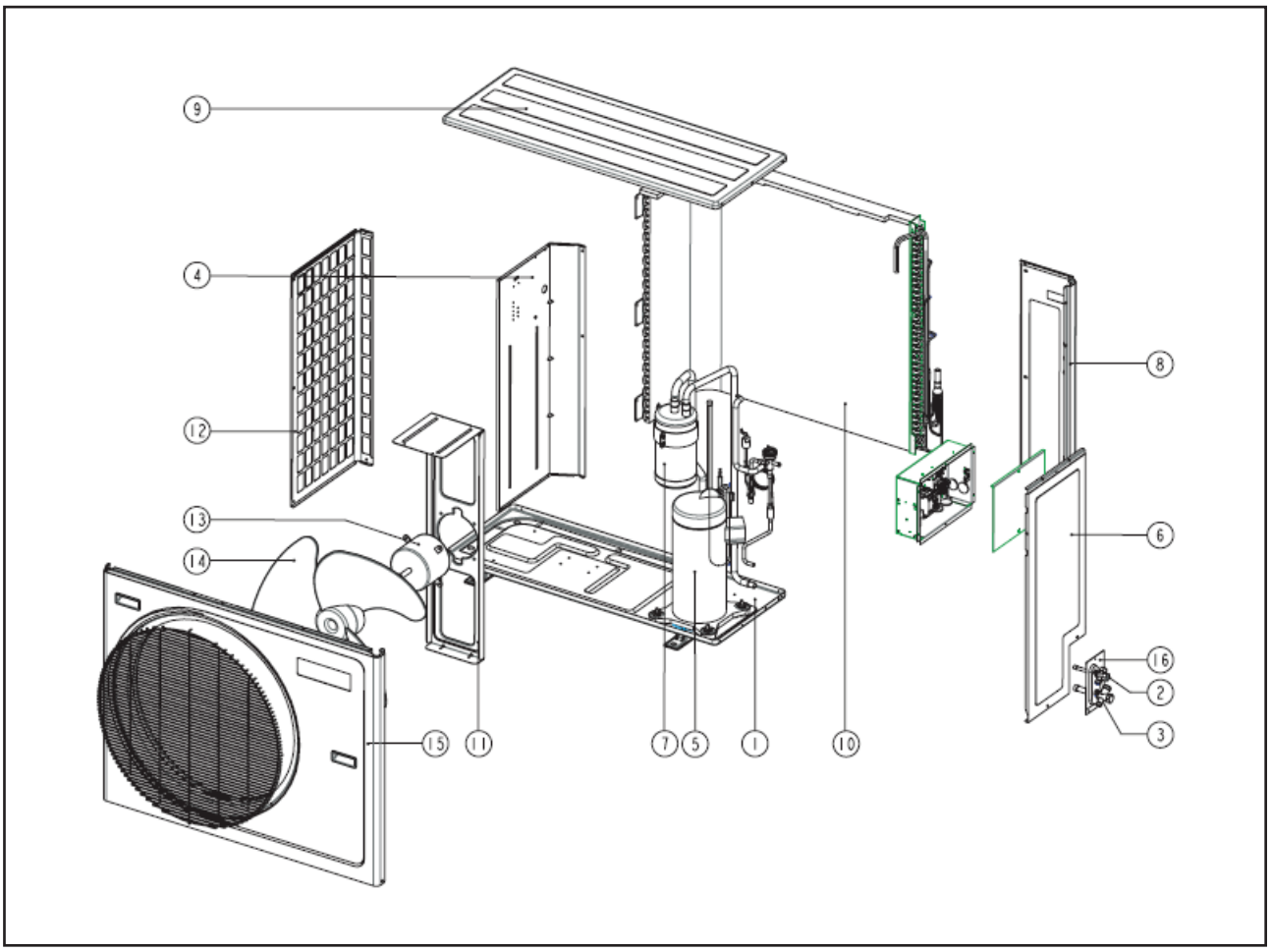


No	Description
1	Assy. Base Pan
2	Assy. Outdoor Coil
3	Bracket, Fan Motor
4	Fan Motor
5	Fan Propeller
6	Assy. Valve Bracket
7	Back Panel, Right
8	Compressor
	MLC025C/CR
	Assy. Compressor
	MLC028C/CR
9	Front Panel, Left
10	Service Panel
11	Terminal Cover Panel

No	Description
12	Assy. Control Panel
13	Top Panel
14	Assy. Front Grille
15	Plastic Handle
16	Assy. Valve Cover
17	Assy. Cap Tube
18	Partition
Parts Not in Diagram	
	Capacitor,Fan Motor
	Capacitor, Compressor
	Assy. Flare Valve 3 Ways 5/8”
	Assy. Flare Valve 3 Ways 3/8”
	Valve, Rev 4 Way
	Felt, Compressor

Note: All exploded view and part list are subjected to change by the manufacturer without prior notice

OUTDOOR UNIT
MODEL: MLC030C/CR

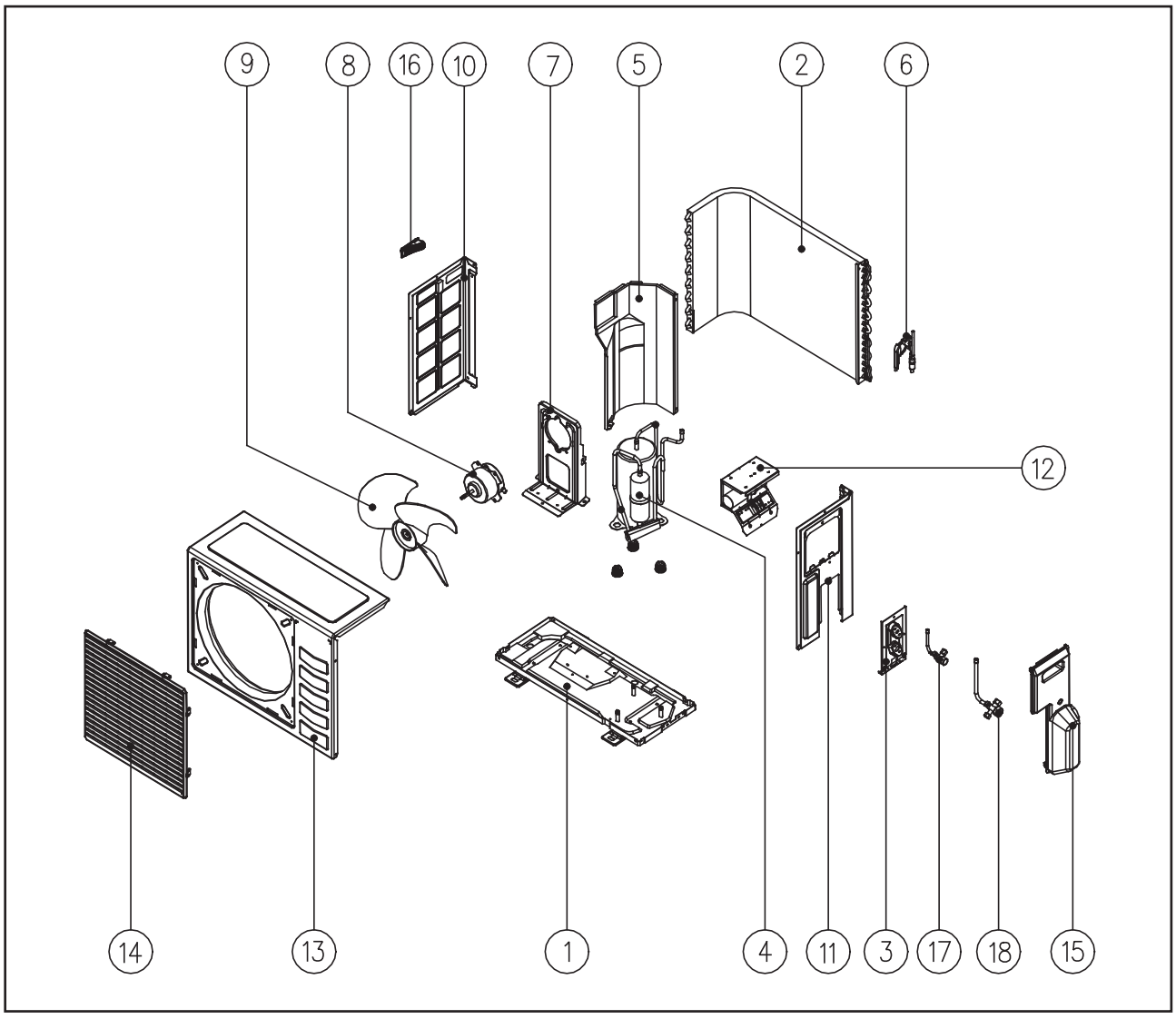


No	Description
1	Assy. Base Pan
2	Assy. 3 Way VLV 3/8”
3	Assy. 3 Way VLV 5/8”
4	Assy. Panel, Partition
5	Assy. Compressor
6	Service Panel
7	Accumulator
8	Panel, Back Right
9	Top Panel
10	Assy. Coil
11	Fan Motor Bracket
12	Panel Side Left

No	Description
13	Fan Motor
14	Fan Blade
15	Assy. Front Panel
16	Valve Plate
Parts Not in Diagram	
	Capacitor, Compressor
	Capacitor, Fan Motor
	Pressure Switch
	Contactor
	Fan Guard
	Assy. Terminal Board Main
	Valve, 4-Way

Note: All exploded view and part list are subjected to change by the manufacturer without prior notice

OUTDOOR UNIT
MODEL: M5LC007C/CR

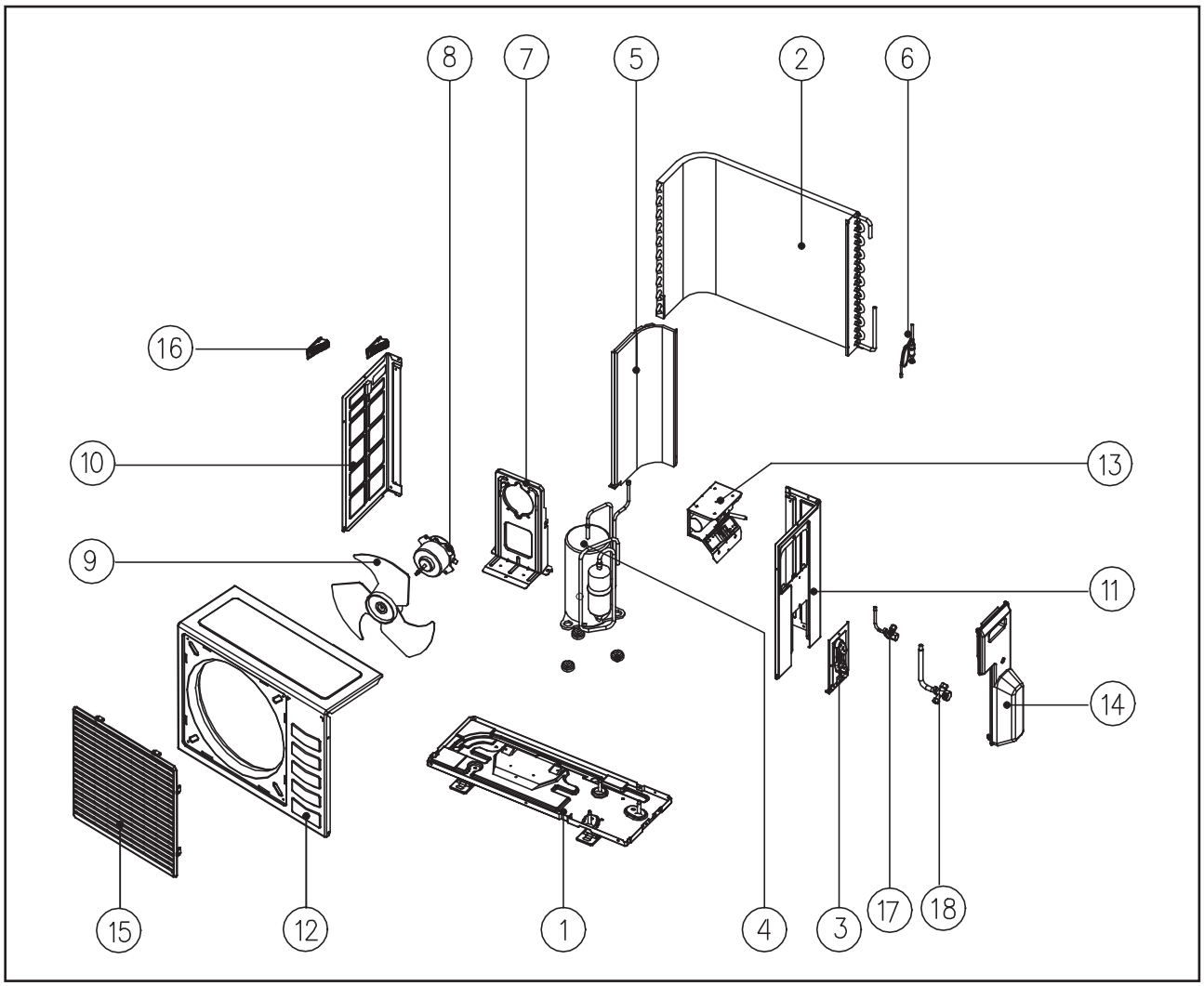


No	Description
1	Assy. Base Pan
2	Assy. Outdoor Coil
3	Valve Bracket
4	Compressor
5	Assy. Partition
6	Assy. Cap Tube
7	Bracket, Fan Motor
8	Fan Motor
9	Fan Propeller
10	Left Panel
11	Right Panel
12	Assy. Control Panel

No	Description
13	Top/Front Panel
14	Assy. Front Grille
15	Assy. Valve Cover
16	Plastic Handle
17	Assy. 2 Ways Valve 1/4”
18	Assy. 3 Ways Valve 3/8”
Parts Not in Diagram	
	Capacitor, Fan Motor
	Capacitor, Compressor
	Assy. 4 Way Valve
	Defrost Thermistor

Note: All exploded view and part list are subjected to change by the manufacturer without prior notice

OUTDOOR UNIT
MODEL: M5LC010/015C/CR

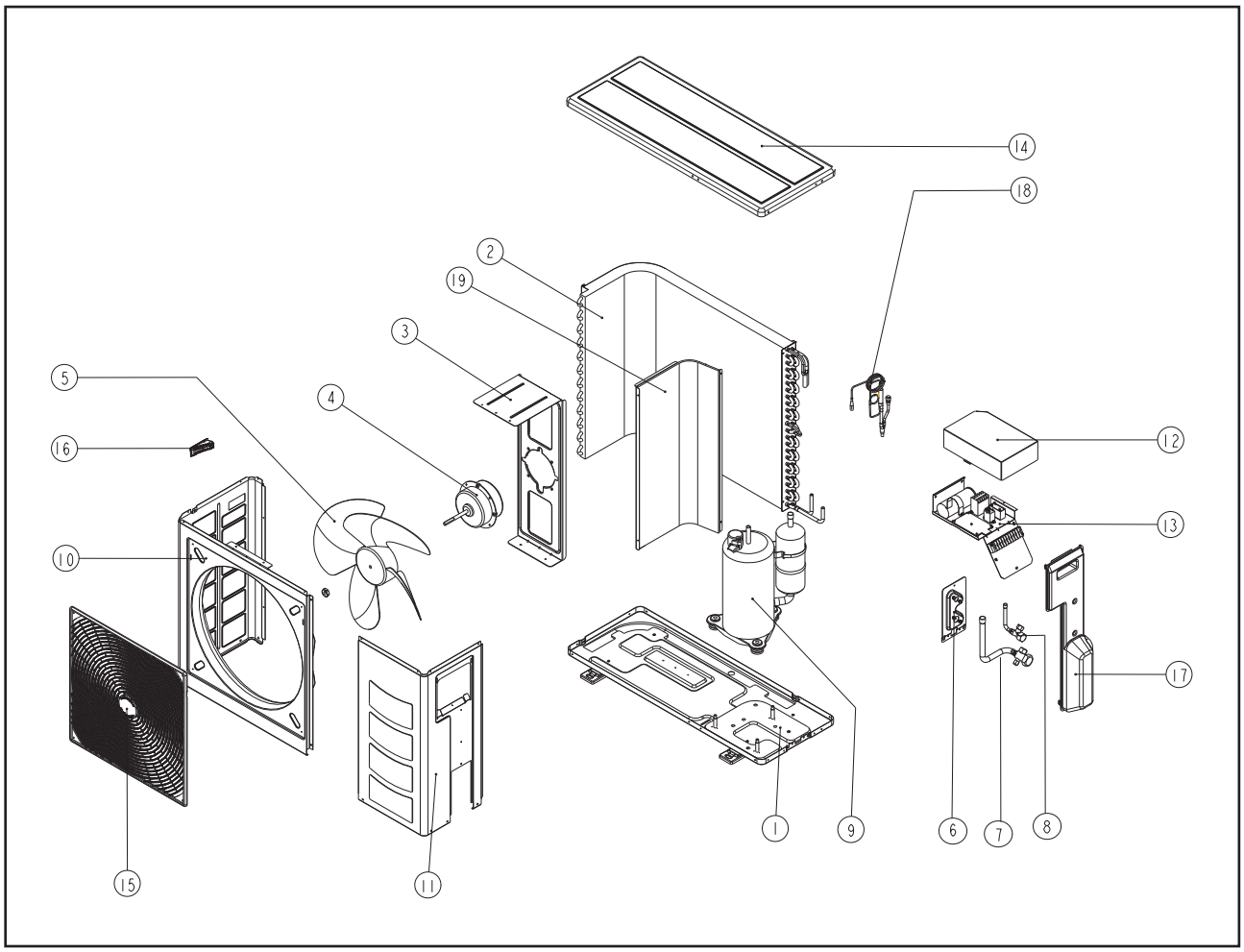


No	Description
1	Assy. Base Pan
2	Assy. Outdoor Coil
3	Valve Bracket
4	Compressor
5	Assy. Partition
6	Assy. Cap Tube
7	Bracket, Fan Motor
8	Fan Motor
9	Fan Propeller
10	Left Panel
11	Right Panel
12	Top/Front Panel
13	Assy. Control Panel

No	Description
14	Assy. Valve Cover
15	Assy. Front Grille
16	Plastic Handle
17	Assy. 2 Ways Valve 1/4”
18	Assy. 3 Ways Valve 3/8”
	M5LC010C/CR
	Assy. 3 Ways Flare Valve 1/2”
	M5LC015C/CR
Parts Not in Diagram	
	Capacitor, Fan Motor
	Capacitor, Compressor
	Valve, Rev 4 Way
	Defrost Thermistor

Note: All exploded view and part list are subjected to change by the manufacturer without prior notice

OUTDOOR UNIT
MODEL: M5LC020C/CR

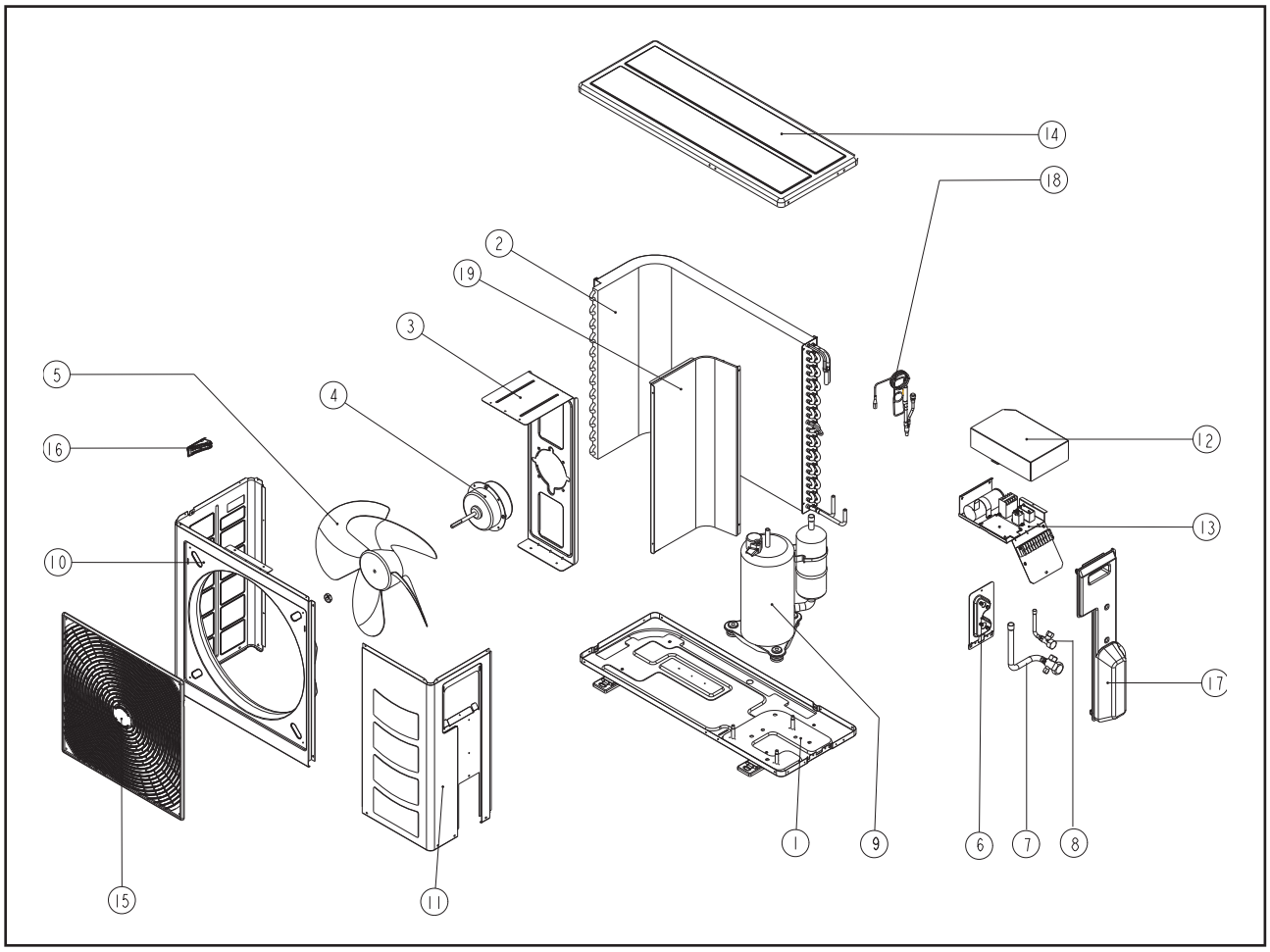


No	Description
1	Assy. Base Pan
2	Assy. Outdoor Coil
3	Bracket, Fan Motor
4	Fan Motor
5	Fan Propeller
6	Assy. Valve Bracket
7	Assy. 3 Ways Valve 1/2”
8	Assy. 2 Ways Valve 1/4”
9	Compressor
10	Front Panel, Left
11	Service Panel
12	Terminal Cover Panel
13	Assy. Control Panel

No	Description
14	Top Panel
15	Assy. Front Grille
16	Plastic Handle
17	Assy. Valve Cover
18	Assy. Cap Tube
19	Partition
Parts Not in Diagram	
	Capacitor, Fan Motor
	Capacitor, Compressor
	Valve, Rev 4 Way
	Defrost Thermistor
	Back Panel, Right

Note: All exploded view and part list are subjected to change by the manufacturer without prior notice

OUTDOOR UNIT
MODEL: M5LC025/028C/CR

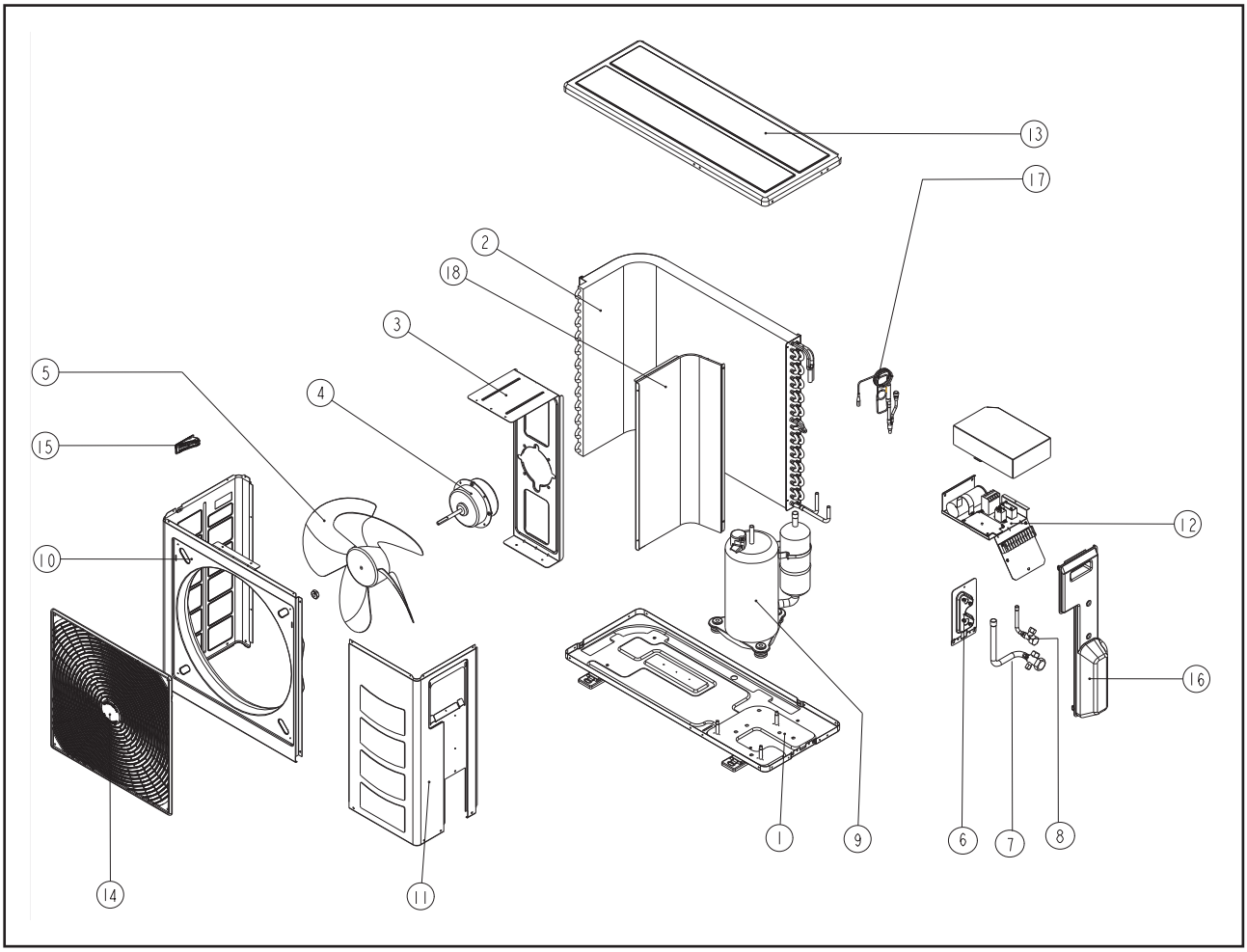


No	Description
1	Assy. Base Pan
2	Assy. Outdoor Coil
3	Bracket, Fan Motor
4	Fan Motor
5	Fan Propeller
6	Assy. Valve Bracket
7	Assy. 3 Ways Valve 5/8”
8	Assy. 2 Ways Valve 1/4”
	M5LC025C/CR
	Assy. 3 Ways Valve 3/8”
	M5LC028C/CR
9	Compressor
10	Front Panel, Left
11	Service Panel

No	Description
12	Terminal Cover Panel
13	Assy. Control Panel
14	Top Panel
15	Assy. Front Grille
16	Plastic Handle
17	Assy. Valve Cover
18	Assy. Cap Tube
19	Partition
Parts Not in Diagram	
	Capacitor, Fan Motor
	Capacitor, Compressor
	Back Panel, Right
	Valve, Rev 4 Way

Note: All exploded view and part list are subjected to change by the manufacturer without prior notice

OUTDOOR UNIT
MODEL: M5LC020C/CR (3 phase)

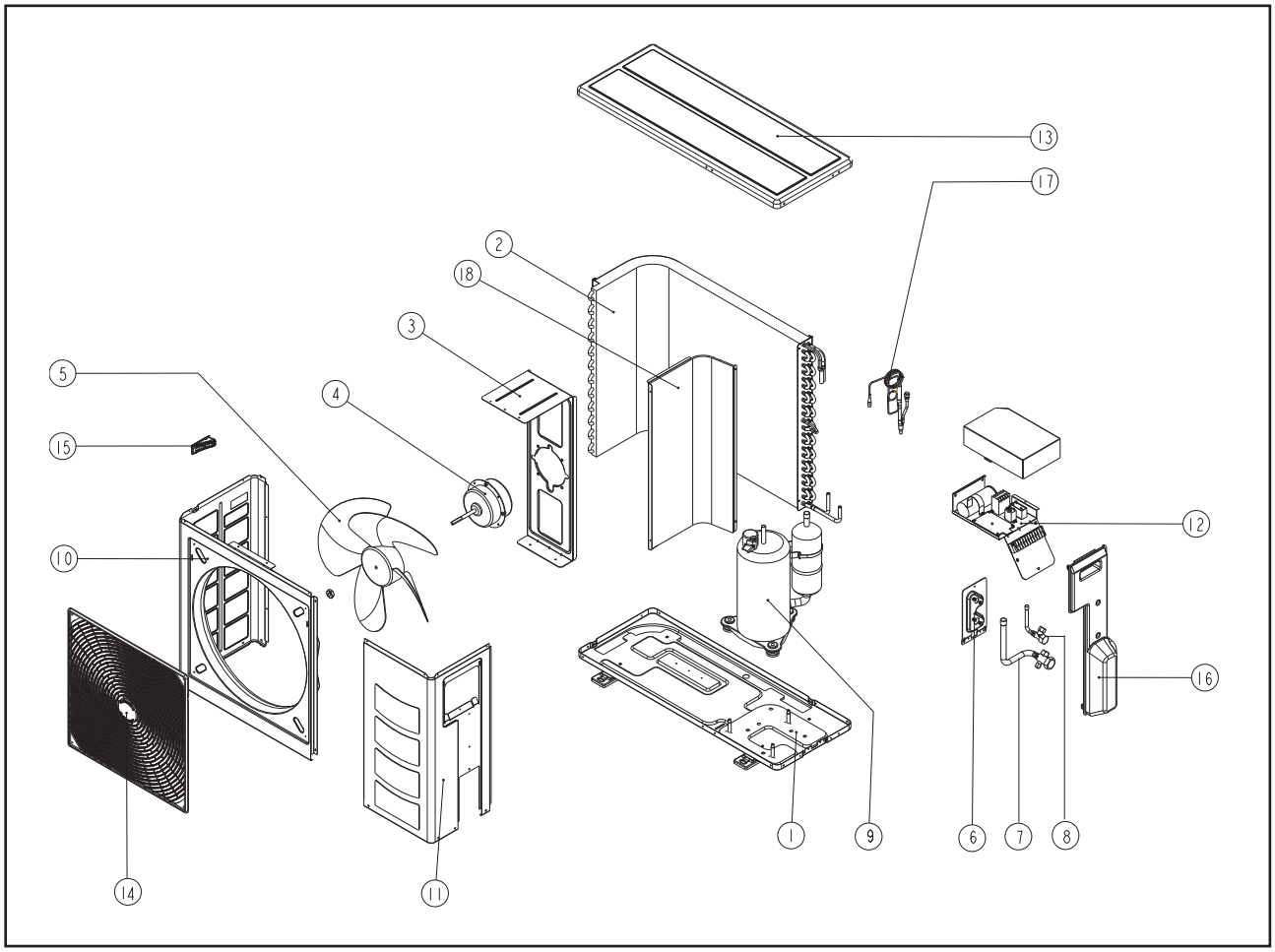


No	Description
1	Assy. Base Pan
2	Assy. Outdoor Coil
3	Bracket, Fan Motor
4	Fan Motor
5	Fan Propeller
6	Assy. Valve Bracket
7	Assy. 3 Ways Valve 1/2”
8	Assy. 2 Ways Valve 1/4”
9	Compressor
10	Front Panel, Left
11	Service Panel
12	Assy. Control Panel

No	Description
13	Top Panel
14	Assy. Front Grille
15	Plastic Handle
16	Assy. Valve Cover
17	Assy. Cap Tube
18	Partition
Parts Not in Diagram	
	Capacitor, Fan Motor
	Phase Protector
	Back Panel, Right
	Valve, Rev 4 Way
	Defrost Thermistor

Note: All exploded view and part list are subjected to change by the manufacturer without prior notice

OUTDOOR UNIT
MODEL: M5LC025/028C/CR (3 phase)



No	Description
1	Assy. Base Pan
2	Assy. Outdoor Coil
3	Bracket, Fan Motor
4	Fan Motor
5	Fan Propeller
6	Assy. Valve Bracket
7	Assy. 3 Ways Valve 5/8”
8	Assy. 2 Ways Valve 1/4”
	M5LC025C/CR
	Assy. 3 Ways Valve 3/8”
	M5LC028C/CR
9	Compressor
10	Front Panel, Left

No	Description
11	Service Panel
12	Assy. Control Panel
13	Top Panel
14	Assy. Front Grille
15	Plastic Handle
16	Assy. Valve Cover
17	Assy. Cap Tube
18	Partition
Parts Not in Diagram	
	Capacitor, Fan Motor
	Phase Protector
	Back Panel, Right
	Valve, Rev 4 Way

Note: All exploded view and part list are subjected to change by the manufacturer without prior notice

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