

TOSHIBA

E17-004

Leading Innovation >>>

Model name:

MMY-MAP_6HT5P

MMY-MAP_6T5P

SMMS
SUPER MODULAR MULTI SYSTEM



**Engineering
Data Book**

Full Version

Notice: Toshiba is committed to continuously improving its products to ensure the highest quality and reliability standards, and to meet local regulations and market requirements. All features and specifications are subject to change without prior notice.









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- Before use, read carefully through the “Safety caution” section to ensure correct operation.
- The important contents concerned to the safety are described in the “Safety cautions”. Be sure to keep them. For Indications and their meanings, see the following description.

■ Warning Indications on the Air Conditioner Unit

Warning indication		Description
	<p>WARNING</p> <p>ELECTRICAL SHOCK HAZARD Disconnect all remote electric power supplies</p>	<p>WARNING</p> <p>ELECTRICAL SHOCK HAZARD Disconnect all remote electric power supplies before servicing.</p>
	<p>WARNING</p> <p>Moving parts. Do not operate unit with grille removed.</p>	<p>WARNING</p> <p>Moving parts. Do not operate unit with grille removed. Stop the unit before the servicing.</p>
	<p>CAUTION</p> <p>High temperature parts. You might get burned when removing this panel.</p>	<p>CAUTION</p> <p>High temperature parts. You might get burned when removing this panel.</p>
	<p>CAUTION</p> <p>Do not touch the aluminum fins of the unit. Doing so may result in injury.</p>	<p>CAUTION</p> <p>Do not touch the aluminium fins of the unit. Doing so may result in injury.</p>
	<p>CAUTION</p> <p>BURST HAZARD Open the service valves before the operation,</p>	<p>CAUTION</p> <p>BURST HAZARD Open the service valves before the operation, otherwise there might be the burst.</p>
	<p>CAUTION</p> <p>Do not climb onto the fan guard. Doing so may result in</p>	<p>CAUTION</p> <p>Do not climb onto the fan guard. Doing so may result in injury.</p>

■ **Explanation of indications**

 **WARNING**

Indicates possibilities that a death or serious injury of personnel is caused by an incorrect handling.

 **CAUTION**

Indicates contents that an injury (*1) or property damage (*2) only may be caused when an incorrect work has been executed.

*1: "Injury" means a hurt, a burn, or an electric shock which does not require hospitalization or a long-term going to the hospital.

*2: "Property damage means an enlarged damage concerned to property, or breakage of materials.

- **After installation work has finished, check there is no trouble by a test operation, and explain using method and maintenance method to the customers based on the Owner's Manual.**

Please ask the customers to keep this Installation Manual together with the Owner's Manual.

 **WARNING**

Ask a shop or a professional dealer to install the air conditioner.

If you will install by yourself, a fire, an electric shock, or water leak is caused.

Take measures so that the refrigerant does not exceed the limit concentration even if it leaks when installing the air conditioner in a small room.

For the measures not to exceed the limit of concentration, contact the dealer. If the refrigerant leaks and it exceeds the limit of concentration, an accident of oxygen shortage is caused.

Install the air conditioner at a place which is satisfactorily bearable to weight.

If strength is insufficient, the unit may fall down resulting in human injury.

Perform a specified installation work against a strong wind such as typhoon or earthquake.

If the air conditioner is imperfectly installed, an accident by falling or dropping may be caused.

If refrigerant gas leaks during installation work, ventilate the room.

If the leaked refrigerant gas approaches to fire, noxious gas may generate.

After installation work, confirm that refrigerant gas does not leak.

If refrigerant gas leaks in the room, and approaches to fire such as fan heater, stove or kitchen range, generation of noxious gas may be caused.

Never recover refrigerant in the outdoor unit.

Be sure to use a refrigerant recovery device to recover refrigerant in reinstallation or repair work.

Recovery of refrigerant in the outdoor unit is unavailable; otherwise a serious accident such as crack or human injury is caused.

A person qualified for the electric work should deal with the electric construction conforming to the regulations of the local electric company and the Installation Manual. Be sure to use the exclusive circuit.

If there is capacity shortage of the power supply circuit or incomplete installation, a fire or an electric shock is caused.

For cabling, use the specified cables and connect them securely so that external force of cable does not transmit to the terminal connecting section.

If connection or fixing is incomplete, a fire, etc. may be caused.

Be sure to connect earth wire.

Do not connect earth wire to gas pipe, water pipe, lightning rod, nor earth wire of telephone.

If grounding is incomplete, an electric shock is caused.

 **CAUTION**

Do not install the air conditioner at a place where combustible gas may leak.

If gas leaks and is collected at surrounding the unit, the production of fire may be caused.

Be sure to attach an earth leakage breaker; otherwise an electric shock may be caused.

Using a torque wrench, tighten the flare nut in the specified method.

If the flare nut is exceedingly tightened, the flare nut is broken and a refrigerant leakage may be caused after a long time has passed.

WARNINGS ON REFRIGERANT LEAKAGE

Check of Concentration Limit

The room in which the air conditioner is to be installed requires a design that in the event of refrigerant gas leaking out, its concentration will not exceed a set limit.

The refrigerant R410A which is used in the air conditioner is safe, without the toxicity or combustibility of ammonia, and is not restricted by laws to be imposed which protect the ozone layer. However, since it contains more than air, it poses the risk of suffocation if its concentration should rise excessively.

Suffocation from leakage of R410A is almost nonexistent. With the recent increase in the number of high concentration buildings, however, the installation of multi air conditioner systems is on the increase because of the need for effective use of floor space, individual control, energy conservation by curtailing heat and carrying power etc.

Most importantly, the multi air conditioner system is able to replenish a large amount of refrigerant compared with conventional individual air conditioners. If a single unit of the multi conditioner system is to be installed in a small room, select a suitable model and installation procedure so that if the refrigerant accidentally leaks out, its concentration does not reach the limit (and in the event of an emergency, measures can be made before injury can occur).

In a room where the concentration may exceed the limit, create an opening with adjacent rooms, or install mechanical ventilation combined with a gas leak detection device.

The concentration is as given below.

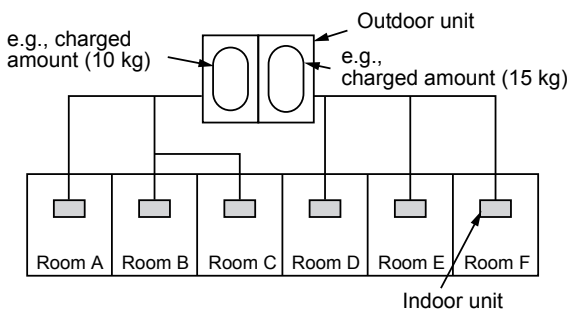
$$\frac{\text{Total amount of refrigerant (kg)}}{\text{Min. volume of the indoor unit installed room (m}^3\text{)}} \leq \text{Concentration limit (kg/m}^3\text{)}$$

Concentration limit

Compliance to the local applicable regulations and standards for the concentration limit is required.

NOTE 1:

If there are 2 or more refrigerating systems in a single refrigerating device, the amounts of refrigerant should be as charged in each independent device.



For the amount of charge in this example:

The possible amount of leaked refrigerant gas in rooms A, B and C is 10 kg.

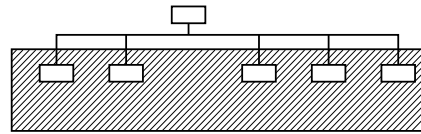
The possible amount of leaked refrigerant gas in rooms D, E and F is 15 kg.

Important

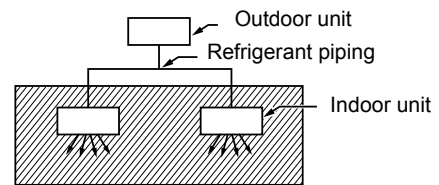
NOTE 2:

The standards for minimum room volume are as follows.

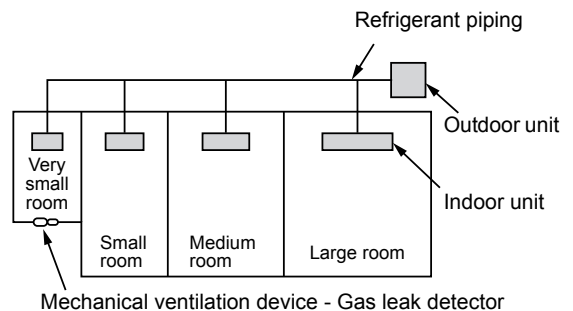
- (1) No partition (shaded portion)



- (2) When there is an effective opening with the adjacent room for ventilation of leaking refrigerant gas (opening without a door, or an opening 0.15 % or larger than the respective floor spaces at the top or bottom of the door).

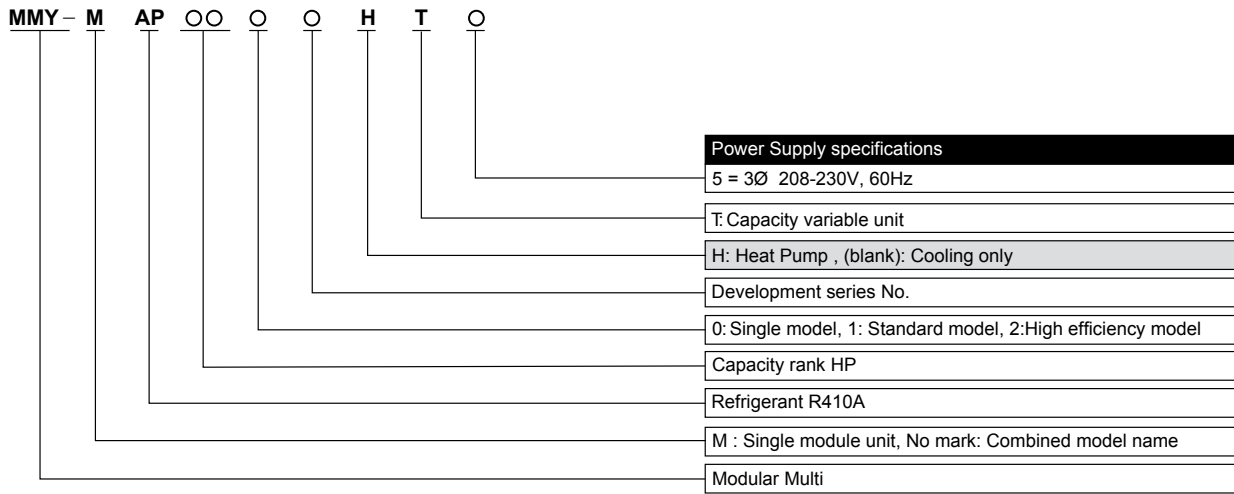


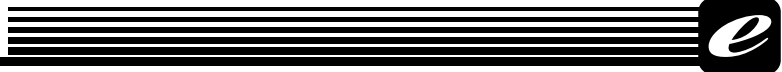
- (3) If an indoor unit is installed in each partitioned room and the refrigerant tubing is interconnected, the smallest room of course becomes the object. But when a mechanical ventilation is installed interlocked with a gas leakage detector in the smallest room where the density limit is exceeded, the volume of the next smallest room becomes the object.





1-1. Allocation standard of model name SMMS-e





1-2. Summay of system equipments

1-2-1. Outdoor units

Heat pump model

Standard model

Corresponding HP	8HP	10HP	12HP	14HP	16HP	18HP	20HP
Model name MMY-	MAP0806HT5P	MAP1006HT5P	MAP1206HT5P	MAP1406HT5P	MAP1606HT5P	MAP1806HT5P	MAP2006HT5P
Power supply	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz
Cooling capacity (kW)	22.4	28.0	33.5	40.0	45.0	50.4	56.0
Heating capacity (kW)	25.0	31.5	37.5	45.0	50.0	56.0	63.0
No. of connectable indoor	13	16	20	23	27	30	33

Corresponding HP	22HP	24HP	26HP	28HP	30HP	32HP	34HP
Combined Model MMY-	AP2216HT5P	AP2416HT5P	AP2616HT5P	AP2816HT5P	AP3016HT5P	AP3216HT5P	AP3416HT5P
Power supply	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz
Cooling capacity (kW)	61.5	67.0	73.5	78.5	85.0	90.0	95.4
Heating capacity (kW)	69.0	75.0	82.5	87.5	95.0	100.0	106.0
Combined outdoor units	12HP	12HP	14HP	16HP	16HP	16HP	18HP
	10HP	12HP	12HP	12HP	14HP	16HP	16HP
No. of connectable indoor	37	40	43	47	50	54	57

Corresponding HP	36HP	38HP	40HP	42HP	44HP	46HP	48HP
Combined Model MMY-	AP3616HT5P	AP3816HT5P	AP4016HT5P	AP4216HT5P	AP4416HT5P	AP4616HT5P	AP4816HT5P
Power supply	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz
Cooling capacity (kW)	101.0	106.4	112.0	118.5	123.5	130.0	135.0
Heating capacity (kW)	113.0	119.0	126.0	132.5	137.5	145.0	150.0
Combined outdoor units	20HP	20HP	20HP	16HP	16HP	16HP	16HP
	16HP	18HP	20HP	14HP	16HP	16HP	16HP
	-	-	-	12HP	12HP	14HP	16HP
No. of connectable indoor	60	64	64	64	64	64	64

Corresponding HP	50HP	52HP	54HP	56HP
Combined Model MMY-	AP5016HT5P	AP5216HT5P	AP5416HT5P	AP5616HT5P
Power supply	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz
Cooling capacity (kW)	140.4	146.0	152.0	157.0
Heating capacity (kW)	156.0	163.0	171.0	176.0
Combined outdoor units	18HP	20HP	20HP	20HP
	16HP	16HP	20HP	20HP
	16HP	16HP	14HP	16HP
No. of connectable indoor	64	64	64	64

High efficiency model

Corresponding HP	20HP	36HP	38HP	40HP
Combined Model MMY-	AP2026HT5P	AP3626HT5P	AP3826HT5P	AP4026HT5P
Power supply	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz
Cooling capacity (kW)	56.0	100.5	107.0	113.5
Heating capacity (kW)	63.0	112.5	120.0	127.5
Combined outdoor units	10HP	12HP	14HP	14HP
	10HP	12HP	12HP	14HP
	-	12HP	12HP	12HP
No. of connectable indoor	33	60	64	64



Cooling only model

Standard model

Corresponding HP	8HP	10HP	12HP	14HP	16HP	18HP	20HP
Model name MMY-	MAP0806T5P	MAP1006T5P	MAP1206T5P	MAP1406T5P	MAP1606T5P	MAP1806T5P	MAP2006T5P
Power supply	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz
Cooling capacity (kW)	22.4	28.0	33.5	40.0	45.0	50.4	56.0
No. of connectable indoor	17	18	20	25	27	33	35

Corresponding HP	22HP	24HP	26HP	28HP	30HP	32HP	34HP
Combined Model MMY-	AP2216T5P	AP2416T5P	AP2616T5P	AP2816T5P	AP3016T5P	AP3216T5P	AP3416T5P
Power supply	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz
Cooling capacity (kW)	61.5	67.0	73.5	78.5	85.0	90.0	95.4
Combined outdoor units	12HP	12HP	14HP	16HP	16HP	16HP	18HP
	10HP	12HP	12HP	12HP	14HP	16HP	16HP
No. of connectable indoor	38	40	45	47	52	54	59

Corresponding HP	36HP	38HP	40HP	42HP	44HP	46HP	48HP
Combined Model MMY-	AP3616T5P	AP3816T5P	AP4016T5P	AP4216T5P	AP4416T5P	AP4616T5P	AP4816T5P
Power supply	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz
Cooling capacity (kW)	101.0	106.4	112.0	118.5	123.5	130.0	135.0
Combined outdoor units	20HP	20HP	20HP	16HP	16HP	16HP	16HP
	16HP	18HP	20HP	14HP	16HP	16HP	16HP
	-	-	-	12HP	12HP	14HP	16HP
No. of connectable indoor	62	64	64	64	64	64	64

Corresponding HP	50HP	52HP	54HP	56HP
Combined Model MMY-	AP5016T5P	AP5216T5P	AP5416T5P	AP5616T5P
Power supply	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz
Cooling capacity (kW)	140.4	146.0	152.0	157.0
Combined outdoor units	18HP	20HP	20HP	20HP
	16HP	16HP	20HP	20HP
	16HP	16HP	14HP	16HP
No. of connectable indoor	64	64	64	64

High efficiency model

Corresponding HP	20HP	36HP	38HP	40HP
Combined Model MMY-	AP2026T5P	AP3626T5P	AP3826T5P	AP4026T5P
Power supply	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz	3 phase 208~230V,60Hz
Cooling capacity (kW)	56.0	100.5	107.0	113.5
Combined outdoor units	10HP	12HP	14HP	14HP
	10HP	12HP	12HP	14HP
	-	12HP	12HP	12HP
No. of connectable indoor	37	60	64	64

1-2-2. Indoor units

Type	Appearance	Model name	Capacity rank	Capacity code	Cooling capacity (kW)	Heating capacity (kW)
4-way Air Discharge Cassette Type		MMU-AP0094HP1-E	009 type	1.00	2.8	3.2
		MMU-AP0124HP1-E	012 type	1.25	3.6	4.0
		MMU-AP0154HP1-E	015 type	1.70	4.5	5.0
		MMU-AP0184HP1-E	018 type	2.00	5.6	6.3
		MMU-AP0244HP1-E	024 type	2.50	7.1	8.0
		MMU-AP0274HP1-E	027 type	3.00	8.0	9.0
		MMU-AP0304HP1-E	030 type	3.20	9.0	10.0
		MMU-AP0364HP1-E	036 type	4.00	11.2	12.5
		MMU-AP0484HP1-E	048 type	5.00	14.0	16.0
		MMU-AP0564HP1-E	056 type	6.00	16.0	18.0
Compact 4-way Cassette (600 x 600) Type		MMU-AP0077MH-E	007 type	0.80	2.2	2.5
		MMU-AP0097MH-E	009 type	1.00	2.8	3.2
		MMU-AP0127MH-E	012 type	1.25	3.6	4.0
		MMU-AP0157MH-E	015 type	1.70	4.5	5.0
		MMU-AP0187MH-E	018 type	2.00	5.6	6.3
2-way Air Discharge Cassette Type		MMU-AP0072WH1	007 type	0.80	2.2	2.5
		MMU-AP0092WH1	009 type	1.00	2.8	3.2
		MMU-AP0122WH1	012 type	1.25	3.6	4.0
		MMU-AP0152WH1	015 type	1.70	4.5	5.0
		MMU-AP0182WH1	018 type	2.00	5.6	6.3
		MMU-AP0242WH1	024 type	2.50	7.1	8.0
		MMU-AP0272WH1	027 type	3.00	8.0	9.0
		MMU-AP0302WH1	030 type	3.20	9.0	10.0
		MMU-AP0362WH1	036 type	4.00	11.2	12.5
		MMU-AP0482WH1	048 type	5.00	14.0	16.0
1-way Air Discharge Cassette Type		MMU-AP0074YH1	007 type	0.80	2.2	2.5
		MMU-AP0094YH1	009 type	1.00	2.8	3.2
		MMU-AP0124YH1	012 type	1.25	3.6	4.0
		MMU-AP0154SH1-E	015 type	1.70	4.5	5.0
		MMU-AP0184SH1-E	018 type	2.00	5.6	6.3
		MMU-AP0244SH1-E	024 type	2.50	7.1	8.0
Concealed Duct Type		MMD-AP0076BHP1-E	007 type	0.80	2.2	2.5
		MMD-AP0096BHP1-E	009 type	1.00	2.8	3.2
		MMD-AP0126BHP1-E	012 type	1.25	3.6	4.0
		MMD-AP0156BHP1-E	015 type	1.70	4.5	5.0
		MMD-AP0186BHP1-E	018 type	2.00	5.6	6.3
		MMD-AP0246BHP1-E	024 type	2.50	7.1	8.0
		MMD-AP0276BHP1-E	027 type	3.00	8.0	9.0
		MMD-AP0306BHP1-E	030 type	3.20	9.0	10.0
		MMD-AP0366BHP1-E	036 type	4.00	11.2	12.5
		MMD-AP0486BHP1-E	048 type	5.00	14.0	16.0
Concealed Duct High Static Pressure Type		MMD-AP0186HP1-E	018 type	2.00	5.6	6.3
		MMD-AP0246HP1-E	024 type	2.50	7.1	8.0
		MMD-AP0276HP1-E	027 type	3.00	8.0	9.0
		MMD-AP0366HP1-E	036 type	4.00	11.2	12.5
		MMD-AP0486HP1-E	048 type	5.00	14.0	16.0
		MMD-AP0566HP1-E	056 type	6.00	16.0	18.0
		MMD-AP0726HP-E	072 type	8.00	22.4	25.0
		MMD-AP0966HP-E	096 type	10.00	28.0	31.5

1 System overview



Type	Appearance	Model name	Capacity rank	Capacity code	Cooling capacity (kW)	Heating capacity (kW)
Slim Duct Type		MMD-AP0074SPH1-E	007 type	0.80	2.2	2.5
		MMD-AP0094SPH1-E	009 type	1.00	2.8	3.2
		MMD-AP0124SPH1-E	012 type	1.25	3.6	4.0
		MMD-AP0154SPH1-E	015 type	1.70	4.5	5.0
		MMD-AP0184SPH1-E	018 type	2.00	5.6	6.3
		MMD-AP0244SPH1-E	024 type	2.50	7.1	8.0
		MMD-AP0274SPH1-E	027 type	3.00	8.0	9.0
Ceiling Type		MMC-AP0158HP-E	015 type	1.70	4.5	5.0
		MMC-AP0188HP-E	018 type	2.00	5.6	6.3
		MMC-AP0248HP-E	024 type	2.50	7.1	8.0
		MMC-AP0278HP-E	027 type	3.00	8.0	9.0
		MMC-AP0368HP-E	036 type	4.00	11.2	12.5
		MMC-AP0488HP-E	048 type	5.00	14.0	16.0
		MMC-AP0568HP-E	056 type	6.00	16.0	18.0
High Wall Type 7series		MMK-AP0077HP-E	007 type	0.80	2.0	2.5
		MMK-AP0097HP-E	009 type	1.00	3.0	3.2
		MMK-AP0127HP-E	012 type	1.30	3.6	4.0
High-wall Type 3 series		MMK-AP0073H1	007 type	0.80	2.0	2.5
		MMK-AP0093H1	009 type	1.00	3.0	3.2
		MMK-AP0123H1	012 type	1.30	3.6	4.0
		MMK-AP0153H1	015 type	1.70	4.5	5.0
		MMK-AP0183H1	018 type	2.00	5.6	6.3
		MMK-AP0243H1	024 type	2.50	7.1	8.0
Floor Standing Concealed Type		MML-AP0074BH1-E	007 type	0.80	2.2	2.5
		MML-AP0094BH1-E	009 type	1.00	2.8	3.2
		MML-AP0124BH1-E	012 type	1.25	3.6	4.0
		MML-AP0154BH1-E	015 type	1.70	4.5	5.0
		MML-AP0184BH1-E	018 type	2.00	5.6	6.3
Floor Standing Cabinet Type		MML-AP0074H1-E	007 type	0.80	2.2	2.5
		MML-AP0094H1-E	009 type	1.00	2.8	3.2
		MML-AP0124H1-E	012 type	1.25	3.6	4.0
		MML-AP0154H1-E	015 type	1.70	4.5	5.0
		MML-AP0184H1-E	018 type	2.00	5.6	6.3
Console Type		MML-AP0074NH1-E	007 type	0.80	2.2	2.5
		MML-AP0094NH1-E	009 type	1.00	2.8	3.2
		MML-AP0124NH1-E	012 type	1.25	3.6	4.0
		MML-AP0154NH1-E	015 type	1.70	4.5	5.0
		MML-AP0184NH1-E	018 type	2.00	5.6	6.3
Floor Standing Type		MMF-AP0156H1-E	015 type	1.70	4.5	5.0
		MMF-AP0186H1-E	018 type	2.00	5.6	6.3
		MMF-AP0246H1-E	024 type	2.50	7.1	8.0
		MMF-AP0276H1-E	027 type	3.00	8.0	9.0
		MMF-AP0366H1-E	036 type	4.00	11.2	12.5
		MMF-AP0486H1-E	048 type	5.00	14.0	16.0
Fresh Air Intake Indoor unit Type		MMF-AP0566H1-E	056 type	6.00	16.0	18.0
		MMD-AP0481HFE	048 type	5.00	14.0	8.9
		MMD-AP0721HFE	071 type	8.00	22.4	13.9
Air to Air Heat exchanger with DX-coil Type		MMD-AP0961HFE	096 type	10.00	28.0	17.4
		MMD-VN502HEX1E	009 type	1.00	4.10	5.53
		MMD-VN802HEX1E	015 type	1.70	6.56	8.61
		MMD-VN1002HEX1E2	018 type	2.00	8.25	10.92

Dx-coil interface (TA control)

Dx-coil interface (DDC Control)

*Large Capacity Floor Standing Type is ASIA market only.

1-2-3. Branching joints and headers

Name	Model Name	Remarks
Y-shape branching joint	RBM-BY55E RBM-BY105E RBM-BY205E RBM-BY305E	
4-branching header	RBM-HY1043E RBM-HY2043E	
8-branching header	RBM-HY1083E RBM-HY2083E	
Branching joint for connection of outdoor units	RBM-BT14E RBM-BT24E	

1-2-4. Remote controllers

Name	Model Name	Remarks
Wired remote controller	RBC-AMT32E RBC-AMS54E-EN/ES	-EN : English, Italian, Polish, Greece, Russian, Turkish -ES : English, Spanish, Portuguese, French, Dutch, German
Simple wired remote controller	RBC-AS41E	
Wireless remote controller kit	RBC-AX32U(W)-E RBC-AX32U(WS)-E	For 4-way Air Discharge Cassette
	RBC-AX32CE2	For Under Ceiling, 1-way Air Discharge Cassette SH
	TCB-AX32E2	For 1-way Air Discharge Cassette YH, Concealed Duct Standard, Slim Duct, Floor Standing Cabinet, Floor Standing
	RBC-AX23UW(W)-E	For 2-way Air Discharge Cassette
	RBC-AX32UM(W)-E	For Compact 4-way Cassette
ON-OFF controller	TCB-CC163TLE2	
Central remote controller	BMS-CM1280TLE	
Schedule timer	TCB-EXS21TLE	
Remote controller with schedule timer (7-day timer function)	RBC-AMS41E	
Wired remote controller for Air to Air Heat Exchanger with DX coil unit	NRC-01HE	For Air to Air Heat Exchanger with DX coil type

1-2-5. Optional PCB of outdoor unit

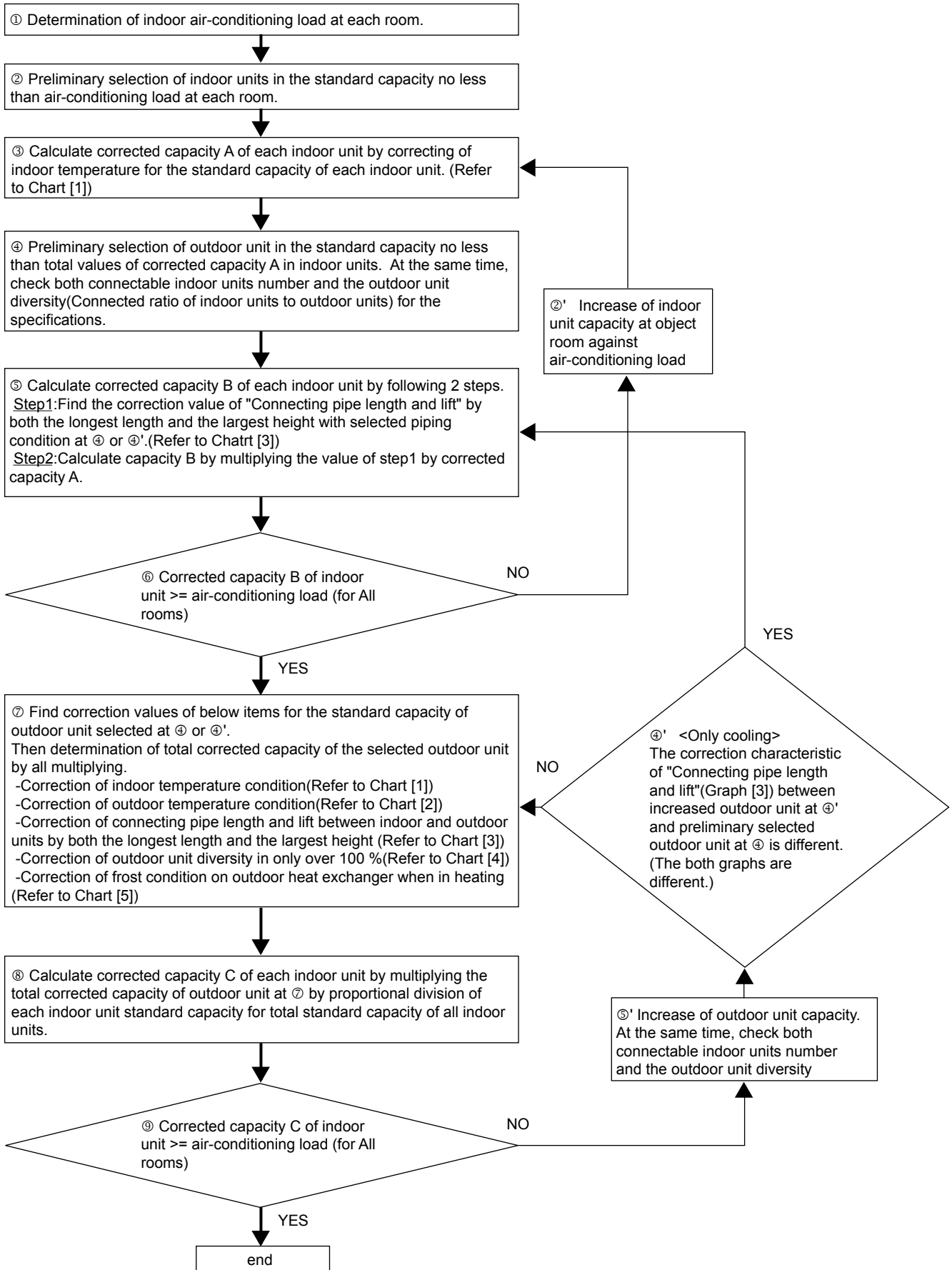
Name	Model Name	Remarks
Power peak-cut control board	TCB-PCDM4E	
External master ON/OFF control board	TCB-PCMO4E	
Output control board	TCB-PCIN4E	

1-2-6. Controls

Name	Model Name	Remarks
Touch Screen Controller	BMS-CT5121E	
Smart BMS manager	BMS-SM1280HTLE	
Smart BMS manager with data analyzer	BMS-SM1281ETLE	
Relay Interface	BMS-IFLSV4E	
Energy Monitoring Relay Interface	BMS-IFWH5E	
Digital I/O Relay Interface	BMS-IFDD03E	
LonWorks LN Interface	TCB-IFLN642TLE	
BACnet Server	BMS-LSV9E BMS-STBN10E	
Modbus Interface	TCB-IFMB641TLE	
Analog Interface	TCB-IFCB640TLE	
BN Interface	BMS-IFBN640TLE	



2-1. Selection flow chart





2-2. Combination conditions for indoor unit and outdoor unit

Indoor unit can connect more than 50% of Outdoor unit capacity. Maximum connection is below.
 IF Fresh air intake indoor units or air-to-air heat exchanger with DX-coil units be connected, Indoor unit can connect more than 80% of Outdoor unit capacity. Maximum connection is below.

NOTE:

- *1 Height difference between indoor unit over 15 m, combinations for indoor and outdoor unit is 50% to 105%.
- *2 For the fresh air intake units, up to 2 units for one system and also within 30% to capacity of the connectable indoor air conditioners are allowed.
- *3 Height difference between indoor unit over 15 m, combinations for indoor and outdoor unit is 80% to 105%.

Standard model

Model name	System capacity	Combination				Heat pump model (MMY-MAP_6HT5P) Max.connection capacity			Cooling only model (MMY-MAP_6T5P) Max.connection capacity		
	HP	HP	HP	HP	Normal (*1)	Fresh air (*2)	DX-coil (*3)	Normal (*1)	Fresh air (*2)	DX-coil (*3)	
MMY-MAP0806*	8				135%	100%	135%	170%	100%	135%	
MMY-MAP1006*	10							150%			
MMY-MAP1206*	12							135%			
MMY-MAP1406*	14							145%			
MMY-MAP1606*	16							135%			
MMY-MAP1806*	18							150%			
MMY-MAP2006*	20							140%			
MMY-AP2216*	22	12	10					140%			
MMY-AP2416*	24	12	12					135%			
MMY-AP2616*	26	14	12					140%			
MMY-AP2816*	28	16	12					135%			
MMY-AP3016*	30	16	14					140%			
MMY-AP3216*	32	16	16					135%			
MMY-AP3416*	34	18	16					140%			
MMY-AP3616*	36	20	16					140%			
MMY-AP3816*	38	20	18					145%			
MMY-AP4016*	40	20	20					140%			
MMY-AP4216*	42	16	14	12				140%			
MMY-AP4416*	44	16	16	12				135%			
MMY-AP4616*	46	16	16	14				140%			
MMY-AP4816*	48	16	16	16				135%			
MMY-AP5016*	50	18	16	16				140%			
MMY-AP5216*	52	20	16	16				135%			
MMY-AP5416*	54	20	20	14				145%			
MMY-AP5616*	56	20	20	16				140%			

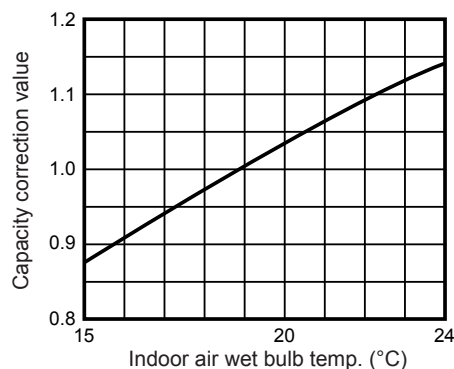
High efficiency model

Model name	System capacity	Combination				Heat pump model (MMY-MAP_6HT5P) Max.connection capacity			Cooling only model (MMY-MAP_6T5P) Max.connection capacity		
	HP	HP	HP	HP	Normal (*1)	Fresh air (*2)	DX-coil (*3)	Normal (*1)	Fresh air (*2)	DX-coil (*3)	
MMY-AP2026*	20	10	10		135%	100%	135%	150%	100%	135%	
MMY-AP3626*	36	12	12	12				135%			
MMY-AP3826*	38	14	12	12				140%			
MMY-AP4026*	40	14	14	12				140%			

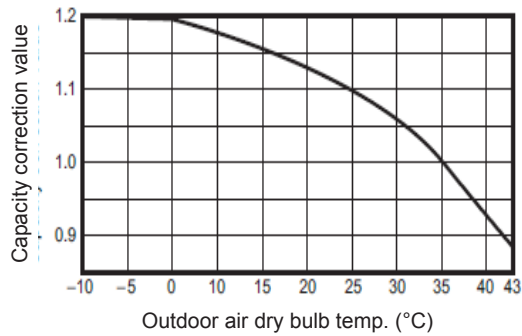
2-3. Cooling/heating capacity characteristics

2-3-1. Correction charts for cooling capacity calculation

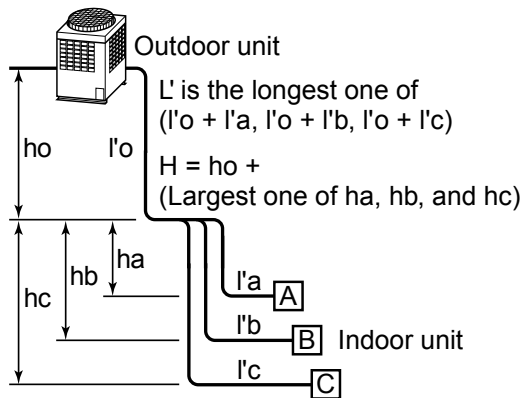
[1] Indoor air wet bulb temperature vs. capacity correction value



[2] Outdoor air dry bulb temperature vs. capacity correction value



[3] Connecting pipe length and lift difference between indoor and outdoor units vs. capacity correction value



Heat pump model & Cooling only model

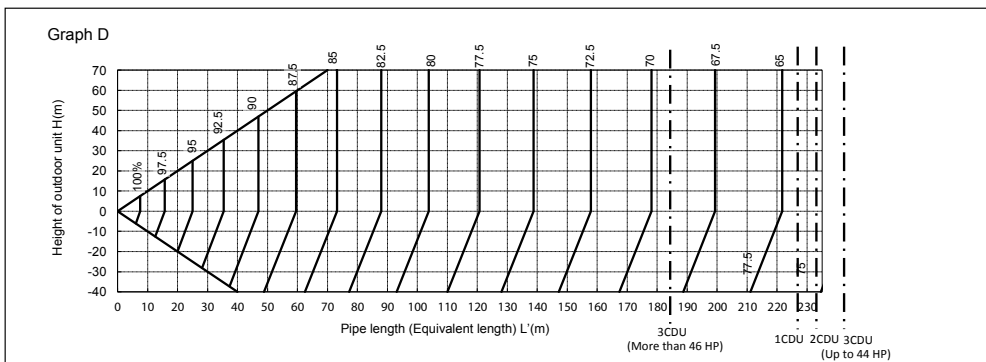
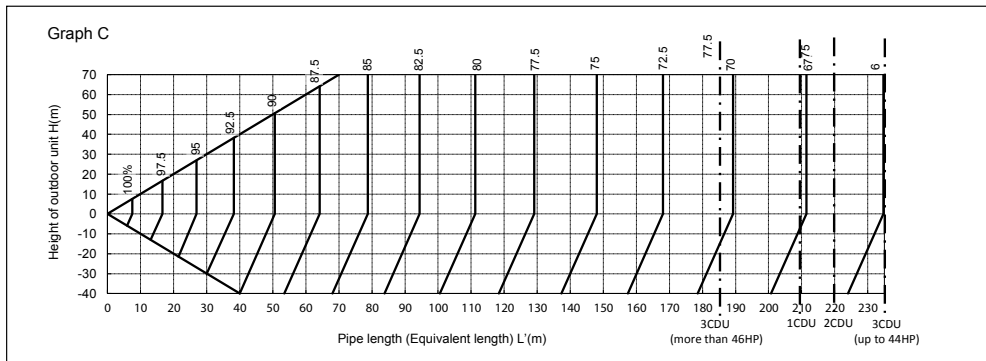
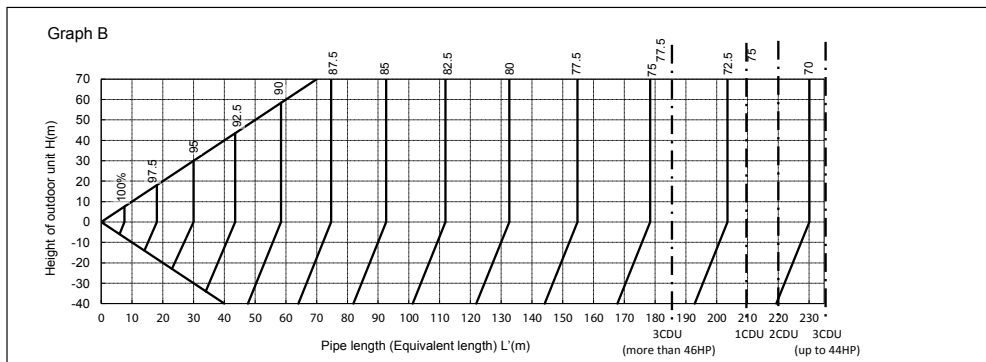
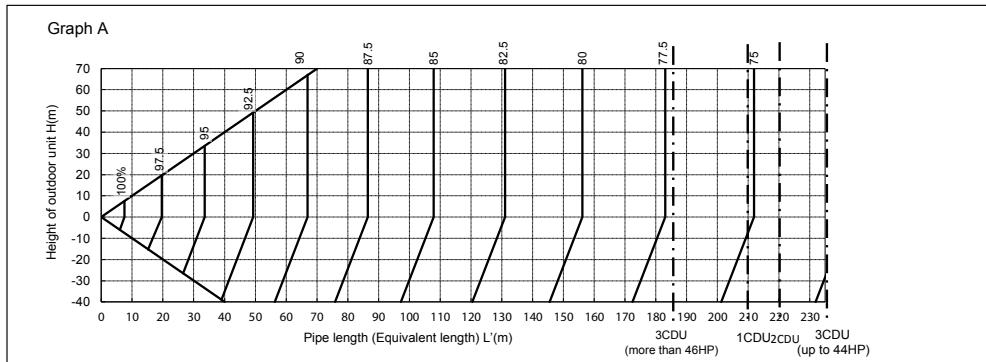
Capacity HP	Graph	Standard model		High efficiency model	
		Combination HP	Pipe length [m]	Combination HP	Pipe length [m]
8	D	8	210		
10	C	10	210		
12	A	12	210		
14	A	14	210		
16	B	16	210		
18	C	18	210		
20	C	20	210	10+10	220
22	C	12+10	220		
24	A	12+12	220		
26	B	14+12	220		
28	B	16+12	220		
30	B	16+14	220		
32	C	16+16	220		
34	C	18+16	220		
36	A	20+16	220	12+12+12	235
38	A	20+18	220	14+12+12	235
40	B	20+20	220	14+14+12	235
42	B	16+14+12	235		
44	B	16+16+12	235		
46	B	16+16+14	185		
48	C	16+16+16	185		
50	C	18+16+16	185		
52	C	20+16+16	185		
54	E	20+20+14	185		
56	E	20+20+16	185		

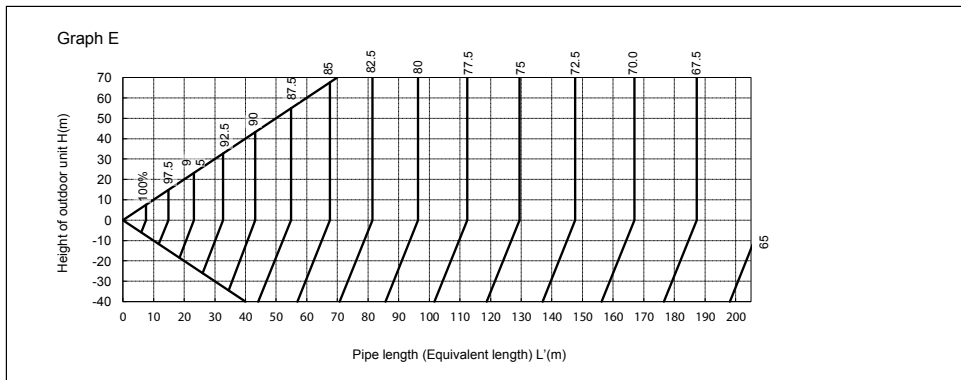
*1CDU=210

*2CDU=220

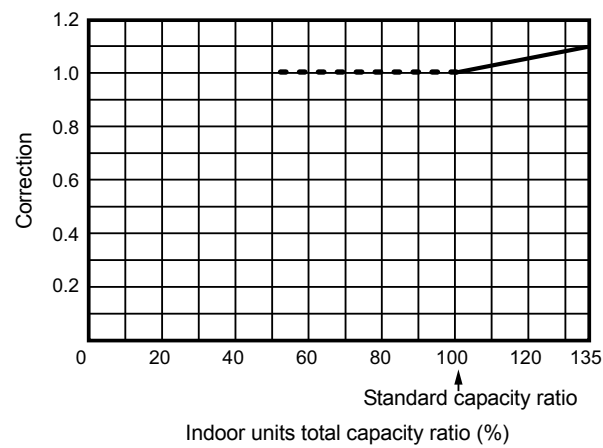
*3CDU (up to 44HP)=235

*3CDU (more than 46HP)=185





[4]* Correction of outdoor unit diversity

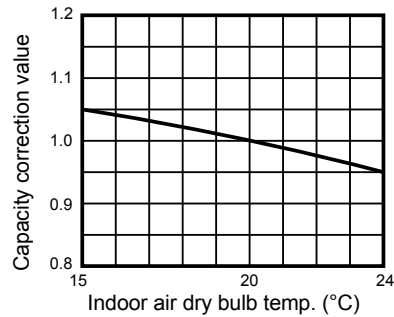


*: Coefficient to use for the correction of the outdoor unit capacity when the total capacity of the indoor units are not equal to the outdoor unit capacity.

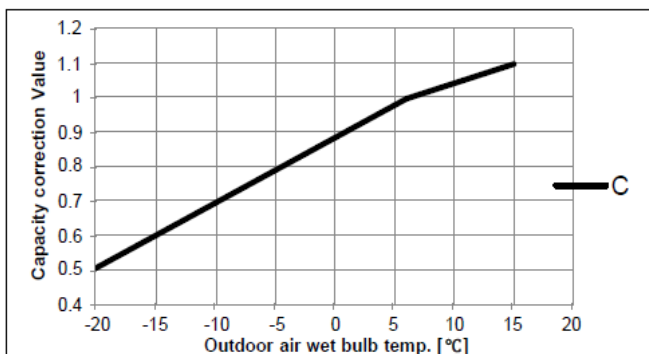
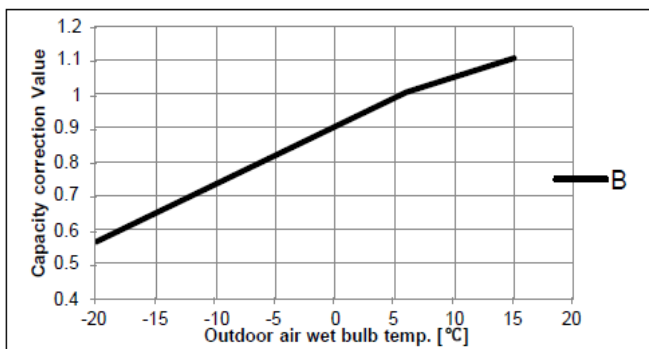
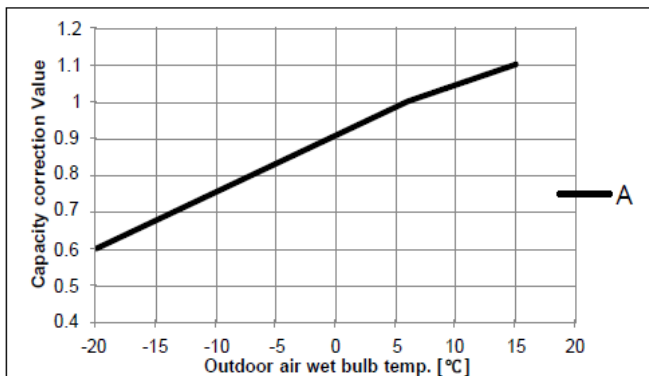


2-3-2. Correction charts for heating capacity calculation

[1] Indoor air dry bulb temperature vs. capacity correction value



[2] Outdoor air wet bulb temperature vs. capacity correction value

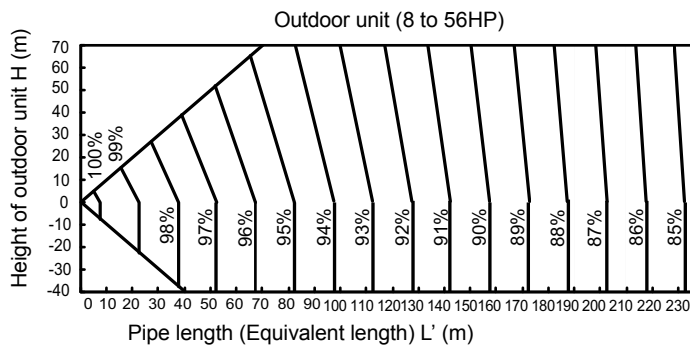
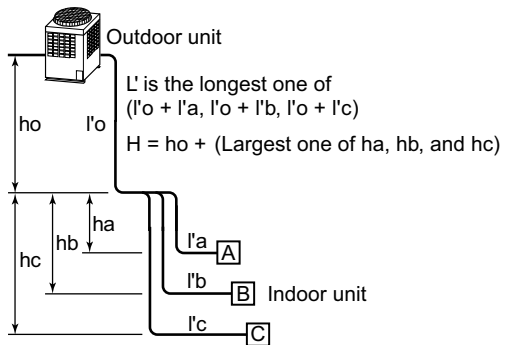


Capacity HP	Standard model		High efficiency model	
	Graph	Combination HP	Graph	Combination HP
8	A	8		
10	B	10		
12	C	12		
14	B	14		
16	C	16		
18	B	18		
20	C	20	B	10+10
22	C	12+10		
24	C	12+12		
26	C	14+12		
28	C	16+12		
30	C	16+14		
32	C	16+16		
34	C	18+16		
36	C	20+16	C	12+12+12
38	C	20+18	C	14+12+12
40	C	20+20	B	14+14+12
42	C	16+14+12		
44	C	16+16+12		
46	C	16+16+14		
48	C	16+16+16		
50	C	18+16+16		
52	C	20+16+16		
54	C	20+20+14		
56	C	20+20+16		



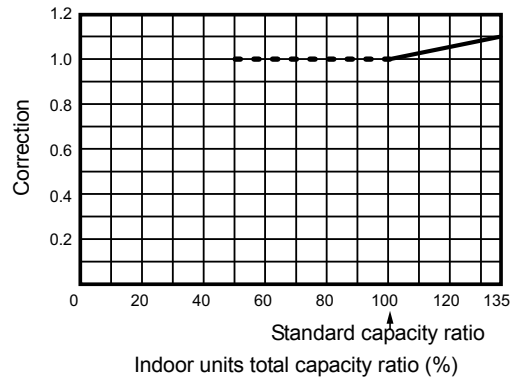
2-3-2. Correction charts for heating capacity calculation

[3] Connecting pipe length and lift difference between indoor and outdoor units vs. capacity correction value





[4]* Correction of outdoor unit diversity



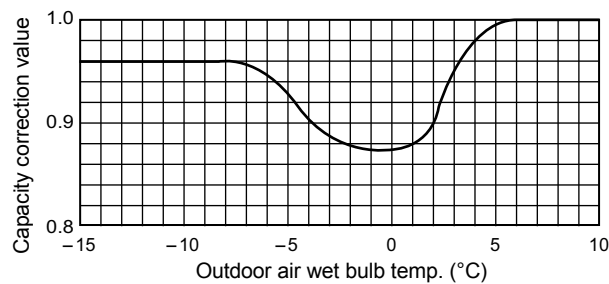
*: Coefficient to use for the correction of the outdoor unit capacity when the total capacity of the indoor units are not equal to the outdoor unit capacity.

2-3-3. Capacity correction in case of frost on the outdoor heat exchanger when in heating

Correct the heating capacity when frost can be found on the outdoor heat exchanger.

Heating capacity = Capacity after correction of outdoor unit x Correction value of capacity resulted from frost
 (Capacity after correction of outdoor unit: Heating capacity calculated in the above item 2.)

[5] Capacity correction in case of frost on the outdoor heat exchanger

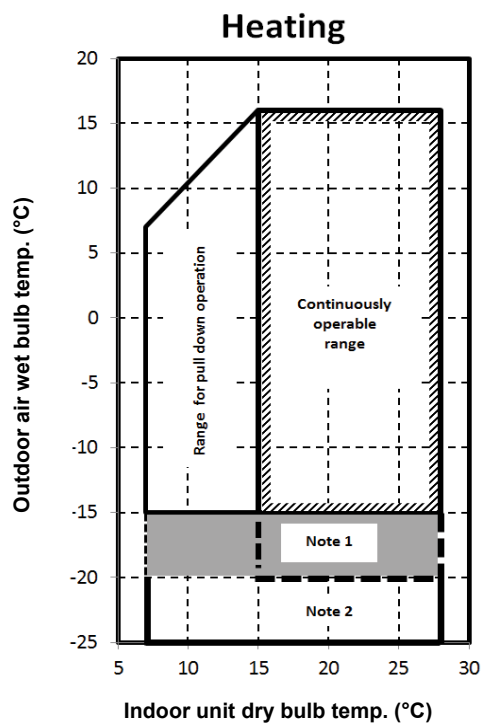
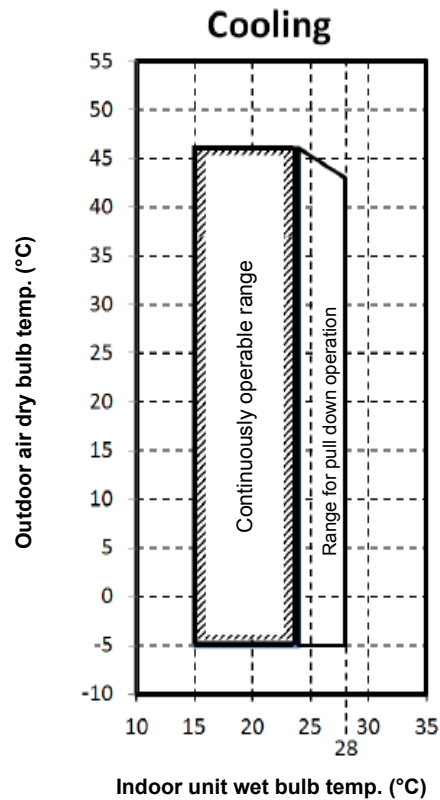


2-3-4. Rated conditions

Cooling: Indoor air temperature 27 °C DB / 19 °C WB, Outdoor air temperature 35 °C DB

Heating: Indoor air temperature 20 °C DB, Outdoor air temperature 7 °C DB / 6 °C WB

2-4. Operational temperature range



Note 1: The unit will operate down to an outdoor temperature of -25°C, however considerable performance decrease will be expected below -15°C. Therefore please consider installation location/surroundings and system design when expected to operate between -15°C and -20°C.

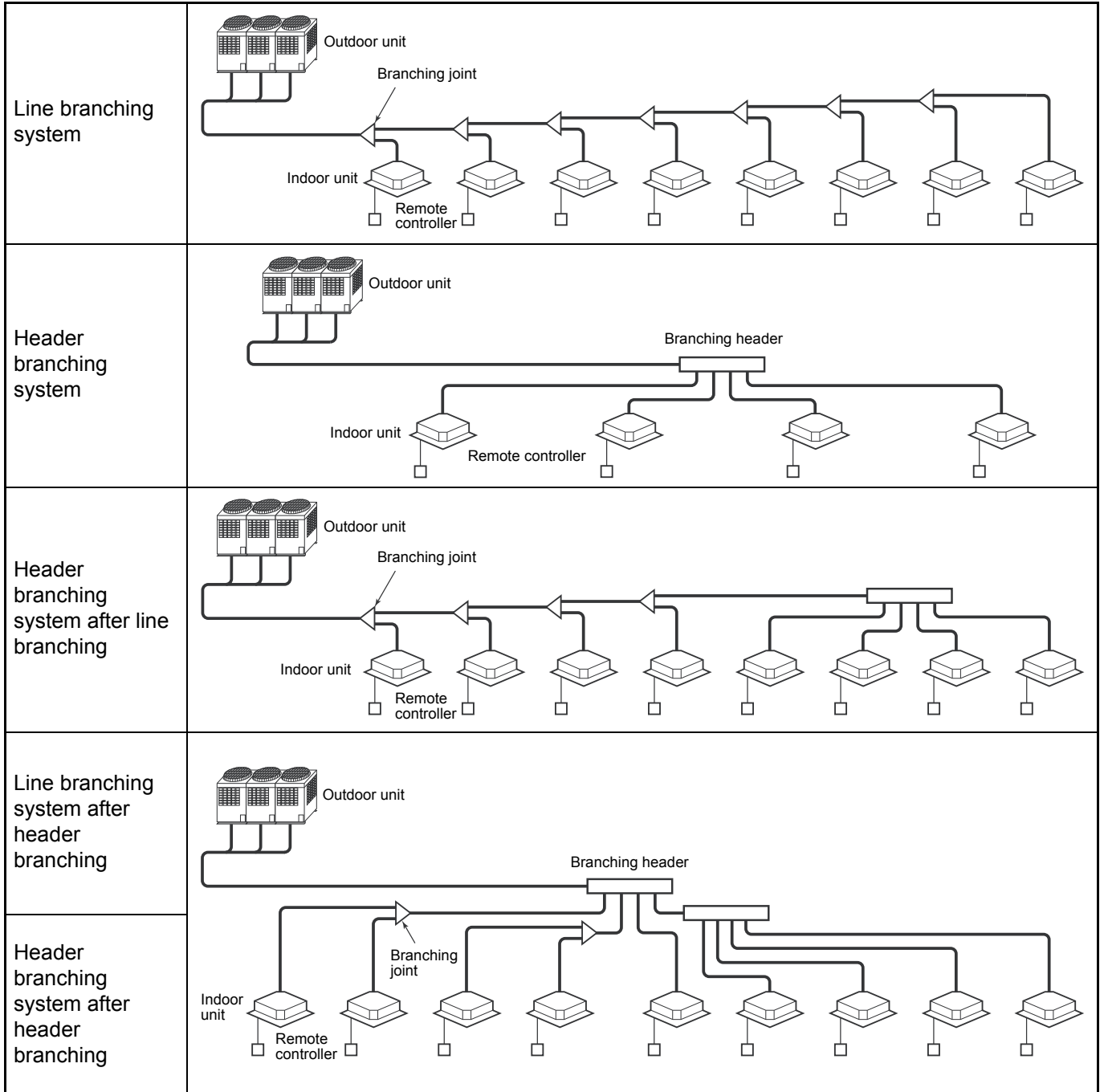
Note 2: Low ambient heating (-20°C or less) for extended periods of time is not allowed .



3-1. Free branching system

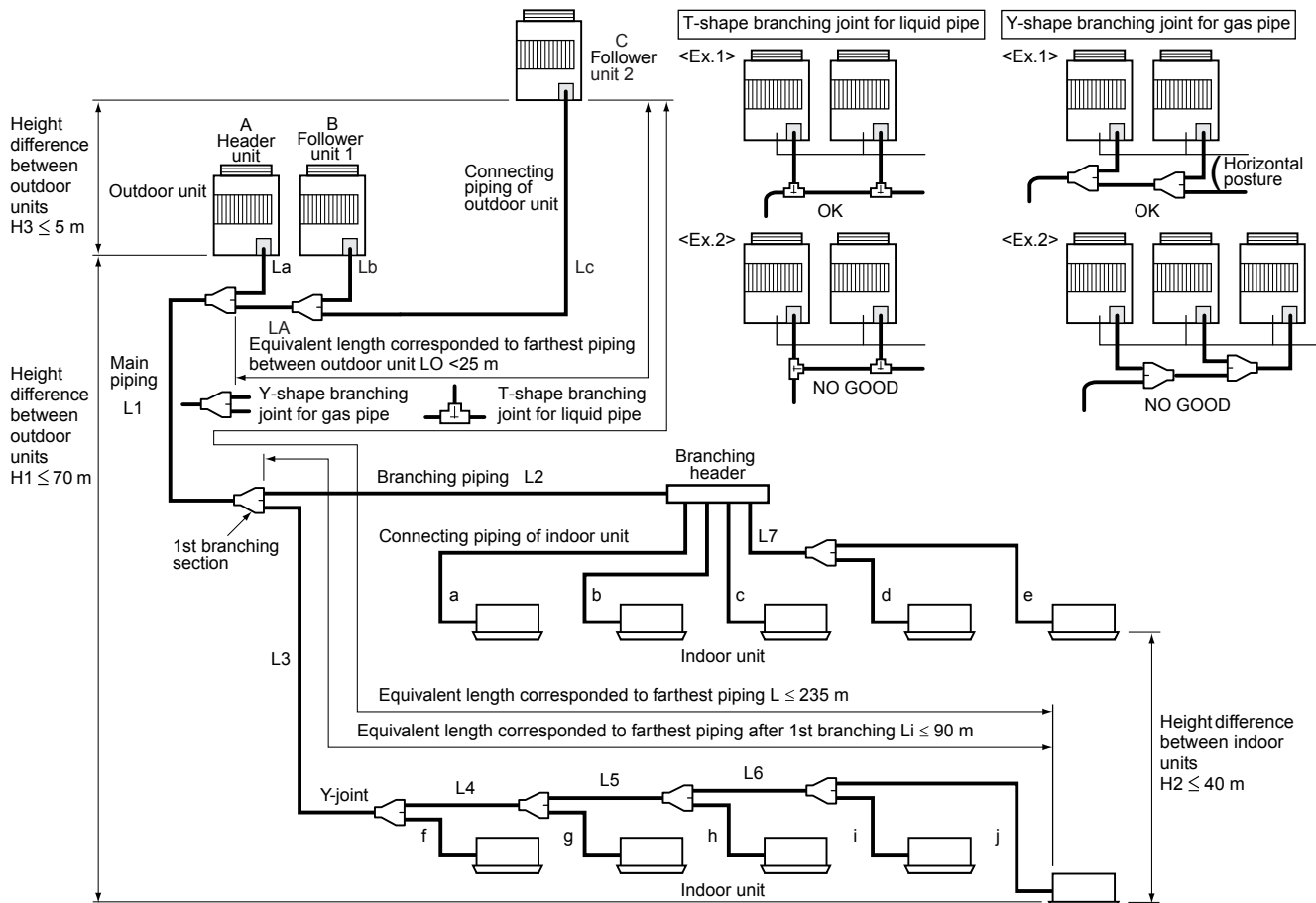
- [1] Line branching system
- [2] Header branching system
- [3] Header branching system after line branching
- [4] Line branching system after header branching
- [5] Header branching system after header branching

The above five branching systems enable to dramatically increase the flexibility of refrigerant piping design.





3-2. Allowable length/height difference of refrigerant piping



System restrictions

Max. No. of combined outdoor units	3 units	
Max. capacity of combined outdoor units	56 HP	
Max. No. of connected indoor units	64 units	
Max. capacity of combined indoor units (MMY-MAP_6HT5)	$H_2 \leq 15$	135 %
	$H_2 > 15$	105 %
Max. capacity of combined indoor units (MMY-MAP_6T5)	$H_2 \leq 15$	170 %
	$H_2 > 15$	105 %

- Note 1) Combination of outdoor units: Header unit (1 unit) + Follower units (0 to 2 units). Header unit is the outdoor unit nearest to the connected indoor units.
- Note 2) Install the outdoor units in order of capacity. (Header unit \geq Follower unit 1 \geq Follower unit 2)
- Note 3) Use Y-shape branching joint in connecting of gas pipe for outdoor unit, and install horizontally.
- Note 4) Piping to indoor units shall be perpendicular to piping to the header outdoor unit as <Ex.1>. Do not connect piping to indoor units in the same direction of header outdoor unit as T-shape branching joint for liquid pipe of <Ex.2>.

Farthest piping length L(*1) by capacity of outdoor units

Capacity (HP)	Standard model				High efficiency model	
	8 ~ 22	24 ~ 40	42 ~ 44	46 ~ 56	20	36 ~ 40
Equivalent length (m)	210	220	235	185	220	235
Real length (m)	170	180	190	145	180	190

Note: All values of above table decrease 25 m when H1 exceeds 3 m.

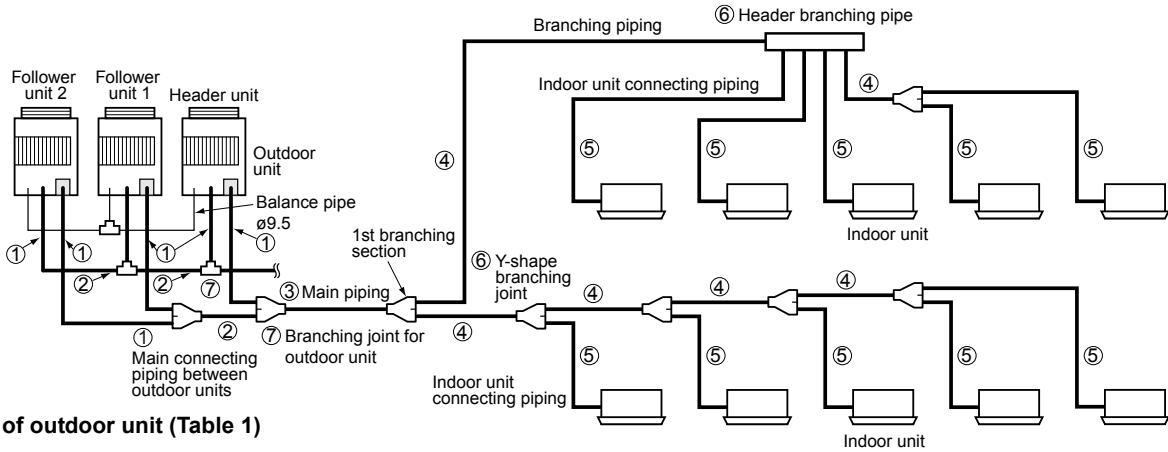
Allowable length and height difference of refrigerant piping

Piping length	Total extension of pipe (Liquid pipe, real length)	Allowable value		Piping section
		Below 34HP	34HP or more	
Piping length	Farthest piping Length L (*1)	Equivalent length	235 m	$LA + LB + La + Lb + Lc + L_1 + L_2 + L_3 + L_4 + L_5 + L_6 + L_7 + a + b + c + d + e + f + g + h + i + j$ $LA + L_1 + L_3 + L_4 + L_5 + L_6 + j$ $L_3 + L_4 + L_5 + L_6 + j$ $LA + Lc (LA + Lb)$ L_1 $Lc (La, Lb,)$ $a, b, c, d, e, f, g, h, i, j$ $L_2, L_3, L_4, L_5, L_6, L_7$
		Real length	190 m	
	Equivalent length of farthest piping from 1st branching L_i (*1)	90 m (*2)		
	Equivalent length of farthest piping between outdoor units L_O (*1)	25 m		
	Max. equivalent length of main piping	Equivalent length	120 m (*3)	
		Real length	100 m (*3)	
	Max. equivalent length of outdoor unit connecting piping		10 m	
	Max. real length of indoor unit connecting piping		30 m	
Max. equivalent length between branches		50 m		
Difference in height	Height between indoor and outdoor units H1	Upper outdoor unit	70 m (*4) (*7)	
		Lower outdoor unit	40 m (*5)	
	Height between indoor units H2		40 m	
	Height between outdoor units H3		5 m	

(*1) : (D) is outdoor unit furthest from the 1st branch and (j) is the indoor unit furthest from the 1st branch.
 (*2) : If the height difference (H1) between indoor and outdoor unit exceeds 3 m, set 65 m or less.
 (*3) : If the max. combined outdoor unit capacity is 54HP or more, then max. equivalent length is 70 m or less (real length is 50 m or less).
 (*4) : If the height difference (H2) between indoor units exceeds 3 m, set 50 m or less.
 (*5) : If the height difference (H2) between indoor units exceeds 3 m, set 30 m or less.
 (*6) : Total charging refrigerant is 140kg or less.
 (*7) : Extension up till 90m is possible with conditions below
 - Outdoor Temperature Cooling : 10 ~ 46 (DB)
 Heating : -5 ~ 15.5 (WB)
 - Equivalent length of farthest piping from 1st branching $L_i < 50$ m
 - Real length of main piping $L_1 < 100$ m
 - Height difference between indoor units $H_2 < 3$ m
 - Total capacity of combined indoor units : 90% - 105%
 - Single CDU, and up to 20HP
 - Minimum capacity of connectable indoor : unit 4HP or Larger



3-3. Selection of refrigerant piping



① Pipe size of outdoor unit (Table 1)

Model name MMY-	Gas side	Liquid side
MAP0806*	ø19.1	ø12.7
MAP1006*	ø22.2	ø12.7
MAP1206*	ø28.6	ø12.7
MAP1406*	ø28.6	ø15.9
MAP1606*	ø28.6	ø15.9
MAP1806*	ø28.6	ø15.9
MAP2006*	ø28.6	ø15.9

② Connecting pipe size between outdoor units (Table 2)

Total capacity code of outdoor unit at downstream side*1	Gas side	Liquid side	Balance pipe
16 to below 22	ø28.6	ø15.9	ø9.5
22 to below 24	ø28.6	ø19.1	
24 to below 26	ø34.9	ø19.1	
26 to below 36	ø34.9	ø19.1	
36 or more	ø41.3	ø22.2	

③ Size of main pipe (Table 3)

Total capacity code of all outdoor unit *1	Gas side	Liquid side
8 below 10	ø19.1	ø12.7
10 to below 12	ø22.2	ø12.7
12 to below 14	ø28.6	ø12.7
14 to below 22	ø28.6	ø15.9
22 to below 24	ø28.6	ø19.1
24 to below 26	ø34.9	ø19.1
26 to below 36	ø34.9	ø19.1
36 to below 54	ø41.3	ø22.2
54 or more	ø41.3	ø28.6

Determine thickness of the main pipe according to capacity of the outdoor units.

④ Pipe size between branching sections (Table 4)*5

SMMS-e 8HP to 60HP		
Total capacity code of indoor unit at downstream side*1	Gas side	Liquid side
2.4 or less	ø12.7	ø9.5
2.4 to below 6.4	ø15.9	ø9.5
6.4 to below 12.2	ø22.2	ø12.7
12.2 to below 20.2	ø28.6	ø15.9
20.2 to below 22.4	ø28.6	ø19.1
22.4 to below 25.2	ø34.9	ø19.1
25.2 to below 35.2	ø34.9	ø19.1
35.2 to below 53.2	ø41.3	ø22.2
53.2 or more	ø41.3	ø28.6

If the total capacity code value of indoor units exceeds that of the outdoor units, apply the capacity code of outdoor units.

⑤ Piping of indoor unit (Table 5)

Capacity rank		Gas side	Liquid side
007 type to 012 type	Actual length 15 m or less	ø9.5	ø6.4
	Actual length exceeds 15 m	ø12.7	ø6.4
015 type to 018 type		ø12.7	ø6.4
024 type to 056 type		ø15.9	ø9.5
072 type to 096 type		ø22.2	ø12.7

- *1 Code is determined according to the capacity rank.
- *2 When using a branching joint for the 1st branch, select according to capacity code of the outdoor unit.
- *3 For 1 line after branching header indoor units with a maximum capacity code of 6.0 in total can be connected.
- *4 If the pipe size is ø19.0 or more, use a suitable material as detailed in the installation manual.
- *5 If the piping size becomes over main piping size, select the size same as main piping.
- *6 When the first branch is a header with the outdoor total capacity codes of 12 to 26, apply the model RBM- HY2043E(4-branch) or RBM- HY2083E(8-branch) regardless of the total capacity codes of the down-stream indoor units.
- *7 The maximum equivalent length of main pipe should be 70m or shorter.
- *8 When the sum of capacity code of indoor units exceeds the capacity code of outdoor units, select according to capacity code of the outdoor units.

⑥ Selection of branching section (Table 6)

Y-shape branching joint *2 *3 *8	Total capacity code of indoor unit *1		Model name
	Below 6.4		
	6.4 to below 14.2		RBM-BY55E
	14.2 to below 25.2		RBM-BY105E
	25.2 or more		RBM-BY205E
Branching header *2 *3 *6 *8	For 4 branching	Below 14.2	RBM-HY1043E
		14.2 to below 25.2	RBM-HY2043E
	For 8 branching	Below 14.2	RBM-HY1083E
		14.2 to below 25.2	RBM-HY2083E

⑦ Selection of branching joint for outdoor unit (Table 7)

	Total capacity code of outdoor unit	Joints			Model name
		Gas (Y-shape)	Liquid (T-shape)	Balance (T-shape)	
Branching joint for outdoor unit	Below 26				RBM-BT14E
	26 or more				RBM-BT24E

⑧ Minimum wall thickness for R410A application (Table 8)

Soft	Half hard or hard	OD (Inch)	OD (mm)	Minimum wall thickness (mm)
OK	OK	1/4"	6.35	0.80
OK	OK	3/8"	9.52	0.80
OK	OK	1/2"	12.70	0.80
OK	OK	5/8"	15.88	1.00
No Good*4	OK	3/4"	19.05	1.00
No Good*4	OK	7/8"	22.20	1.00
No Good*4	OK	1.1/8"	28.58	1.00
No Good*4	OK	1.3/8"	34.92	1.20
No Good*4	OK	1.5/8"	41.28	1.40



3-4. Charging requirement with additional refrigerant

Calculating the amount of additional refrigerant required

Refrigerant in the system when shipped from the factory

		8HP	10HP	12HP	14HP	16HP	18HP	20HP
Refrigerant amount charged in factory	Heat pump model	11.5 kg	11.5 kg	11.5 kg	11.5 kg	11.5 kg	11.5 kg	11.5 kg
	Cooling only model	10.5 kg	10.5 kg	10.5 kg	11.5 kg	11.5 kg	11.5 kg	11.5 kg

When the system is charged with refrigerant at the factory, the amount of refrigerant needed for the pipes at the site is not included. Therefore, calculate the additional amount needed and add the required amount to the system.

(Calculation)

Additional refrigerant charge amount is calculated based on the size of liquid pipe at site and its real length.

Additional refrigerant charge amount at site = [1]+[2]+[3]

[1]. Compensation by system HP (Table 1)

[2]. Additional refrigerant charge amount indoor unit (Table 2)

[3]. (Real length of liquid pipe x Additional refrigerant charge amount per liquid pipe 1 m. (Table 3)) x 1.2

Example: Additional charge amount R (kg) = [1] + [2] + ([3] x 1.2) = 2.5 + 22.4 + (39.1 x 1.2) = 71.8

System HP : 56HP

Indoor unit (Standard Indoor units) : 56HP

Liquid pipe : 22.2 100m

19.1 10m

15.9 10m

[1]. Compensation by system HP = 2.5kg

[2]. Additional refrigerant charge amount Indoor unit = 0.4 kg x 56 = 22.4kg

[3]. Real length of liquid pipe x Additional refrigerant charge amount per liquid pipe
= (0.350 x 100) + (0.250 x 10) + (0.160 x 10) = 35 + 2.5 + 1.6 = 39.1kg

Table 1

Standard model

System HP	Combination HP	Charged refrigerant		Compensation by System HP kg
		Heat pump HT5P kg	Cooling only T5P kg	
8	8	11.5	10.5	-3.5
10	10	11.5	10.5	-3.5
12	12	11.5	10.5	-1.5
14	14	11.5	11.5	-1.0
16	16	11.5	11.5	-0.5
18	18	11.5	11.5	1.5
20	20	11.5	11.5	1.5
22	12 10	23.0	21.0	-7.0
24	12 12	23.0	21.0	-3.0
26	14 12	23.0	22.0	-2.5
28	16 12	23.0	22.0	-2.0
30	16 14	23.0	23.0	-1.5
32	16 16	23.0	23.0	-1.0
34	18 16	23.0	23.0	1.0
36	20 16	23.0	23.0	1.0
38	20 18	23.0	23.0	3.0
40	20 20	23.0	23.0	3.0
42	16 14 12	34.5	33.5	-6.5
44	16 16 12	34.5	33.5	-6.5
46	16 16 14	34.5	34.5	-6.5
48	16 16 16	34.5	34.5	-6.5
50	18 16 16	34.5	34.5	-0.5
52	20 16 16	34.5	34.5	-0.5
54	20 20 14	34.5	34.5	1.5
56	20 20 16	34.5	34.5	2.5

High efficiency model

System HP	Combination HP	Charged refrigerant		Compensation by System HP kg
		Heat pump HT5P kg	Cooling only T5P kg	
20	10 10	23.0	21.0	-7.0
36	12 12 12	34.5	31.5	-12.5
38	14 12 12	34.5	32.5	-10.5
40	14 14 12	34.5	33.5	-8.5

Table 2

Additional refrigerant charge amount Indoor unit	Standard Indoor unit	Fresh Air Intake Indoor Unit	Air to Air Heat exchanger with DX-coil
Additional refrigerant charge amount kg/HP	0.4	0.2	0.2

Table 3

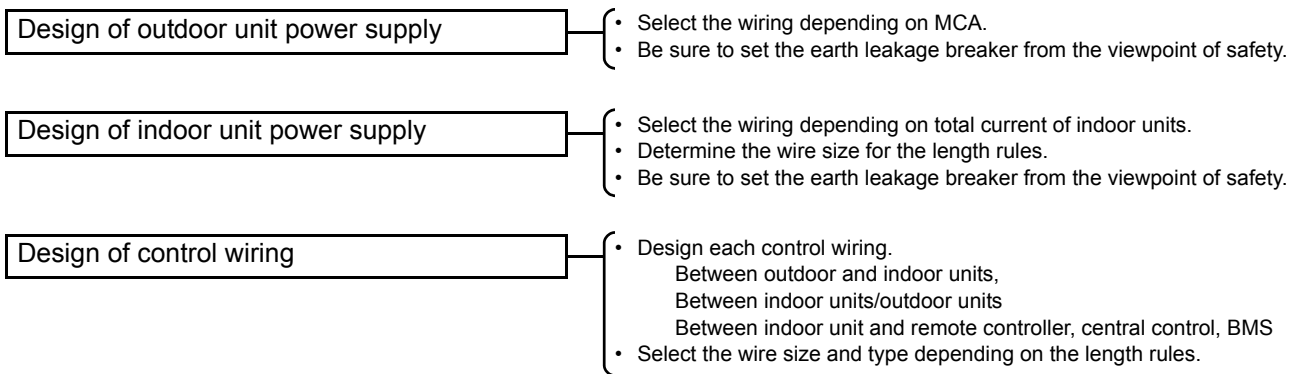
Pipe dia. at liquid side	mm	ø6.4	ø9.5	ø12.7	ø15.9	ø19.0	ø22.2
Additional refrigerant amount/1m	kg/m	0.025	0.055	0.105	0.16	0.25	0.35



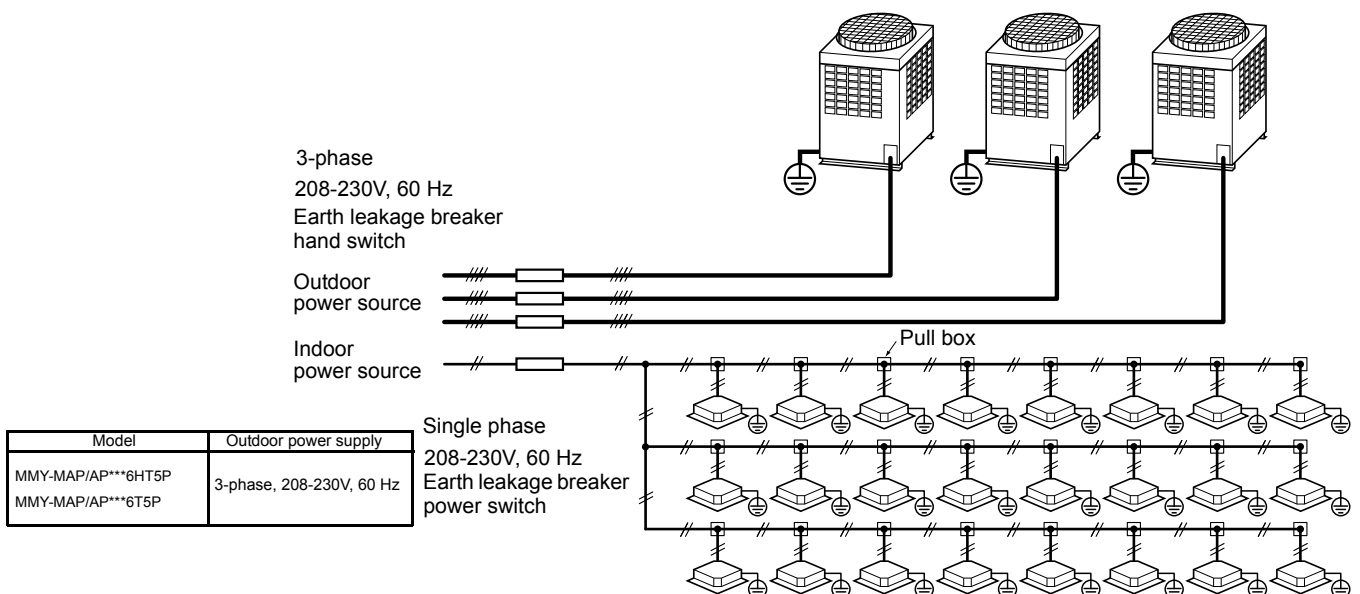
4-1. General

- Perform wiring of the power supply in conformance with the regulations of the local electric company.
- For cabling of the power supply of the indoor unit and the inter-unit cabling between indoor and outdoor units, refer to the Installation Manual of indoor unit.
- Never connect power supply to the terminal block (U1, U2, U3, U4, U5, U6) for control wiring. (The equipment breaks down.)
- Arrange the cables so that the electric wires do not come to contact with high-temperature part of the pipe; otherwise coating melts and an accident may be caused.
- After connecting cable to the terminal block, take off the trap and then fix the cable with cable clamp.
- Do not turn on power of the indoor unit until vacuuming of the refrigerant pipe will finish.

4-2. Summary of wiring design



4-3. Electrical wiring design



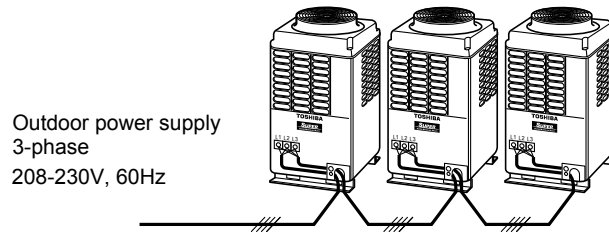
4-4. Outdoor unit power supply

4-4-1.

- Select the power supply cabling and fuse of each outdoor unit from the following specifications: cable 4-core, in conformance with Design 60245 IEC 66
- Do not connect the outdoor units by crossing outside of them, but connect them via the terminal block (L1, L2, L3)

Model	Outdoor power supply
MMY-MAP/AP***6HT5P	3-phase, 208-230V, 60Hz
MMY-MAP/AP***6T5P	

NO GOOD





Outdoor unit data

Heat pump model

Standard model

Type	HP	Model	Power Supply		Voltage Range		Compressor			Fan motor			MCA (A)	MOCP (A)
			Phase and frequency	Nominal Voltage	Min. (V)	Max. (V)	Header unit (kW)	Follower unit 1 (kW)	Follower unit 2 (kW)	Header unit (kW)	Follower unit 1 (kW)	Follower unit 2 (kW)		
Single unit	8	MMY-MAP0806HT5P	3 ~ 60Hz	208-220-230V	187	253	2.1x2	-	-	1.0	-	-	34	40
	10	MMY-MAP1006HT5P	3 ~ 60Hz	208-220-230V	187	253	3.1x2	-	-	1.0	-	-	41	50
	12	MMY-MAP1206HT5P	3 ~ 60Hz	208-220-230V	187	253	3.9x2	-	-	1.0	-	-	46	50
	14	MMY-MAP1406HT5P	3 ~ 60Hz	208-220-230V	187	253	4.8x2	-	-	1.0	-	-	53	60
	16	MMY-MAP1606HT5P	3 ~ 60Hz	208-220-230V	187	253	5.8x2	-	-	1.0	-	-	60	70
	18	MMY-MAP1806HT5P	3 ~ 60Hz	208-220-230V	187	253	6.5x2	-	-	1.0x2	-	-	70	80
	20	MMY-MAP2006HT5P	3 ~ 60Hz	208-220-230V	187	253	7.6x2	-	-	1.0x2	-	-	75	80
Combination of outdoor unit	22	MMY-AP2216HT5P	3 ~ 60Hz	208-220-230V	187	253	3.9x2	3.1x2	-	1.0	1.0	-	46+41	50+50
	24	MMY-AP2416HT5P	3 ~ 60Hz	208-220-230V	187	253	3.9x2	3.9x2	-	1.0	1.0	-	46+46	50+50
	26	MMY-AP2616HT5P	3 ~ 60Hz	208-220-230V	187	253	4.8x2	3.9x2	-	1.0	1.0	-	53+46	60+50
	28	MMY-AP2816HT5P	3 ~ 60Hz	208-220-230V	187	253	5.8x2	3.9x2	-	1.0	1.0	-	60+46	70+50
	30	MMY-AP3016HT5P	3 ~ 60Hz	208-220-230V	187	253	5.8x2	4.8x2	-	1.0	1.0	-	60+53	70+60
	32	MMY-AP3216HT5P	3 ~ 60Hz	208-220-230V	187	253	5.8x2	5.8x2	-	1.0	1.0	-	60+60	70+70
	34	MMY-AP3416HT5P	3 ~ 60Hz	208-220-230V	187	253	6.5x2	5.8x2	-	1.0x2	1.0	-	70+60	80+70
	36	MMY-AP3616HT5P	3 ~ 60Hz	208-220-230V	187	253	7.6x2	5.8x2	-	1.0x2	1.0	-	75+60	80+70
	38	MMY-AP3816HT5P	3 ~ 60Hz	208-220-230V	187	253	7.6x2	6.5x2	-	1.0x2	1.0x2	-	75+70	80+80
	40	MMY-AP4016HT5P	3 ~ 60Hz	208-220-230V	187	253	7.6x2	7.6x2	-	1.0x2	1.0x2	-	75+75	80+80
	42	MMY-AP4216HT5P	3 ~ 60Hz	208-220-230V	187	253	5.8x2	4.8x2	3.9x2	1.0	1.0	1.0	60+53+46	70+60+50
	44	MMY-AP4416HT5P	3 ~ 60Hz	208-220-230V	187	253	5.8x2	5.8x2	3.9x2	1.0	1.0	1.0	60+60+46	70+70+50
	46	MMY-AP4616HT5P	3 ~ 60Hz	208-220-230V	187	253	5.8x2	5.8x2	4.8x2	1.0	1.0	1.0	60+60+53	70+70+60
	48	MMY-AP4816HT5P	3 ~ 60Hz	208-220-230V	187	253	5.8x2	5.8x2	5.8x2	1.0	1.0	1.0	60+60+60	70+70+70
	50	MMY-AP5016HT5P	3 ~ 60Hz	208-220-230V	187	253	6.5x2	5.8x2	5.8x2	1.0x2	1.0	1.0	70+60+60	80+70+70
	52	MMY-AP5216HT5P	3 ~ 60Hz	208-220-230V	187	253	7.6x2	5.8x2	5.8x2	1.0x2	1.0	1.0	75+60+60	80+70+70
	54	MMY-AP5416HT5P	3 ~ 60Hz	208-220-230V	187	253	7.6x2	7.6x2	4.8x2	1.0x2	1.0x2	1.0	75+75+53	80+80+60
54	MMY-AP5616HT5P	3 ~ 60Hz	208-220-230V	187	253	7.6x2	7.6x2	5.8x2	1.0x2	1.0x2	1.0	75+75+60	80+80+70	

High efficiency model

Type	HP	Model	Power Supply		Voltage Range		Compressor			Fan motor			MCA (A)	MOCP (A)
			Phase and frequency	Nominal Voltage	Min. (V)	Max. (V)	Header unit (kW)	Follower unit 1 (kW)	Follower unit 2 (kW)	Header unit (kW)	Follower unit 1 (kW)	Follower unit 2 (kW)		
Combination of outdoor unit	20	MMY-MAP2026HT5P	3 ~ 60Hz	208-220-230V	187	253	3.1x2	3.1x2	-	1.0	1.0	-	41+41	50+50
	36	MMY-MAP3626HT5P	3 ~ 60Hz	208-220-230V	187	253	3.9x2	3.9x2	3.9x2	1.0	1.0	1.0	46+46+46	50+50+50
	38	MMY-MAP3826HT5P	3 ~ 60Hz	208-220-230V	187	253	4.8x2	3.9x2	3.9x2	1.0	1.0	1.0	53+46+46	60+50+50
	40	MMY-MAP4026HT5P	3 ~ 60Hz	208-220-230V	187	253	4.8x2	4.8x2	3.9x2	1.0	1.0	1.0	53+53+46	60+60+50



Outdoor unit data

Cooling only model

Standard model

Type	HP	Model	Power Supply		Voltage Range		Compressor			Fan motor			MCA (A)	MOCP (A)
			Phase and frequency	Nominal Voltage	Min. (V)	Max. (V)	Header unit (kW)	Follower unit 1 (kW)	Follower unit 2 (kW)	Header unit (kW)	Follower unit 1 (kW)	Follower unit 2 (kW)		
Single unit	8	MMY-MAP0806T5P	3 ~ 60Hz	208-220-230V	187	253	2.1x2	-	-	1.0	-	-	34	40
	10	MMY-MAP1006T5P	3 ~ 60Hz	208-220-230V	187	253	3.1x2	-	-	1.0	-	-	41	50
	12	MMY-MAP1206T5P	3 ~ 60Hz	208-220-230V	187	253	3.9x2	-	-	1.0	-	-	46	50
	14	MMY-MAP1406T5P	3 ~ 60Hz	208-220-230V	187	253	4.8x2	-	-	1.0	-	-	53	60
	16	MMY-MAP1606T5P	3 ~ 60Hz	208-220-230V	187	253	5.8x2	-	-	1.0	-	-	60	70
	18	MMY-MAP1806T5P	3 ~ 60Hz	208-220-230V	187	253	6.5x2	-	-	1.0x2	-	-	70	80
Combination of outdoor unit	20	MMY-MAP2006T5P	3 ~ 60Hz	208-220-230V	187	253	7.6x2	-	-	1.0x2	-	-	75	80
	22	MMY-AP2216T5P	3 ~ 60Hz	208-220-230V	187	253	3.9x2	3.1x2	-	1.0	1.0	-	46+41	50+50
	24	MMY-AP2416T5P	3 ~ 60Hz	208-220-230V	187	253	3.9x2	3.9x2	-	1.0	1.0	-	46+46	50+50
	26	MMY-AP2616T5P	3 ~ 60Hz	208-220-230V	187	253	4.8x2	3.9x2	-	1.0	1.0	-	53+46	60+50
	28	MMY-AP2816T5P	3 ~ 60Hz	208-220-230V	187	253	5.8x2	3.9x2	-	1.0	1.0	-	60+46	70+50
	30	MMY-AP3016T5P	3 ~ 60Hz	208-220-230V	187	253	5.8x2	4.8x2	-	1.0	1.0	-	60+53	70+60
	32	MMY-AP3216T5P	3 ~ 60Hz	208-220-230V	187	253	5.8x2	5.8x2	-	1.0	1.0	-	60+60	70+70
	34	MMY-AP3416T5P	3 ~ 60Hz	208-220-230V	187	253	6.5x2	5.8x2	-	1.0x2	1.0	-	70+60	80+70
	36	MMY-AP3616T5P	3 ~ 60Hz	208-220-230V	187	253	7.6x2	5.8x2	-	1.0x2	1.0	-	75+60	80+70
	38	MMY-AP3816T5P	3 ~ 60Hz	208-220-230V	187	253	7.6x2	6.5x2	-	1.0x2	1.0x2	-	75+70	80+80
	40	MMY-AP4016T5P	3 ~ 60Hz	208-220-230V	187	253	7.6x2	7.6x2	-	1.0x2	1.0x2	-	75+75	80+80
	42	MMY-AP4216T5P	3 ~ 60Hz	208-220-230V	187	253	5.8x2	4.8x2	3.9x2	1.0	1.0	1.0	60+53+46	70+60+50
	44	MMY-AP4416T5P	3 ~ 60Hz	208-220-230V	187	253	5.8x2	5.8x2	3.9x2	1.0	1.0	1.0	60+60+46	70+70+50
	46	MMY-AP4616T5P	3 ~ 60Hz	208-220-230V	187	253	5.8x2	5.8x2	4.8x2	1.0	1.0	1.0	60+60+53	70+70+60
	48	MMY-AP4816T5P	3 ~ 60Hz	208-220-230V	187	253	5.8x2	5.8x2	5.8x2	1.0	1.0	1.0	60+60+60	70+70+70
	50	MMY-AP5016T5P	3 ~ 60Hz	208-220-230V	187	253	6.5x2	5.8x2	5.8x2	1.0x2	1.0	1.0	70+60+60	80+70+70
	52	MMY-AP5216T5P	3 ~ 60Hz	208-220-230V	187	253	7.6x2	5.8x2	5.8x2	1.0x2	1.0	1.0	75+60+60	80+70+70
	54	MMY-AP5416T5P	3 ~ 60Hz	208-220-230V	187	253	7.6x2	7.6x2	4.8x2	1.0x2	1.0x2	1.0	75+75+53	80+80+60
56	MMY-AP5616T5P	3 ~ 60Hz	208-220-230V	187	253	7.6x2	7.6x2	5.8x2	1.0x2	1.0x2	1.0	75+75+60	80+80+70	

High efficiency model

Type	HP	Model	Power Supply		Voltage Range		Compressor			Fan motor			MCA (A)	MOCP (A)
			Phase and frequency	Nominal Voltage	Min. (V)	Max. (V)	Header unit (kW)	Follower unit 1 (kW)	Follower unit 2 (kW)	Header unit (kW)	Follower unit 1 (kW)	Follower unit 2 (kW)		
Combination of outdoor unit	20	MMY-MAP2026T5P	3 ~ 60Hz	208-220-230V	187	253	3.1x2	3.1x2	-	1.0	1.0	-	41+41	50+50
	36	MMY-MAP3626T5P	3 ~ 60Hz	208-220-230V	187	253	3.9x2	3.9x2	3.9x2	1.0	1.0	1.0	46+46+46	50+50+50
	38	MMY-MAP3826T5P	3 ~ 60Hz	208-220-230V	187	253	4.8x2	3.9x2	3.9x2	1.0	1.0	1.0	53+46+46	60+50+50
	40	MMY-MAP4026T5P	3 ~ 60Hz	208-220-230V	187	253	4.8x2	4.8x2	3.9x2	1.0	1.0	1.0	53+53+46	60+60+50



4-5. Indoor unit power supply

• Electrical characteristics for 60Hz outdoor units

Type	Model	Nominal Voltage	Voltage Range		Fan Motor		Power Supply	
		(V-Ph-Hz)	Min	Max	kW	FLA	MCA	MOCP
4-Way Air Discharge Cassette Type	MMU-AP0094HP1-E	220-1-60	198	242	0.014	0.66	0.83	15
	MMU-AP0124HP1-E	220-1-60	198	242	0.014	0.66	0.83	15
	MMU-AP0154HP1-E	220-1-60	198	242	0.014	0.84	1.05	15
	MMU-AP0184HP1-E	220-1-60	198	242	0.014	0.84	1.05	15
	MMU-AP0244HP1-E	220-1-60	198	242	0.020	0.91	1.14	15
	MMU-AP0274HP1-E	220-1-60	198	242	0.020	0.91	1.14	15
	MMU-AP0304HP1-E	220-1-60	198	242	0.020	0.91	1.14	15
	MMU-AP0364HP1-E	220-1-60	198	242	0.068	1.21	1.51	15
	MMU-AP0484HP1-E	220-1-60	198	242	0.072	1.21	1.51	15
MMU-AP0564HP1-E	220-1-60	198	242	0.072	1.21	1.51	15	
Compact 4-way Cassette (600 x 600) Type	MMU-AP0057MH-E	220-1-60	198	242	0.060	0.24	0.30	15
	MMU-AP0077MH-E	220-1-60	198	242	0.060	0.25	0.32	15
	MMU-AP0097MH-E	220-1-60	198	242	0.060	0.26	0.33	15
	MMU-AP0127MH-E	220-1-60	198	242	0.060	0.46	0.58	15
	MMU-AP0157MH-E	220-1-60	198	242	0.060	0.53	0.66	15
	MMU-AP0187MH-E	220-1-60	198	242	0.060	0.53	0.66	15
2-Way Air Discharge Cassette Type	MMU-AP0072WH1	220-1-60	198	242	0.020	0.30	0.38	15
	MMU-AP0092WH1	220-1-60	198	242	0.020	0.30	0.38	15
	MMU-AP0122WH1	220-1-60	198	242	0.020	0.30	0.38	15
	MMU-AP0152WH1	220-1-60	198	242	0.020	0.30	0.38	15
	MMU-AP0182WH1	220-1-60	198	242	0.030	0.67	0.84	15
	MMU-AP0242WH1	220-1-60	198	242	0.040	0.77	0.96	15
	MMU-AP0272WH1	220-1-60	198	242	0.040	0.77	0.96	15
	MMU-AP0302WH1	220-1-60	198	242	0.050	0.77	0.96	15
	MMU-AP0362WH1	220-1-60	198	242	0.070	0.83	1.04	15
	MMU-AP0485WH1	220-1-60	198	242	0.070	0.83	1.04	15
	MMU-AP0562WH1	220-1-60	198	242	0.070	0.83	1.04	15
	1-Way Air Discharge Cassette Type	MMU-AP0074YH1-E	220-1-60	198	242	0.022	0.30	0.37
MMU-AP0094YH1-E		220-1-60	198	242	0.022	0.30	0.37	15
MMU-AP0124YH1-E		220-1-60	198	242	0.022	0.30	0.37	15
MMU-AP0154SH1-E		220-1-60	198	242	0.030	0.40	0.50	15
MMU-AP0184SH1-E		220-1-60	198	242	0.030	0.45	0.57	15
MMU-AP0244SH1-E		220-1-60	198	242	0.030	0.75	0.94	15
Concealed Duct Type	MMD-AP0076BHP1-E	220-1-60	198	242	0.150	0.31	0.39	15
	MMD-AP0096BHP1-E	220-1-60	198	242	0.150	0.35	0.44	15
	MMD-AP0126BHP1-E	220-1-60	198	242	0.150	0.35	0.44	15
	MMD-AP0156BHP1-E	220-1-60	198	242	0.150	0.51	0.63	15
	MMD-AP0186BHP1-E	220-1-60	198	242	0.150	0.51	0.63	15
	MMD-AP0246BHP1-E	220-1-60	198	242	0.150	0.63	0.79	15
	MMD-AP0276BHP1-E	220-1-60	198	242	0.150	0.63	0.79	15
	MMD-AP0306BHP1-E	220-1-60	198	242	0.150	0.74	1.92	15
	MMD-AP0366BHP1-E	220-1-60	198	242	0.250	1.28	1.61	15
	MMD-AP0486BHP1-E	220-1-60	198	242	0.250	1.48	1.85	15
	MMD-AP0566BHP1-E	220-1-60	198	242	0.250	1.48	1.85	15
Concealed Duct High Static Pressure Type	MMD-AP0186HP1-E	220-1-60	198	242	0.25	1.07	1.33	15
	MMD-AP0246HP1-E	220-1-60	198	242	0.25	1.39	1.73	15
	MMD-AP0276HP1-E	220-1-60	198	242	0.25	1.39	1.73	15
	MMD-AP0366HP1-E	220-1-60	198	242	0.35	2.32	2.90	15
	MMD-AP0486HP1-E	220-1-60	198	242	0.35	2.50	3.13	15
	MMD-AP0566HP1-E	220-1-60	198	242	0.35	2.69	3.36	15
	MMD-AP0726H-E	220-1-60	198	242	0.37x3	4.32	5.40	15
MMD-AP0966H-E	220-1-60	198	242	0.37x3	5.53	6.91	15	



Type	Model	Nominal Voltage	Voltage Range		Fan Motor		Power Supply	
		(V-Ph-Hz)	Min	Max	kW	FLA	MCA	MOCP
Slim Duct Type	MMD-AP0074SPH1-E	220-1-60	198	242	0.060	0.32	0.41	15
	MMD-AP0094SPH1-E	220-1-60	198	242	0.060	0.32	0.41	15
	MMD-AP0124SPH1-E	220-1-60	198	242	0.060	0.36	0.45	15
	MMD-AP0154SPH1-E	220-1-60	198	242	0.060	0.37	0.47	15
	MMD-AP0184SPH1-E	220-1-60	198	242	0.060	0.44	0.56	15
	MMD-AP0244SPH1-E	220-1-60	198	242	0.120	0.90	1.12	15
	MMD-AP0274SPH1-E	220-1-60	198	242	0.120	0.90	1.12	15
CeilingType	MMC-AP0158HP-E	220-1-60	198	242	0.030	0.42	0.53	15
	MMC-AP0188HP-E	220-1-60	198	242	0.030	0.44	0.54	15
	MMC-AP0248HP-E	220-1-60	198	242	0.040	0.77	0.96	15
	MMC-AP0278HP-E	220-1-60	198	242	0.040	0.77	0.96	15
	MMC-AP0368HP-E	220-1-60	198	242	0.080	0.92	1.15	15
	MMC-AP0488HP-E	220-1-60	198	242	0.080	0.92	1.15	15
	MMC-AP0588HP-E	220-1-60	198	242	0.139	1.39	1.43	15
High-wall Type (3 series)	MMK-AP0073H1	220-1-60	198	242	0.03	0.20	0.22	15
	MMK-AP0093H1	220-1-60	198	242	0.03	0.22	0.24	15
	MMK-AP0123H1	220-1-60	198	242	0.03	0.22	0.24	15
	MMK-AP0153H1	220-1-60	198	242	0.03	0.37	0.40	15
	MMK-AP0183H1	220-1-60	198	242	0.03	0.37	0.40	15
	MMK-AP0243H1	220-1-60	198	242	0.03	0.43	0.47	15
High-wall Type (7 series)	MMK-AP0077MH-E	220-1-60	198	242	0.03	0.17	0.21	15
	MMK-AP0097MH-E	220-1-60	198	242	0.03	0.18	0.23	15
	MMK-AP0127MH-E	220-1-60	198	242	0.03	0.20	0.25	15
Floor Standing Cabinet Type	MML-AP0074H1-E	220-1-60	198	242	0.045	0.29	0.36	15
	MML-AP0094H1-E	220-1-60	198	242	0.045	0.29	0.36	15
	MML-AP0124H1-E	220-1-60	198	242	0.045	0.51	0.63	15
	MML-AP0154H1-E	220-1-60	198	242	0.045	0.51	0.63	15
	MML-AP0184H1-E	220-1-60	198	242	0.070	0.61	0.76	15
	MML-AP0244H1-E	220-1-60	198	242	0.070	0.61	0.76	15
Floor Standing Concealed Type	MML-AP0074BH1-E	220-1-60	198	242	0.019	0.31	0.39	15
	MML-AP0094BH1-E	220-1-60	198	242	0.019	0.31	0.39	15
	MML-AP0124BH1-E	220-1-60	198	242	0.019	0.31	0.39	15
	MML-AP0154BH1-E	220-1-60	198	242	0.070	0.53	0.66	15
	MML-AP0184BH1-E	220-1-60	198	242	0.070	0.53	0.66	15
	MML-AP0244BH1-E	220-1-60	198	242	0.070	0.53	0.73	15
Floor Standing Type	MMF-AP0156H1-E	220-1-60	198	242	0.062	0.46	0.57	15
	MMF-AP0186H1-E	220-1-60	198	242	0.062	0.46	0.57	15
	MMF-AP0246H1-E	220-1-60	198	242	0.062	0.72	0.90	15
	MMF-AP0276H1-E	220-1-60	198	242	0.062	0.72	0.90	15
	MMF-AP0366H1-E	220-1-60	198	242	0.109	1.08	1.35	15
	MMF-AP0486H1-E	220-1-60	198	242	0.109	1.32	1.65	15
	MMF-AP0566H1-E	220-1-60	198	242	0.109	1.32	1.65	15
Console Type	MML-AP0074NH1-E	220-1-60	198	242	0.041	0.18	0.23	15
	MML-AP0094NH1-E	220-1-60	198	242	0.041	0.18	0.23	15
	MML-AP0124NH1-E	220-1-60	198	242	0.041	0.21	0.26	15
	MML-AP0154NH1-E	220-1-60	198	242	0.041	0.27	0.34	15
	MML-AP0184NH1-E	220-1-60	198	242	0.041	0.38	0.48	15
Fresh Air Intake Indoor unit Type	MMD-AP0481HFE1	220-1-60	198	242	0.16	1.91	2.35	15
	MMD-AP0721HFE1	220-1-60	198	242	0.16x2	3.16	3.95	15
	MMD-AP0961HFE1	220-1-60	198	242	0.16x2	3.59	4.49	15
Air to Air Heat exchanger with DX-coil Type	MMD-VN502HEX1E	220-1-60	198	242	0.142x2	2.00	3.30	15
	MMD-VN802HEX1E	220-1-60	198	242	0.250x2	3.00	3.60	15
	MMD-VN1002HEX1E2	220-1-60	198	242	0.330x2	3.70	4.30	15



- **Wiring size**

Must be independent from the outdoor unit power supply

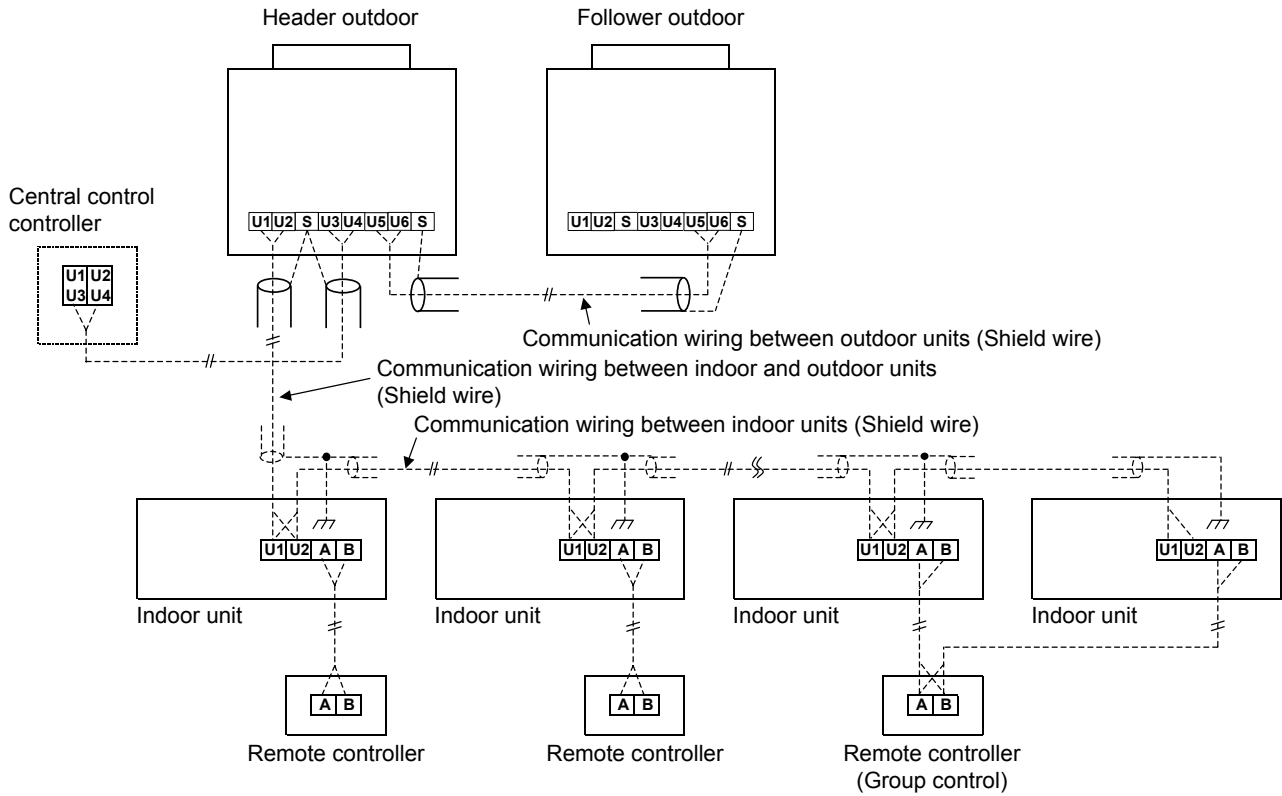
Model \ Item	Power supply wiring			
	Wire size			
All models of indoor units	2.0 mm ² (AWG#14)	Max. 20 m	3.5 mm ² (AWG#12)	Max. 50 m

NOTE:

The above connecting lengths stated in the table, indicate the length from the isolator to the outdoor unit. When the power supply of the indoor units are connected in parallel, it is assumed that no more than a 2 % voltage drop will occur. If the connecting length is to exceed the stated lengths, select a suitable wire in accordance with the local wiring standards.

4-6.Design of control wiring

• Summary of control wiring



- Communication wiring and central control wiring use 2-core non-polarity wires.
Use 2-core shield wires to prevent noise trouble.
In this case, both ends of the communication wire must be grounded.
- Use 2-core non-polarity wire for remote controller. (A, B terminals)
Use 2-core non-polarity wire for wiring of group control. (A, B terminals)

• Restriction of control wiring

Be sure to keep the rule of below tables about size and length of control wiring.

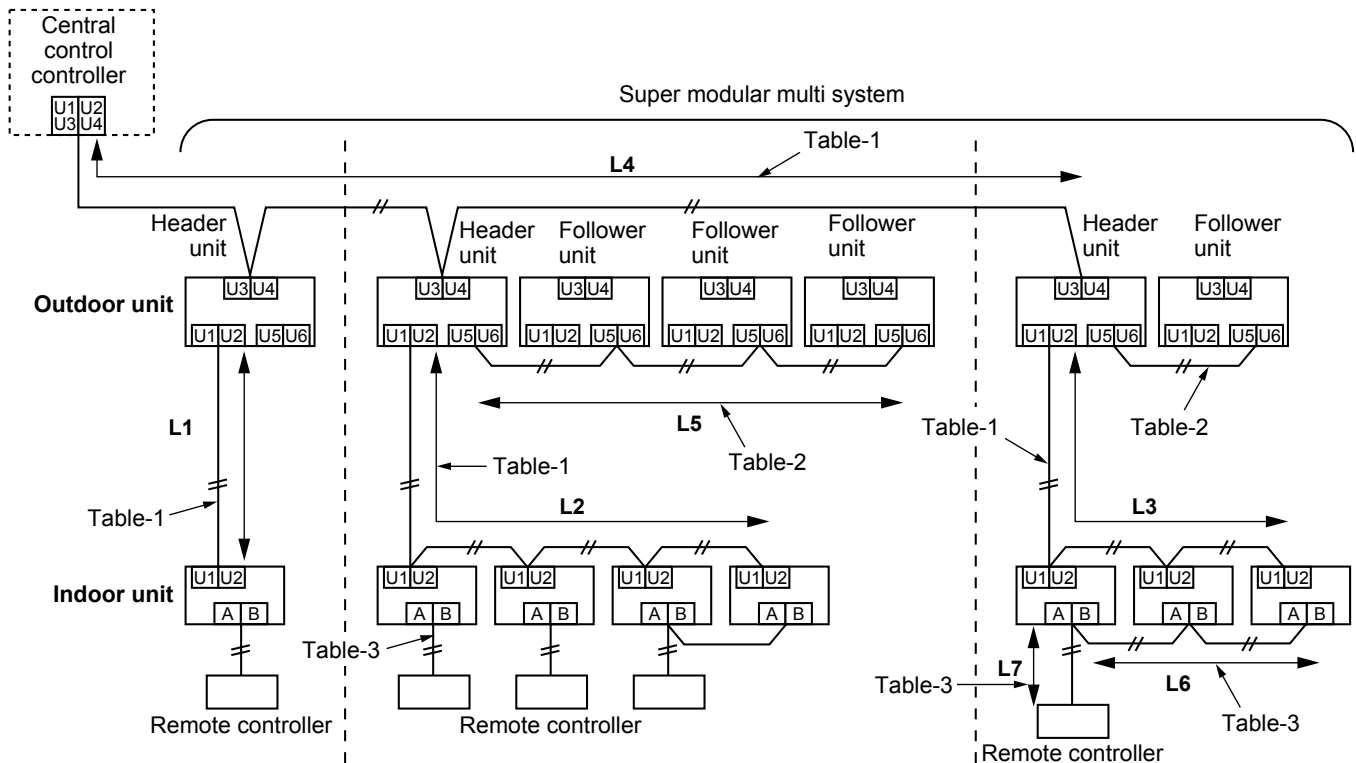


Table-1 Communication wiring between indoor and outdoor units (L1, L2, L3), Central control wiring (L4)

Wiring	2-core, non-polarity
Type	Shield wire
Size/Length	1.25 mm ² : Up to 1000 m/2.0 mm ² : Up to 2000 m (*1)

(*1): Total length of Communication wiring length for all refrigerant circuits (L1 + L2 + L3 + L4)

Table-2 Communication wiring between outdoor units (L5)

Wiring	2-core, non-polarity
Type	Shield wire
Size/Length	1.25 mm ² to 2.0 mm ² /Up to 100 m (L5)

Table-3 Remote controller wiring (L6, L7)

Wiring	2-core, non-polarity
Size	0.5 mm ² to 2.0 mm ²
Length	<ul style="list-style-type: none"> • Up to 500 m (L6 + L7) • Up 400 m in case of wireless remote controller in group control. • Up to 200 m total length of communication wiring between indoor units (L6)



5-1. Specifications

Standard model 60Hz 220V(208-230V)

Model name		Heat pump		MMY-MAP0806HT5P	MMY-MAP1006HT5P	MMY-MAP1206HT5P	MMY-MAP1406HT5P	
Outdoor unit type				Inverter unit	Inverter unit	Inverter unit	Inverter unit	
Cooling capacity (*1)		kW		22.4	28.0	33.5	40.0	
Heating capacity (*1)		kW		25.0	31.5	37.5	45.0	
Capacity range		HP		8	10	12	14	
Power supply				3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)	
Voltage range (*2)		Minimum	V	187	187	187	187	
		Maximum	V	253	253	253	253	
Electrical characteristic (*1)	Cooling	Running current	A	15.0	20.7	26.6	33.2	
		Power input	kW	5.19	7.26	9.41	11.5	
		EER	kW/kW	4.32	3.86	3.56	3.48	
	Heating	Running current	A	15.5	20.2	26.1	30.6	
		Power input	kW	5.38	7.08	9.24	10.6	
		COP	kW/kW	4.65	4.45	4.06	4.25	
Starting current		A	Soft Start	Soft Start	Soft Start	Soft Start		
Dimension		Height	mm	1800	1800	1800	1800	
		Width	mm	990	990	990	1210	
		Depth	mm	780	780	780	780	
Weight		Heat pump		kg	242	242	242	311
Colour				Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)	
Compressor		Type		Hermetic twin rotary compressor	Hermetic twin rotary compressor	Hermetic twin rotary compressor	Hermetic twin rotary compressor	
		Motor output	kW	2.1x2	3.1x2	3.9x2	4.8x2	
Fan unit		Type		Propeller fan	Propeller fan	Propeller fan	Propeller fan	
		Motor output	W	1.0	1.0	1.0	1.0	
		Air volume	m3/h	9700	9700	12200	12200	
Max. external static pressure		Pa		60	60	50	50	
Heat exchanger				Finned tube	Finned tube	Finned tube	Finned tube	
Refrigerant		Name		R410A	R410A	R410A	R410A	
		Charge	Heat pump	kg	11.5	11.5	11.5	11.5
High-pressure switch		Pa		OFF:3.2 ON:4.15	OFF:3.2 ON:4.15	OFF:3.2 ON:4.15	OFF:3.2 ON:4.15	
Protective devices				(*3)	(*3)	(*3)	(*3)	
Power supply wiring		MCA (*4)		A	34.0	41.0	46.0	53.0
		MOCP (*5)		A	40.0	50.0	50.0	60.0
Piping connections		Gas	Type	Brazing	Brazing	Brazing	Brazing	
			Diameter	mm	19.1	22.2	28.6	28.6
		Liquid	Type	Flare	Flare	Flare	Flare	
			Diameter	mm	12.7	12.7	12.7	15.9
		Balance	Type	Flare	Flare	Flare	Flare	
			Diameter	mm	9.5	9.5	9.5	9.5
Max. number of connected indoor units				13	16	20	23	
Sound pressure level		Cooling	dB(A)	55.0	57.0	59.0	60.0	
		Heating	dB(A)	56.0	58.0	61.0	62.0	
Sound power level		Cooling	dB(A)	74.0	74.0	80.0	80.0	
		Heating	dB(A)	74.0	74.0	82.0	82.0	
Operation temperature range		Cooling	CDB	-5.0 to 46.0	-5.0 to 46.0	-5.0 to 46.0	-5.0 to 46.0	
		Heating(*6)	CWB	-25.0 to 15.5	-25.0 to 15.5	-25.0 to 15.5	-25.0 to 15.5	

Note

(*1) Rated conditions

Cooling : Indoor 27 degC Dry Bulb /19 degC Wet Bulb , Outdoor 35 degC Dry Bulb.

Heating : Indoor 20 degC Dry Bulb , Outdoor 7 degC Dry Bulb / 6 degC WetBulb.

Based on equivalent piping length of 7.5m and piping height difference of 0m.

(*2) Voltage range : Units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.

(*3) Discharge temp. sensor / Suction temp. sensor / High-pressure sensor / Low-pressure sensor / Compressor case thermostat / PC board fuse

(*4) Select wire size base on the larger value of MCA.

MCA : Minimum Circuit Amps

(*5) MOCP : Maximum Overcurrent Protection(Amps)

(*6) Low ambient heating (-20degC or less) for extended periods of time is not allowed

Standard model 60Hz 220V(208-230V)

Model name		Heat pump		MMY-MAP1606HT5P	MMY-MAP1806HT5P	MMY-MAP2006HT5P
Outdoor unit type				Inverter unit	Inverter unit	Inverter unit
Cooling capacity (*1)			kW	45.0	50.4	56.0
Heating capacity (*1)			kW	50.0	56.0	63.0
Capacity range			HP	16	18	20
Power supply				3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)
Voltage range (*2)		Minimum	V	187	187	187
		Maximum	V	253	253	253
Electrical characteristic (*1)	Cooling	Running current	A	38.9	39.9	50.4
		Power input	kW	13.6	14.0	17.9
		EER	kW/kW	3.31	3.60	3.13
	Heating	Running current	A	35.6	38.9	46.1
		Power input	kW	12.5	13.6	16.5
		COP	kW/kW	4.00	4.12	3.82
Starting current		A	Soft Start	Soft Start	Soft Start	
Dimension		Height	mm	1800	1800	1800
		Width	mm	1210	1600	1600
		Depth	mm	780	780	780
Weight	Heat pump		kg	311	380	380
Colour				Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)
Compressor		Type		Hermetic twin rotary compressor	Hermetic twin rotary compressor	Hermetic twin rotary compressor
		Motor output	kW	5.8x2	6.5x2	7.6x2
Fan unit		Type		Propeller fan	Propeller fan	Propeller fan
		Motor output	kW	1.0	2.0	2.0
		Air volume	m3/h	12600	17300	17900
Max. external static pressure		Pa		40	50	40
Heat exchanger				Finned tube	Finned tube	Finned tube
Refrigerant		Name		R410A	R410A	R410A
		Charge	Heat pump	kg	11.5	11.5
High-pressure switch		Pa		OFF:3.2 ON:4.15	OFF:3.2 ON:4.15	OFF:3.2 ON:4.15
Protective devices				(*3)	(*3)	(*3)
Power supply wiring		MCA (*4)	A	60.0	70.0	75.0
		MOCP (*5)	A	70.0	80.0	80.0
Piping connections		Gas	Type	Brazing	Brazing	Brazing
			Diameter	mm	28.6	28.6
		Liquid	Type	Flare	Flare	Flare
			Diameter	mm	15.9	15.9
		Balance	Type	Flare	Flare	Flare
			Diameter	mm	9.5	9.5
Max. number of connected indoor units				27	30	33
Sound pressure level		Cooling	dB(A)	62.0	60.0	61.0
		Heating	dB(A)	64.0	61.0	62.0
Sound power level		Cooling	dB(A)	81.0	81.0	82.0
		Heating	dB(A)	83.0	83.0	84.0
Operation temperature range		Cooling	CDB	-5.0 to 46.0	-5.0 to 46.0	-5.0 to 46.0
		Heating(*6)	CWB	-25.0 to 15.5	-25.0 to 15.5	-25.0 to 15.5

Note

(*1) Rated conditions

Cooling : Indoor 27 degC Dry Bulb /19 degC Wet Bulb , Outdoor 35 degC Dry Bulb.

Heating : Indoor 20 degC Dry Bulb, Outdoor 7 degC Dry Bulb / 6 degC WetBulb.

Based on equivalent piping length of 7.5m and piping height difference of 0m.

(*2) Voltage range : Units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.

(*3) Discharge temp. sensor / Suction temp. sensor / High-pressure sensor / Low-pressure sensor / Compressor case thermostat / PC board fuse

(*4) Select wire size base on the larger value of MCA.

MCA : Minimum Circuit Amps

(*5) MOCP : Maximum Overcurrent Protection(Amps)

(*6) Low ambient heating (-20degC or less) for extended periods of time is not allowed

Standard model 60Hz 220V(208-230V)

Model	Name	Heat pump		MMY-AP2216HT5P	MMY-AP2416HT5P	MMY-AP2616HT5P	MMY-AP2816HT5P	
	Combination	Heat pump		MMY-MAP1206HT5P	MMY-MAP1206HT5P	MMY-MAP1406HT5P	MMY-MAP1606HT5P	
				MMY-MAP1006HT5P	MMY-MAP1206HT5P	MMY-MAP1206HT5P	MMY-MAP1206HT5P	
Outdoor unit type				Inverter unit	Inverter unit	Inverter unit	Inverter unit	
Cooling capacity (*1)			kW	61.5	67.0	73.5	78.5	
Heating capacity (*1)			kW	69.0	75.0	82.5	87.5	
Capacity range			HP	22	24	26	28	
Power supply				3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)	
Voltage range (*2)		Minimum	V	187	187	187	187	
		Maximum	V	253	253	253	253	
Electrical characteristic (*1)	Cooling	Running current	A	47.3	53.2	59.8	65.5	
		Power input	kW	16.7	18.8	20.9	23.0	
		EER	kW/kW	3.69	3.56	3.52	3.41	
	Heating	Running current	A	46.3	52.2	56.7	61.7	
		Power input	kW	16.3	18.5	19.8	21.7	
		COP	kW/kW	4.23	4.06	4.16	4.02	
	Starting current		A	Soft Start	Soft Start	Soft Start	Soft Start	
Weight	Heat pump		kg	242 + 242	242 + 242	311 + 242	311 + 242	
Colour				Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)	
Compressor	Type			Hermetic twin rotary compressor	Hermetic twin rotary compressor	Hermetic twin rotary compressor	Hermetic twin rotary compressor	
	Motor output			kW	3.9x2 +3.1x2	3.9x2 +3.9x2	4.8x2 +3.9x2	5.8x2 +3.9x2
Fan unit	Fan			Propeller fan	Propeller fan	Propeller fan	Propeller fan	
	Motor output			kW	1.0 + 1.0	1.0 + 1.0	1.0 + 1.0	1.0 + 1.0
	Air volume			m3/h	12200 + 9700	12200 + 12200	12200 + 12200	12600 + 12200
Max. external static pressure				Pa	50	50	50	40
Heat exchanger				Finned tube	Finned tube	Finned tube	Finned tube	
Refrigerant	Name			R410A	R410A	R410A	R410A	
	Charge	Heat pump		kg	11.5 + 11.5	11.5 + 11.5	11.5 + 11.5	11.5 + 11.5
High-pressure switch				OFF:3.2 ON:4.15	OFF:3.2 ON:4.15	OFF:3.2 ON:4.15	OFF:3.2 ON:4.15	
Protective devices				(*3)	(*3)	(*3)	(*3)	
Power supply wiring		MCA (*4)	A	46+41	46+46	53+46	60+46	
		MOCP (*5)	A	50+50	50+50	60+50	70+50	
Piping connections	Gas	Type		Brazing	Brazing	Brazing	Brazing	
		Diameter		mm	28.6	34.9	34.9	34.9
	Liquid	Type		Flare	Flare	Flare	Flare	
		Diameter		mm	19.1	19.1	19.1	19.1
	Balance	Type		Flare	Flare	Flare	Flare	
		Diameter		mm	9.5	9.5	9.5	9.5
Max. number of connected indoor units				37	40	43	47	
Sound pressure level		Cooling	dB(A)	61.5	62.0	62.5	64.0	
		Heating	dB(A)	63.0	64.0	64.5	66.0	
Sound power level		Cooling	dB(A)	81.0	83.0	83.0	83.5	
		Heating	dB(A)	83.0	85.0	85.0	85.5	
Operation temperature range		Cooling	CDB	-5.0 to 46.0	-5.0 to 46.0	-5.0 to 46.0	-5.0 to 46.0	
		Heating(*6)	CWB	-25.0 to 15.5	-25.0 to 15.5	-25.0 to 15.5	-25.0 to 15.5	

Note

(*1) Rated conditions

Cooling : Indoor 27 degC Dry Bulb /19 degC Wet Bulb , Outdoor 35 degC Dry Bulb.

Heating : Indoor 20 degC Dry Bulb, Outdoor 7 degC Dry Bulb / 6 degC WetBulb.

Based on equivalent piping length of 7.5m and piping height difference of 0m.

(*2) Voltage range : Units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.

(*3) Discharge temp. sensor / Suction temp. sensor / High-pressure sensor / Low-pressure sensor / Compressor case thermostat / PC board fuse

(*4) Select wire size base on the larger value of MCA.

MCA : Minimum Circuit Amps

(*5) MOCP : Maximum Overcurrent Protection(Amps)

(*6) Low ambient heating (-20degC or less) for extended periods of time is not allowed

Standard model 60Hz 220V(208-230V)

Model	Name	Heat pump		MMY-AP3016HT5P	MMY-AP3216HT5P	MMY-AP3416HT5P	MMY-AP3616HT5P
	Combination	Heat pump		MMY-MAP1606HT5P	MMY-MAP1606HT5P	MMY-MAP1806HT5P	MMY-MAP2006HT5P
				MMY-MAP1406HT5P	MMY-MAP1606HT5P	MMY-MAP1606HT5P	MMY-MAP1606HT5P
Outdoor unit type				Inverter unit	Inverter unit	Inverter unit	Inverter unit
Cooling capacity (*1)			kW	85.0	90.0	95.4	101.0
Heating capacity (*1)			kW	95.0	100.0	106.0	113.0
Capacity range			HP	30	32	34	36
Power supply				3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)
Voltage range (*2)		Minimum	V	187	187	187	187
		Maximum	V	253	253	253	253
Electrical characteristic (*1)	Cooling	Running current	A	72.0	77.7	78.8	89.6
		Power input	kW	25.1	27.2	27.6	31.5
		EER	kW/kW	3.39	3.31	3.46	3.21
	Heating	Running current	A	66.2	71.2	74.4	83.1
		Power input	kW	23.1	25.0	26.1	29.0
		COP	kW/kW	4.11	4.00	4.06	3.90
	Starting current		A	Soft Start	Soft Start	Soft Start	Soft Start
Weight	Heat pump	kg	311 + 311	311 + 311	380 + 311	380 + 311	
Colour				Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)
Compressor	Type			Hermetic twin rotary compressor	Hermetic twin rotary compressor	Hermetic twin rotary compressor	Hermetic twin rotary compressor
	Motor output		kW	5.8x2 + 4.8x2	5.8x2 + 5.8x2	6.5x2 + 5.8x2	7.6x2 + 5.8x2
Fan unit	Fan			Propeller fan	Propeller fan	Propeller fan	Propeller fan
	Motor output		kW	1.0 + 1.0	1.0 + 1.0	2.0 + 1.0	2.0 + 1.0
	Air volume		m3/h	12600 + 12200	12600 + 12600	17300 + 12600	17900 + 12600
Max. external static pressure			Pa	40	40	40	40
Heat exchanger				Finned tube	Finned tube	Finned tube	Finned tube
Refrigerant	Name			R410A	R410A	R410A	R410A
	Charge	Heat pump	kg	11.5 + 11.5	11.5 + 11.5	11.5 + 11.5	11.5 + 11.5
High-pressure switch				OFF:3.2 ON:4.15	OFF:3.2 ON:4.15	OFF:3.2 ON:4.15	OFF:3.2 ON:4.15
Protective devices				(*3)	(*3)	(*3)	(*3)
Power supply wiring		MCA (*4)	A	60+53	60+60	70+60	75+60
		MOCP (*5)	A	70+60	70+70	80+70	80+70
Piping connections	Gas	Type		Brazing	Brazing	Brazing	Brazing
		Diameter	mm	34.9	34.9	34.9	41.3
	Liquid	Type		Flare	Flare	Flare	Flare
		Diameter	mm	19.1	19.1	19.1	22.2
	Balance	Type		Flare	Flare	Flare	Flare
		Diameter	mm	9.5	9.5	9.5	9.5
Max. number of connected indoor units				50	54	57	60
Sound pressure level		Cooling	dB(A)	64.5	65.0	64.5	64.5
		Heating	dB(A)	66.5	67.0	66.0	66.5
Sound power level		Cooling	dB(A)	83.5	84.0	84.0	84.5
		Heating	dB(A)	85.5	86.0	86.0	86.5
Operation temperature range		Cooling	CDB	-5.0 to 46.0	-5.0 to 46.0	-5.0 to 46.0	-5.0 to 46.0
		Heating(*6)	CWB	-25.0 to 15.5	-25.0 to 15.5	-25.0 to 15.5	-25.0 to 15.5

Note

(*1) Rated conditions

Cooling : Indoor 27 degC Dry Bulb /19 degC Wet Bulb , Outdoor 35 degC Dry Bulb.

Heating : Indoor 20 degC Dry Bulb, Outdoor 7 degC Dry Bulb / 6 degC WetBulb.

Based on equivalent piping length of 7.5m and piping height difference of 0m.

(*2) Voltage range : Units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.

(*3) Discharge temp. sensor / Suction temp. sensor / High-pressure sensor / Low-pressure sensor / Compressor case thermostat / PC board fuse

(*4) Select wire size base on the larger value of MCA.

MCA : Minimum Circuit Amps

(*5) MOCP : Maximum Overcurrent Protection(Amps)

(*6) Low ambient heating (-20degC or less) for extended periods of time is not allowed

Standard model 60Hz 220V(208-230V)

Model	Name	Heat pump		MMY-AP3816HT5P	MMY-AP4016HT5P
	Combination	Heat pump		MMY-MAP2006HT5P	MMY-MAP2006HT5P
				MMY-MAP1806HT5P	MMY-MAP2006HT5P
Outdoor unit type				Inverter unit	Inverter unit
Cooling capacity (*1)			kW	106.4	112.0
Heating capacity (*1)			kW	119.0	126.0
Capacity range			HP	38	40
Power supply				3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)
Voltage range (*2)		Minimum	V	187	187
		Maximum	V	253	253
Electrical characteristic (*1)	Cooling	Running current	A	90.3	100.9
		Power input	kW	31.9	35.8
		EER	kW/kW	3.34	3.13
	Heating	Running current	A	85.0	92.2
		Power input	kW	30.1	33.0
		COP	kW/kW	3.95	3.82
Starting current		A	Soft Start	Soft Start	
Weight	Heat pump	kg	380 + 380	380 + 380	
Colour				Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)
Compressor	Type			Hermetic twin rotary compressor	Hermetic twin rotary compressor
	Motor output	kW		7.6x2 + 6.5x2	7.6x2 + 7.6x2
Fan unit	Fan			Propeller fan	Propeller fan
	Motor output	kW		2.0 + 2.0	2.0 + 2.0
	Air volume	m3/h		17900 + 17300	17900 + 17900
Max. external static pressure			Pa	40	40
Heat exchanger				Finned tube	Finned tube
Refrigerant	Name			R410A	R410A
	Charge	Heat pump	kg	11.5 + 11.5	11.5 + 11.5
High-pressure switch				OFF:3.2 ON:4.15	OFF:3.2 ON:4.15
Protective devices				(*3)	(*3)
Power supply wiring		MCA (*4)	A	75+70	75+75
		MOCP (*5)	A	80+80	80+80
Piping connections	Gas	Type		Brazing	Brazing
		Diameter	mm	41.3	41.3
	Liquid	Type		Flare	Flare
		Diameter	mm	22.2	22.2
	Balance	Type		Flare	Flare
		Diameter	mm	9.5	9.5
Max. number of connected indoor units				64	64
Sound pressure level		Cooling	dB(A)	63.5	64.0
		Heating	dB(A)	64.5	65.0
Sound power level		Cooling	dB(A)	84.5	85.0
		Heating	dB(A)	86.5	87.0
Operation temperature range		Cooling	CDB	-5.0 to 46.0	-5.0 to 46.0
		Heating(*6)	CWB	-25.0 to 15.5	-25.0 to 15.5

Note

(*1) Rated conditions

Cooling : Indoor 27 degC Dry Bulb /19 degC Wet Bulb , Outdoor 35 degC Dry Bulb.

Heating : Indoor 20 degC Dry Bulb , Outdoor 7 degC Dry Bulb / 6 degC WetBulb.

Based on equivalent piping length of 7.5m and piping height difference of 0m.

(*2) Voltage range : Units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.

(*3) Discharge temp. sensor / Suction temp. sensor / High-pressure sensor / Low-pressure sensor / Compressor case thermostat / PC board fuse

(*4) Select wire size base on the larger value of MCA.

MCA : Minimum Circuit Amps

(*5) MOCP : Maximum Overcurrent Protection(Amps)

(*6) Low ambient heating (-20degC or less) for extended periods of time is not allowed



Standard model 60Hz 220V(208-230V)

Model	Name	Heat pump		MMY-AP4216HT5P	MMY-AP4416HT5P	MMY-AP4616HT5P	MMY-AP4816HT5P	
	Combination	Heat pump		MMY-MAP1606HT5P	MMY-MAP1606HT5P	MMY-MAP1606HT5P	MMY-MAP1606HT5P	
				MMY-MAP1406HT5P	MMY-MAP1606HT5P	MMY-MAP1606HT5P	MMY-MAP1606HT5P	
				MMY-MAP1206HT5P	MMY-MAP1206HT5P	MMY-MAP1406HT5P	MMY-MAP1606HT5P	
Outdoor unit type			Inverter unit				Inverter unit	
Cooling capacity (*1)			kW		118.5	123.5	130.0	
Heating capacity (*1)			kW		132.5	137.5	145.0	
Capacity range			HP		42	44	46	
Power supply			3~ 60Hz 220V(208-230V)				3~ 60Hz 220V(208-230V)	
Voltage range (*2)			Minimum	V		187	187	
			Maximum	V		253	253	
Electrical characteristic (*1)			Cooling	Running current	A		100.7	
				Power input	kW		34.5	36.6
				EER	kW/kW		3.43	3.37
			Heating	Running current	A		92.5	97.3
				Power input	kW		32.3	34.2
				COP	kW/kW		4.10	4.02
			Starting current	A		Soft Start	Soft Start	Soft Start
Weight	Heat pump		kg		311 + 311 + 242	311 + 311 + 242	311 + 311 + 311	
Colour			Silky shade (Munsell 1Y8.5/0.5)				Silky shade (Munsell 1Y8.5/0.5)	
Compressor			Type	Hermetic twin rotary compressor				
			Motor output	kW		5.8x2 + 4.8x2 + 3.9x2	5.8x2 + 5.8x2 + 3.9x2	5.8x2 + 5.8x2 + 4.8x2
Fan unit			Fan		Propeller fan			
			Motor output	kW		1.0 + 1.0 + 1.0	1.0 + 1.0 + 1.0	1.0 + 1.0 + 1.0
			Air volume	m3/h		12600 12200 + 12200	12600 + 12600 + 12200	12600 + 12600 + 12200
Max. external static pressure			Pa		40			
Heat exchanger			Finned tube				Finned tube	
Refrigerant			Name	R410A				
			Charge	kg		11.5 + 11.5 + 11.5	11.5 + 11.5 + 11.5	11.5 + 11.5 + 11.5
High-pressure switch			Pa		OFF:3.2 ON:4.15			
Protective devices			(*3)				(*3)	
Power supply wiring			MCA (*4)	A		60+53+46	60+60+46	
			MOCP (*5)	A		70+60+50	70+70+50	70+70+60
Piping connections			Gas	Type	Brazeing			
				Diameter	mm		41.3	41.3
			Liquid	Type	Flare			
				Diameter	mm		22.2	22.2
			Balance	Type	Flare			
				Diameter	mm		9.5	9.5
Max. number of connected indoor units			64				64	
Sound pressure level			Cooling	dB(A)		65.5	66.0	
			Heating	dB(A)		67.5	68.0	
Sound power level			Cooling	dB(A)		85.5	85.5	
			Heating	dB(A)		87.5	87.5	
Operation temperature range			Cooling	CDB		-5.0 to 46.0	-5.0 to 46.0	
			Heating(*6)	CWB		-25.0 to 15.5	-25.0 to 15.5	

Note

(*1) Rated conditions Cooling : Indoor 27 degC Dry Bulb /19 degC Wet Bulb , Outdoor 35 degC Dry Bulb.

Heating : Indoor 20 degC Dry Bulb, Outdoor 7 degC Dry Bulb / 6 degC WetBulb.

Based on equivalent piping length of 7.5m and piping height difference of 0m.

(*2) Voltage range : Units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.

(*3) Discharge temp. sensor / Suction temp. sensor / High-pressure sensor / Low-pressure sensor / Compressor case thermostat / PC board fuse

(*4) Select wire size base on the larger value of MCA.

MCA : Minimum Circuit Amps

(*5) MOCP : Maximum Overcurrent Protection(Amps)

(*6) Low ambient heating (-20degC or less) for extended periods of time is not allowed


Standard model 60Hz 220V(208-230V)

Model	Name	Heat pump		MMY-AP5016HT5P	MMY-AP5216HT5P	MMY-AP5416HT5P	MMY-AP5616HT5P
	Combination	Heat pump		MMY-MAP1806HT5P	MMY-MAP2006HT5P	MMY-MAP2006HT5P	MMY-MAP2006HT5P
				MMY-MAP1606HT5P	MMY-MAP1606HT5P	MMY-MAP2006HT5P	MMY-MAP2006HT5P
				MMY-MAP1606HT5P	MMY-MAP1606HT5P	MMY-MAP1406HT5P	MMY-MAP1606HT5P
Outdoor unit type			Inverter unit	Inverter unit	Inverter unit	Inverter unit	
Cooling capacity (*1)		kW	140.4	146.0	152.0	157.0	
Heating capacity (*1)		kW	156.0	163.0	171.0	176.0	
Capacity range		HP	50	52	54	56	
Power supply			3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)	
Voltage range (*2)		Minimum	V	187	187	187	187
		Maximum	V	253	253	253	253
Electrical characteristic (*1)	Cooling	Running current	A	117.6	128.7	134.0	139.7
		Power input	kW	41.2	45.1	47.3	49.4
		EER	kW/kW	3.41	3.24	3.21	3.18
	Heating	Running current	A	110.0	118.7	122.8	127.8
		Power input	kW	38.6	41.5	43.6	45.5
		COP	kW/kW	4.04	3.93	3.92	3.87
	Starting current	A	Soft Start	Soft Start	Soft Start	Soft Start	
Weight	Heat pump	kg	380 + 311 + 311	380 + 311 + 311	380 + 380 + 311	380 + 380 + 311	
Colour			Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)	
Compressor	Type		Hermetic twin rotary compressor	Hermetic twin rotary compressor	Hermetic twin rotary compressor	Hermetic twin rotary compressor	
	Motor output	kW	6.5x2 + 5.8x2 + 5.8x2	7.6x2 + 5.8x2 + 5.8x2	7.6x2 + 7.6x2 + 4.8x2	7.6x2 + 7.6x2 + 5.8x2	
Fan unit	Fan		Propeller fan	Propeller fan	Propeller fan	Propeller fan	
	Motor output	kW	2.0 + 1.0 + 1.0	2.0 + 1.0 + 1.0	2.0 + 2.0 + 1.0	2.0 + 2.0 + 1.0	
	Air volume	m3/h	17300 + 12600 + 12600	17900 + 12600 + 12600	17900 + 17900 + 12200	17900 + 17900 + 12600	
Max. external static pressure		Pa	40	40	40	40	
Heat exchanger			Finned tube	Finned tube	Finned tube	Finned tube	
Refrigerant	Name		R410A	R410A	R410A	R410A	
	Charge	Heat pump	kg	11.5 + 11.5 + 11.5	11.5 + 11.5 + 11.5	11.5 + 11.5 + 11.5	11.5 + 11.5 + 11.5
High-pressure switch		Pa	OFF:3.2 ON:4.15	OFF:3.2 ON:4.15	OFF:3.2 ON:4.15	OFF:3.2 ON:4.15	
Protective devices			(*3)	(*3)	(*3)	(*3)	
Power supply wiring		MCA (*4)	A	70+60+60	75+60+60	75+75+53	75+75+60
		MOCP (*5)	A	80+70+70	80+70+70	80+80+60	80+80+70
Piping connections	Gas	Type		Brazing	Brazing	Brazing	Brazing
		Diameter	mm	41.3	41.3	41.3	41.3
	Liquid	Type		Flare	Flare	Flare	Flare
		Diameter	mm	22.2	22.2	22.2	22.2
	Balance	Type		Flare	Flare	Flare	Flare
		Diameter	mm	9.5	9.5	9.5	9.5
Max. number of connected indoor units			64	64	64	64	
Sound pressure level		Cooling	dB(A)	66.5	66.5	65.5	66.5
		Heating	dB(A)	68.0	68.5	67.0	67.5
Sound power level		Cooling	dB(A)	86.0	86.5	86.5	86.5
		Heating	dB(A)	88.0	88.5	88.5	88.5
Operation temperature range		Cooling	CDB	-5.0 to 46.0	-5.0 to 46.0	-5.0 to 46.0	-5.0 to 46.0
		Heating(*6)	CWB	-25.0 to 15.5	-25.0 to 15.5	-25.0 to 15.5	-25.0 to 15.5

Note

(*1) Rated conditions

Cooling : Indoor 27 degC Dry Bulb /19 degC Wet Bulb , Outdoor 35 degC Dry Bulb.

Heating : Indoor 20 degC Dry Bulb , Outdoor 7 degC Dry Bulb / 6 degC WetBulb.

Based on equivalent piping length of 7.5m and piping height difference of 0m.

(*2) Voltage range : Units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.

(*3) Discharge temp. sensor / Suction temp. sensor / High-pressure sensor / Low-pressure sensor / Compressor case thermostat / PC board fuse

(*4) Select wire size base on the larger value of MCA.

MCA : Minimum Circuit Amps

(*5) MOCP : Maximum Overcurrent Protection(Amps)

(*6) Low ambient heating (-20degC or less) for extended periods of time is not allowed



High efficiency model 60Hz 220V(208-230V)

Model	Name	Heat pump		MMY-AP2026HT5P	MMY-AP3626HT5P	MMY-AP3826HT5P	MMY-AP4026HT5P
	Combination	Heat pump		MMY-MAP1006HT5P	MMY-MAP1206HT5P	MMY-MAP1406HT5P	MMY-MAP1406HT5P
				MMY-MAP1006HT5P	MMY-MAP1206HT5P	MMY-MAP1206HT5P	MMY-MAP1406HT5P
				MMY-MAP1206HT5P	MMY-MAP1206HT5P	MMY-MAP1206HT5P	
Outdoor unit type				Inverter unit	Inverter unit	Inverter unit	Inverter unit
Cooling capacity (*1)			kW	56.0	100.5	107.0	113.5
Heating capacity (*1)			kW	63.0	112.5	120.0	127.5
Capacity range			HP	20	36	38	40
Power supply				3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)
Voltage range (*2)		Minimum	V	187	187	187	187
		Maximum	V	253	253	253	253
Electrical characteristic (*1)	Cooling	Running current	A	41.5	79.8	86.4	92.9
		Power input	kW	14.5	28.2	30.3	32.4
		EER	kW/kW	3.86	3.56	3.53	3.50
	Heating	Running current	A	40.4	78.2	82.7	87.2
		Power input	kW	14.2	27.7	29.1	30.4
		COP	kW/kW	4.45	4.06	4.13	4.19
	Starting current	A	Soft Start		Soft Start	Soft Start	Soft Start
Weight	Heat pump	kg	242 + 242	242 + 242 + 242	311 + 242 + 242	311 + 311 + 242	
Colour				Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)
Compressor	Type	Hermetic twin rotary compressor			Hermetic twin rotary compressor	Hermetic twin rotary compressor	Hermetic twin rotary compressor
	Motor output	kW	3.1x2 + 3.1x2	3.9x2 + 3.9x2 + 3.9x2	4.8x2 + 3.9x2 + 3.9x2	4.8x2 + 4.8x2 + 3.9x2	
Fan unit	Fan	Propeller fan			Propeller fan	Propeller fan	Propeller fan
	Motor output	kW	1.0 + 1.0	1.0 + 1.0 + 1.0	1.0 + 1.0 + 1.0	1.0 + 1.0 + 1.0	
	Air volume	m3/h	9700 + 9700	12200 + 12200 + 12200	12200 + 12200 + 12200	12200 + 12200 + 12200	
Max. external static pressure			Pa	60	50	50	50
Heat exchanger				Finned tube	Finned tube	Finned tube	Finned tube
Refrigerant	Name	R410A			R410A	R410A	R410A
	Charge	Heat pump	kg	11.5 + 11.5	11.5 + 11.5 + 11.5	11.5 + 11.5 + 11.5	11.5 + 11.5 + 11.5
High-pressure switch			Pa	OFF:3.2 ON:4.15	OFF:3.2 ON:4.15	OFF:3.2 ON:4.15	OFF:3.2 ON:4.15
Protective devices				(*3)	(*3)	(*3)	(*3)
Power supply wiring	MCA (*4)	A	41+41	46+46+46	53+46+46	53+53+46	
	MOCP (*5)	A	50+50	50+50+50	60+50+50	60+60+50	
Piping connections	Gas	Type	Brazing			Brazing	Brazing
		Diameter	mm	28.6	41.3	41.3	41.3
	Liquid	Type	Flare			Flare	Flare
		Diameter	mm	15.9	22.2	22.2	22.2
	Balance	Type	Flare			Flare	Flare
		Diameter	mm	9.5	9.5	9.5	9.5
Max. number of connected indoor units				33	60	64	64
Sound pressure level	Cooling	dB(A)	60.0	64.0	64.5	64.5	
	Heating	dB(A)	61.0	66.0	66.5	66.5	
Sound power level	Cooling	dB(A)	77.0	85.0	85.0	85.0	
	Heating	dB(A)	77.0	87.0	87.0	87.0	
Operation temperature range	Cooling	CDB	-5.0 to 46.0	-5.0 to 46.0	-5.0 to 46.0	-5.0 to 46.0	
	Heating(*6)	CWB	-25.0 to 15.5	-25.0 to 15.5	-25.0 to 15.5	-25.0 to 15.5	

Note
 (*1) Rated conditions Cooling : Indoor 27 degC Dry Bulb /19 degC Wet Bulb , Outdoor 35 degC Dry Bulb.
 Heating : Indoor 20 degC Dry Bulb, Outdoor 7 degC Dry Bulb / 6 degC WetBulb.
 Based on equivalent piping length of 7.5m and piping height difference of 0m.
 (*2) Voltage range : Units are sui Cooling : Indoor 27 degC Dry Bulb /19 degC Wet Bulb , Outdoor 46 degC Dry Bulb.
 (*3) Discharge temp. sensor / Su Based on equivalent piping length of 7.5m and piping height difference of 0m.
 (*4) Select wire size base on the larger value of MCA.
 MCA : Minimum Circuit Amps
 (*5) MOCP : Maximum Overcurrent Protection(Amps)
 (*6) Low ambient heating (-20degC or less) for extended periods of time is not allowed

Standard model 60Hz 220V(208-230V)

Model name		Cooling only		MMY-MAP0806T5P	MMY-MAP1006T5P	MMY-MAP1206T5P	MMY-MAP1406T5P
Outdoor unit type				Inverter unit	Inverter unit	Inverter unit	Inverter unit
Cooling capacity (*1)		kW		22.4	28.0	33.5	40.0
Heating capacity (*1)		kW		-	-	-	-
Capacity range		HP		8	10	12	14
Power supply				3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)
Voltage range (*2)		Minimum	V	187	187	187	187
		Maximum	V	253	253	253	253
Electrical characteristic (*1)	Cooling	Running current	A	15.0	20.7	26.6	33.2
		Power input	kW	5.19	7.26	9.41	11.5
		EER	kW/kW	4.32	3.86	3.56	3.48
	Heating	Running current	A	-	-	-	-
		Power input	kW	-	-	-	-
		COP	kW/kW	-	-	-	-
Starting current		A		Soft Start	Soft Start	Soft Start	Soft Start
Dimension		Height	mm	1800	1800	1800	1800
		Width	mm	990	990	990	1210
		Depth	mm	780	780	780	780
Weight		Heat pump	kg	240	240	240	310
Colour				Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)
Compressor		Type		Hermetic twin rotary compressor	Hermetic twin rotary compressor	Hermetic twin rotary compressor	Hermetic twin rotary compressor
		Motor output	kW	2.1x2	3.1x2	3.9x2	4.8x2
Fan unit		Type		Propeller fan	Propeller fan	Propeller fan	Propeller fan
		Motor output	W	1.0	1.0	1.0	1.0
		Air volume	m3/h	9700	9700	12200	12200
Max. external static pressure		Pa		60	60	50	50
Heat exchanger				Finned tube	Finned tube	Finned tube	Finned tube
Refrigerant		Name		R410A	R410A	R410A	R410A
		Charge	Heat pump	kg	10.5	10.5	10.5
High-pressure switch		Pa		OFF:3.2 ON:4.15	OFF:3.2 ON:4.15	OFF:3.2 ON:4.15	OFF:3.2 ON:4.15
Protective devices				(*3)	(*3)	(*3)	(*3)
Power supply wiring		MCA (*4)	A	34.0	41.0	46.0	53.0
		MOCP (*5)	A	40.0	50.0	50.0	60.0
Piping connections		Gas	Type	Brazing	Brazing	Brazing	Brazing
			Diameter	mm	19.1	22.2	28.6
		Liquid	Type	Flare	Flare	Flare	Flare
			Diameter	mm	12.7	12.7	12.7
		Balance	Type	Flare	Flare	Flare	Flare
			Diameter	mm	9.5	9.5	9.5
Max. number of connected indoor units				17	18	20	25
Sound pressure level		Cooling	dB(A)	55.0	57.0	59.0	60.0
		Heating	dB(A)	-	-	-	-
Sound power level		Cooling	dB(A)	74.0	74.0	80.0	80.0
		Heating	dB(A)	-	-	-	-
Operation temperature range		Cooling	CDB	-5.0 to 46.0	-5.0 to 46.0	-5.0 to 46.0	-5.0 to 46.0
		Heating(*6)	CWB	-	-	-	-

Note

(*1) Rated conditions Cooling : Indoor 27 degC Dry Bulb /19 degC Wet Bulb , Outdoor 35 degC Dry Bulb.

Heating : Indoor 20 degC Dry Bulb , Outdoor 7 degC Dry Bulb / 6 degC WetBulb.

Based on equivalent piping length of 7.5m and piping height difference of 0m.

(*2) Voltage range : Units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.

(*3) Discharge temp. sensor / Suction temp. sensor / High-pressure sensor / Low-pressure sensor / Compressor case thermostat / PC board fuse

(*4) Select wire size base on the larger value of MCA.

MCA : Minimum Circuit Amps

(*5) MOCP : Maximum Overcurrent Protection(Amps)

(*6) Low ambient heating (-20degC or less) for extended periods of time is not allowed



Standard model 60Hz 220V(208-230V)

Model name		Cooling only		MMY-MAP1606T5P	MMY-MAP1806T5P	MMY-MAP2006T5P	
Outdoor unit type				Inverter unit	Inverter unit	Inverter unit	
Cooling capacity (*1)		kW		45.0	50.4	56.0	
Heating capacity (*1)		kW		-	-	-	
Capacity range		HP		16	18	20	
Power supply				3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)	
Voltage range (*2)		Minimum	V	187	187	187	
		Maximum	V	253	253	253	
Electrical characteristic (*1)		Cooling	Running current	A	38.9	39.9	50.4
			Power input	kW	13.6	14.0	17.9
			EER	kW/kW	3.31	3.60	3.13
		Heating	Running current	A	-	-	-
			Power input	kW	-	-	-
			COP	kW/kW	-	-	-
		Starting current	A	Soft Start	Soft Start	Soft Start	
Dimension		Height	mm	1800	1800	1800	
		Width	mm	1210	1600	1600	
		Depth	mm	780	780	780	
Weight		Heat pump	kg	310	379	379	
Colour				Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)	
Compressor		Type		Hermetic twin rotary compressor	Hermetic twin rotary compressor	Hermetic twin rotary compressor	
		Motor output	kW	5.8x2	6.5x2	7.6x2	
Fan unit		Type		Propeller fan	Propeller fan	Propeller fan	
		Motor output	kW	1.0	2.0	2.0	
		Air volume	m3/h	12600	17300	17900	
Max. external static pressure		Pa		40	50	40	
Heat exchanger				Finned tube	Finned tube	Finned tube	
Refrigerant		Name		R410A	R410A	R410A	
		Charge	Heat pump	kg	11.5	11.5	11.5
High-pressure switch		Pa		OFF:3.2 ON:4.15	OFF:3.2 ON:4.15	OFF:3.2 ON:4.15	
Protective devices				(*3)	(*3)	(*3)	
Power supply wiring		MCA (*4)	A	60.0	70.0	75.0	
		MOCP (*5)	A	70.0	80.0	80.0	
Piping connections		Gas	Type	Brazing	Brazing	Brazing	
			Diameter	mm	28.6	28.6	28.6
		Liquid	Type	Flare	Flare	Flare	
			Diameter	mm	15.9	15.9	15.9
		Balance	Type	Flare	Flare	Flare	
			Diameter	mm	9.5	9.5	9.5
Max. number of connected indoor units				27	33	35	
Sound pressure level		Cooling	dB(A)	62.0	60.0	61.0	
		Heating	dB(A)	-	-	-	
Sound power level		Cooling	dB(A)	81.0	81.0	82.0	
		Heating	dB(A)	-	-	-	
Operation temperature range		Cooling	CDB	-5.0 to 46.0	-5.0 to 46.0	-5.0 to 46.0	
		Heating(*6)	CWB	-	-	-	

Note

(*1) Rated conditions Cooling : Indoor 27 degC Dry Bulb /19 degC Wet Bulb , Outdoor 35 degC Dry Bulb.
Heating : Indoor 20 degC Dry Bulb , Outdoor 7 degC Dry Bulb / 6 degC WetBulb.
Based on equivalent piping length of 7.5m and piping height difference of 0m.

(*2) Voltage range : Units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.

(*3) Discharge temp. sensor / Suction temp. sensor / High-pressure sensor / Low-pressure sensor / Compressor case thermostat / PC board fuse

(*4) Select wire size base on the larger value of MCA.

MCA : Minimum Circuit Amps

(*5) MOCP : Maximum Overcurrent Protection(Amps)

(*6) Low ambient heating (-20degC or less) for extended periods of time is not allowed

Standard model 60Hz 220V(208-230V)

Model	Name	Cooling only		MMY-AP2216T5P	MMY-AP2416T5P	MMY-AP2616T5P	MMY-AP2816T5P
	Combination	Cooling only		MMY-MAP1206T5P	MMY-MAP1206T5P	MMY-MAP1406T5P	MMY-MAP1606T5P
				MMY-MAP1006T5P	MMY-MAP1206T5P	MMY-MAP1206T5P	MMY-MAP1206T5P
Outdoor unit type				Inverter unit	Inverter unit	Inverter unit	Inverter unit
Cooling capacity (*1)			kW	61.5	67.0	73.5	78.5
Heating capacity (*1)			kW	-	-	-	-
Capacity range			HP	22	24	26	28
Power supply				3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)
Voltage range (*2)		Minimum	V	187	187	187	187
		Maximum	V	253	253	253	253
Electrical characteristic (*1)	Cooling	Running current	A	47.3	53.2	59.8	65.5
		Power input	kW	16.7	18.8	20.9	23.0
		EER	kW/kW	3.69	3.56	3.52	3.41
	Heating	Running current	A	-	-	-	-
		Power input	kW	-	-	-	-
		COP	kW/kW	-	-	-	-
	Starting current		A	Soft Start	Soft Start	Soft Start	Soft Start
Weight	Heat pump		kg	240 + 240	240 + 240	310 + 240	310 + 240
Colour				Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)
Compressor	Type			Hermetic twin rotary compressor	Hermetic twin rotary compressor	Hermetic twin rotary compressor	Hermetic twin rotary compressor
	Motor output		kW	3.9x2 + 3.1x2	3.9x2 + 3.9x2	4.8x2 + 3.9x2	5.8x2 + 3.9x2
Fan unit	Fan			Propeller fan	Propeller fan	Propeller fan	Propeller fan
	Motor output		kW	1.0 + 1.0	1.0 + 1.0	1.0 + 1.0	1.0 + 1.0
	Air volume		m3/h	12200 + 9700	12200 + 12200	12200 + 12200	12600 + 12200
Max. external static pressure			Pa	50	50	50	40
Heat exchanger				Finned tube	Finned tube	Finned tube	Finned tube
Refrigerant	Name			R410A	R410A	R410A	R410A
	Charge	Heat pump	kg	10.5 + 10.5	10.5 + 10.5	11.5 + 10.5	11.5 + 10.5
High-pressure switch				OFF:3.2 ON:4.15	OFF:3.2 ON:4.15	OFF:3.2 ON:4.15	OFF:3.2 ON:4.15
Protective devices				(*3)	(*3)	(*3)	(*3)
Power supply wiring		MCA (*4)	A	46+41	46+46	53+46	60+46
		MOCP (*5)	A	50+50	50+50	60+50	70+50
Piping connections	Gas	Type		Brazing	Brazing	Brazing	Brazing
		Diameter	mm	28.6	34.9	34.9	34.9
	Liquid	Type		Flare	Flare	Flare	Flare
		Diameter	mm	19.1	19.1	19.1	19.1
	Balance	Type		Flare	Flare	Flare	Flare
		Diameter	mm	9.5	9.5	9.5	9.5
Max. number of connected indoor units				38	40	45	47
Sound pressure level	Cooling	dB(A)		61.5	62.0	62.5	64.0
	Heating	dB(A)		-	-	-	-
Sound power level	Cooling	dB(A)		81.0	83.0	83.0	83.5
	Heating	dB(A)		-	-	-	-
Operation temperature range	Cooling	CDB		-5.0 to 46.0	-5.0 to 46.0	-5.0 to 46.0	-5.0 to 46.0
	Heating(*6)	CWB		-	-	-	-

Note

(*1) Rated conditions

Cooling : Indoor 27 degC Dry Bulb /19 degC Wet Bulb , Outdoor 35 degC Dry Bulb.

Heating : Indoor 20 degC Dry Bulb, Outdoor 7 degC Dry Bulb / 6 degC WetBulb.

Based on equivalent piping length of 7.5m and piping height difference of 0m.

(*2) Voltage range : Units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.

(*3) Discharge temp. sensor / Suction temp. sensor / High-pressure sensor / Low-pressure sensor / Compressor case thermostat / PC board fuse

(*4) Select wire size base on the larger value of MCA.

MCA : Minimum Circuit Amps

(*5) MOCP : Maximum Overcurrent Protection(Amps)

(*6) Low ambient heating (-20degC or less) for extended periods of time is not allowed

Standard model 60Hz 220V(208-230V)

Model	Name	Cooling only		MMY-AP2216T5P	MMY-AP2416T5P	MMY-AP2616T5P	MMY-AP2816T5P
	Combination	Cooling only		MMY-MAP1206T5P	MMY-MAP1206T5P	MMY-MAP1406T5P	MMY-MAP1606T5P
				MMY-MAP1006T5P	MMY-MAP1206T5P	MMY-MAP1206T5P	MMY-MAP1206T5P
Outdoor unit type				Inverter unit	Inverter unit	Inverter unit	Inverter unit
Cooling capacity (*1)			kW	61.5	67.0	73.5	78.5
Heating capacity (*1)			kW	-	-	-	-
Capacity range			HP	22	24	26	28
Power supply				3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)
Voltage range (*2)		Minimum	V	187	187	187	187
		Maximum	V	253	253	253	253
Electrical characteristic (*1)	Cooling	Running current	A	47.3	53.2	59.8	65.5
		Power input	kW	16.7	18.8	20.9	23.0
		EER	kW/kW	3.69	3.56	3.52	3.41
	Heating	Running current	A	-	-	-	-
		Power input	kW	-	-	-	-
		COP	kW/kW	-	-	-	-
	Starting current		A	Soft Start	Soft Start	Soft Start	Soft Start
Weight	Heat pump	kg	240 + 240	240 + 240	310 + 240	310 + 240	
Colour				Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)
Compressor	Type		Hermetic twin rotary compressor	Hermetic twin rotary compressor	Hermetic twin rotary compressor	Hermetic twin rotary compressor	
	Motor output	kW	3.9x2 + 3.1x2	3.9x2 + 3.9x2	4.8x2 + 3.9x2	5.8x2 + 3.9x2	
Fan unit	Fan		Propeller fan	Propeller fan	Propeller fan	Propeller fan	
	Motor output	kW	1.0 + 1.0	1.0 + 1.0	1.0 + 1.0	1.0 + 1.0	
	Air volume	m3/h	12200 + 9700	12200 + 12200	12200 + 12200	12600 + 12200	
Max. external static pressure			Pa	50	50	50	40
Heat exchanger				Finned tube	Finned tube	Finned tube	Finned tube
Refrigerant	Name		R410A	R410A	R410A	R410A	
	Charge	Heat pump	kg	10.5 + 10.5	10.5 + 10.5	11.5 + 10.5	11.5 + 10.5
High-pressure switch				OFF:3.2 ON:4.15	OFF:3.2 ON:4.15	OFF:3.2 ON:4.15	OFF:3.2 ON:4.15
Protective devices				(*3)	(*3)	(*3)	(*3)
Power supply wiring		MCA (*4)	A	46+41	46+46	53+46	60+46
		MOCP (*5)	A	50+50	50+50	60+50	70+50
Piping connections	Gas	Type		Brazing	Brazing	Brazing	Brazing
		Diameter	mm	28.6	34.9	34.9	34.9
	Liquid	Type		Flare	Flare	Flare	Flare
		Diameter	mm	19.1	19.1	19.1	19.1
	Balance	Type		Flare	Flare	Flare	Flare
		Diameter	mm	9.5	9.5	9.5	9.5
Max. number of connected indoor units				38	40	45	47
Sound pressure level		Cooling	dB(A)	61.5	62.0	62.5	64.0
		Heating	dB(A)	-	-	-	-
Sound power level		Cooling	dB(A)	81.0	83.0	83.0	83.5
		Heating	dB(A)	-	-	-	-
Operation temperature range		Cooling	CDB	-5.0 to 46.0	-5.0 to 46.0	-5.0 to 46.0	-5.0 to 46.0
		Heating(*6)	CWB	-	-	-	-

Note

(*1) Rated conditions

Cooling : Indoor 27 degC Dry Bulb /19 degC Wet Bulb , Outdoor 35 degC Dry Bulb.

Heating : Indoor 20 degC Dry Bulb, Outdoor 7 degC Dry Bulb / 6 degC WetBulb.

Based on equivalent piping length of 7.5m and piping height difference of 0m.

(*2) Voltage range : Units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.

(*3) Discharge temp. sensor / Suction temp. sensor / High-pressure sensor / Low-pressure sensor / Compressor case thermostat / PC board fuse

(*4) Select wire size base on the larger value of MCA.

MCA : Minimum Circuit Amps

(*5) MOCP : Maximum Overcurrent Protection(Amps)

(*6) Low ambient heating (-20degC or less) for extended periods of time is not allowed

Standard model 60Hz 220V(208-230V)

Model	Name	Cooling only		MMY-AP3016T5P	MMY-AP3216T5P	MMY-AP3416T5P	MMY-AP3616T5P
	Combination	Cooling only		MMY-MAP1606T5P	MMY-MAP1606T5P	MMY-MAP1806T5P	MMY-MAP2006T5P
				MMY-MAP1406T5P	MMY-MAP1606T5P	MMY-MAP1606T5P	MMY-MAP1606T5P
Outdoor unit type				Inverter unit	Inverter unit	Inverter unit	Inverter unit
Cooling capacity (*1)			kW	85.0	90.0	95.4	101.0
Heating capacity (*1)			kW	-	-	-	-
Capacity range			HP	30	32	34	36
Power supply				3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)
Voltage range (*2)		Minimum	V	187	187	187	187
		Maximum	V	253	253	253	253
Electrical characteristic (*1)	Cooling	Running current	A	72.0	77.7	78.8	89.6
		Power input	kW	25.1	27.2	27.6	31.5
		EER	kW/kW	3.39	3.31	3.46	3.21
	Heating	Running current	A	-	-	-	-
		Power input	kW	-	-	-	-
		COP	kW/kW	-	-	-	-
	Starting current		A	Soft Start	Soft Start	Soft Start	Soft Start
Weight	Heat pump		kg	310 + 310	310 + 310	379 + 310	379 + 310
Colour				Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)
Compressor	Type			Hermetic twin rotary compressor	Hermetic twin rotary compressor	Hermetic twin rotary compressor	Hermetic twin rotary compressor
	Motor output		kW	5.8x2 +4.8x2	5.8x2 +5.8x2	6.5x2 +5.8x2	7.6x2 +5.8x2
Fan unit	Fan			Propeller fan	Propeller fan	Propeller fan	Propeller fan
	Motor output		kW	1.0 + 1.0	1.0 + 1.0	2.0 + 1.0	2.0 + 1.0
	Air volume		m3/h	12600 + 12200	12600 + 12600	17300 + 12600	17900 + 12600
Max. external static pressure			Pa	40	40	40	40
Heat exchanger				Finned tube	Finned tube	Finned tube	Finned tube
Refrigerant	Name			R410A	R410A	R410A	R410A
	Charge	Heat pump	kg	11.5 + 11.5	11.5 + 11.5	11.5 + 11.5	11.5 + 11.5
High-pressure switch				OFF:3.2 ON:4.15	OFF:3.2 ON:4.15	OFF:3.2 ON:4.15	OFF:3.2 ON:4.15
Protective devices				(*3)	(*3)	(*3)	(*3)
Power supply wiring		MCA (*4)	A	60+53	60+60	70+60	75+60
		MOCP (*5)	A	70+60	70+70	80+70	80+70
Piping connections	Gas	Type		Brazing	Brazing	Brazing	Brazing
		Diameter	mm	34.9	34.9	34.9	41.3
	Liquid	Type		Flare	Flare	Flare	Flare
		Diameter	mm	19.1	19.1	19.1	22.2
	Balance	Type		Flare	Flare	Flare	Flare
		Diameter	mm	9.5	9.5	9.5	9.5
Max. number of connected indoor units				52	54	59	62
Sound pressure level		Cooling	dB(A)	64.5	65.0	64.5	64.5
		Heating	dB(A)	-	-	-	-
Sound power level		Cooling	dB(A)	83.5	84.0	84.0	84.5
		Heating	dB(A)	-	-	-	-
Operation temperature range		Cooling	CDB	-5.0 to 46.0	-5.0 to 46.0	-5.0 to 46.0	-5.0 to 46.0
		Heating(*6)	CWB	-	-	-	-

Note

(*1) Rated conditions Cooling : Indoor 27 degC Dry Bulb /19 degC Wet Bulb , Outdoor 35 degC Dry Bulb.

Heating : Indoor 20 degC Dry Bulb, Outdoor 7 degC Dry Bulb / 6 degC WetBulb.

Based on equivalent piping length of 7.5m and piping height difference of 0m.

(*2) Voltage range : Units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.

(*3) Discharge temp. sensor / Suction temp. sensor / High-pressure sensor / Low-pressure sensor / Compressor case thermostat / PC board fuse

(*4) Select wire size base on the larger value of MCA.

MCA : Minimum Circuit Amps

(*5) MOCP : Maximum Overcurrent Protection(Amps)

(*6) Low ambient heating (-20degC or less) for extended periods of time is not allowed



Standard model 60Hz 220V(208-230V)

Model	Name	Cooling only		MMY-AP3816T5P	MMY-AP4016T5P
	Combination	Cooling only		MMY-MAP2006T5P	MMY-MAP2006T5P
Outdoor unit type				Inverter unit	Inverter unit
Cooling capacity (*1)			kW	106.4	112.0
Heating capacity (*1)			kW	-	-
Capacity range			HP	38	40
Power supply				3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)
Voltage range (*2)		Minimum	V	187	187
		Maximum	V	253	253
Electrical characteristic (*1)	Cooling	Running current	A	90.3	100.9
		Power input	kW	31.9	35.8
		EER	kW/kW	3.34	3.13
	Heating	Running current	A	-	-
		Power input	kW	-	-
		COP	kW/kW	-	-
Starting current		A	Soft Start	Soft Start	
Weight	Heat pump	kg	379 + 379	379 + 379	
Colour				Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)
Compressor	Type			Hermetic twin rotary compressor	Hermetic twin rotary compressor
	Motor output	kW		7.6x2 + 6.5x2	7.6x2 + 7.6x2
Fan unit	Fan			Propeller fan	Propeller fan
	Motor output	kW		2.0 + 2.0	2.0 + 2.0
	Air volume	m3/h		17900 + 17300	17900 + 17900
Max. external static pressure			Pa	40	40
Heat exchanger				Finned tube	Finned tube
Refrigerant	Name			R410A	R410A
	Charge	Heat pump	kg	11.5 + 11.5	11.5 + 11.5
High-pressure switch				OFF:3.2 ON:4.15	OFF:3.2 ON:4.15
Protective devices				(*3)	(*3)
Power supply wiring		MCA (*4)	A	75+70	75+75
		MOCP (*5)	A	80+80	80+80
Piping connections	Gas	Type		Brazing	Brazing
		Diameter	mm	41.3	41.3
	Liquid	Type		Flare	Flare
		Diameter	mm	22.2	22.2
	Balance	Type		Flare	Flare
		Diameter	mm	9.5	9.5
Max. number of connected indoor units				64	64
Sound pressure level		Cooling	dB(A)	63.5	64.0
		Heating	dB(A)	-	-
Sound power level		Cooling	dB(A)	84.5	85.0
		Heating	dB(A)	-	-
Operation temperature range		Cooling	CDB	-5.0 to 46.0	-5.0 to 46.0
		Heating(*6)	CWB	-	-

Note

(*1) Rated conditions

Cooling : Indoor 27 degC Dry Bulb /19 degC Wet Bulb , Outdoor 35 degC Dry Bulb.

Heating : Indoor 20 degC Dry Bulb , Outdoor 7 degC Dry Bulb / 6 degC WetBulb.

Based on equivalent piping length of 7.5m and piping height difference of 0m.

(*2) Voltage range : Units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.

(*3) Discharge temp. sensor / Suction temp. sensor / High-pressure sensor / Low-pressure sensor / Compressor case thermostat / PC board fuse

(*4) Select wire size base on the larger value of MCA.

MCA : Minimum Circuit Amps

(*5) MOCP : Maximum Overcurrent Protection(Amps)

(*6) Low ambient heating (-20degC or less) for extended periods of time is not allowed

Standard model 60Hz 220V(208-230V)

Model	Name	Cooling only		MMY-AP4216T5P	MMY-AP4416T5P	MMY-AP4616T5P	MMY-AP4816T5P	
	Combination	Cooling only		MMY-MAP1606T5P	MMY-MAP1606T5P	MMY-MAP1606T5P	MMY-MAP1606T5P	
				MMY-MAP1406T5P	MMY-MAP1606T5P	MMY-MAP1606T5P	MMY-MAP1606T5P	
				MMY-MAP1206T5P	MMY-MAP1206T5P	MMY-MAP1406T5P	MMY-MAP1606T5P	
Outdoor unit type			Inverter unit	Inverter unit	Inverter unit	Inverter unit		
Cooling capacity (*1)			kW	118.5	123.5	130.0	135.0	
Heating capacity (*1)			kW	-	-	-	-	
Capacity range			HP	42	44	46	48	
Power supply		3~ 60Hz 220V(208-230V)						
Voltage range (*2)		Minimum	V	187	187	187	187	
		Maximum	V	253	253	253	253	
Electrical characteristic (*1)	Cooling	Running current	A	100.7	104.9	110.9	116.6	
		Power input	kW	34.5	36.6	38.7	40.8	
		EER	kW/kW	3.43	3.37	3.36	3.31	
	Heating	Running current	A	-	-	-	-	
		Power input	kW	-	-	-	-	
		COP	kW/kW	-	-	-	-	
	Starting current	A	Soft Start	Soft Start	Soft Start	Soft Start		
Weight	Heat pump		kg	310 + 310 + 240	310 + 310 + 240	310 + 310 + 310	310 + 310 + 310	
Colour		Silky shade (Munsell 1Y8.5/0.5)						
Compressor	Type	Hermetic twin rotary compressor						
	Motor output		kW	5.8x2 + 4.8x2 + 3.9x2	5.8x2 + 5.8x2 + 3.9x2	5.8x2 + 5.8x2 + 4.8x2	5.8x2 + 5.8x2 + 5.8x2	
Fan unit	Fan	Propeller fan						
	Motor output		kW	1.0 + 1.0 + 1.0	1.0 + 1.0 + 1.0	1.0 + 1.0 + 1.0	1.0 + 1.0 + 1.0	
	Air volume		m3/h	12600 + 12200 + 12200	12600 + 12600 + 12200	12600 + 12600 + 12200	12600 + 12600 + 12600	
Max. external static pressure			Pa	40	40	40	40	
Heat exchanger		Finned tube						
Refrigerant	Name	R410A						
	Charge	Heat pump	kg	11.5 + 11.5 + 10.5	11.5 + 11.5 + 10.5	11.5 + 11.5 + 11.5	11.5 + 11.5 + 11.5	
High-pressure switch			Pa	OFF:3.2 ON:4.15	OFF:3.2 ON:4.15	OFF:3.2 ON:4.15	OFF:3.2 ON:4.15	
Protective devices		(*3)						
Power supply wiring		MCA (*4)	A	60+53+46	60+60+46	60+60+53	60+60+60	
		MOCP (*5)	A	70+60+50	70+70+50	70+70+60	70+70+70	
Piping connections	Gas	Type	Brazeing					
		Diameter	mm	41.3	41.3	41.3	41.3	
	Liquid	Type	Flare					
		Diameter	mm	22.2	22.2	22.2	22.2	
	Balance	Type	Flare					
		Diameter	mm	9.5	9.5	9.5	9.5	
Max. number of connected indoor units		64						
Sound pressure level	Cooling		dB(A)	65.5	66.0	66.5	67.0	
	Heating		dB(A)	-	-	-	-	
Sound power level	Cooling		dB(A)	85.5	85.5	85.5	86.0	
	Heating		dB(A)	-	-	-	-	
Operation temperature range	Cooling		CDB	-5.0 to 46.0	-5.0 to 46.0	-5.0 to 46.0	-5.0 to 46.0	
	Heating(*6)		CWB	-	-	-	-	

Note

(*1) Rated conditions

 Cooling : Indoor 27 degC Dry Bulb /19 degC Wet Bulb , Outdoor 35 degC Dry Bulb.
 Heating : Indoor 20 degC Dry Bulb, Outdoor 7 degC Dry Bulb / 6 degC WetBulb.
 Based on equivalent piping length of 7.5m and piping height difference of 0m.

(*2) Voltage range : Units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.

(*3) Discharge temp. sensor / Suction temp. sensor / High-pressure sensor / Low-pressure sensor / Compressor case thermostat / PC board fuse

(*4) Select wire size base on the larger value of MCA.

MCA : Minimum Circuit Amps

(*5) MOCP : Maximum Overcurrent Protection(Amps)

(*6) Low ambient heating (-20degC or less) for extended periods of time is not allowed

Standard model 60Hz 220V(208-230V)

Model	Name	Cooling only		MMY-AP5016T5P	MMY-AP5216T5P	MMY-AP5416T5P	MMY-AP5616T5P
	Combination	Cooling only		MMY-MAP1806T5P	MMY-MAP2006T5P	MMY-MAP2006T5P	MMY-MAP2006T5P
				MMY-MAP1606T5P	MMY-MAP1606T5P	MMY-MAP2006T5P	MMY-MAP2006T5P
				MMY-MAP1606T5P	MMY-MAP1606T5P	MMY-MAP1406T5P	MMY-MAP1606T5P
Outdoor unit type				Inverter unit	Inverter unit	Inverter unit	Inverter unit
Cooling capacity (*1)			kW	140.4	146.0	152.0	157.0
Heating capacity (*1)			kW	-	-	-	-
Capacity range			HP	50	52	54	56
Power supply				3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)
Voltage range (*2)		Minimum	V	187	187	187	187
		Maximum	V	253	253	253	253
Electrical characteristic (*1)	Cooling	Running current	A	117.6	128.7	134.0	139.7
		Power input	kW	41.2	45.1	47.3	49.4
		EER	kW/kW	3.41	3.24	3.21	3.18
	Heating	Running current	A	-	-	-	-
		Power input	kW	-	-	-	-
		COP	kW/kW	-	-	-	-
Starting current		A	Soft Start	Soft Start	Soft Start	Soft Start	
Weight	Heat pump	kg	379 + 310 + 310	379 + 310 + 310	379 + 379 + 310	379 + 379 + 310	
Colour				Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)
Compressor	Type		Hermetic twin rotary compressor	Hermetic twin rotary compressor	Hermetic twin rotary compressor	Hermetic twin rotary compressor	
	Motor output	kW	6.5x2 + 5.8x2 + 5.8x2	7.6x2 + 5.8x2 + 5.8x2	7.6x2 + 7.6x2 + 4.8x2	7.6x2 + 7.6x2 + 5.8x2	
Fan unit	Fan		Propeller fan	Propeller fan	Propeller fan	Propeller fan	
	Motor output	kW	2.0 + 1.0 + 1.0	2.0 + 1.0 + 1.0	2.0 + 2.0 + 1.0	2.0 + 2.0 + 1.0	
	Air volume	m3/h	17300 + 12600 + 12600	17900 + 12600 + 12600	17900 + 17900 + 12200	17900 + 17900 + 12600	
Max. external static pressure			Pa	40	40	40	40
Heat exchanger				Finned tube	Finned tube	Finned tube	Finned tube
Refrigerant	Name			R410A	R410A	R410A	R410A
	Charge	Heat pump	kg	11.5 + 11.5 + 11.5	11.5 + 11.5 + 11.5	11.5 + 11.5 + 11.5	11.5 + 11.5 + 11.5
High-pressure switch			Pa	OFF:3.2 ON:4.15	OFF:3.2 ON:4.15	OFF:3.2 ON:4.15	OFF:3.2 ON:4.15
Protective devices				(*3)	(*3)	(*3)	(*3)
Power supply wiring		MCA (*4)	A	70+60+60	75+60+60	75+75+53	75+75+60
		MOCP (*5)	A	80+70+70	80+70+70	80+80+60	80+80+70
Piping connections	Gas	Type		Brazing	Brazing	Brazing	Brazing
		Diameter	mm	41.3	41.3	41.3	41.3
	Liquid	Type		Flare	Flare	Flare	Flare
		Diameter	mm	22.2	22.2	22.2	22.2
	Balance	Type		Flare	Flare	Flare	Flare
		Diameter	mm	9.5	9.5	9.5	9.5
Max. number of connected indoor units				64	64	64	64
Sound pressure level		Cooling	dB(A)	66.5	66.5	65.5	66.5
		Heating	dB(A)	-	-	-	-
Sound power level		Cooling	dB(A)	86.0	86.5	86.5	86.5
		Heating	dB(A)	-	-	-	-
Operation temperature range		Cooling	CDB	-5.0 to 46.0	-5.0 to 46.0	-5.0 to 46.0	-5.0 to 46.0
		Heating(*6)	CWB	-	-	-	-

Note

(*1) Rated conditions

Cooling : Indoor 27 degC Dry Bulb /19 degC Wet Bulb , Outdoor 35 degC Dry Bulb.

Heating : Indoor 20 degC Dry Bulb, Outdoor 7 degC Dry Bulb / 6 degC WetBulb.

Based on equivalent piping length of 7.5m and piping height difference of 0m.

(*2) Voltage range : Units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.

(*3) Discharge temp. sensor / Suction temp. sensor / High-pressure sensor / Low-pressure sensor / Compressor case thermostat / PC board fuse

(*4) Select wire size base on the larger value of MCA.

MCA : Minimum Circuit Amps

(*5) MOCP : Maximum Overcurrent Protection(Amps)

(*6) Low ambient heating (-20degC or less) for extended periods of time is not allowed

High efficiency model 60Hz 220V(208-230V)

Model	Name	Cooling only		MMY-AP2026T5P	MMY-AP3626T5P	MMY-AP3826T5P	MMY-AP4026T5P
	Combination	Cooling only		MMY-MAP1006T5P	MMY-MAP1206T5P	MMY-MAP1406T5P	MMY-MAP1406T5P
				MMY-MAP1006T5P	MMY-MAP1206T5P	MMY-MAP1206T5P	MMY-MAP1406T5P
				-	MMY-MAP1206T5P	MMY-MAP1206T5P	MMY-MAP1206T5P
Outdoor unit type				Inverter unit	Inverter unit	Inverter unit	Inverter unit
Cooling capacity (*1)			kW	56.0	100.5	107.0	113.5
Heating capacity (*1)			kW	-	-	-	-
Capacity range			HP	20	36	38	40
Power supply				3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)	3~ 60Hz 220V(208-230V)
Voltage range (*2)		Minimum	V	187	187	187	187
		Maximum	V	253	253	253	253
Electrical characteristic (*1)	Cooling	Running current	A	41.5	79.8	86.4	92.9
		Power input	kW	14.5	28.2	30.3	32.4
		EER	kW/kW	3.86	3.56	3.53	3.50
	Heating	Running current	A	-	-	-	-
		Power input	kW	-	-	-	-
		COP	kW/kW	-	-	-	-
Starting current			A	Soft Start	Soft Start	Soft Start	Soft Start
Weight	Heat pump		kg	240 + 240	240 + 240 + 240	310 + 240 + 240	310 + 310 + 240
Colour				Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)	Silky shade (Munsell 1Y8.5/0.5)
Compressor	Type			Hermetic twin rotary compressor	Hermetic twin rotary compressor	Hermetic twin rotary compressor	Hermetic twin rotary compressor
	Motor output		kW	3.1x2 + 3.1x2	3.9x2 + 3.9x2 + 3.9x2	4.8x2 + 3.9x2 + 3.9x2	4.8x2 + 4.8x2 + 3.9x2
Fan unit	Fan			Propeller fan	Propeller fan	Propeller fan	Propeller fan
	Motor output		kW	1.0 + 1.0	1.0 + 1.0 + 1.0	1.0 + 1.0 + 1.0	1.0 + 1.0 + 1.0
	Air volume		m3/h	9700 + 9700	12200 + 12200 + 12200	12200 + 12200 + 12200	12200 + 12200 + 12200
Max. external static pressure			Pa	60	50	50	50
Heat exchanger				Finned tube	Finned tube	Finned tube	Finned tube
Refrigerant	Name			R410A	R410A	R410A	R410A
	Charge	Heat pump	kg	10.5 + 10.5	10.5 + 10.5 + 10.5	11.5 + 10.5 + 10.5	11.5 + 11.5 + 10.5
High-pressure switch			Pa	OFF:3.2 ON:4.15	OFF:3.2 ON:4.15	OFF:3.2 ON:4.15	OFF:3.2 ON:4.15
Protective devices				(*3)	(*3)	(*3)	(*3)
Power supply wiring		MCA (*4)	A	41+41	46+46+46	53+46+46	53+53+46
		MOCP (*5)	A	50+50	50+50+50	60+50+50	60+60+50
Piping connections	Gas	Type		Brazing	Brazing	Brazing	Brazing
		Diameter	mm	28.6	41.3	41.3	41.3
	Liquid	Type		Flare	Flare	Flare	Flare
		Diameter	mm	15.9	22.2	22.2	22.2
	Balance	Type		Flare	Flare	Flare	Flare
		Diameter	mm	9.5	9.5	9.5	9.5
Max. number of connected indoor units				37	60	64	64
Sound pressure level	Cooling		dB(A)	60.0	64.0	64.5	64.5
	Heating		dB(A)	-	-	-	-
Sound power level	Cooling		dB(A)	77.0	85.0	85.0	85.0
	Heating		dB(A)	-	-	-	-
Operation temperature range	Cooling		CDB	-5.0 to 46.0	-5.0 to 46.0	-5.0 to 46.0	-5.0 to 46.0
	Heating(*6)		CWB	-	-	-	-

Note

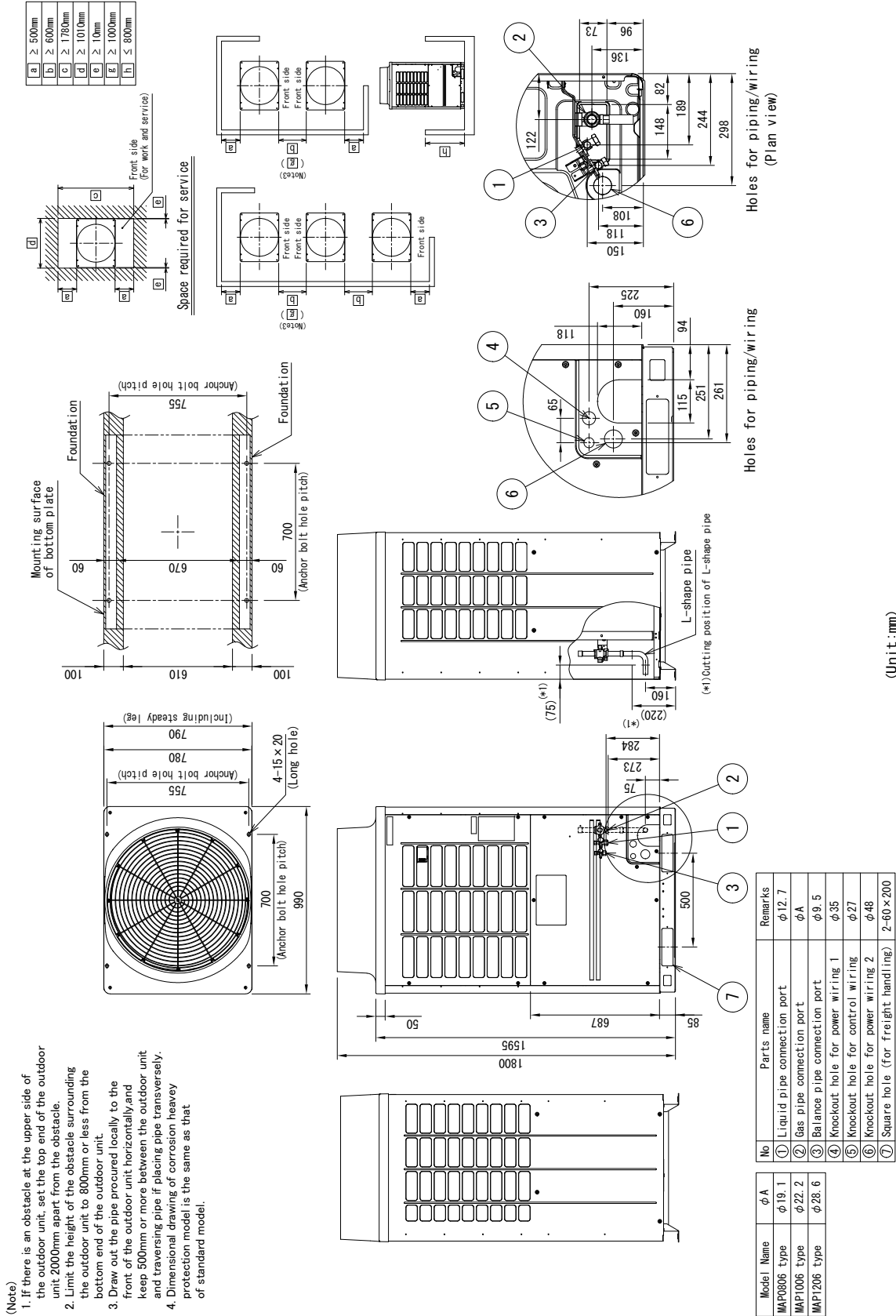
- (*1) Rated conditions Cooling : Indoor 27 degC Dry Bulb /19 degC Wet Bulb , Outdoor 35 degC Dry Bulb. Heating : Indoor 20 degC Dry Bulb, Outdoor 7 degC Dry Bulb / 6 degC WetBulb. Based on equivalent piping length of 7.5m and piping height difference of 0m.
- (*2) Voltage range : Units are sui Cooling : Indoor 27 degC Dry Bulb /19 degC Wet Bulb , Outdoor 46 degC Dry Bulb.
- (*3) Discharge temp. sensor / Su Based on equivalent piping length of 7.5m and piping height difference of 0m.
- (*4) Select wire size base on the larger value of MCA.
MCA : Minimum Circuit Amps
- (*5) MOCP : Maximum Overcurrent Protection(Amps)
- (*6) Low ambient heating (-20degC or less) for extended periods of time is not allowed



5-2. Dimensional drawing

Single Unit

Model : MMY-MAP0806HT5P/6T5P, MMY-MAP1006HT5P/6T5P, MMY-MAP1206HT5P/6T5P



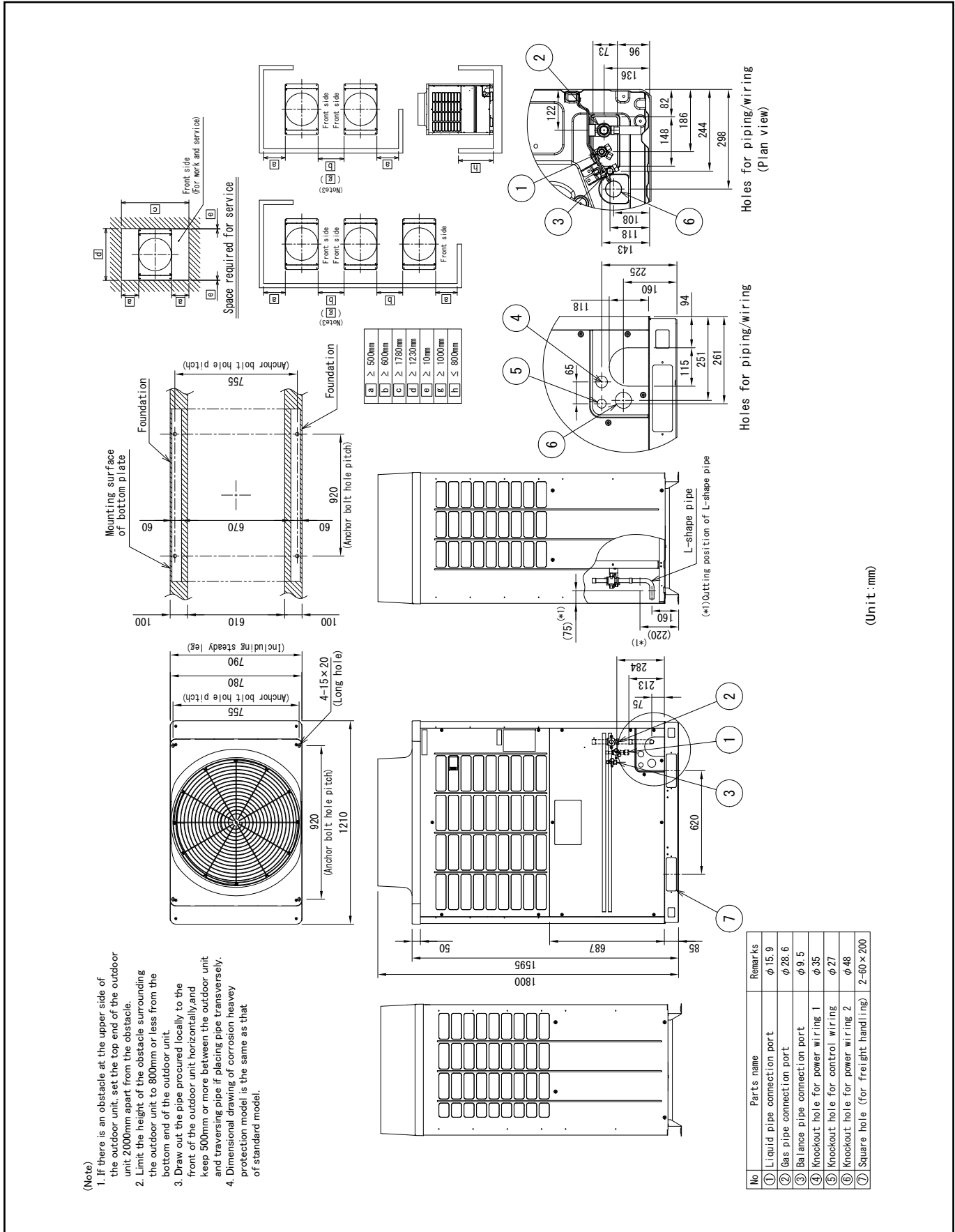
(Note)

- If there is an obstacle at the upper side of the outdoor unit, set the top end of the outdoor unit 2000mm apart from the obstacle.
- Limit the height of the obstacle surrounding the outdoor unit to 800mm or less from the bottom end of the outdoor unit.
- Draw out the pipe procured locally to the front of the outdoor unit horizontally and keep 500mm or more between the outdoor unit and traversing pipe if placing pipe transversely.
- Dimensional drawing of corrosion heavy protection model is the same as that of standard model.



Single Unit

Model : MMY-MAP1406HT5P/6T5P, MMY-MAP1606HT5P/6T5P

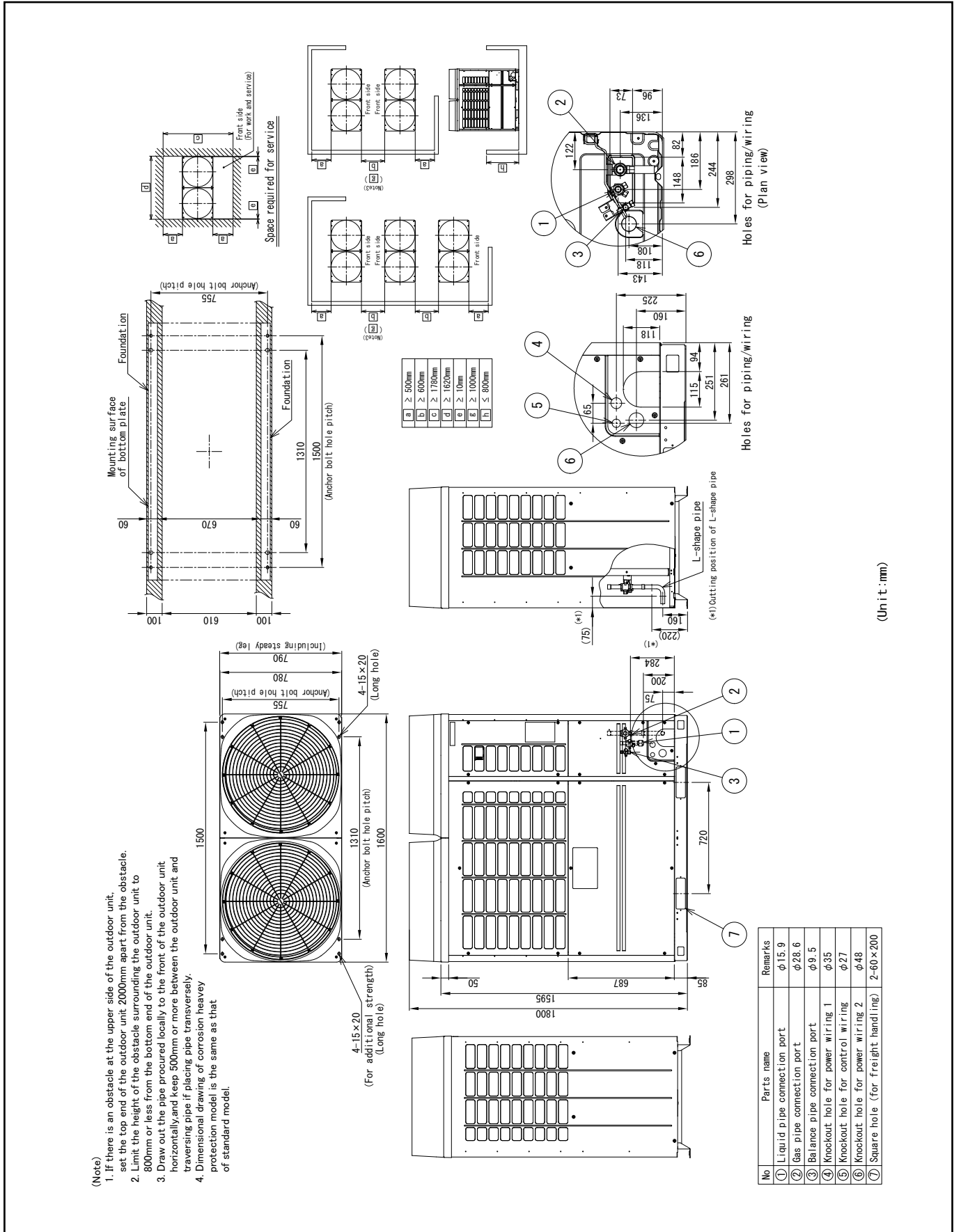


(Unit: mm)



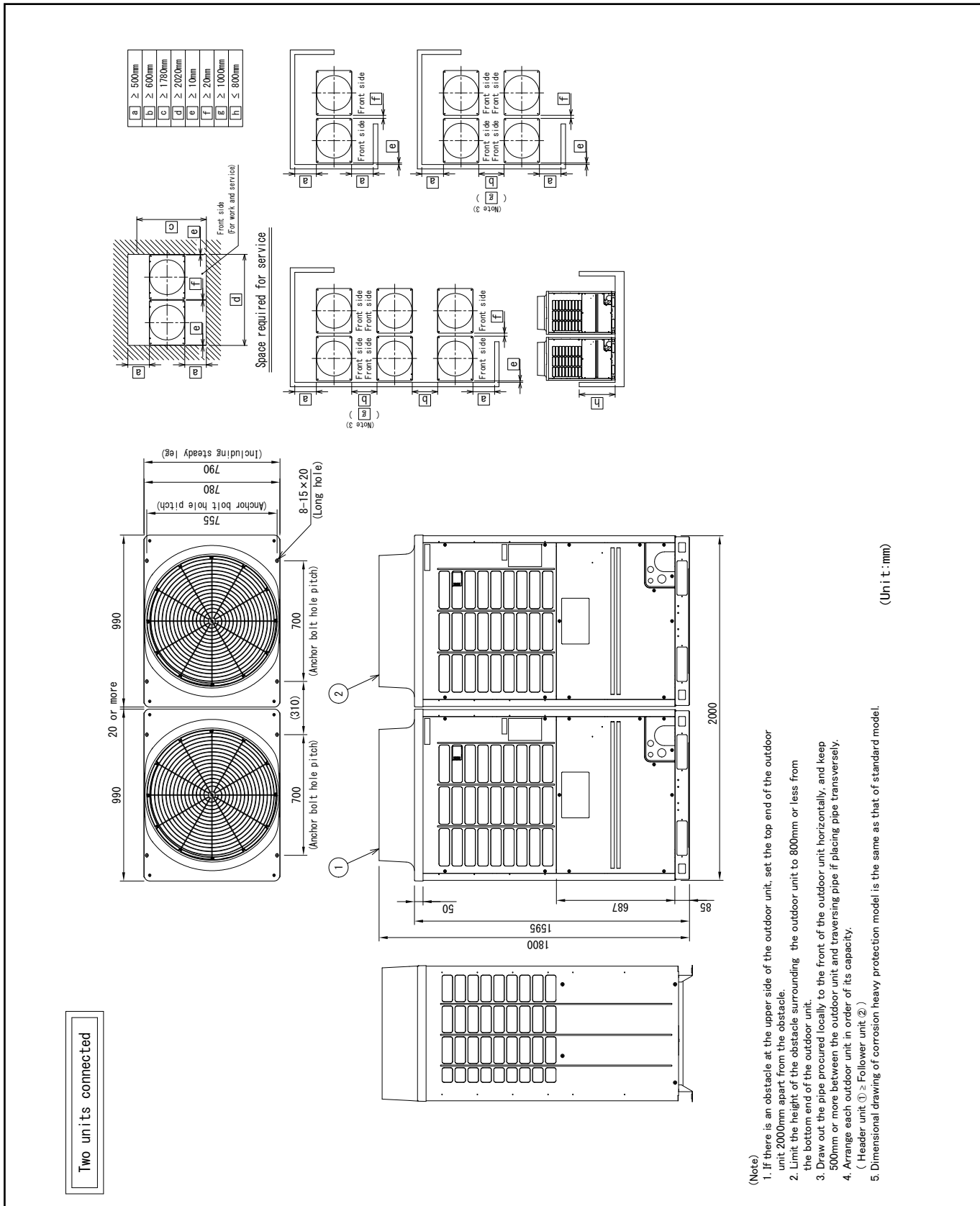
Single Unit

Model : MMY-MAP1806HT5P/6T5P, MMY-MAP2006HT5P/6T5P



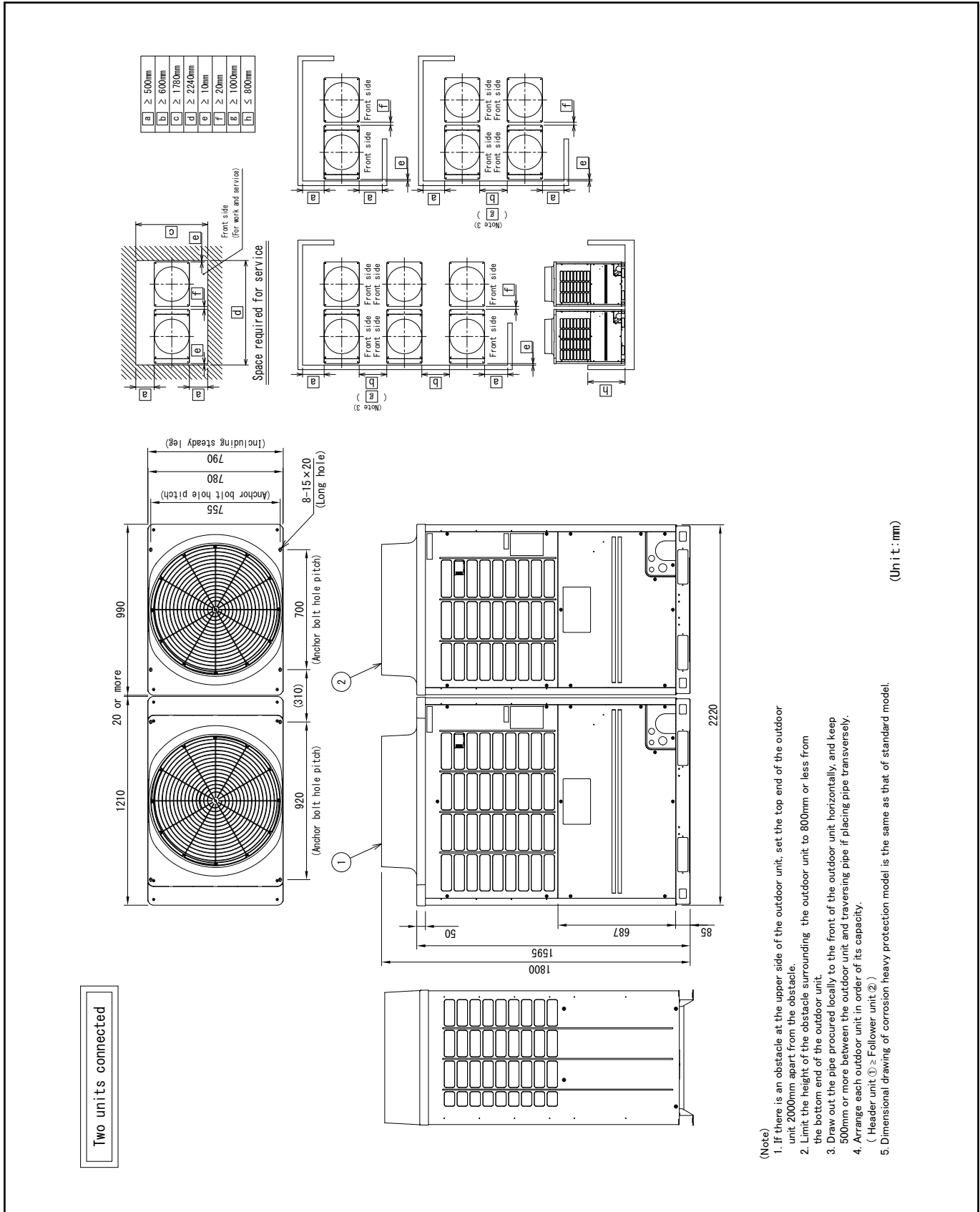
Combination

Model Name	Outdoor unit	
	(1) Header unit	(2) Follower unit
MMY-AP2026HT5P/6T5P	MMY-MAP1006HT5P/6T5P	MMY-MAP1006HT5P/6T5P
MMY-AP2216HT5P/6T5P	MMY-MAP1206HT5P/6T5P	MMY-MAP1006HT5P/6T5P
MMY-AP2416HT5P/6T5P	MMY-MAP1206HT5P/6T5P	MMY-MAP1206HT5P/6T5P



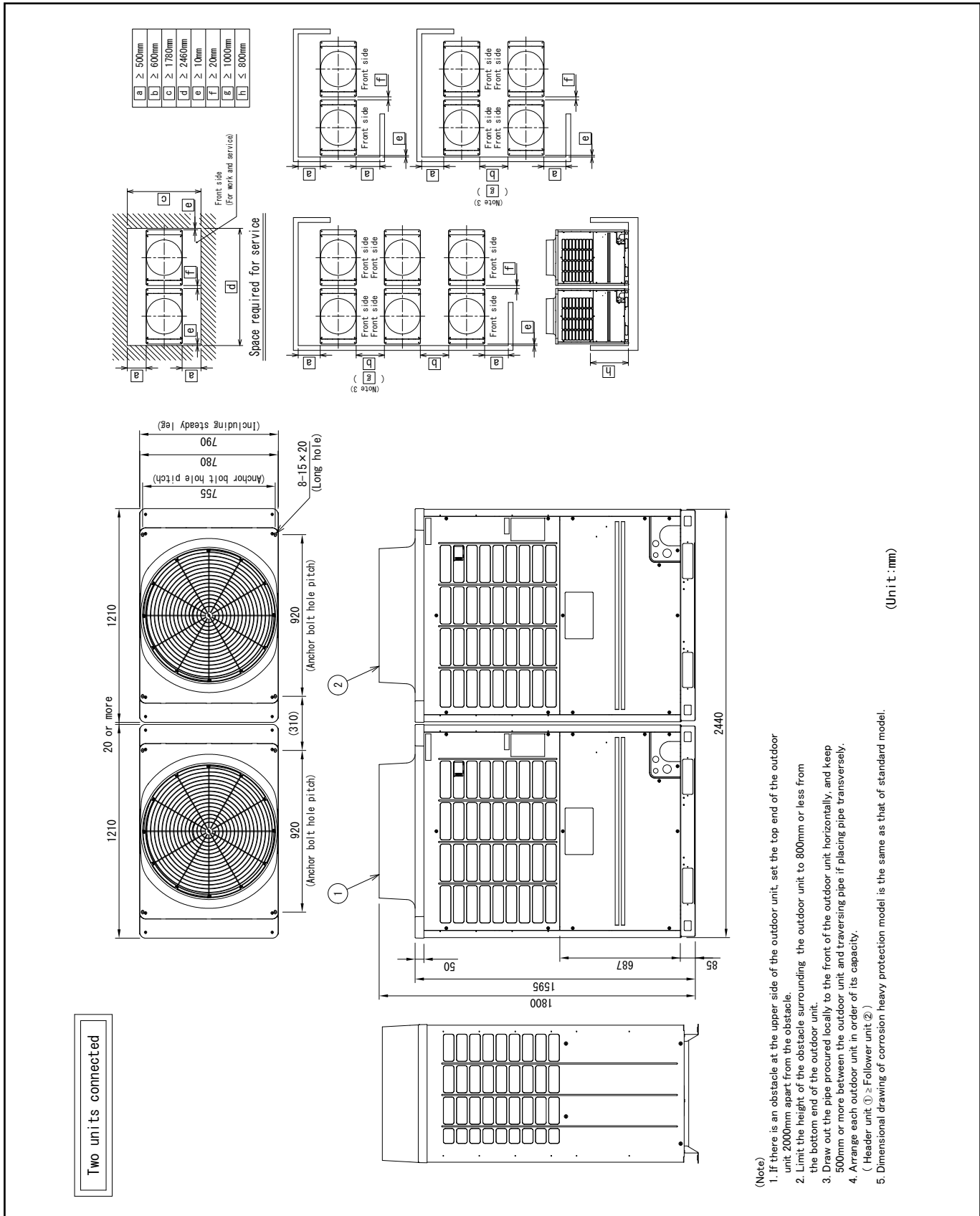
Combination

Model Name	Outdoor unit	
	(1) Header unit	(2) Follower unit
MMY-AP2616HT5P/6T5P	MMY-MAP1406HT5P/6T5P	MMY-MAP1206HT5P/6T5P
MMY-AP2816HT5P/6T5P	MMY-MAP1606HT5P/6T5P	MMY-MAP1206HT5P/6T5P



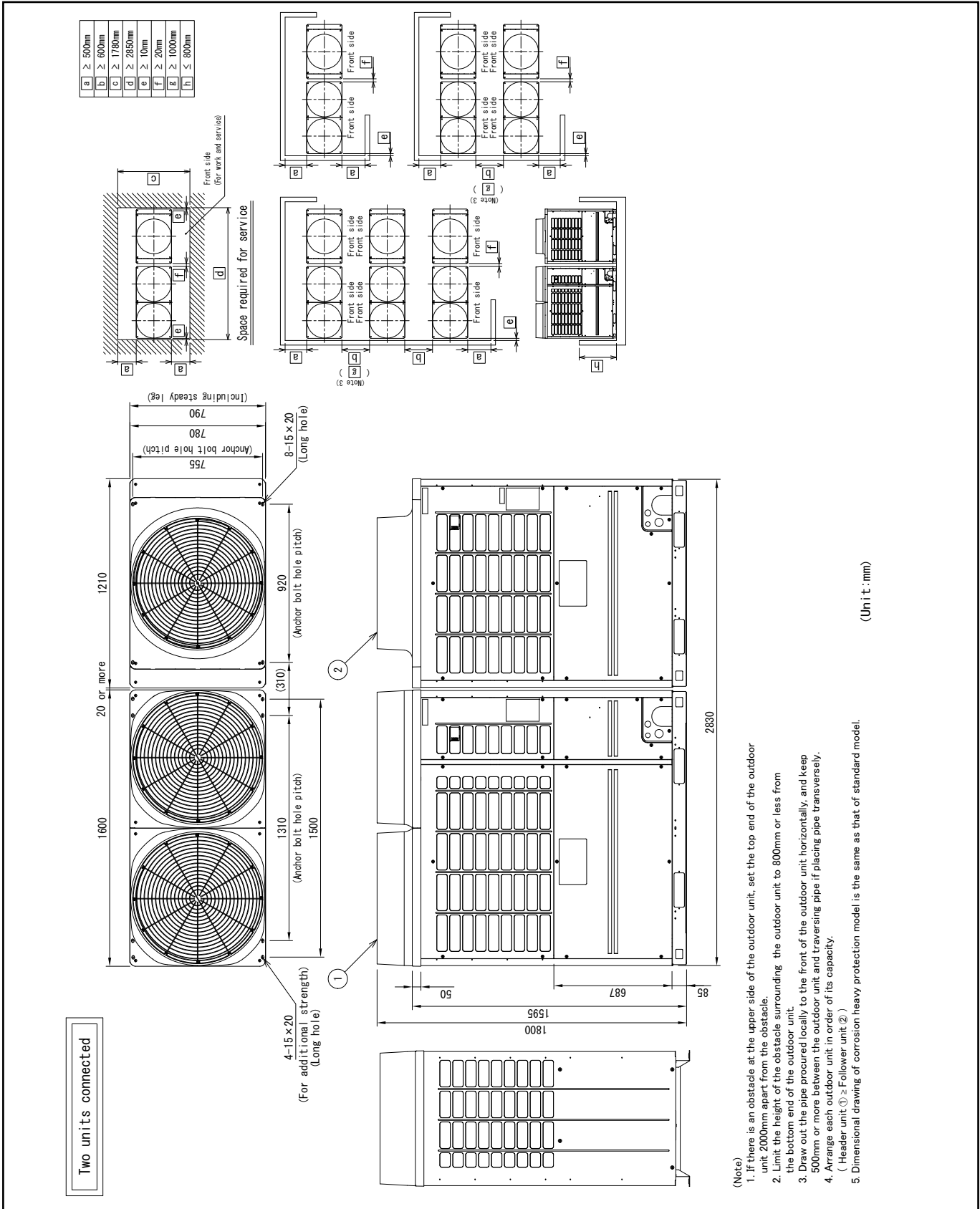
Combination

Model Name	Outdoor unit	
	(1) Header unit	(2) Follower unit
MMY-MAP3016HT5P/6T5P	MMY-MAP1606HT5P/6T5P	MMY-MAP1406HT5P/6T5P
MMY-MAP3216HT5P/6T5P	MMY-MAP1606HT5P/6T5P	MMY-MAP1606HT5P/6T5P



Combination

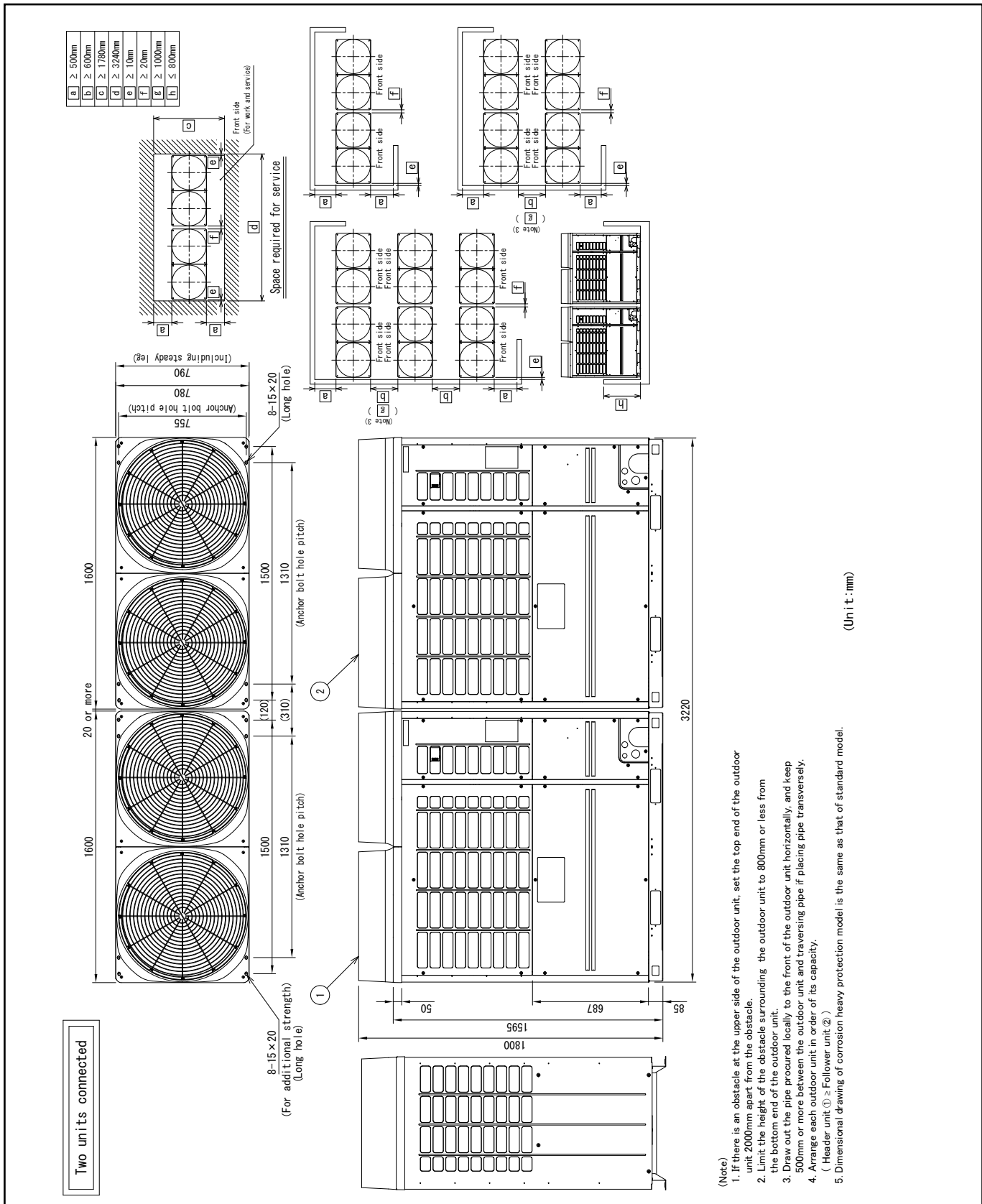
Model Name	Outdoor unit	
	(1) Header unit	(2) Follower unit
MMY-AP3416HT5P/6T5P	MMY-MAP1806HT5P/6T5P	MMY-MAP1606HT5P/6T5P
MMY-AP3616HT5P/6T5P	MMY-MAP2006HT5P/6T5P	MMY-MAP1606HT5P/6T5P



- (Note)
1. If there is an obstacle at the upper side of the outdoor unit, set the top end of the outdoor unit 2000mm apart from the obstacle.
 2. Limit the height of the obstacle surrounding the outdoor unit to 800mm or less from the bottom end of the outdoor unit.
 3. Draw out the pipe procured locally to the front of the outdoor unit horizontally, and keep 500mm or more between the outdoor unit and traversing pipe if placing pipe transversely.
 4. Arrange each outdoor unit in order of its capacity.
 (Header unit ① ≥ Follower unit ②)
 5. Dimensional drawing of corrosion heavy protection model is the same as that of standard model.

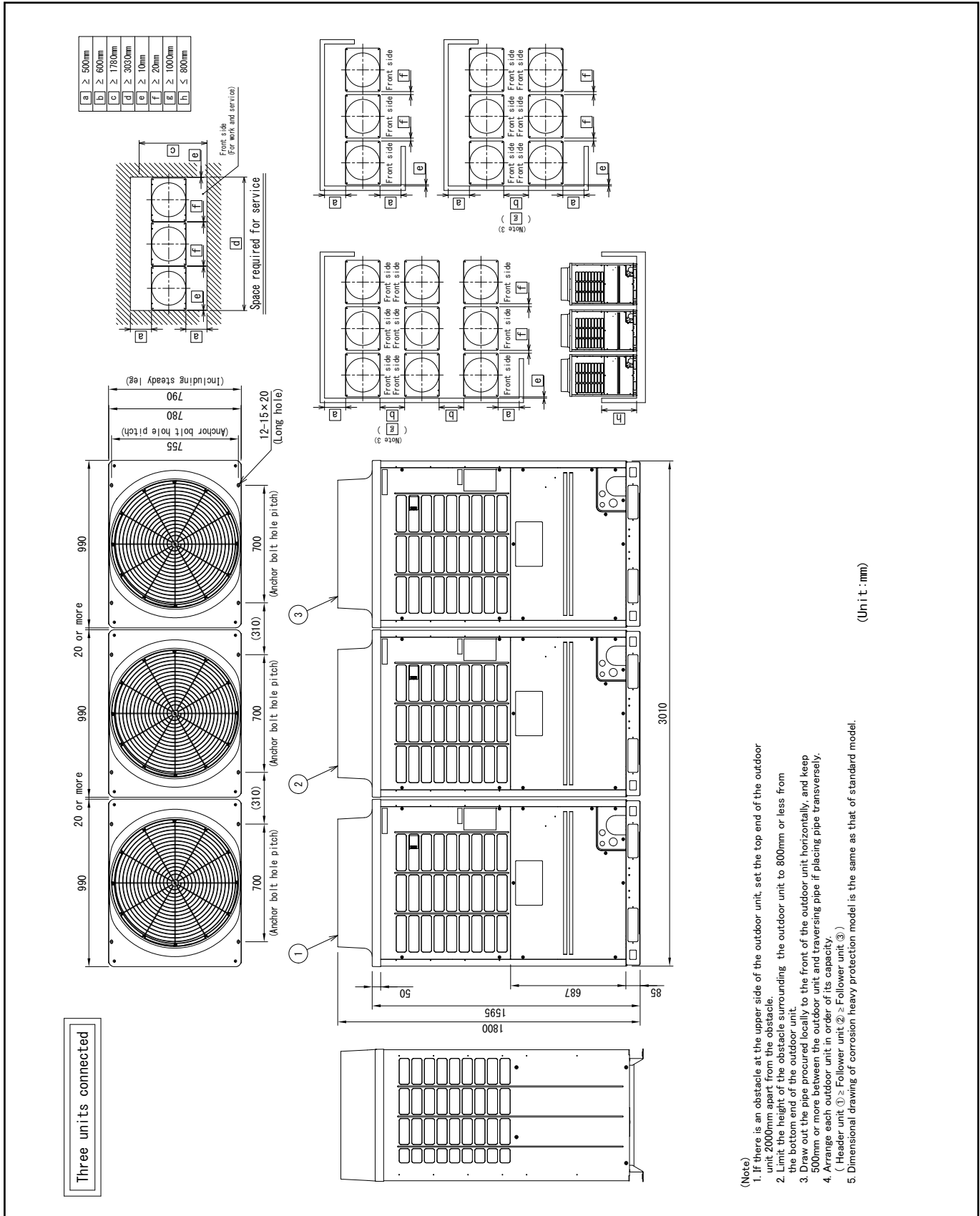
Combination

Model Name	Outdoor unit	
	(1) Header unit	(2) Follower unit
MMY-AP3816HT5P/6T5P	MMY-MAP2006HT5P/6T5P	MMY-MAP1806HT5P/6T5P
MMY-AP4016HT5P/6T5P	MMY-MAP2006HT5P/6T5P	MMY-MAP2006HT5P/6T5P



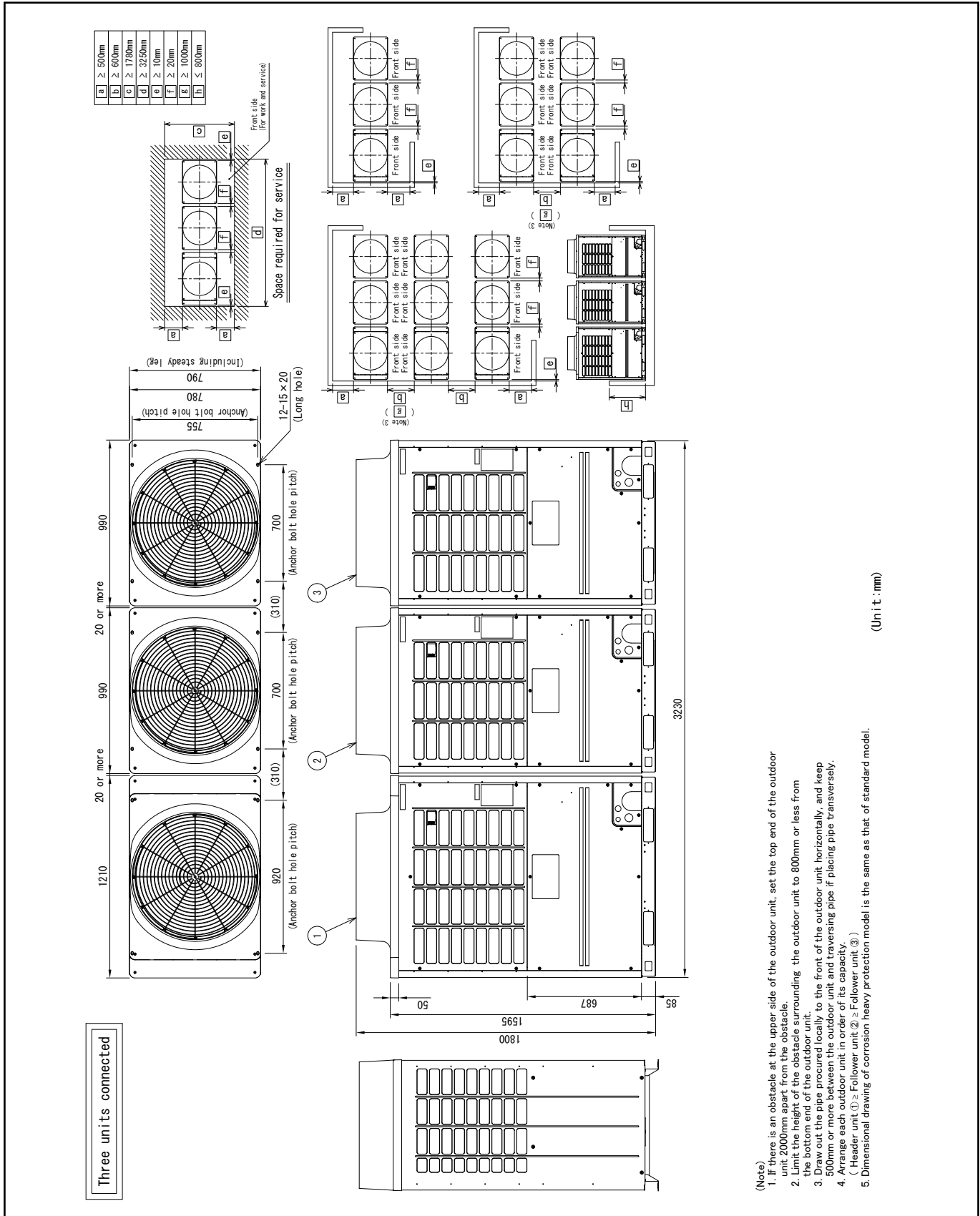
Combination

Model Name	Outdoor unit		
	(1) Header unit	(2) Follower unit	(3) Follower unit
MMY-AP3626HT5P/6T5P	MMY-MAP1206HT5P/6T5P	MMY-MAP1206HT5P/6T5P	MMY-MAP1206HT5P/6T5P



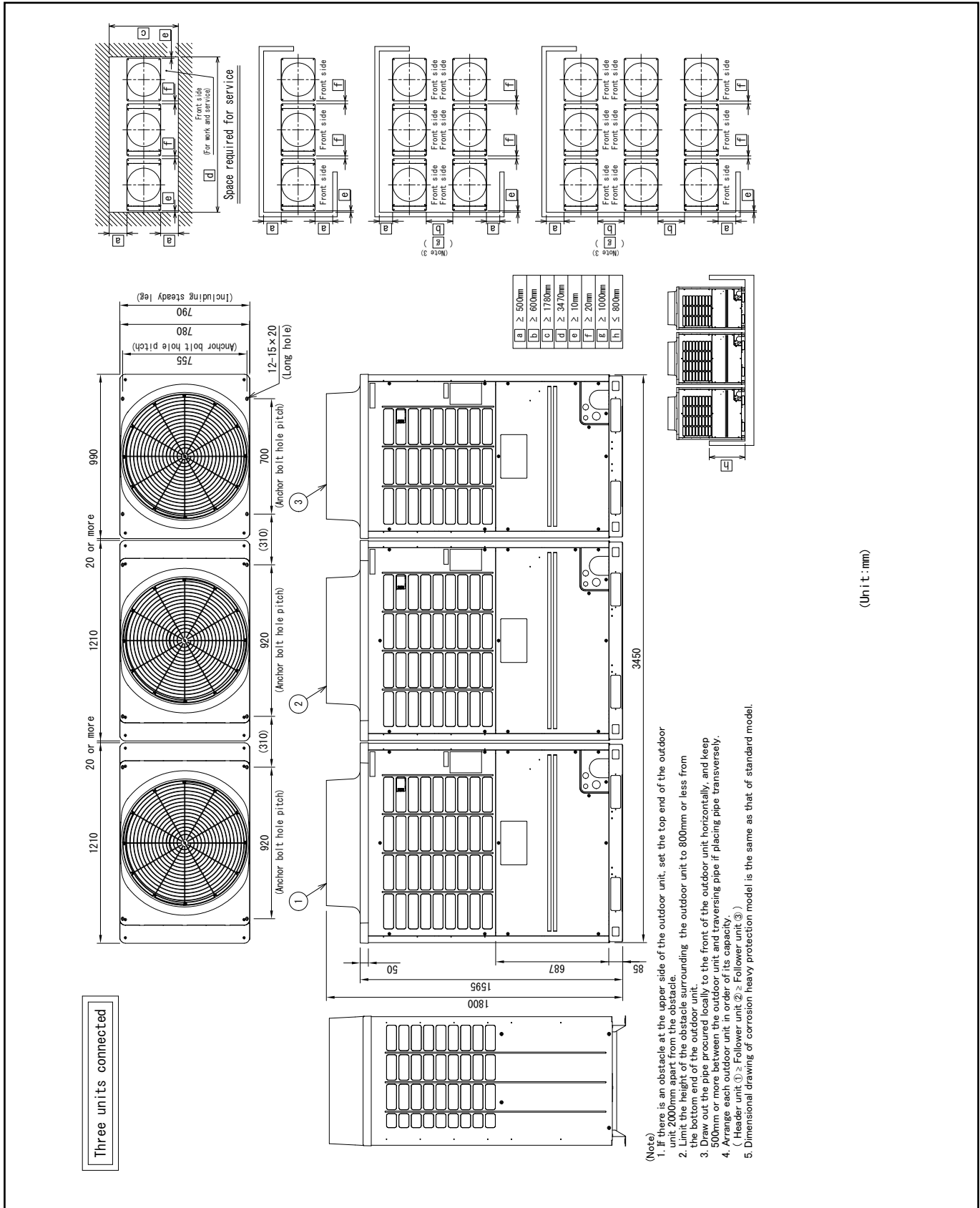
Combination

Model Name	Outdoor unit		
	(1) Header unit	(2) Follower unit	(3) Follower unit
MMY-AP3826HT5P/6T5P	MMY-MAP1406HT5P/6T5P	MMY-MAP1206HT5P/6T5P	MMY-MAP1206HT5P/6T5P



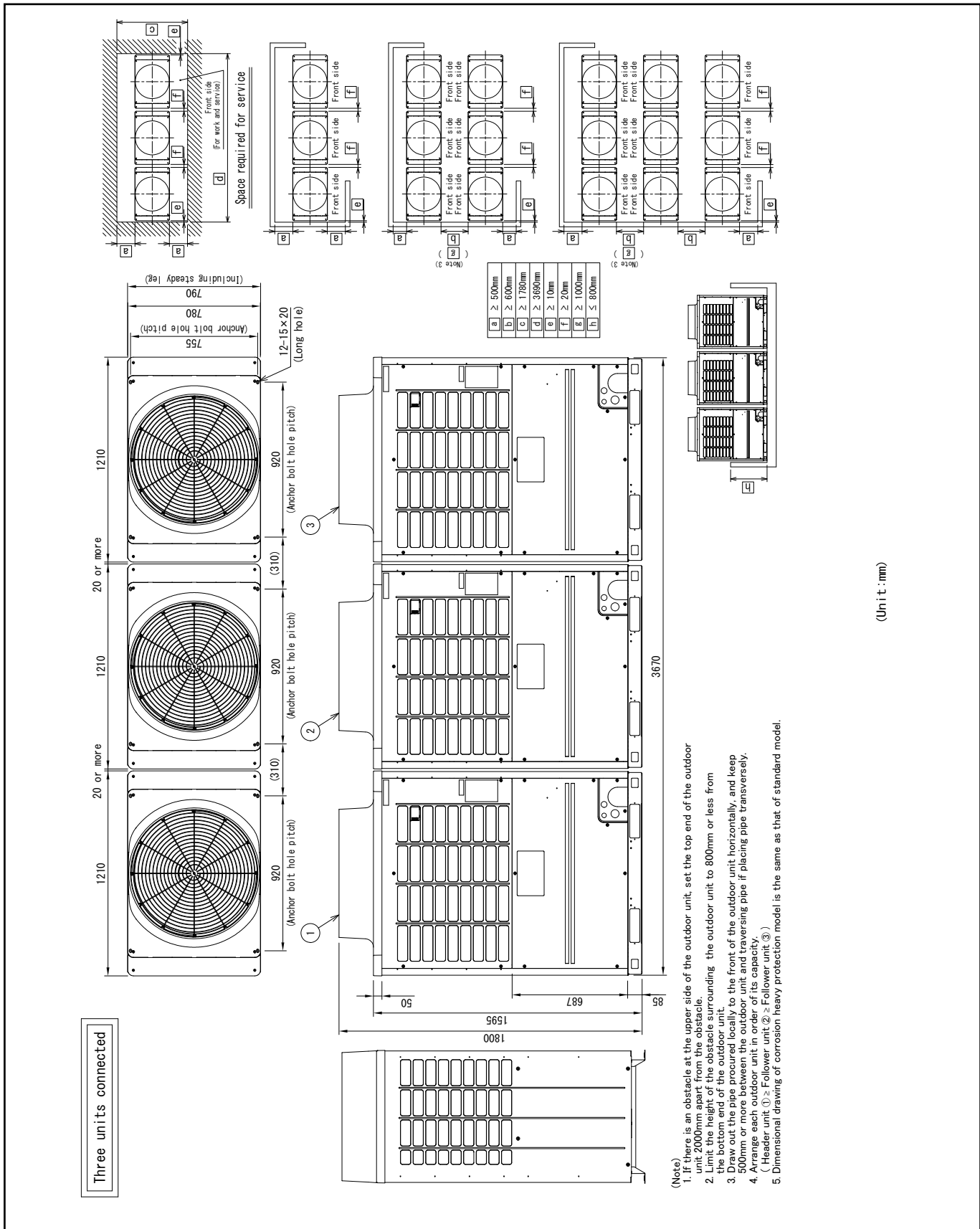
Combination

Model Name	Outdoor unit		
	(1) Header unit	(2) Follower unit	(3) Follower unit
MMY-AP4026HT5P/6T5P	MMY-MAP1406HT5P/6T5P	MMY-MAP1406HT5P/6T5P	MMY-MAP1206HT5P/6T5P
MMY-AP4216HT5P/6T5P	MMY-MAP1606HT5P/6T5P	MMY-MAP1406HT5P/6T5P	MMY-MAP1206HT5P/6T5P
MMY-AP4416HT5P/6T5P	MMY-MAP1606HT5P/6T5P	MMY-MAP1606HT5P/6T5P	MMY-MAP1206HT5P/6T5P



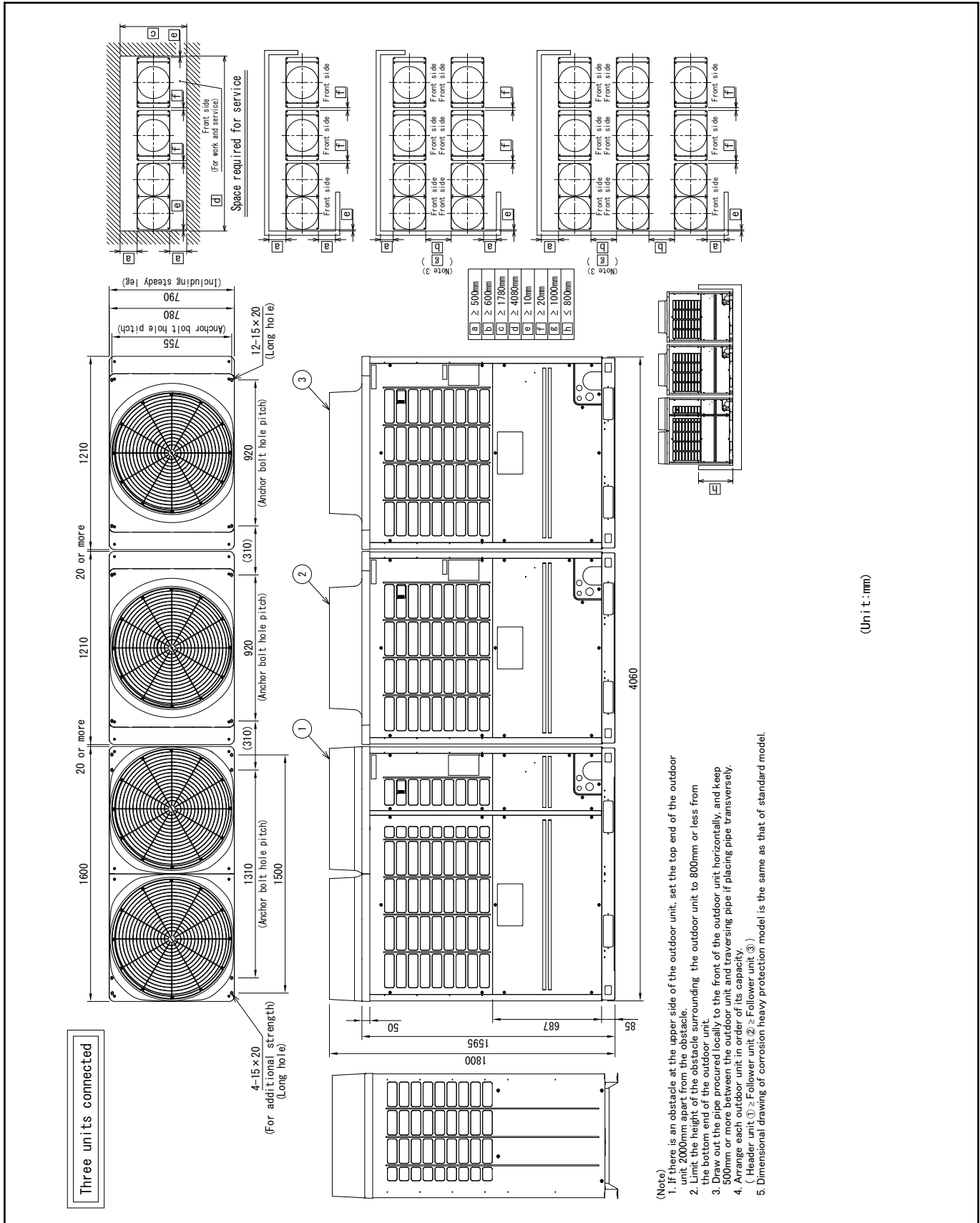
Combination

Model Name	Outdoor unit		
	(1) Header unit	(2) Follower unit	(3) Follower unit
MMY-AP4616HT5P/6T5P	MMY-MAP1606HT5P/6T5P	MMY-MAP1606HT5P/6T5P	MMY-MAP1406HT5P/6T5P
MMY-AP4816HT5P/6T5P	MMY-MAP1606HT5P/6T5P	MMY-MAP1606HT5P/6T5P	MMY-MAP1606HT5P/6T5P



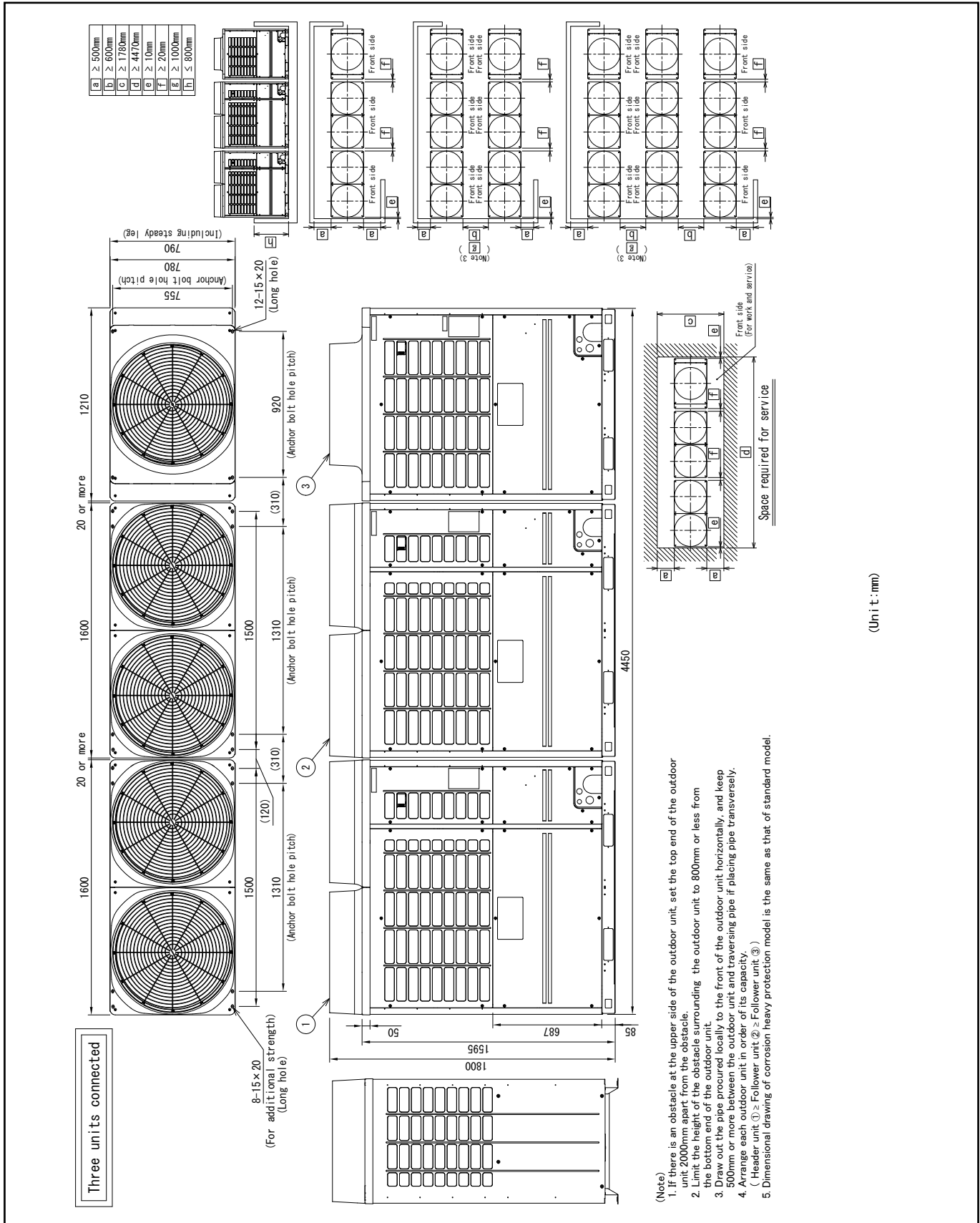
Combination

Model Name	Outdoor unit		
	(1) Header unit	(2) Follower unit	(3) Follower unit
MMY-AP5016HT5P/6T5P	MMY-MAP1806HT5P/6T5P	MMY-MAP1606HT5P/6T5P	MMY-MAP1606HT5P/6T5P
MMY-AP5216HT5P/6T5P	MMY-MAP2006HT5P/6T5P	MMY-MAP1606HT5P/6T5P	MMY-MAP1606HT5P/6T5P



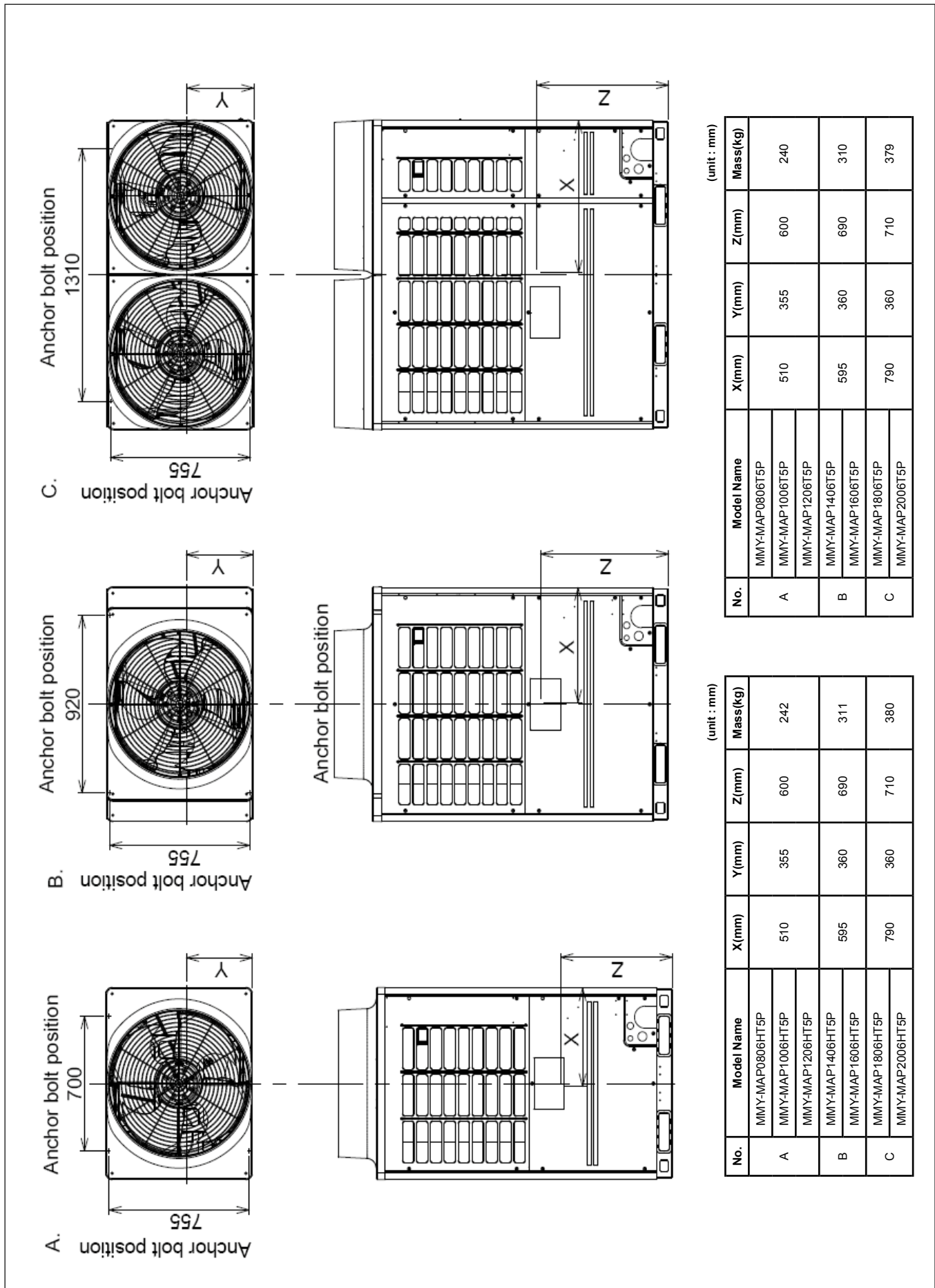
Combination

Model Name	Outdoor unit		
	(1) Header unit	(2) Follower unit	(3) Follower unit
MMY-AP5416HT5P/6T5P	MMY-MAP2006HT5P/6T5P	MMY-MAP2006HT5P/6T5P	MMY-MAP1406HT5P/6T5P
MMY-AP5616HT5P/6T5P	MMY-MAP2006HT5P/6T5P	MMY-MAP2006HT5P/6T5P	MMY-MAP1606HT5P/6T5P



(Unit: mm)

5-3. Center of gravity

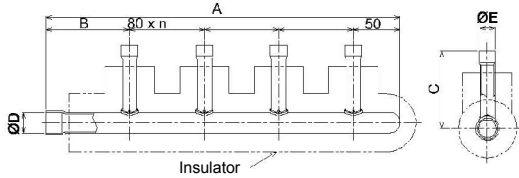


5-4. Branch header / branch joint

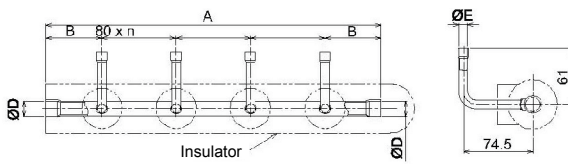
• Branch header

RBM-HY1043E, HY1083E, HY2043E, HY2083E

Gas side



Liquid side



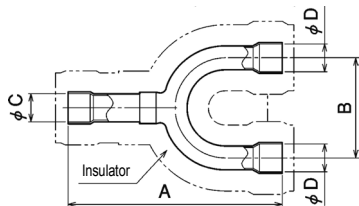
(Unit : mm)

Model		A	B	C	øD	øE	n	Accessory socket Qty
RBM-HY1043E	Gas side	380	90	83.6	22.2	15.9	3	⑥x 4, ⑨x 4, ⑭x 1, ⑱x 1, ⑳x 1
	Liquid side	360	60	-	15.9	9.5	3	①x 4, ⑥x 1, ⑨x 1
RBM-HY1083E	Gas side	700	90	83.6	22.2	15.9	7	⑥x 8, ⑨x 8, ⑭x 1, ⑱x 1, ⑳x 1
	Liquid side	680	60	-	15.9	9.5	7	①x 8, ⑥x 1, ⑨x 1
RBM-HY2043E	Gas side	385.5	95.5	89.3	31.8	15.9	3	⑥x 2, ⑨x 2, ⑳x 1, ㉑x 1
	Liquid side	360	60	-	15.9	9.5	3	①x 2 ㉑x 1
RBM-HY2083E	Gas side	705.5	95.5	89.3	31.8	15.9	7	⑥x 7, ⑨x 7, ⑳x 1, ㉑x 1
	Liquid side	680	60	-	15.9	9.5	7	①x 7, ㉑x 1

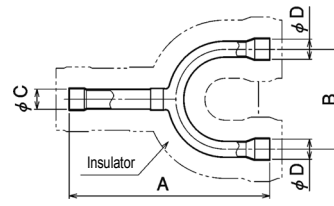
• Y-shape branch joint

RBM-BY55E, BY105E, BY205E, BY305E

Gas side



Liquid side

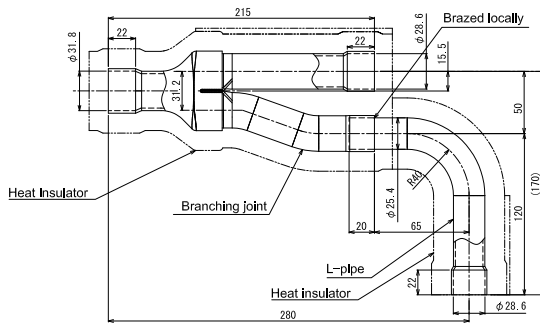


(Unit : mm)

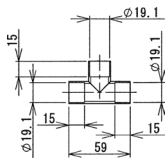
RBM-		A	B	øC	øD	Accessory socket Qty
BY55E	Gas side	160	80	15.9	15.9	⑨x 1, ⑤①x 2, ⑨①x 2
	Liquid side	130	70	9.5	9.5	①x 2te
BY105E	Gas side	170	80	22.2	22.2	⑭x 2, ⑳x 2, ⑨①x 1
	Liquid side	160	80	15.9	15.9	⑨x 1, ⑨①x 1, ⑨②x 1
BY205E	Gas side	200	80	31.8	28.6	⑱x 1, ⑳x 1, ④③x 2, ⑤③x 1, ⑤⑨x 1, ⑨①x 1
	Liquid side	160	80	15.9	15.9	⑨x 1, ⑤①x 2, ⑨②x 1
BY305E	Gas side	220	80	38.1	38.1	④③x 1, ⑥①x 3, ⑥②x 2, ⑦①x 2, ⑦⑤x 1, ⑨①x 1
	Liquid side	170	80	22.2	22.2	⑨②x 1, ⑨③x 3, ⑦⑦x 2

• Branching joint for connection of outdoor units (Set of three kinds of joint)
RBM-BT14E

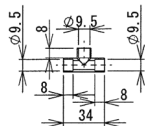
Gas side



Liquid side



Balance pipe

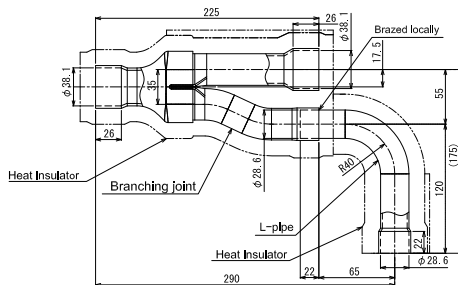


RBM-BT14E	
	Accessory socket Qty
Gas side	27 x 1, 43 x 2, 59 x 1
Liquid side	10 x 2, 13 x 1

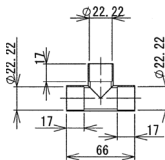
(Unit : mm)

RBM-BT24E

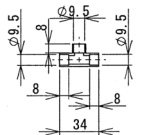
Gas side



Liquid side



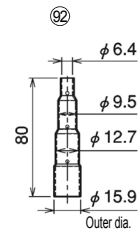
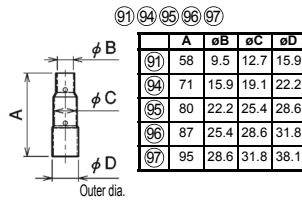
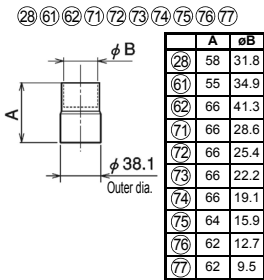
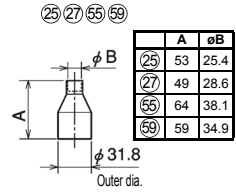
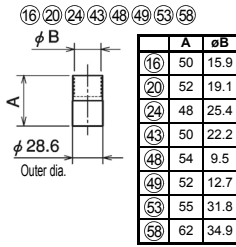
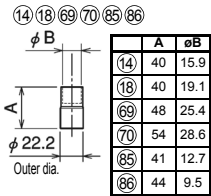
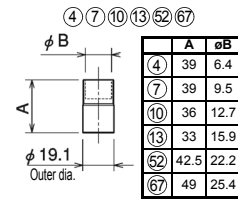
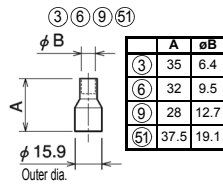
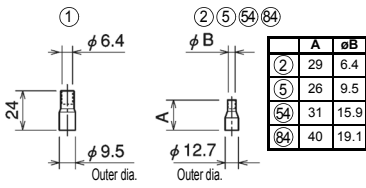
Balance pipe



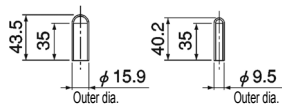
RBM-BT24E	
	Accessory socket Qty
Gas side	43 x 1, 61 x 2, 62 x 2, 71 x 1, 73 x 1
Liquid side	14 x 2, 18 x 2, 65 x 1, 70 x 1

(Unit : mm)

• Accessory socket



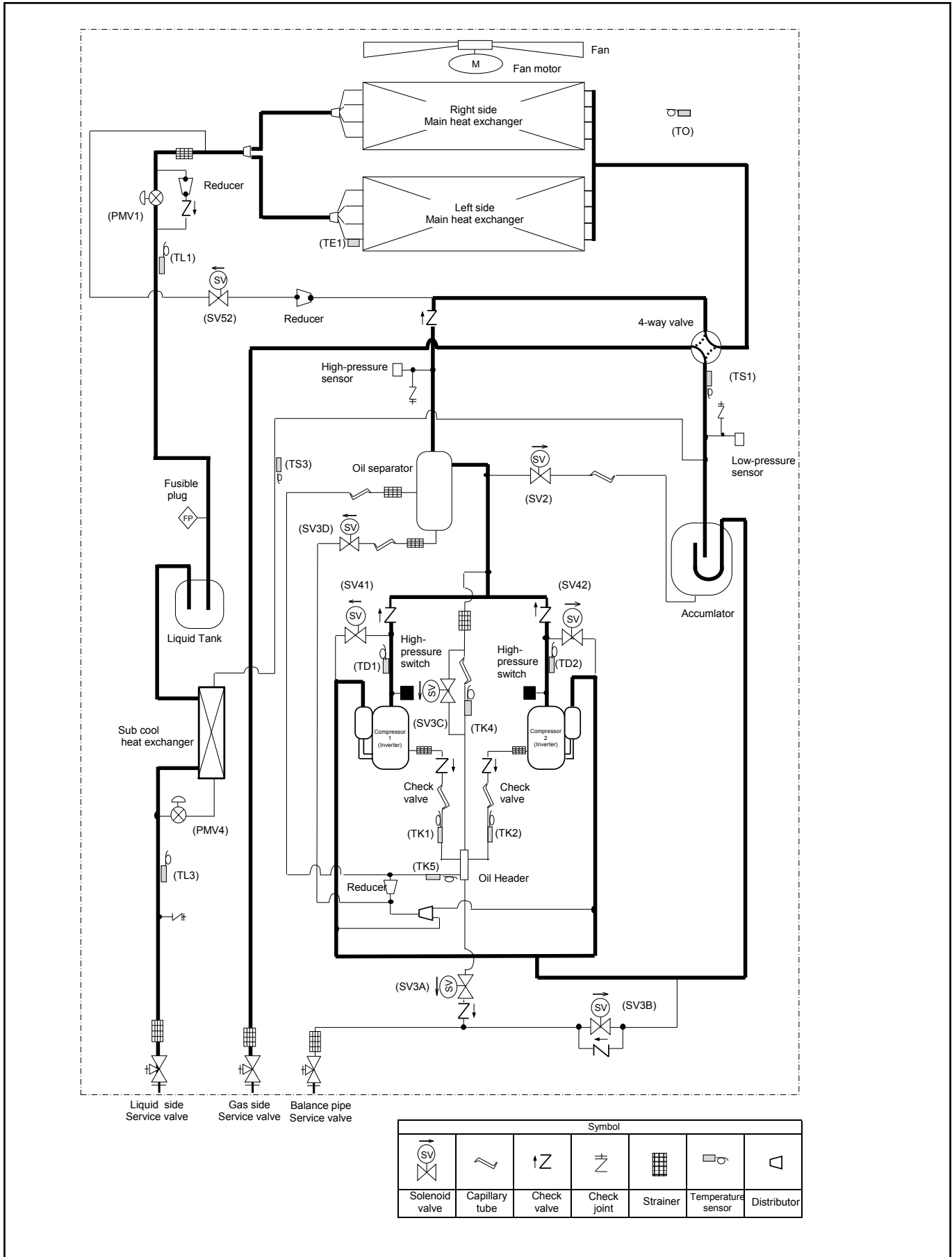
Closure tube



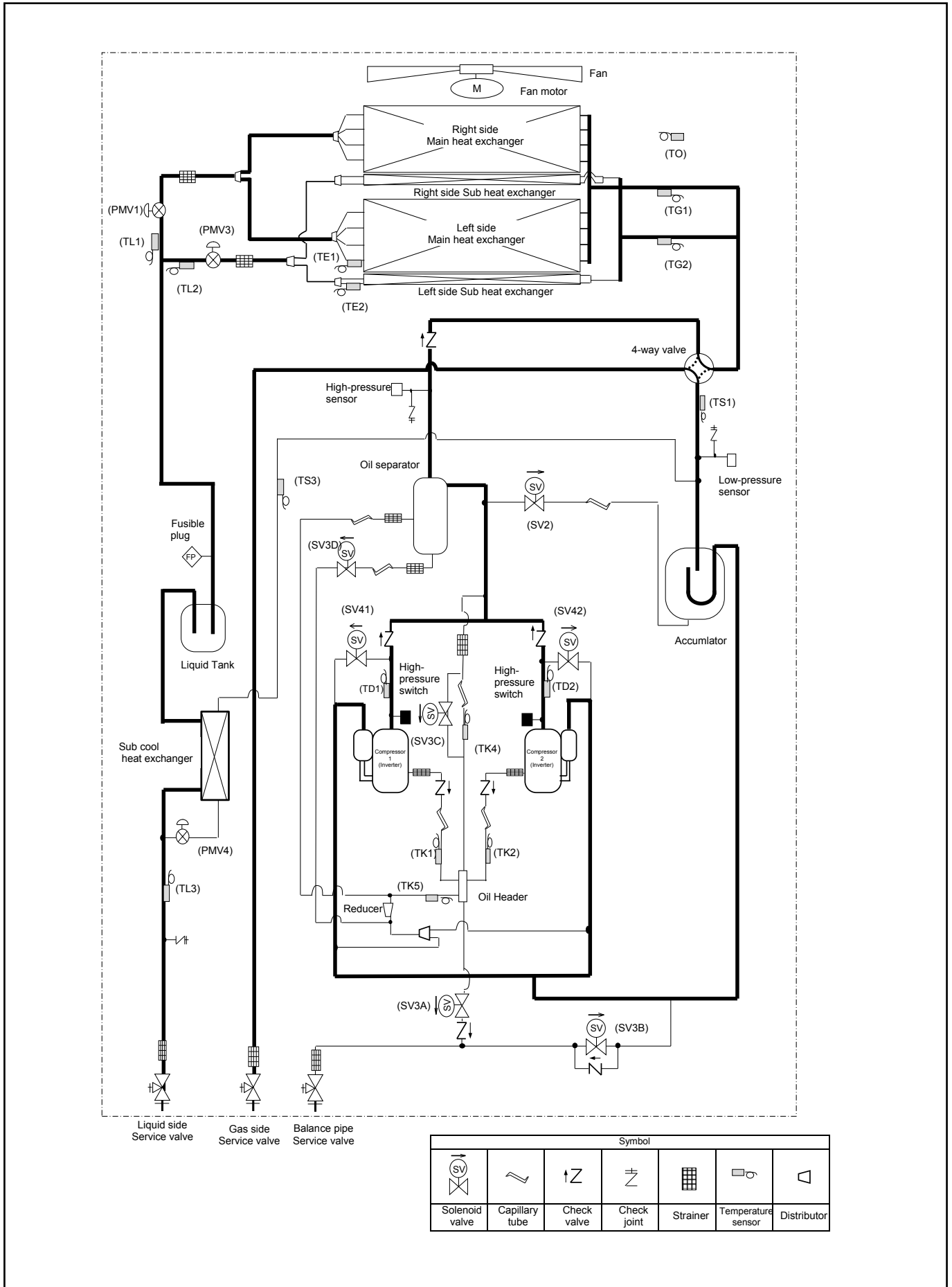
(Unit : mm)

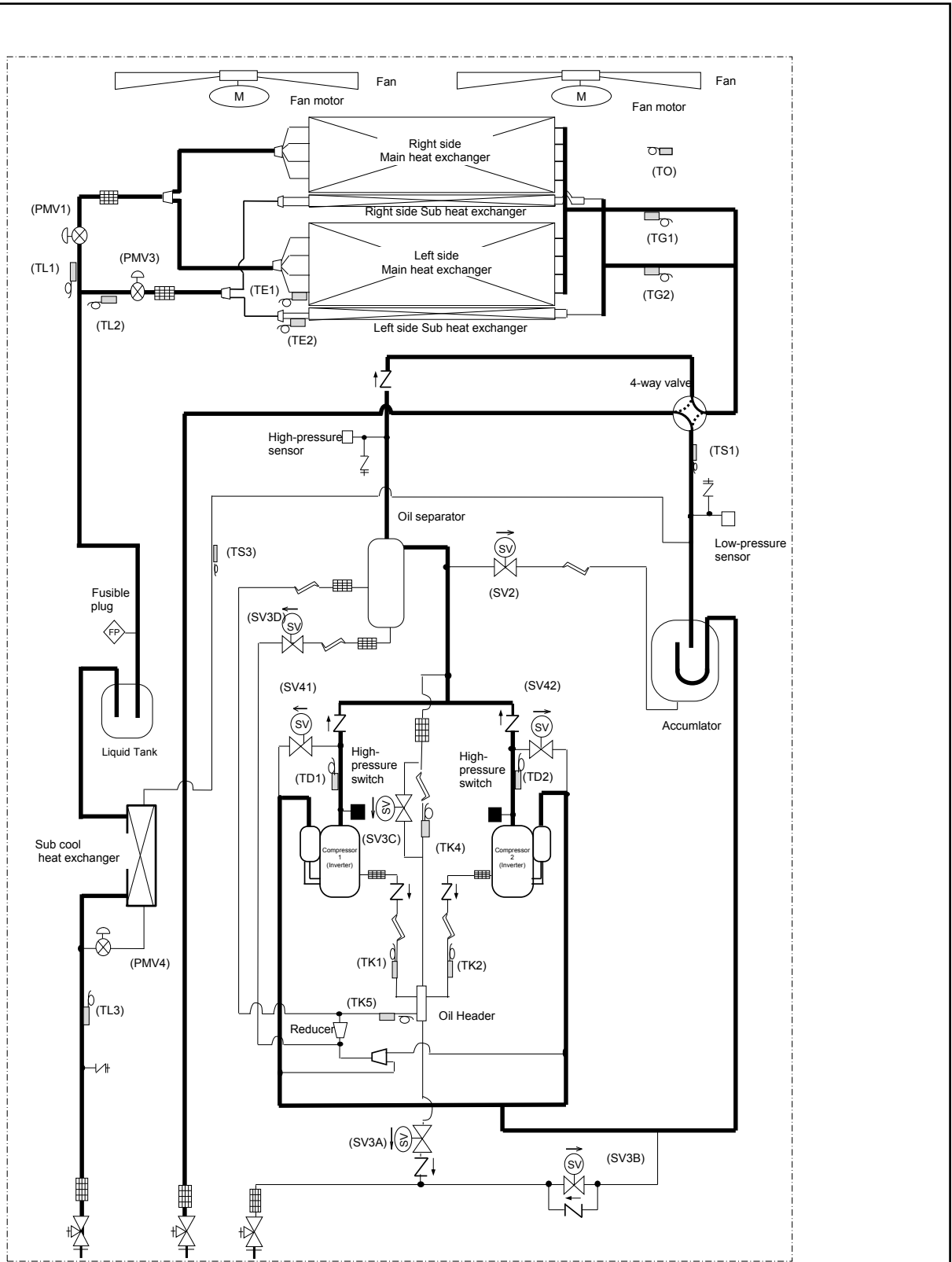
5-5. Refrigerant cycle diagram

MMY-MAP0806HT5P, MMY-MAP1006HT5P, MMY-MAP1206HT5P



Symbol						
Solenoid valve	Capillary tube	Check valve	Check joint	Strainer	Temperature sensor	Distributor

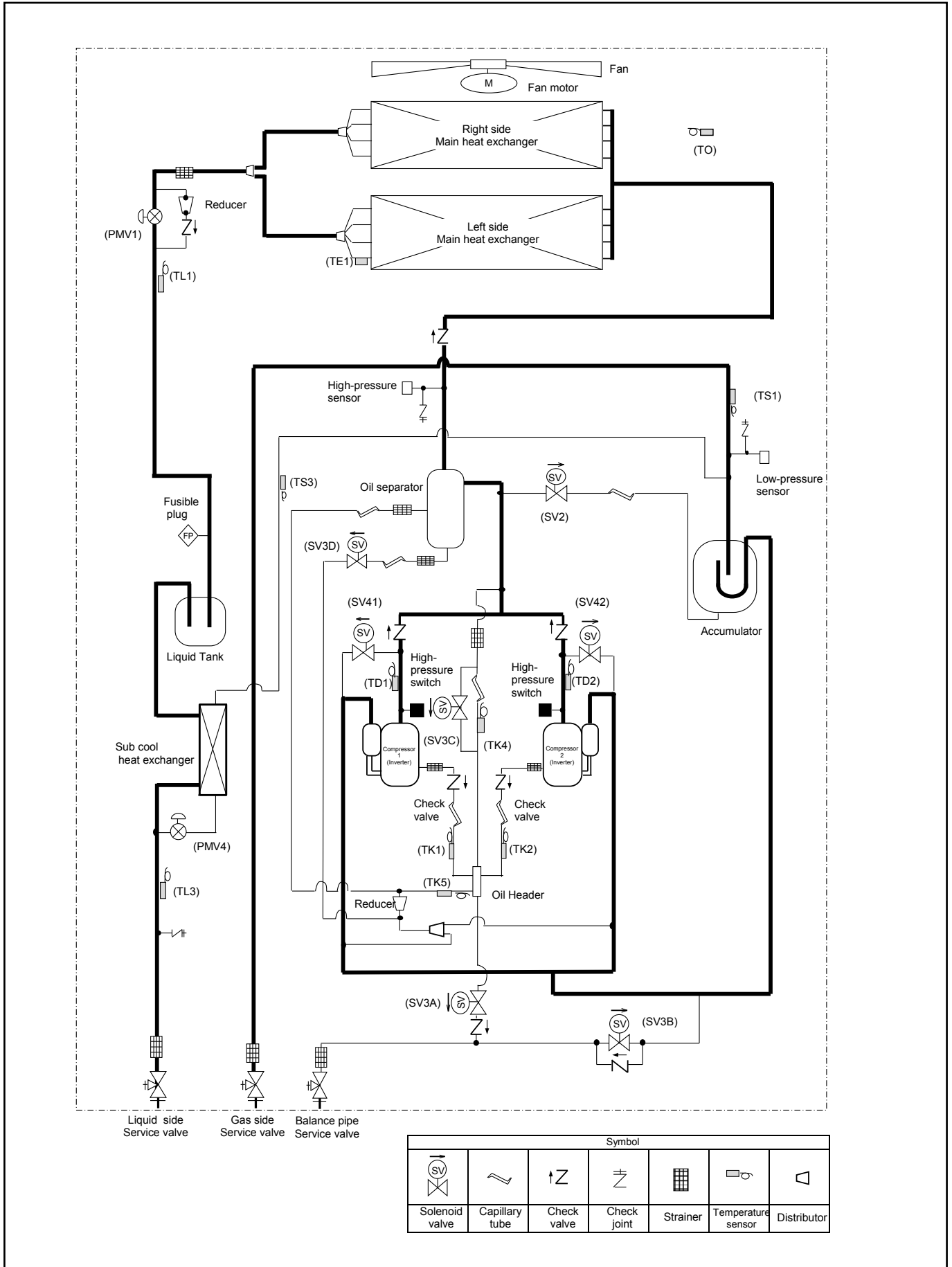


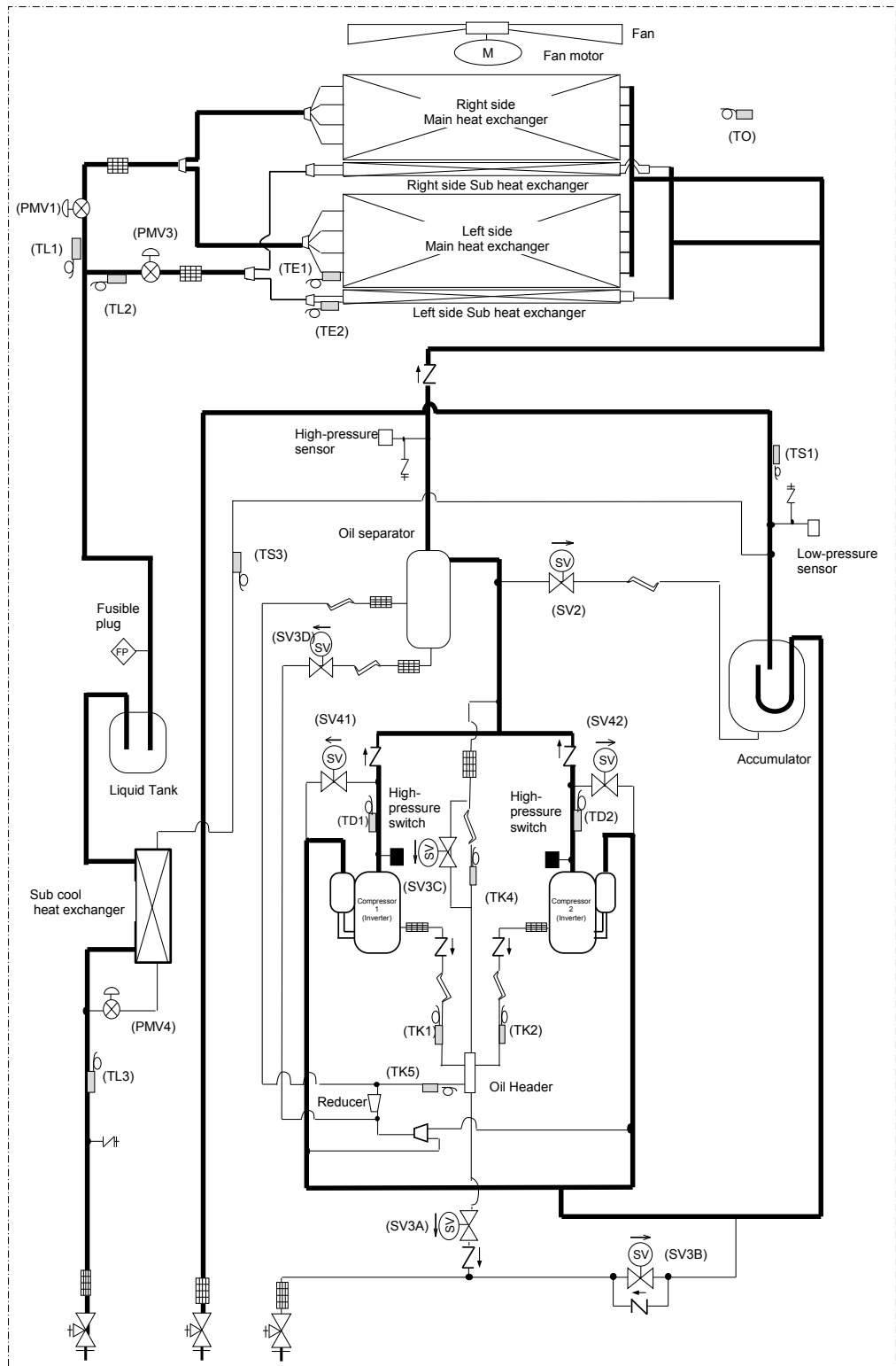


Liquid side Service valve Gas side Service valve Balance pipe Service valve

Symbol						
Solenoid valve	Capillary tube	Check valve	Check joint	Strainer	Temperature sensor	Distributor

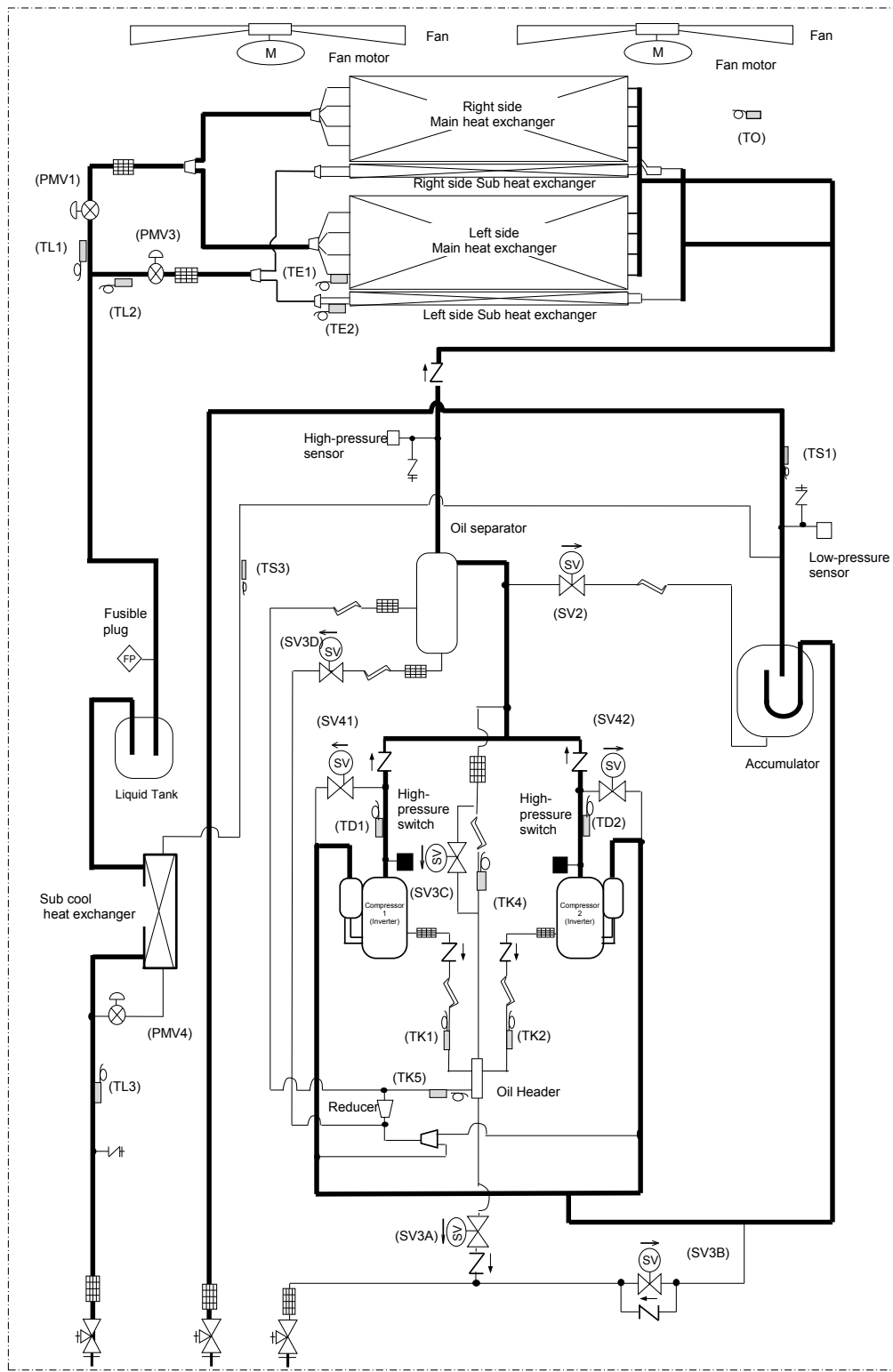
MMY-MAP0806T5P, MMY-MAP1006T5P, MMY-MAP1206T5P





Liquid side Service valve Gas side Service valve Balance pipe Service valve

Symbol						
Solenoid valve	Capillary tube	Check valve	Check joint	Strainer	Temperature sensor	Distributor

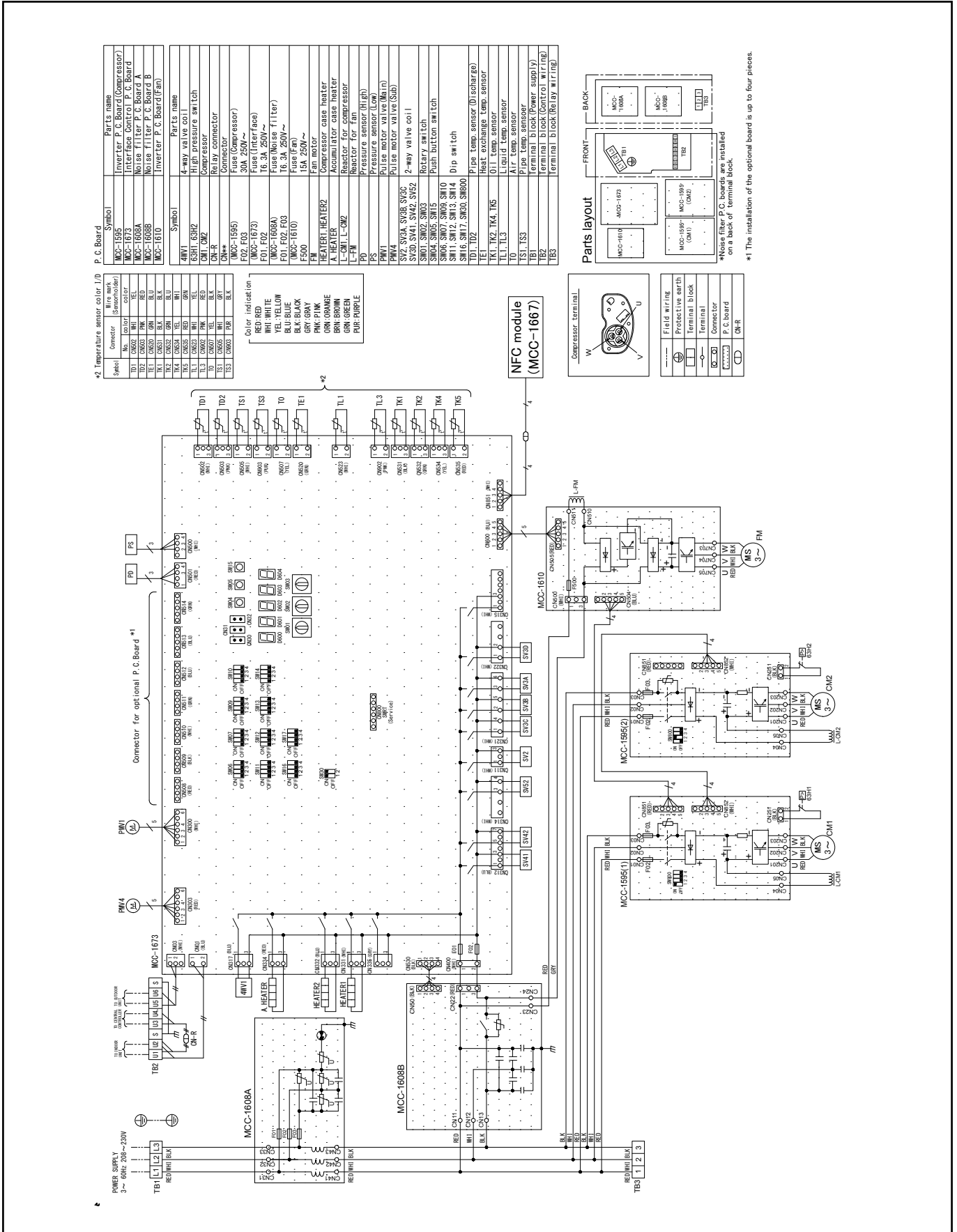


Liquid side Service valve Gas side Service valve Balance pipe Service valve

Symbol						
Solenoid valve	Capillary tube	Check valve	Check joint	Strainer	Temperature sensor	Distributor

5-6. Wiring diagram

Model : MMY-MAP0806HT5P, MMY-MAP1006HT5P , MMY-MAP1206HT5P



#2 Temperature sensor color (I/O)

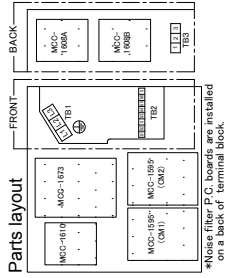
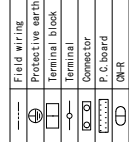
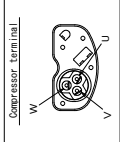
Specs	Connector	Wire mark (Sensor holder)	Parts name
MCC-1595	CM1	RED	Inverter P.C. Board (Compressor)
MCC-1673	CM2	RED	Interface Control P.C. Board
MCC-1608A	CM1	RED	Noise Filter P.C. Board A
MCC-1608B	CM2	RED	Noise Filter P.C. Board B
MCC-1610	CM1	RED	Inverter P.C. Board (Fan)

Symbol	Parts name
4W1	4-way valve coil
CM1, CM2	High pressure switch
CM-R	Compressor
CM-R	Relay connector
CMC-1595	Compressor
FO1, FO2	Fuse (30A, 250V)
FO1, FO2	Fuse (16.3A, 250V~)
FO1, FO2, FO3	Fuse (Noise Filter)
FO1, FO2, FO3	Fuse (16.3A, 250V~)
FO3	Fuse (Fan)
FO3	Fuse (15A, 250V~)
FM	Fan motor
HEATER1, HEATER2	Compressor case heater
HEATER1, HEATER2	Compressor case heater
L-FM, L-CM2	Reactor for fan
PD	Pressure sensor (High)
PS	Pressure sensor (Low)
PMV1	Pulse motor valve (Main)
PMV4	Pulse motor valve (Sub)
SV2, SV3A, SV3B, SV3C	2-way valve coil
SV3D, SV41, SV42, SV52	Rotary switch
SW1, SW2, SW3	Push button switch
SW5, SW7, SW9, SW10	Dip switch
SW11, SW12, SW13, SW14	Dip switch
SW16, SW17, SW18, SW19	Dip switch
TD1, TD2	Diode
TE1	Temp. sensor (Discharge)
TK1, TK2, TK4, TK5	Heat exchange temp. sensor
TL1, TL3	Oil temp. sensor
TO	Air temp. sensor
TS1, TS3	Pipe temp. sensor
TR1	Pressure sensor (Super)
TR2	terminal block (Control wiring)
TR3	terminal block (Relay wiring)

Color indication

RED	RED
YEL	YEL
BLK	BLK
BLU	BLU
GRY	GRY
GRN	GRN
BRN	BRN
PUR	PUR
GRY	GRY
GRN	GRN
BRN	BRN
PUR	PUR

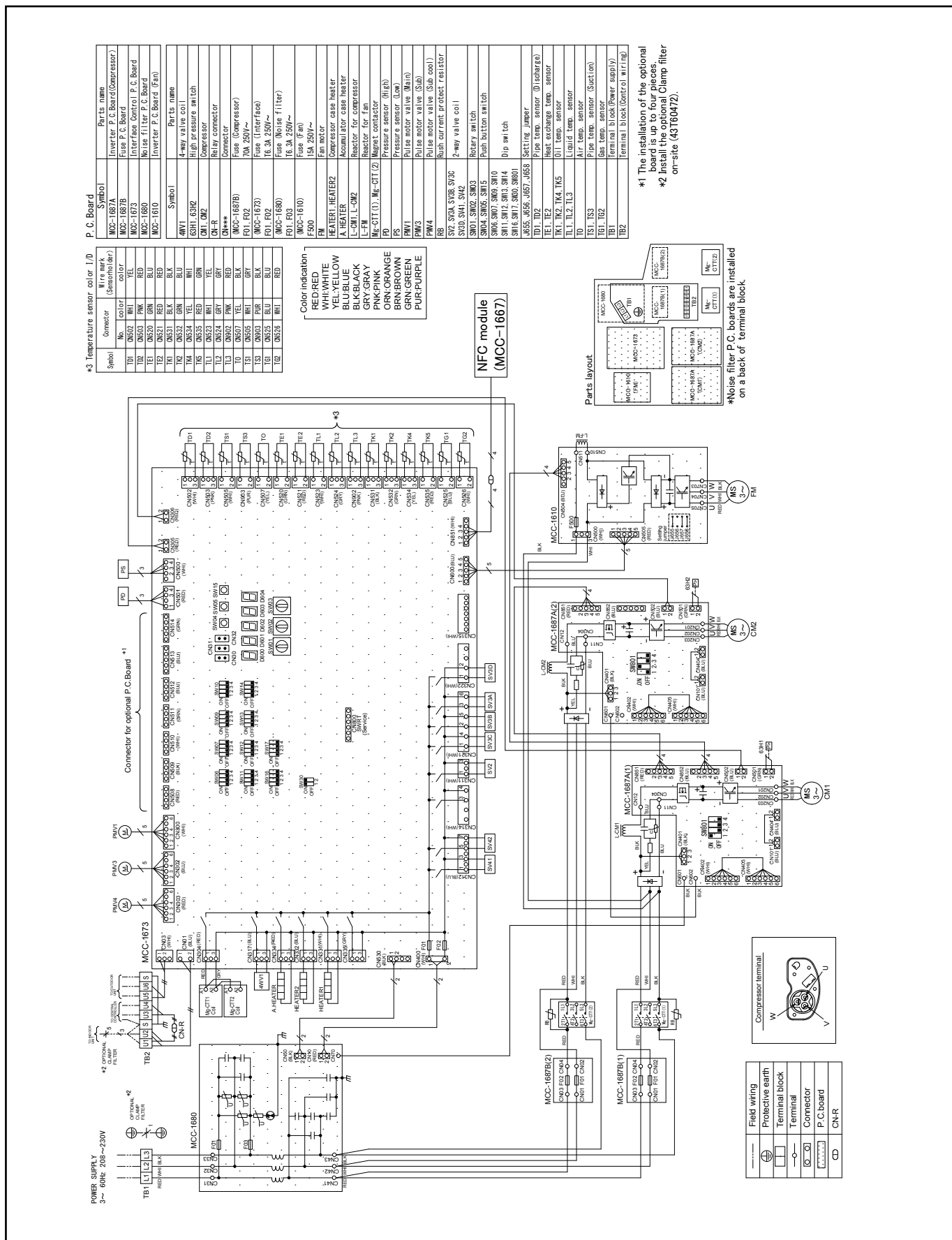
NFC module (MCC-1667)



*1 The installation of the optional board is up to four pieces.



Model : MMY-MAP1406HT5P, MMY-MAP1606HT5P



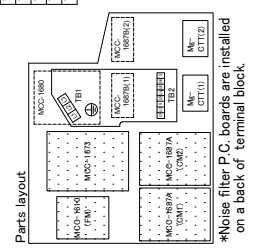
Parts name

Symbol	Wire mark (Sensor/der)	Color	Parts name
MCC-1687A			Inverter P.C. Board (Compressor)
MCC-1687B			Fuse P.C. Board
MCC-1673			Interface Control P.C. Board
MCC-1680			Noise Filter P.C. Board
MCC-1610			Inverter P.C. Board (Fan)
MW1			Parts name
MW1			4-way valve coil
MW2			High pressure switch
MW3			Compressor
MW4			Sub-compressor
MW5			Fuse (Compressor)
MW6			Fuse (Compressor)
MW7			Fuse (Interface)
MW8			Fuse (Interface)
MW9			Fuse (Noise Filter)
MW10			Fuse (Noise Filter)
MW11			Fuse (Fan)
MW12			Fuse (Fan)
MW13			Fan motor
MW14			HEATER1, HEATER2
MW15			Compressor case heater
MW16			Accumulator case heater
MW17			L-OM, L-OMZ
MW18			Reactor for compressor
MW19			Reactor for fan
MW20			Magnet contactor
MW21			Pressure sensor (High)
MW22			Pressure sensor (Low)
MW23			Pulse motor valve (Main)
MW24			Pulse motor valve (Sub)
MW25			Pulse motor valve (Sub coil)
MW26			2-way valve coil
MW27			Rotary switch
MW28			Push button switch
MW29			Dip switch
MW30			Setting jumper
MW31			Pipe temp. sensor (Discharge)
MW32			Pipe exchange temp. sensor
MW33			Pipe temp. sensor
MW34			Line temp. sensor
MW35			Pipe temp. sensor (Section)
MW36			Gas temp. sensor
MW37			Gas temp. sensor (power supply)
MW38			Terminal block (control wiring)

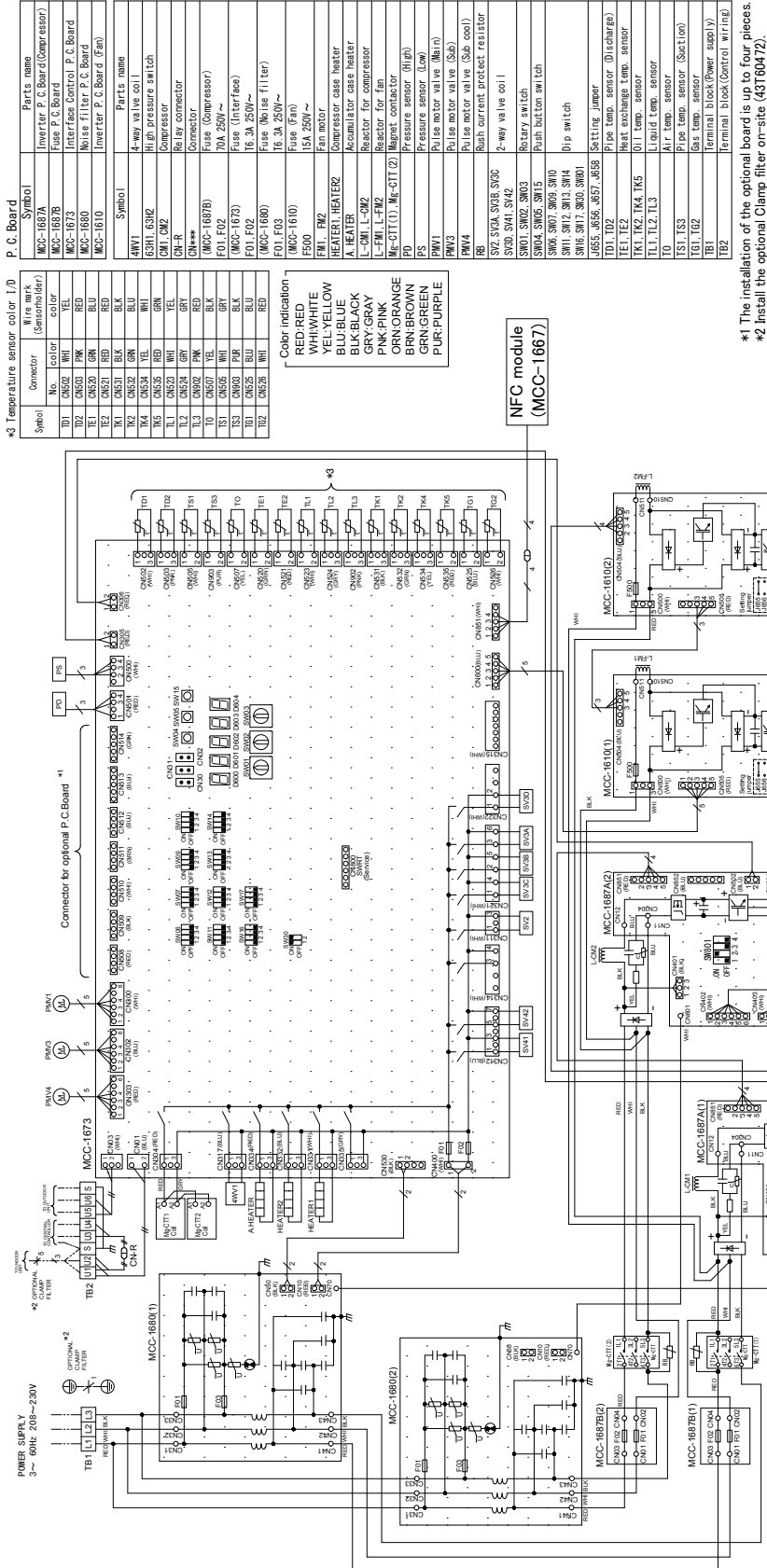
Color indication

Color	Parts name
RED	RELAY
BLK	BLACK
YEL	YELLOW
BLK/BLU	BLACK/BLUE
GRY/GRY	GRAY/GRAY
PNK/PNK	PINK/PINK
ORN/ORN	ORANGE/ORANGE
BRN/BRN	BROWN/BROWN
GRN/GRN	GREEN/GREEN
PUR/PUR	PURPLE/PURPLE

*1 The installation of the optional board is up to four pieces.
*2 Install the optional Clamp filter on-site (43T160472).



Model : MMY-MAP1806HT5P, MMY-MAP2006HT5P

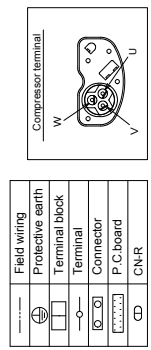


*3 Temperature sensor color 1/0

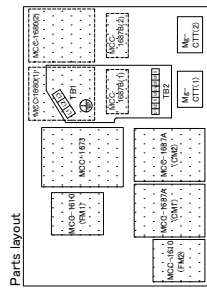
Symbol	Connector	Wire mark (Sensorcolor)	Parts name
TD1	MS 3-2	WHI	Inverter P.C. Board (Compressor)
TD2	MS 3-2	RED	Fuse P.C. Board
TE1	MS 3-2	RED	Interface Control P.C. Board
TE2	MS 3-2	RED	Noise Filter P.C. Board
TD3	MS 3-2	RED	Inverter P.C. Board (Fan)
TR1	MS 3-2	BLK	4-way valve coil
TR2	MS 3-2	BLK	4-way valve coil
TR3	MS 3-2	WHI	High pressure switch
TR4	MS 3-2	VEI	Compressor
TR5	MS 3-2	RED	Relay connector
TR6	MS 3-2	RED	Compressor
TR7	MS 3-2	RED	Compressor
TR8	MS 3-2	RED	Compressor
TR9	MS 3-2	RED	Compressor
TR10	MS 3-2	VEI	Fuse (Compressor)
TR11	MS 3-2	VEI	Fuse (Interface)
TR12	MS 3-2	VEI	Fuse (Interface)
TR13	MS 3-2	VEI	Fuse (Interface)
TR14	MS 3-2	VEI	Fuse (Interface)
TR15	MS 3-2	VEI	Fuse (Interface)
TR16	MS 3-2	VEI	Fuse (Interface)
TR17	MS 3-2	VEI	Fuse (Interface)
TR18	MS 3-2	VEI	Fuse (Interface)
TR19	MS 3-2	VEI	Fuse (Interface)
TR20	MS 3-2	VEI	Fuse (Interface)
TR21	MS 3-2	VEI	Fuse (Interface)
TR22	MS 3-2	VEI	Fuse (Interface)
TR23	MS 3-2	VEI	Fuse (Interface)
TR24	MS 3-2	VEI	Fuse (Interface)
TR25	MS 3-2	VEI	Fuse (Interface)
TR26	MS 3-2	VEI	Fuse (Interface)
TR27	MS 3-2	VEI	Fuse (Interface)
TR28	MS 3-2	VEI	Fuse (Interface)
TR29	MS 3-2	VEI	Fuse (Interface)
TR30	MS 3-2	VEI	Fuse (Interface)
TR31	MS 3-2	VEI	Fuse (Interface)
TR32	MS 3-2	VEI	Fuse (Interface)
TR33	MS 3-2	VEI	Fuse (Interface)
TR34	MS 3-2	VEI	Fuse (Interface)
TR35	MS 3-2	VEI	Fuse (Interface)
TR36	MS 3-2	VEI	Fuse (Interface)
TR37	MS 3-2	VEI	Fuse (Interface)
TR38	MS 3-2	VEI	Fuse (Interface)
TR39	MS 3-2	VEI	Fuse (Interface)
TR40	MS 3-2	VEI	Fuse (Interface)
TR41	MS 3-2	VEI	Fuse (Interface)
TR42	MS 3-2	VEI	Fuse (Interface)
TR43	MS 3-2	VEI	Fuse (Interface)
TR44	MS 3-2	VEI	Fuse (Interface)
TR45	MS 3-2	VEI	Fuse (Interface)
TR46	MS 3-2	VEI	Fuse (Interface)
TR47	MS 3-2	VEI	Fuse (Interface)
TR48	MS 3-2	VEI	Fuse (Interface)
TR49	MS 3-2	VEI	Fuse (Interface)
TR50	MS 3-2	VEI	Fuse (Interface)
TR51	MS 3-2	VEI	Fuse (Interface)
TR52	MS 3-2	VEI	Fuse (Interface)
TR53	MS 3-2	VEI	Fuse (Interface)
TR54	MS 3-2	VEI	Fuse (Interface)
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TR62	MS 3-2	VEI	Fuse (Interface)
TR63	MS 3-2	VEI	Fuse (Interface)
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TR65	MS 3-2	VEI	Fuse (Interface)
TR66	MS 3-2	VEI	Fuse (Interface)
TR67	MS 3-2	VEI	Fuse (Interface)
TR68	MS 3-2	VEI	Fuse (Interface)
TR69	MS 3-2	VEI	Fuse (Interface)
TR70	MS 3-2	VEI	Fuse (Interface)
TR71	MS 3-2	VEI	Fuse (Interface)
TR72	MS 3-2	VEI	Fuse (Interface)
TR73	MS 3-2	VEI	Fuse (Interface)
TR74	MS 3-2	VEI	Fuse (Interface)
TR75	MS 3-2	VEI	Fuse (Interface)
TR76	MS 3-2	VEI	Fuse (Interface)
TR77	MS 3-2	VEI	Fuse (Interface)
TR78	MS 3-2	VEI	Fuse (Interface)
TR79	MS 3-2	VEI	Fuse (Interface)
TR80	MS 3-2	VEI	Fuse (Interface)
TR81	MS 3-2	VEI	Fuse (Interface)
TR82	MS 3-2	VEI	Fuse (Interface)
TR83	MS 3-2	VEI	Fuse (Interface)
TR84	MS 3-2	VEI	Fuse (Interface)
TR85	MS 3-2	VEI	Fuse (Interface)
TR86	MS 3-2	VEI	Fuse (Interface)
TR87	MS 3-2	VEI	Fuse (Interface)
TR88	MS 3-2	VEI	Fuse (Interface)
TR89	MS 3-2	VEI	Fuse (Interface)
TR90	MS 3-2	VEI	Fuse (Interface)
TR91	MS 3-2	VEI	Fuse (Interface)
TR92	MS 3-2	VEI	Fuse (Interface)
TR93	MS 3-2	VEI	Fuse (Interface)
TR94	MS 3-2	VEI	Fuse (Interface)
TR95	MS 3-2	VEI	Fuse (Interface)
TR96	MS 3-2	VEI	Fuse (Interface)
TR97	MS 3-2	VEI	Fuse (Interface)
TR98	MS 3-2	VEI	Fuse (Interface)
TR99	MS 3-2	VEI	Fuse (Interface)
TR100	MS 3-2	VEI	Fuse (Interface)

Color indication
RED-RED
WHI-WHITE
YEL-YELLOW
BLU-BLUE
BLK-BLACK
GRY-GRAY
PNK-PINK
ORN-ORANGE
BRN-BROWN
GRN-GREEN
PUR-PURPLE

*1 The installation of the optional board is up to four pieces.
*2 Install the optional Clamp filter on-site (43T60472).

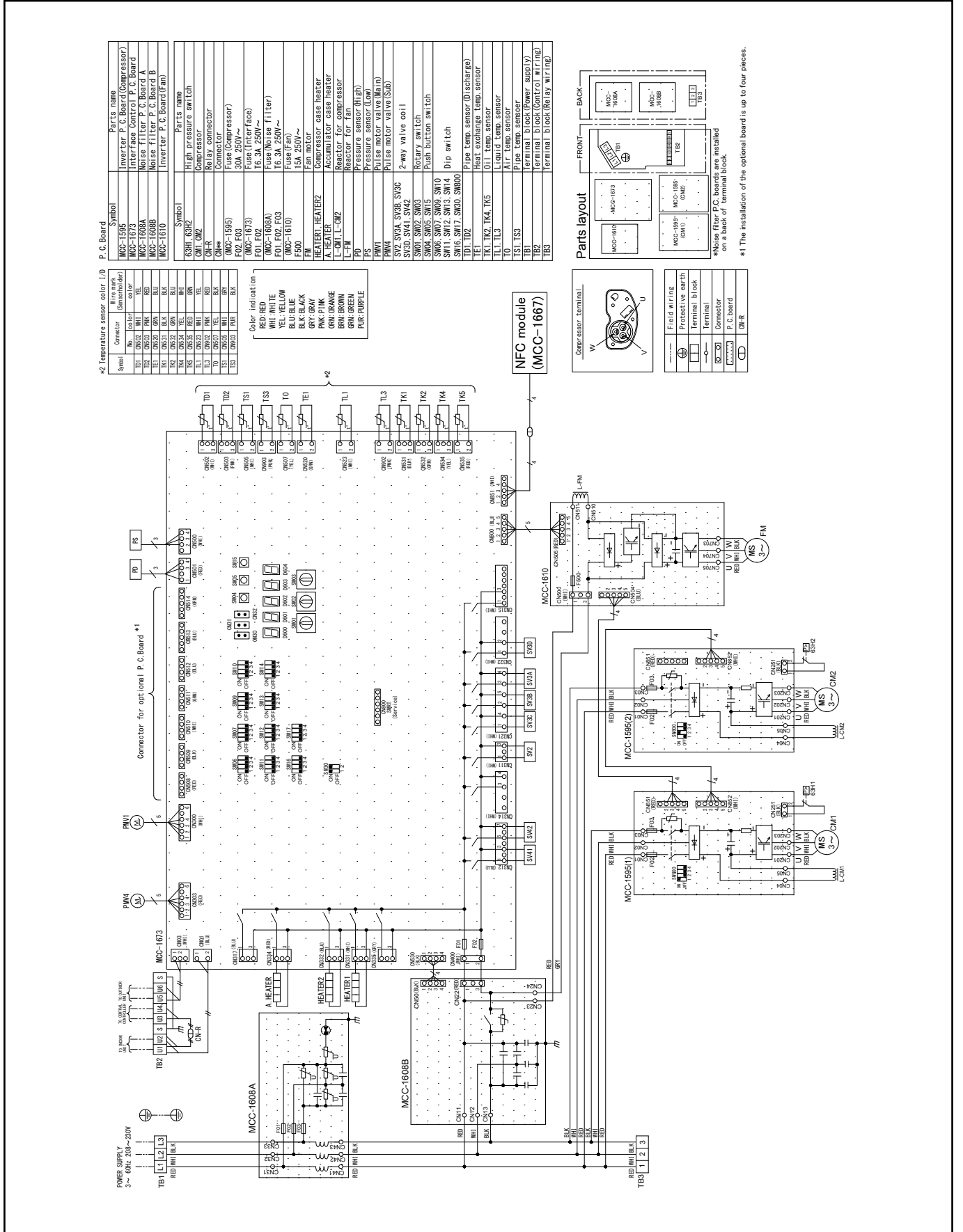


Field wiring	Protective earth	Terminal block	Connector	P.C. board	CNR



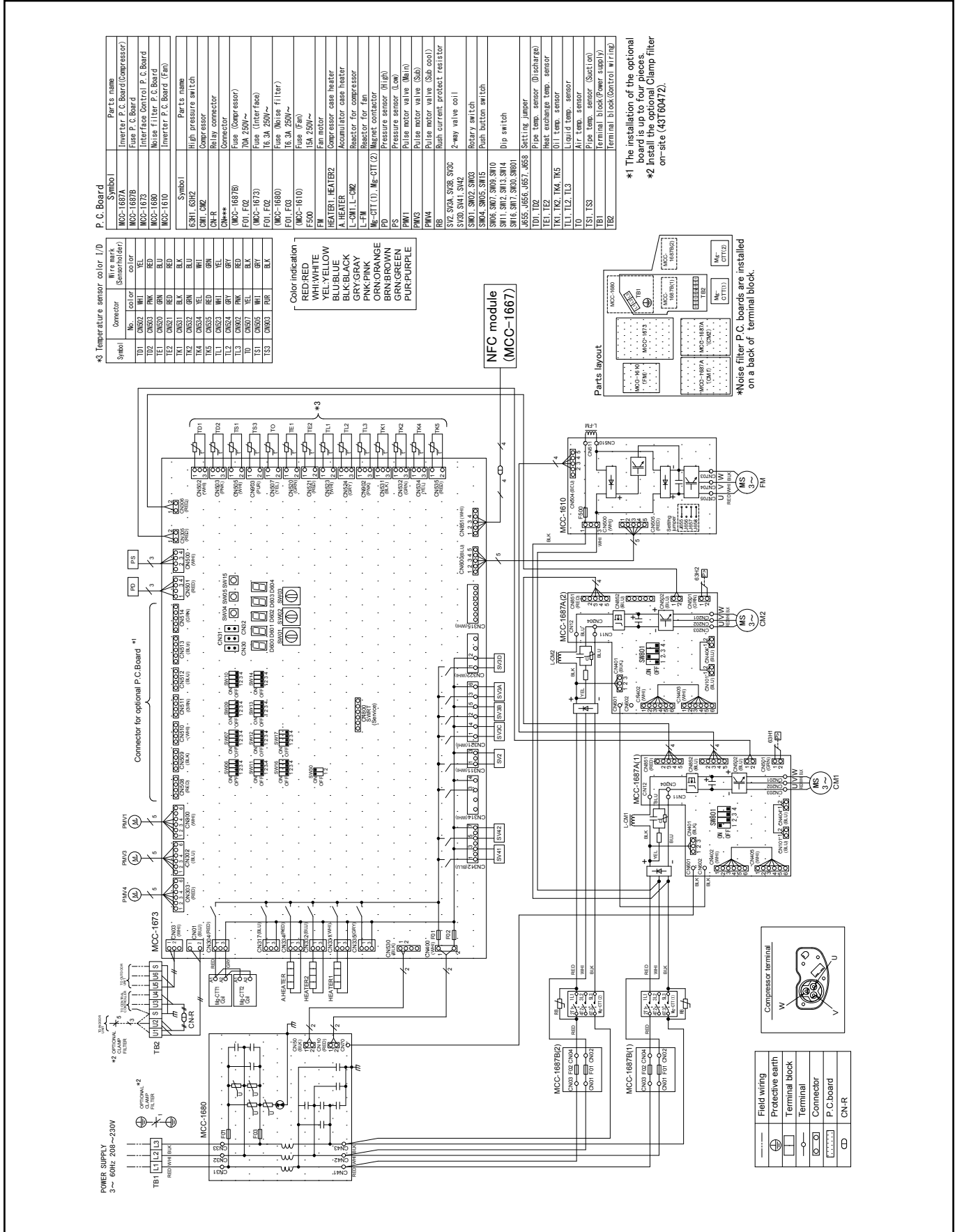
*Noise filter P.C. boards are installed on a back of terminal block.

Model : MMY-MAP0806T5P, MMY-MAP1006T5P, MMY-MAP1206T5P



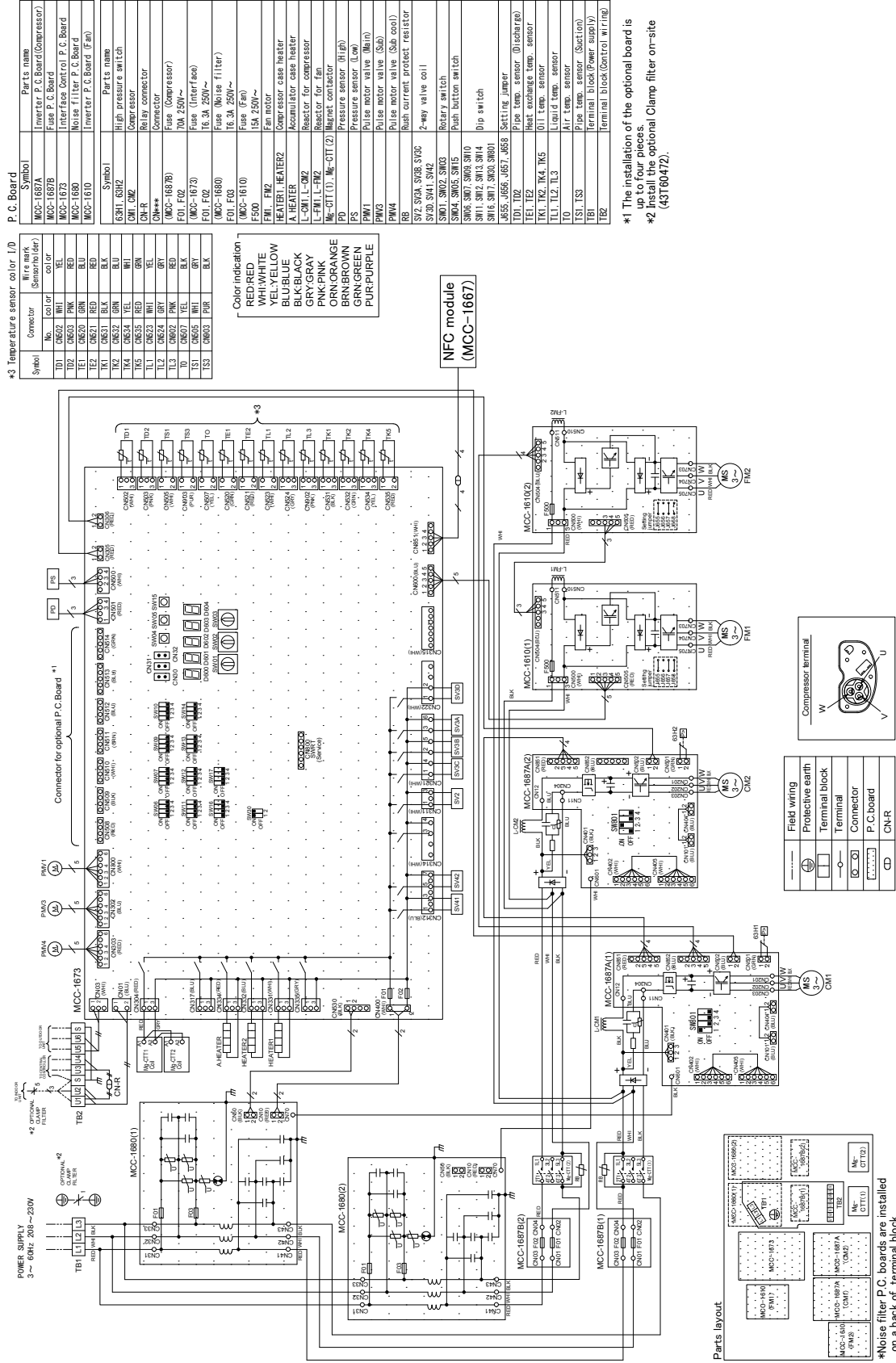


Model : MMY-MAP1406T5P, MMY-MAP1606T5P





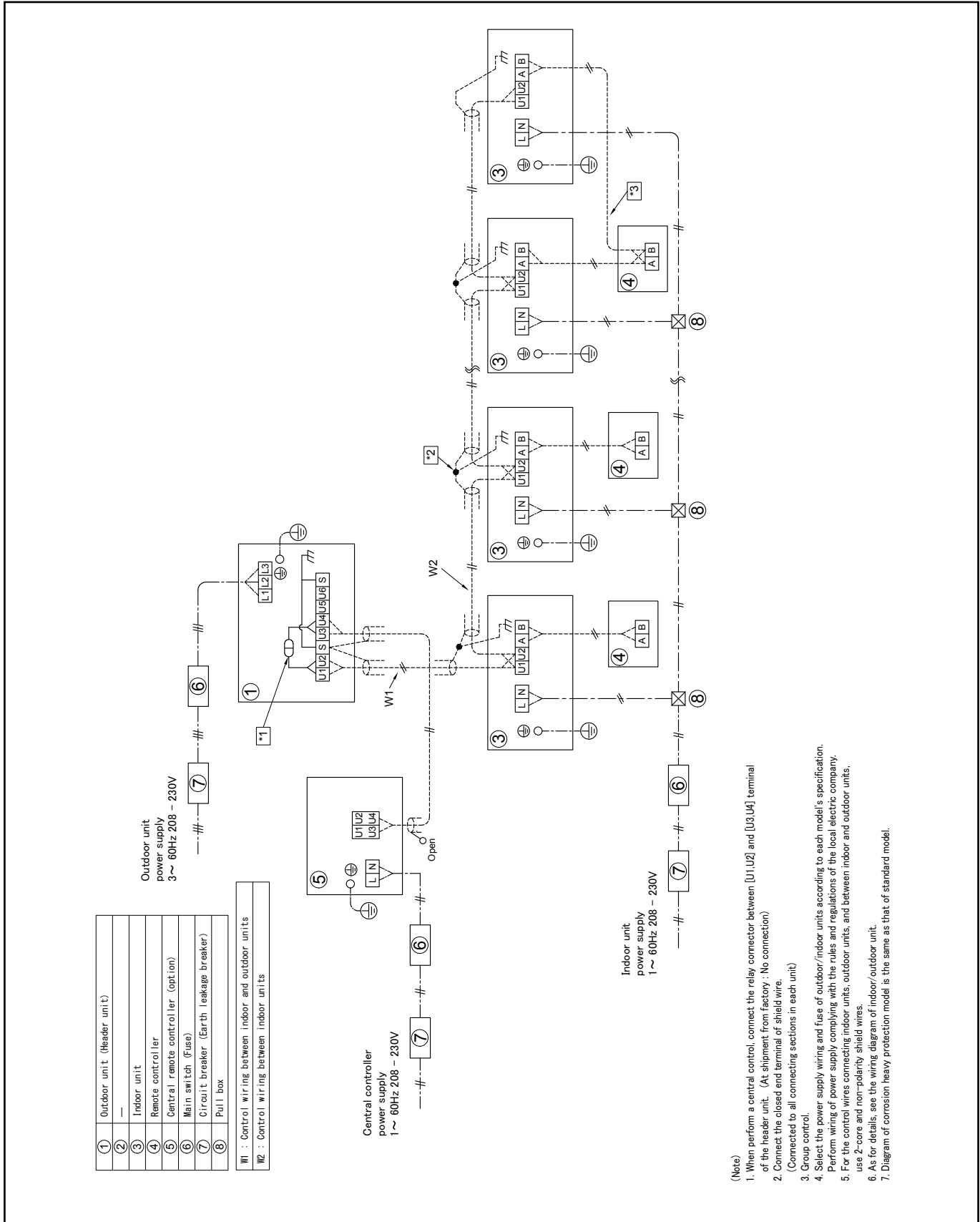
Model : MMY-MAP1806T5P, MMY-MAP2006T5P





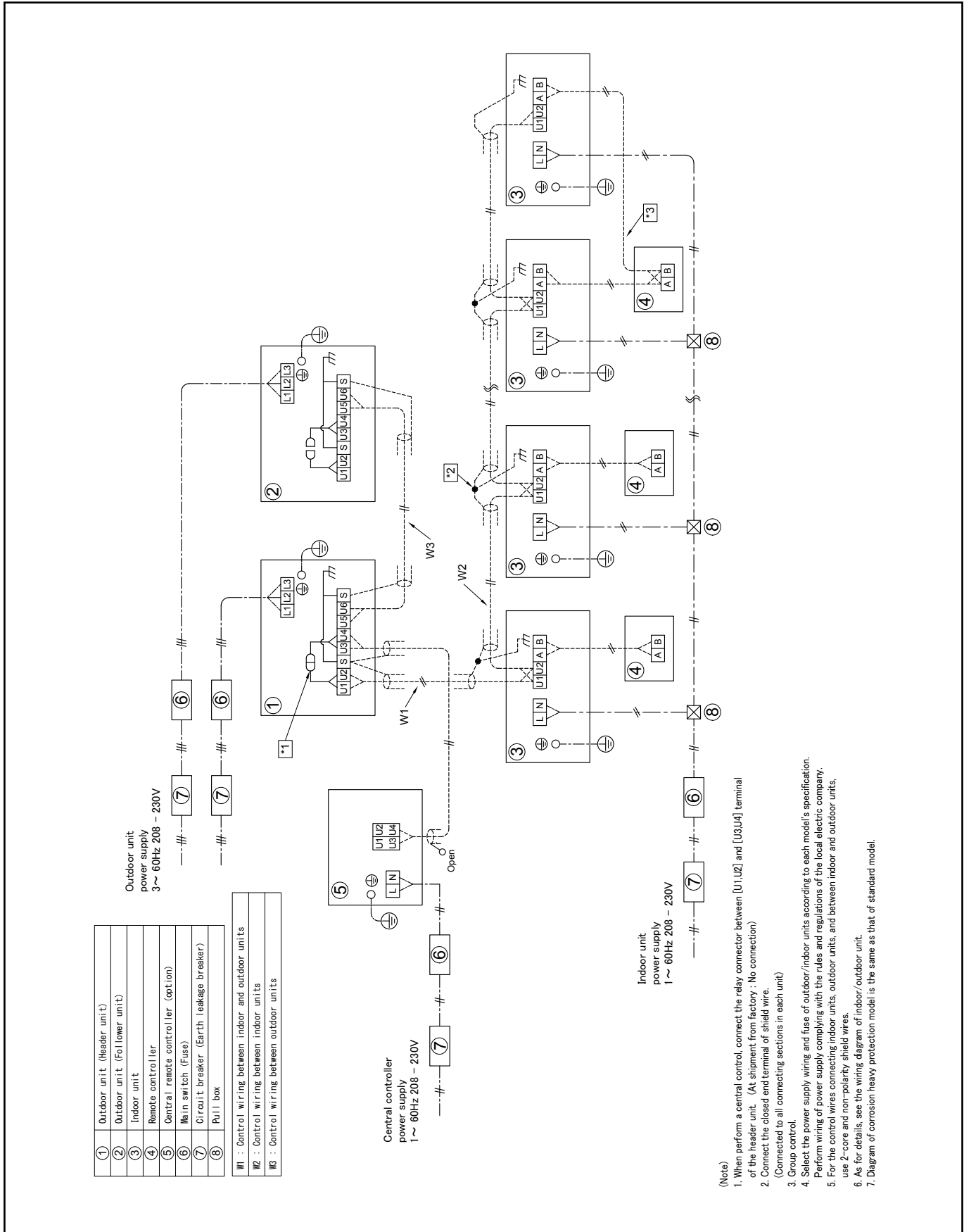
5-7. Connecting diagram

Model : MMY-MAP0806HT5P/6T5P, MMY-MAP1006HT5P/6T5P , MMY-MAP1206HT5P/6T5P, MMY-MAP1406HT5P/6T5P , MMY-MAP1606HT5P/6T5P, MMY-MAP1806HT5P/6T5P, MMY-MAP2006HT5P/6T5P



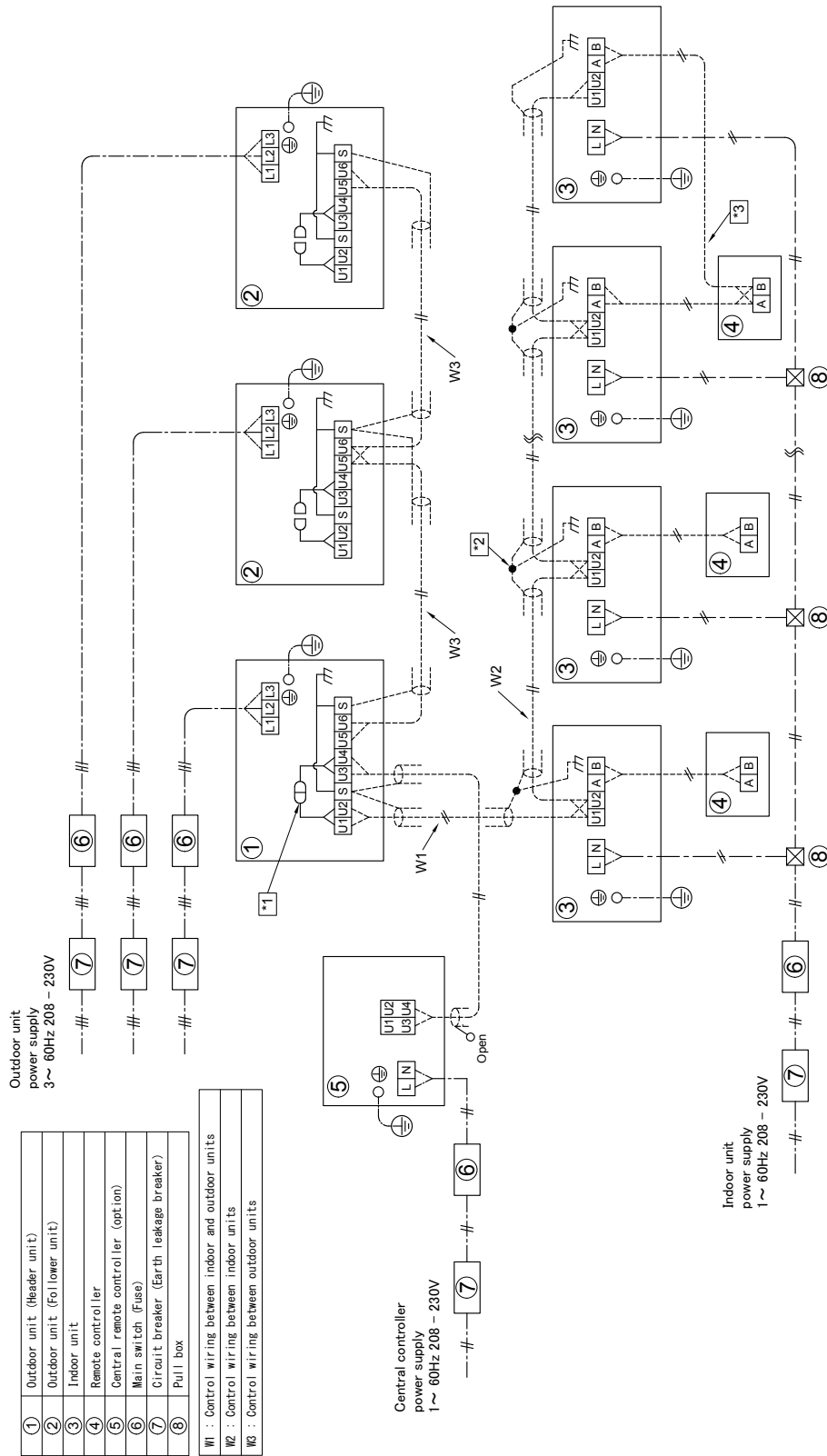


Model : MMY-AP2026HT5P/6T5P, MMY-AP2216HT5P/6T5P , MMY-AP2416HT5P/6T5P, MMY-AP2616HT5P/6T5P, MMY-AP2816HT5P/6T5P , MMY-AP3016HT5P/6T5P, MMY-AP3216HT5P/6T5P, MMY-AP3416HT5P/6T5P, MMY-AP3616HT5P/6T5P , MMY-AP3816HT5P/6T5P, MMY-AP4016HT5P/6T5P





Model : MMY-AP3626HT5P/6T5P , MMY-AP3826HT5P/6T5P , MMY-AP4026HT5P/6T5P ,
 MMY-AP4216HT5P/6T5P , MMY-AP4416HT5P/6T5P , MMY-AP4616HT5P/6T5P ,
 MMY-AP4816HT5P/6T5P , MMY-AP5016HT5P/6T5P , MMY-AP5216HT5P/6T5P ,
 MMY-AP5416HT5P/6T5P , MMY-AP5616HT5P/6T5P



①	Outdoor unit (header unit)
②	Outdoor unit (follower unit)
③	Indoor unit
④	Remote controller (option)
⑤	Central remote controller (option)
⑥	Main switch (fuse)
⑦	Circuit breaker (Earth leakage breaker)
⑧	Pull box

W1 : Control wiring between indoor and outdoor units
 W2 : Control wiring between indoor units
 W3 : Control wiring between outdoor units

- (Note)
- When perform a central control, connect the relay connector between [U1,U2] and [U3,U4] terminal of the header unit. (At shipment from factory : No connection)
 - Connect the closed end terminal of shield wire.
 - Group control.
 - Select the power supply wiring and fuse of outdoor/indoor units according to each model's specification. Perform wiring of power supply complying with the rules and regulations of the local electric company.
 - For the control wires connecting indoor units, outdoor units, and between indoor and outdoor units, use 2-core and non-polarity shield wires.
 - As for details, see the wiring diagram of indoor/outdoor unit.
 - Diagram of corrosion heavy protection model is the same as that of standard model.



5-8. Applied control for Outdoor Unit

The outdoor fan high static pressure support and priority operation mode setting (cooling / heating / number of units / or priority indoor unit) functions are made available by setting relevant switches provided on the interface P.C. board of the outdoor unit.

5-8-1. Outdoor Fan High Static Pressure Shift

Purpose/characteristics

This function is used when connecting a duct to the discharge port of an outdoor unit (as part of, for example, unit installation on the floor by floor installation.)

Setup

Turn ON the DIP switch [SW10, Bit 2] provided on the interface P.C. board of the outdoor unit.

This function must be enabled with every discharge duct connected outdoor unit for both of the header and follower units.

Specification

Increase the speed of the propeller fan units on the outdoor fan to allow the installation of a duct with a maximum external static pressure not greater than specified in the table below. If a discharge duct with a resistance greater than 15 Pa (1.5 mmAq) is to be used, enable this function. The maximum external static pressures of base units are shown below (Table 1). In the case of combined use of multiple outdoor units, set all the units to the same maximum external static pressure as the one with the lowest maximum external static pressure (see Table 2).

Table 1: Maximum External Static Pressure of Base Outdoor Units

Model	MMY-	MAP0806*	MAP1006*	MAP1206*	MAP1406*	MAP1606*	MAP1806*	MAP2006*
Maximum external static pressure	Pa	60	60	50	50	40	50	40
(*) Outdoor unit air flow	m3/h	9700	9700	12200	12200	12600	17300	17900

(*) Calculate duct resistance from outdoor unit air flow.

Table2: Maximum External Static Pressure for Combinated Use of Base Units

Standard model					High efficiency model						
System	Combination				Maximum external static pressure Pa	System	Combination				Maximum external static pressure Pa
	HP	HP	HP	HP			HP	HP	HP	HP	
8	8			60	20	10	10		60		
10	10			60	36	12	12	12	50		
12	12			50	38	14	12	12	50		
14	14			50	40	14	14	12	50		
16	16			40							
18	18			50							
20	20			40							
22	12	10		50							
24	12	12		50							
26	14	12		50							
28	16	12		40							
30	16	14		40							
32	16	16		40							
34	18	16		40							
36	20	16		40							
38	20	18		40							
40	20	20		40							
42	16	14	12	40							
44	16	16	12	40							
46	16	16	14	40							
48	16	16	16	40							
50	18	16	16	40							
52	20	16	16	40							
54	20	20	14	40							
56	20	20	16	40							

5-8-2. Priority Operation Mode Setting

Purpose/characteristics

This function allows switching between priority cooling and priority heating.

Four patterns of priority operation mode setting are available as shown in the table below. Select a suitable priority mode according to the needs of the customer.

Setup

CAUTION

In the case of the priority indoor unit mode, it is necessary to set up the specific indoor unit chosen for priority operation (a single unit only).

(1) Outdoor unit setup method (header unit)

SW11		Operation
Bit 1	Bit 2	
OFF	OFF	Priority heating (factory default)
ON	OFF	Priority cooling
OFF	ON	Priority operation based on No. of units in operation (priority given to the operation mode with the largest share of units in operation)
ON	ON	Priority indoor unit (priority given to the operation mode of the specific indoor unit set up for priority operation)

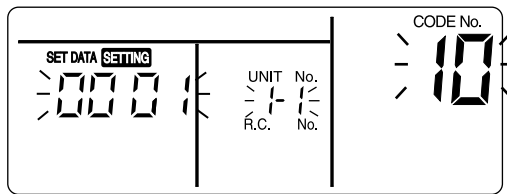
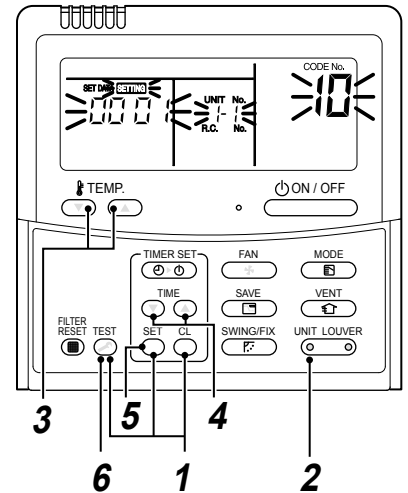
(2) Indoor unit setup method for priority indoor unit mode

The setting can be changed only when the system is at rest. (Be sure to turn off the system prior to this operation.)

- 1 Push the **TEST** + **SET** + **CL** buttons simultaneously and hold for at least 4 seconds. The display window will start flashing in a little while.

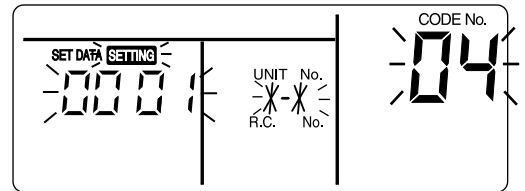
Verify that the displayed CODE No. is 10.

- If the displayed CODE No. is not 10, press the **TEST** button to erase the display and repeat the procedure from the beginning.
(Note that the system does not respond to remote controller operation for about 1 minute after the **TEST** button is pushed.)
(In the case of group control, the indoor unit No. displayed first indicates the header unit.)



- 2 Each time the **UNIT LOUVER** button is pushed, one of the indoor unit Nos. under group control is displayed in turn. Select the indoor unit whose setting is to be changed.

The fan and flap of the selected indoor unit then come on, so that the position of this unit can be confirmed.



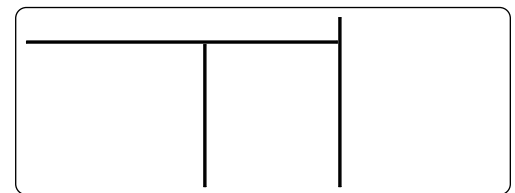
- 3 Use the **TEMP.** button to select the **CODE No. 04**.
- 4 Use the **TIME** button to select the **SET DATA 0001**.
Priority set 0001 No priority set 0000
- 5 Push the **SET** button.

The setup is finished when the display changes from flashing to steady.

- 6 Upon finishing the setup, push the **TEST** button. (This finalizes the setting.)

When the **TEST** button is pushed, the display goes blank, and the system returns to normal off state.

(Note that the system does not respond to remote controller operation for about 1 minute after the **TEST** button is pushed.)





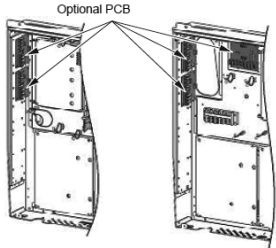
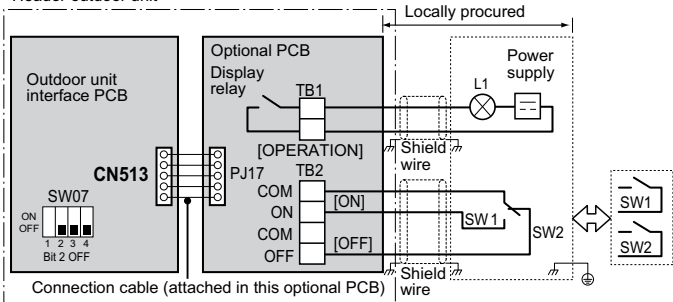
NOTE



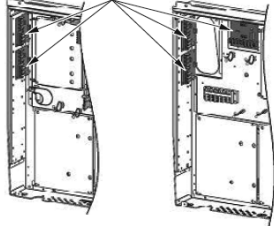
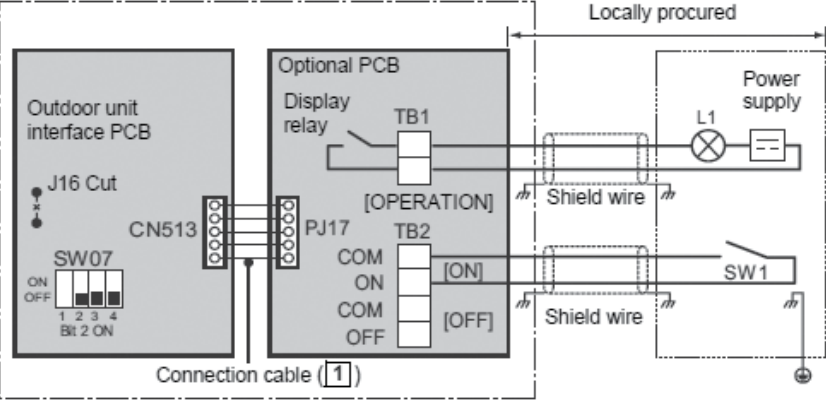
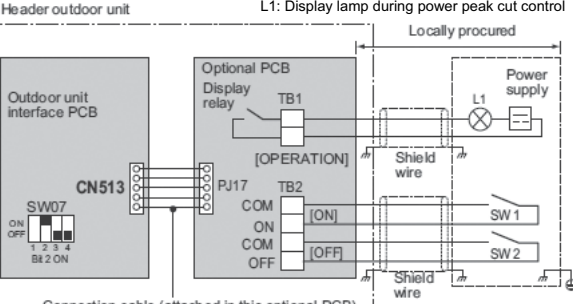
Priority can be given to only one indoor unit. If more than one indoor unit is accidentally set to priority, an error code (L5 or L6: Duplicated indoor unit priority setting) will be displayed.

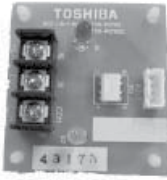

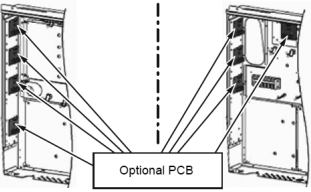
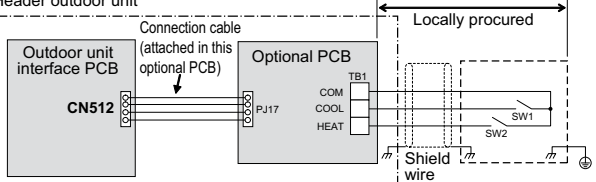
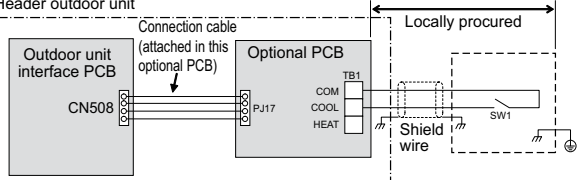
All units displaying L5 have been set to 0001 (priority). Keep the unit to which priority should be given as it is, and change the value back to 0000 (no priority) for all the rest.

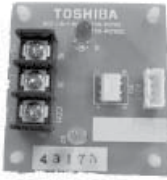

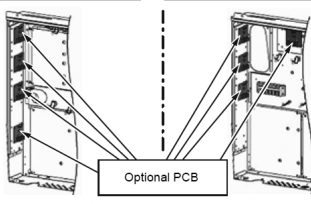
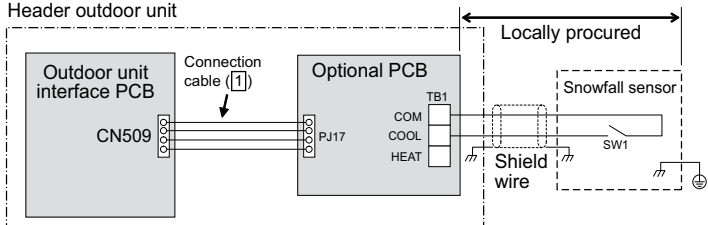
Error code	Description
L5	Duplicated indoor unit priority setting (The unit is set to 0001.)
L6	Duplicated indoor unit priority setting (The unit is set to 0000.)

5-9. Optional printed circuit board (PCB) of outdoor unit



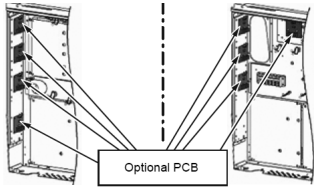
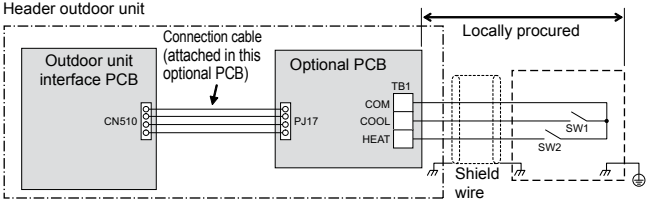
Model name	Appearance	Function																		
TCB-PCDM4E	 <p>Size: 71 x 85 (mm)</p>	<p>[1] Power peak-cut Control</p> <ul style="list-style-type: none"> • Purpose: Limiting air conditioning performance with external signals and decreasing the peak power consumption. • Feature The upper limit capacity of the outdoor unit is restricted based on the outdoor power peak selected setting. <p>Standard Specifications (Wiring example)</p>																		
	<p>Application</p>  <p>MMY-MAP080 to 120 MMY-MAP140 to 200</p>  <p>(max. number installed: 1 pc)</p> <p>* Install the optional PCB in the outdoor header unit.</p>	<p>Header outdoor unit L1: Display lamp during power peak cut control</p>  <p>Locally procured</p> <p>For SW1 and SW2, be sure to provide no-voltage contacts for each terminal. The input signals of SW1 and SW2 may be pulse input (100 msec or more) or continuous make. Do not turn on [SW1] and [SW2] simultaneously.</p> <p><SW07 (bit 2) OFF [2-stage switching]></p> <table border="1" data-bbox="544 1160 1469 1368"> <thead> <tr> <th colspan="2">Input</th> <th colspan="2">SW07 (bit 1)</th> <th rowspan="2">Display relay (L1)</th> </tr> <tr> <th>SW1</th> <th>SW2</th> <th>Bit 1 OFF</th> <th>Bit 1 ON</th> </tr> </thead> <tbody> <tr> <td>OFF</td> <td>ON</td> <td>100 % (normal operation)</td> <td>100 % (normal operation)</td> <td>OFF</td> </tr> <tr> <td>ON</td> <td>OFF</td> <td>0 % (forced stop)</td> <td>Approx. 60 % (upper limit regulated)</td> <td>ON</td> </tr> </tbody> </table>	Input		SW07 (bit 1)		Display relay (L1)	SW1	SW2	Bit 1 OFF	Bit 1 ON	OFF	ON	100 % (normal operation)	100 % (normal operation)	OFF	ON	OFF	0 % (forced stop)	Approx. 60 % (upper limit regulated)
Input		SW07 (bit 1)		Display relay (L1)																
SW1	SW2	Bit 1 OFF	Bit 1 ON																	
OFF	ON	100 % (normal operation)	100 % (normal operation)	OFF																
ON	OFF	0 % (forced stop)	Approx. 60 % (upper limit regulated)	ON																

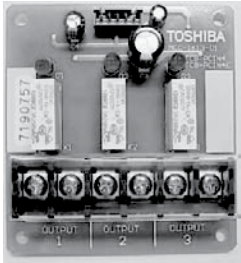
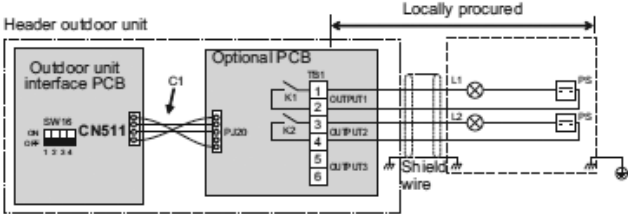

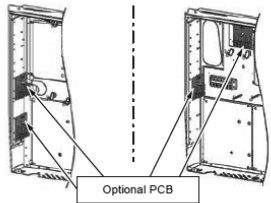
Model name	Appearance	Function																																												
TCB-PCMO4E	 <p>Size: 55.5 x 60 (mm)</p>	<p>For one input function</p> <p>Power peak-cut ON-OFF control is made possible on the SMMS-i on only the [ON] terminal input (SW1) by cutting the jumper lead (J16) of the center outdoor unit interface PCB. (Wiring example)</p>																																												
	<p>Application</p>  <p>MMY-MAP080 to 120 MMY-MAP140 to 200</p> <p>Optional PCB</p>  <p>(max. number installed: 1 pc)</p> <p>* Install the optional PCB in the outdoor header unit.</p>	<p>Header outdoor unit L1: Display lamp during power peak cut control</p>  <p><SW07 (bit 2) OFF [2-stage switching]></p> <p>Power peak-cut control turns ON when SW1 in the wiring example is ON (continuous make).</p> <table border="1" data-bbox="550 1075 1460 1243"> <thead> <tr> <th rowspan="2">Jumper lead J16</th> <th rowspan="2">Input SW1</th> <th colspan="2">SW07 (bit 1)</th> <th rowspan="2">Display relay (L1)</th> </tr> <tr> <th>Bit 1 OFF</th> <th>Bit 1 ON</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Cut</td> <td>OFF</td> <td>100% (normal operation)</td> <td>100% (normal operation)</td> <td>OFF</td> </tr> <tr> <td>ON</td> <td>0% (forced stop)</td> <td>Approx. 60% (upper limit regulated)</td> <td>ON</td> </tr> </tbody> </table> <p>Enhanced Specifications (Wiring example)</p>  <p><SW07 (bit 2) ON [4-stage switching]></p> <table border="1" data-bbox="550 1758 1372 2049"> <thead> <tr> <th colspan="2">Input</th> <th colspan="2">SW07 (bit 1)</th> <th rowspan="2">Display relay (L1)</th> </tr> <tr> <th>SW1</th> <th>SW2</th> <th>Bit 1 OFF</th> <th>Bit 1 ON</th> </tr> </thead> <tbody> <tr> <td>OFF</td> <td>OFF</td> <td>100% (normal operation)</td> <td>100% (normal operation)</td> <td>OFF</td> </tr> <tr> <td>ON</td> <td>OFF</td> <td>Approx. 80% (upper limit regulated)</td> <td>Approx. 85% (upper limit regulated)</td> <td>ON</td> </tr> <tr> <td>OFF</td> <td>ON</td> <td>Approx. 60% (upper limit regulated)</td> <td>Approx. 75% (upper limit regulated)</td> <td>ON</td> </tr> <tr> <td>ON</td> <td>ON</td> <td>0% (forced stop)</td> <td>Approx. 60% (upper limit regulated)</td> <td>ON</td> </tr> </tbody> </table> <p>For SW1 and SW2, be sure to provide no-voltage contacts for each terminal.</p>	Jumper lead J16	Input SW1	SW07 (bit 1)		Display relay (L1)	Bit 1 OFF	Bit 1 ON	Cut	OFF	100% (normal operation)	100% (normal operation)	OFF	ON	0% (forced stop)	Approx. 60% (upper limit regulated)	ON	Input		SW07 (bit 1)		Display relay (L1)	SW1	SW2	Bit 1 OFF	Bit 1 ON	OFF	OFF	100% (normal operation)	100% (normal operation)	OFF	ON	OFF	Approx. 80% (upper limit regulated)	Approx. 85% (upper limit regulated)	ON	OFF	ON	Approx. 60% (upper limit regulated)	Approx. 75% (upper limit regulated)	ON	ON	ON	0% (forced stop)	Approx. 60% (upper limit regulated)
Jumper lead J16	Input SW1	SW07 (bit 1)			Display relay (L1)																																									
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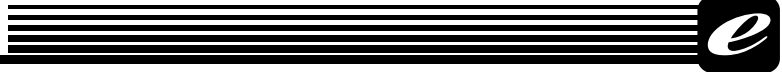
Model name	Appearance	Function																
TCB-PCMO4E	 <p>Size: 55.5 x 60 (mm)</p>	<p>[2] External master ON/OFF control</p> <ul style="list-style-type: none"> • Feature The outdoor unit starts or stop the system. • Function By connecting the cable (attached in this optional PCB) to the interface PC board on an outdoor unit, all indoor units connected to the outdoor unit enable to operate simultaneously. • Operation The outdoor unit connection is for the header unit (U1). 																
	<p>Application</p>  <p>MMY-MAP080 to 120 MMY-MAP140 to 200</p>  <p>(max. number installed: 4 pcs)</p> <p>* Install the optional PCB in the outdoor header unit.</p>	 <p>Header outdoor unit</p> <p>SW1: Operation input switch SW2: Stop input switch</p> <table border="1" data-bbox="547 891 1465 1059"> <thead> <tr> <th>Terminal</th> <th>Input signal</th> <th>Operation</th> </tr> </thead> <tbody> <tr> <td>COOL (SW1)</td> <td>ON OFF</td> <td>All indoor units operate together</td> </tr> <tr> <td>HEAT (SW2)</td> <td>ON OFF</td> <td>All indoor units stop together</td> </tr> </tbody> </table> <p>Provide no-voltage pulse contacts for each terminal. Hold the ON state for at least 100 msec. Do not turn SW1 and SW2 ON simultaneously</p> <p>[3] Night time operation (sound reduction) control</p> <ul style="list-style-type: none"> • Purpose: Reducing noise from an outdoor unit • Feature Sound level can be reduced by restricting the compressor and fan speed • Function As the cable (attached in this optional PCB) is connected to the "Interface PCB" on an outdoor unit, both compressor speed and fan speed are restricted while the signal of the night operation control is input. It makes the noise reduction during the night time operation. • Operation The outdoor unit connection is for the header unit (U1).  <p>Header outdoor unit</p> <p>SW1: Night time signal switch</p> <table border="1" data-bbox="547 1798 1465 1966"> <thead> <tr> <th>Terminal</th> <th>Input signal</th> <th>Operation</th> </tr> </thead> <tbody> <tr> <td rowspan="2">COOL (SW1)</td> <td>ON OFF</td> <td>All indoor units operate together</td> </tr> <tr> <td>ON OFF</td> <td>All indoor units stop together</td> </tr> </tbody> </table> <p>Each terminal should be connected to dry contact. The input signal is recognized during its rising/falling phase. (After reaching the top/bottom of the rising/falling edge, the signal must remain there for at least 100 ms.)</p>	Terminal	Input signal	Operation	COOL (SW1)	ON OFF	All indoor units operate together	HEAT (SW2)	ON OFF	All indoor units stop together	Terminal	Input signal	Operation	COOL (SW1)	ON OFF	All indoor units operate together	ON OFF
Terminal	Input signal	Operation																
COOL (SW1)	ON OFF	All indoor units operate together																
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Model name	Appearance	Function																																		
TCB-PCMO4E	 <p>Size: 55.5 x 60 (mm)</p>	<p>Sound reduction and approximation capacity (reference)</p> <table border="1"> <thead> <tr> <th rowspan="2"></th> <th rowspan="2">Night operation sound reduction dB (A)</th> <th colspan="2">Capacity</th> </tr> <tr> <th>COOL</th> <th>HEAT</th> </tr> </thead> <tbody> <tr> <td>2006 type</td> <td>54</td> <td>Approx. 60%</td> <td>Approx. 60%</td> </tr> <tr> <td>1806 type</td> <td>54</td> <td>Approx. 65%</td> <td>Approx. 65%</td> </tr> <tr> <td>1606 type</td> <td>53</td> <td>Approx. 70%</td> <td>Approx. 70%</td> </tr> <tr> <td>1406 type</td> <td>53</td> <td>Approx. 80%</td> <td>Approx. 80%</td> </tr> <tr> <td>1206 type</td> <td>50</td> <td>Approx. 60%</td> <td>Approx. 55%</td> </tr> <tr> <td>1006 type</td> <td>50</td> <td>Approx. 70%</td> <td>Approx. 65%</td> </tr> <tr> <td>0806 type</td> <td>50</td> <td>Approx. 85%</td> <td>Approx. 80%</td> </tr> </tbody> </table>		Night operation sound reduction dB (A)	Capacity		COOL	HEAT	2006 type	54	Approx. 60%	Approx. 60%	1806 type	54	Approx. 65%	Approx. 65%	1606 type	53	Approx. 70%	Approx. 70%	1406 type	53	Approx. 80%	Approx. 80%	1206 type	50	Approx. 60%	Approx. 55%	1006 type	50	Approx. 70%	Approx. 65%	0806 type	50	Approx. 85%	Approx. 80%
		Night operation sound reduction dB (A)			Capacity																															
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	2006 type	54	Approx. 60%	Approx. 60%																																
1806 type	54	Approx. 65%	Approx. 65%																																	
1606 type	53	Approx. 70%	Approx. 70%																																	
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1206 type	50	Approx. 60%	Approx. 55%																																	
1006 type	50	Approx. 70%	Approx. 65%																																	
0806 type	50	Approx. 85%	Approx. 80%																																	
<p>Application</p>  <p>MMY-MAP080 to 120 MMY-MAP140 to 200</p>  <p>(max. number installed: 4 pcs)</p> <p>* Install the optional PCB in the outdoor header unit.</p>	<p>Condition Cooling: (Indoor 27 deg DB, 19 deg WB) (Outdoor temperature 25 deg DB) Heating: (Indoor 20 deg DB) (Outdoor temperature 7 deg DB, 6 deg WB)</p> <p>[4] Snowfall fan control</p> <ul style="list-style-type: none"> • Purpose: Rotating the fan to prevent snow accumulation • Feature <p>Outdoor fan is operated from the snowfall signal received from the outside.</p> <p>▼ Functions The outdoor unit fan operates at snowfall by connecting to the outdoor unit interface PCB.</p> <p>▼ Operation</p>  <p>SW1: Snowfall selection switch (snowfall sensor)</p> <table border="1"> <thead> <tr> <th>Terminal</th> <th>Input signal</th> <th>Operation</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Cooling (SW1)</td> <td>ON OFF</td> <td>Snowfall fan control (Fan in outdoor unit operates.)</td> </tr> <tr> <td>ON OFF</td> <td>Normal operation</td> </tr> </tbody> </table> <p>Be sure to provide no-voltage continuous contacts for each terminal.</p>	Terminal	Input signal	Operation	Cooling (SW1)	ON OFF	Snowfall fan control (Fan in outdoor unit operates.)	ON OFF	Normal operation																											
Terminal	Input signal	Operation																																		
Cooling (SW1)	ON OFF	Snowfall fan control (Fan in outdoor unit operates.)																																		
	ON OFF	Normal operation																																		



Model name	Appearance	Function																																																							
TCB-PCIN4E	 <p>Size: 55.5 x 60 (mm)</p>	<p>[5] Operation mode selection control</p> <ul style="list-style-type: none"> • Purpose: Limiting operation modes to cooling and heating only • Feature This control can restrict the selectable operation mode. <p>▼ Functions The heating/cooling mode of the system can be selected by connecting to the interface PCB of outdoor units.</p> <p>▼ Operation The outdoor unit connection is for the header unit (U1).</p>																																																							
	<p>Application</p>  <p>MMY-MAP080 to 120 MMY-MAP140 to 200</p>  <p>(max. number installed: 4 pcs)</p> <p>* Install the optional PCB in the outdoor header unit.</p>	 <p>SW1: Cooling mode specified input switch SW2: Heating mode specified input switch</p> <table border="1" data-bbox="558 878 1193 996"> <thead> <tr> <th colspan="2">Input Signal</th> <th rowspan="2">Operation: Selected operation mode</th> </tr> <tr> <th>Cooling (SW1)</th> <th>Heating (SW2)</th> </tr> </thead> <tbody> <tr> <td>ON</td> <td>OFF</td> <td>Cooling operation only</td> </tr> <tr> <td>OFF</td> <td>ON</td> <td>Heating operation only</td> </tr> <tr> <td>OFF</td> <td>OFF</td> <td>Normal operation</td> </tr> </tbody> </table> <p>Each terminal should be connected to dry contact.</p> <p>About Switching of Processing of Indoor Unit Operation State</p> <p>Processing of the operation state can be switched for indoor units in a mode other than the selected operation mode by setting the jumper lead (J01) of the header outdoor unit interface PCB.</p> <table border="1" data-bbox="558 1243 1279 1774"> <thead> <tr> <th>Jumper lead</th> <th colspan="3">Details of Processing</th> </tr> </thead> <tbody> <tr> <td rowspan="4">J01 connected (factory default)</td> <td colspan="3">Unallowed indoor units in a mode other than the selected operation mode are not treated as priority (thermo OFF state). (Unallowed indoor units)</td> </tr> <tr> <td>Operation Mode</td> <td>Operation State</td> <td rowspan="3">Remote control indicator is displayed.</td> </tr> <tr> <td>Cooling unit</td> <td>Air blow operation at blow rate set on remote control</td> </tr> <tr> <td>Heating unit</td> <td>Air blow operation at super-slow blow rate</td> </tr> <tr> <td>Air blow unit</td> <td>Regular air blow operation at blow rate set on remote control</td> <td></td> </tr> <tr> <td rowspan="4">J01 cut</td> <td colspan="3">Indoor units in a mode other than the selected operation mode are forcibly switched to the selected operation mode.</td> </tr> <tr> <td>PC board selection mode</td> <td colspan="2">Remote control operation/display</td> </tr> <tr> <td>Normal</td> <td>* , ◊ , * , or * can be selected</td> <td rowspan="3">When using the remote control, (mode select control) indicator is displayed.</td> </tr> <tr> <td>Cool</td> <td>Only * , ◊ , or * can be selected</td> </tr> <tr> <td>Heat</td> <td>Only * or * can be selected</td> </tr> </tbody> </table> <p>The jumper lead is not switched. Indoor units in a mode other than the selected operation mode are forcibly switched to the selected operation mode.</p> <table border="1" data-bbox="558 1953 1264 2101"> <thead> <tr> <th>PC board selection mode</th> <th colspan="2">Remote control operation/display</th> </tr> </thead> <tbody> <tr> <td>Normal</td> <td>* , ◊ , * , or * can be selected</td> <td rowspan="3">When using the remote control, (mode select control) indicator is displayed.</td> </tr> <tr> <td>Cool</td> <td>Only * , ◊ , or * can be selected</td> </tr> <tr> <td>Heat</td> <td>Only * or * can be selected</td> </tr> </tbody> </table>	Input Signal		Operation: Selected operation mode	Cooling (SW1)	Heating (SW2)	ON	OFF	Cooling operation only	OFF	ON	Heating operation only	OFF	OFF	Normal operation	Jumper lead	Details of Processing			J01 connected (factory default)	Unallowed indoor units in a mode other than the selected operation mode are not treated as priority (thermo OFF state). (Unallowed indoor units)			Operation Mode	Operation State	Remote control indicator is displayed.	Cooling unit	Air blow operation at blow rate set on remote control	Heating unit	Air blow operation at super-slow blow rate	Air blow unit	Regular air blow operation at blow rate set on remote control		J01 cut	Indoor units in a mode other than the selected operation mode are forcibly switched to the selected operation mode.			PC board selection mode	Remote control operation/display		Normal	* , ◊ , * , or * can be selected	When using the remote control, (mode select control) indicator is displayed.	Cool	Only * , ◊ , or * can be selected	Heat	Only * or * can be selected	PC board selection mode	Remote control operation/display		Normal	* , ◊ , * , or * can be selected	When using the remote control, (mode select control) indicator is displayed.	Cool	Only * , ◊ , or * can be selected	Heat
Input Signal		Operation: Selected operation mode																																																							
Cooling (SW1)	Heating (SW2)																																																								
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Model name	Appearance	Function																			
TCB-PCIN4E	 <p>Size: 73 x 79 (mm)</p>	<p>[6] Error / Operation Output</p> <ul style="list-style-type: none"> • Feature Operation and error monitoring is possible. ▼ Function The operation error output PCB can indicate operation and error states by connecting to the interface PCB of outdoor units. ▼ Operation Operation output: The operation indicator is on while any indoor unit in the system is operating. Error output: The error indicator is on when an error is occurred on even one of the indoor or outdoor units in the system. <p>Wiring example</p> 																			
	<p>Application</p>  <p>MMY-MAP080 to 120 MMY-MAP140 to 200</p>  <p>Optional PCB (max. number installed: 2 pcs)</p> <p>* Install the optional PCB in the outdoor header unit.</p>	<table border="1"> <tr> <td>C1</td> <td>Attached connection cable 1 (4wires)</td> </tr> <tr> <td>CN511</td> <td>Connector on interface side (green)</td> </tr> <tr> <td>K1, K2</td> <td>Relays</td> </tr> <tr> <td>L1</td> <td>Error indication Lamp</td> </tr> <tr> <td>L2</td> <td>Operation indication Lamp</td> </tr> <tr> <td>OUTPUT1</td> <td>Error output</td> </tr> <tr> <td>OUTPUT2</td> <td>Operation output</td> </tr> <tr> <td>PJ20</td> <td>Connector on optional PCB side</td> </tr> <tr> <td>PS</td> <td>Power supply unit</td> </tr> <tr> <td>TB1</td> <td>Terminal block</td> </tr> </table> <p>* [OUTPUT3] is normally output when power is turned out.</p>	C1	Attached connection cable 1 (4wires)	CN511	Connector on interface side (green)	K1, K2	Relays	L1	Error indication Lamp	L2	Operation indication Lamp	OUTPUT1	Error output	OUTPUT2	Operation output	PJ20	Connector on optional PCB side	PS	Power supply unit	TB1
C1	Attached connection cable 1 (4wires)																				
CN511	Connector on interface side (green)																				
K1, K2	Relays																				
L1	Error indication Lamp																				
L2	Operation indication Lamp																				
OUTPUT1	Error output																				
OUTPUT2	Operation output																				
PJ20	Connector on optional PCB side																				
PS	Power supply unit																				
TB1	Terminal block																				



5.10 Part load performance

Standard model

MMY-MAP0806HT5P (8HP, 22.4kW system)

Cooling			Compressor + Outdoor Fan Power consumption (kW)															
Outdoor Unit Dry-Bulb (°C)	Outdoor Unit 100% Cooling Capacity (kW)	100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity		
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	
		(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	20.8	20.8	5.61	18.8	4.65	16.7	3.81	14.6	3.06	12.5	2.43	10.4	1.89	8.34	1.47	6.25	1.14	
39 °C	21.2	21.2	5.52	19.1	4.58	16.9	3.75	14.8	3.02	12.7	2.39	10.6	1.87	8.47	1.44	6.35	1.13	
37 °C	21.8	21.8	5.36	19.6	4.45	17.4	3.64	15.3	2.93	13.1	2.32	10.9	1.81	8.72	1.40	6.54	1.09	
35 °C	22.4	22.4	5.19	20.2	4.31	17.9	3.52	15.7	2.84	13.4	2.25	11.2	1.75	8.96	1.36	6.72	1.06	
33 °C	22.4	22.4	4.81	20.2	4.00	17.9	3.27	15.7	2.64	13.4	2.10	11.2	1.64	8.96	1.28	6.72	1.01	
31 °C	22.4	22.4	4.47	20.2	3.72	17.9	3.05	15.7	2.47	13.4	1.97	11.2	1.55	8.96	1.21	6.72	0.96	
30 °C	22.4	22.4	4.31	20.2	3.59	17.9	2.95	15.7	2.39	13.4	1.90	11.2	1.50	8.96	1.18	6.72	0.93	
29 °C	22.4	22.4	4.17	20.2	3.47	17.9	2.85	15.7	2.31	13.4	1.84	11.2	1.46	8.96	1.15	6.72	0.91	
27 °C	22.4	22.4	3.89	20.2	3.24	17.9	2.67	15.7	2.17	13.4	1.73	11.2	1.37	8.96	1.08	6.72	0.87	
25 °C	22.4	22.4	3.64	20.2	3.04	17.9	2.50	15.7	2.03	13.4	1.63	11.2	1.29	8.96	1.03	6.72	0.82	
23 °C	22.4	22.4	3.48	20.2	2.91	17.9	2.40	15.7	1.95	13.4	1.57	11.2	1.25	8.96	0.99	6.72	0.80	
21 °C	22.4	22.4	3.41	20.2	2.85	17.9	2.35	15.7	1.92	13.4	1.54	11.2	1.23	8.96	0.98	6.72	0.79	
20 °C	22.4	22.4	3.38	20.2	2.82	17.9	2.33	15.7	1.90	13.4	1.53	11.2	1.22	8.96	0.98	6.72	0.79	
19 °C	22.4	22.4	3.35	20.2	2.80	17.9	2.31	15.7	1.89	13.4	1.52	11.2	1.22	8.96	0.97	6.72	0.79	
17 °C	22.4	22.4	3.29	20.2	2.76	17.9	2.28	15.7	1.86	13.4	1.50	11.2	1.20	8.96	0.97	6.72	0.79	
15 °C	22.4	22.4	3.25	20.2	2.72	17.9	2.25	15.7	1.84	13.4	1.49	11.2	1.19	8.96	0.96	6.72	0.78	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

Heating			Compressor + Outdoor Fan Power consumption (kW)															
Outdoor Unit Dry-Bulb (°C)	Outdoor Unit Wet-Bulb (°C)	Outdoor Unit 100% Heating Capacity (kW)	100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
15.0	13.7	25.0	25.0	4.51	22.5	3.81	20.0	3.17	17.5	2.62	15.0	2.14	12.5	1.73	10.0	1.40	7.50	1.15
13.0	11.8	25.0	25.0	4.70	22.5	3.96	20.0	3.29	17.5	2.71	15.0	2.20	12.5	1.78	10.0	1.43	7.50	1.16
11.0	9.8	25.0	25.0	4.92	22.5	4.13	20.0	3.43	17.5	2.81	15.0	2.28	12.5	1.83	10.0	1.46	7.50	1.18
9.0	7.9	25.0	25.0	5.14	22.5	4.31	20.0	3.57	17.5	2.92	15.0	2.36	12.5	1.88	10.0	1.49	7.50	1.20
7.0	6.0	25.0	25.0	5.38	22.5	4.51	20.0	3.72	17.5	3.04	15.0	2.44	12.5	1.94	10.0	1.53	7.50	1.21
5.0	4.1	24.3	24.3	5.36	21.8	4.49	19.4	3.71	17.0	3.03	14.6	2.43	12.1	1.93	9.71	1.53	7.28	1.21
3.0	2.2	23.5	23.5	5.35	21.2	4.48	18.8	3.70	16.5	3.02	14.1	2.43	11.8	1.93	9.42	1.52	7.06	1.21
0.0	-0.7	22.4	22.4	5.32	20.2	4.46	17.9	3.68	15.7	3.00	13.5	2.42	11.2	1.92	8.97	1.51	6.73	1.20
-3.0	-3.7	21.3	21.3	5.30	19.1	4.44	17.0	3.67	14.9	2.99	12.8	2.40	10.6	1.91	8.51	1.51	6.38	1.20
-5.0	-5.6	20.5	20.5	5.28	18.5	4.42	16.4	3.66	14.4	2.98	12.3	2.40	10.3	1.90	8.22	1.50	6.16	1.19
-7.0	-7.6	19.8	19.8	5.26	17.8	4.41	15.8	3.64	13.8	2.97	11.9	2.39	9.88	1.90	7.91	1.50	5.93	1.19
-10	-10.5	18.7	18.7	5.24	16.8	4.39	14.9	3.63	13.1	2.96	11.2	2.38	9.33	1.89	7.46	1.49	5.60	1.18
-14.5	-15.0	16.9	16.9	5.20	15.2	4.35	13.5	3.60	11.8	2.93	10.2	2.36	8.46	1.87	6.77	1.48	5.08	1.17

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 20.0°C dry-bulb



MMY-MAP1006HT5P (10HP, 28kW system)

Cooling

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit 100% Cooling Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
			100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	26.1	26.1	7.84	23.5	6.44	20.8	5.19	18.2	4.11	15.6	3.19	13.0	2.43	10.4	1.84	7.82	1.40	
39 °C	26.5	26.5	7.73	23.8	6.34	21.2	5.12	18.5	4.05	15.9	3.14	13.2	2.40	10.6	1.81	7.94	1.38	
37 °C	27.3	27.3	7.49	24.5	6.15	21.8	4.96	19.1	3.93	16.4	3.05	13.6	2.32	10.9	1.75	8.18	1.34	
35 °C	28.0	28.0	7.26	25.2	5.96	22.4	4.81	19.6	3.80	16.8	2.95	14.0	2.25	11.2	1.70	8.40	1.30	
33 °C	28.0	28.0	6.71	25.2	5.51	22.4	4.45	19.6	3.53	16.8	2.75	14.0	2.11	11.2	1.60	8.40	1.23	
31 °C	28.0	28.0	6.22	25.2	5.12	22.4	4.14	19.6	3.29	16.8	2.57	14.0	1.98	11.2	1.51	8.40	1.17	
30 °C	28.0	28.0	6.00	25.2	4.94	22.4	4.00	19.6	3.18	16.8	2.49	14.0	1.92	11.2	1.47	8.40	1.14	
29 °C	28.0	28.0	5.79	25.2	4.76	22.4	3.86	19.6	3.07	16.8	2.41	14.0	1.86	11.2	1.43	8.40	1.11	
27 °C	28.0	28.0	5.39	25.2	4.44	22.4	3.60	19.6	2.88	16.8	2.26	14.0	1.75	11.2	1.35	8.40	1.06	
25 °C	28.0	28.0	5.03	25.2	4.15	22.4	3.37	19.6	2.69	16.8	2.12	14.0	1.64	11.2	1.28	8.40	1.01	
23 °C	28.0	28.0	4.81	25.2	3.97	22.4	3.22	19.6	2.58	16.8	2.03	14.0	1.58	11.2	1.23	8.40	0.98	
21 °C	28.0	28.0	4.70	25.2	3.88	22.4	3.16	19.6	2.53	16.8	2.00	14.0	1.56	11.2	1.22	8.40	0.97	
20 °C	28.0	28.0	4.66	25.2	3.85	22.4	3.13	19.6	2.51	16.8	1.98	14.0	1.55	11.2	1.21	8.40	0.97	
19 °C	28.0	28.0	4.61	25.2	3.81	22.4	3.10	19.6	2.49	16.8	1.97	14.0	1.54	11.2	1.21	8.40	0.96	
17 °C	28.0	28.0	4.54	25.2	3.75	22.4	3.06	19.6	2.45	16.8	1.94	14.0	1.52	11.2	1.19	8.40	0.96	
15 °C	28.0	28.0	4.47	25.2	3.70	22.4	3.01	19.6	2.42	16.8	1.92	14.0	1.51	11.2	1.19	8.40	0.96	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

Heating

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit Wet-Bulb (°C)	Outdoor Unit 100% Heating Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
				100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
				TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
				(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
15.0	13.7	31.5	31.5	6.00	28.4	5.10	25.2	4.28	22.1	3.55	18.9	2.91	15.8	2.34	12.6	1.86	9.45	1.46	
13.0	11.8	31.5	31.5	6.23	28.4	5.29	25.2	4.44	22.1	3.67	18.9	3.00	15.8	2.41	12.6	1.90	9.45	1.49	
11.0	9.8	31.5	31.5	6.50	28.4	5.51	25.2	4.62	22.1	3.81	18.9	3.10	15.8	2.48	12.6	1.95	9.45	1.51	
9.0	7.9	31.5	31.5	6.78	28.4	5.74	25.2	4.80	22.1	3.95	18.9	3.20	15.8	2.55	12.6	2.00	9.45	1.54	
7.0	6.0	31.5	31.5	7.08	28.4	5.98	25.2	4.99	22.1	4.10	18.9	3.32	15.8	2.63	12.6	2.05	9.45	1.57	
5.0	4.1	30.5	30.5	7.04	27.4	5.95	24.4	4.96	21.3	4.08	18.3	3.30	15.2	2.62	12.2	2.04	9.15	1.57	
3.0	2.2	29.5	29.5	7.00	26.5	5.92	23.6	4.94	20.6	4.06	17.7	3.28	14.7	2.60	11.8	2.03	8.84	1.56	
0.0	-0.7	27.9	27.9	6.94	25.1	5.86	22.3	4.89	19.5	4.02	16.8	3.25	14.0	2.58	11.2	2.01	8.38	1.54	
-3.0	-3.7	26.3	26.3	6.87	23.7	5.81	21.1	4.85	18.4	3.98	15.8	3.22	13.2	2.56	10.5	1.99	7.90	1.53	
-5.0	-5.6	25.3	25.3	6.83	22.8	5.78	20.3	4.82	17.7	3.96	15.2	3.20	12.7	2.54	10.1	1.98	7.59	1.52	
-7.0	-7.6	24.2	24.2	6.79	21.8	5.74	19.4	4.79	17.0	3.94	14.5	3.18	12.1	2.53	9.70	1.97	7.27	1.51	
-10	-10.5	22.7	22.7	6.73	20.4	5.69	18.2	4.74	15.9	3.90	13.6	3.15	11.4	2.50	9.08	1.95	6.81	1.50	
-14.5	-15.0	20.3	20.3	6.63	18.3	5.61	16.2	4.68	14.2	3.84	12.2	3.11	10.2	2.47	8.12	1.92	6.09	1.48	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 20.0°C dry-bulb



MMY-MAP1206HT5P (12HP, 33.5kW system)

Cooling

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit 100% Cooling Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
			100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
			TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)
40 °C		31.2	31.2	10.2	28.1	8.39	24.9	6.80	21.8	5.39	18.7	4.15	15.6	3.09	12.5	2.21	9.35	1.51
39 °C		31.7	31.7	10.0	28.5	8.27	25.3	6.70	22.2	5.31	19.0	4.09	15.8	3.04	12.7	2.18	9.50	1.48
37 °C		32.6	32.6	9.71	29.4	8.02	26.1	6.50	22.8	5.14	19.6	3.96	16.3	2.95	13.0	2.11	9.79	1.44
35 °C		33.5	33.5	9.41	30.2	7.77	26.8	6.29	23.5	4.98	20.1	3.84	16.8	2.86	13.4	2.04	10.1	1.39
33 °C		33.5	33.5	8.71	30.2	7.20	26.8	5.84	23.5	4.63	20.1	3.57	16.8	2.66	13.4	1.91	10.1	1.31
31 °C		33.5	33.5	8.09	30.2	6.69	26.8	5.43	23.5	4.31	20.1	3.33	16.8	2.49	13.4	1.79	10.1	1.23
30 °C		33.5	33.5	7.81	30.2	6.45	26.8	5.24	23.5	4.16	20.1	3.22	16.8	2.41	13.4	1.73	10.1	1.20
29 °C		33.5	33.5	7.53	30.2	6.23	26.8	5.06	23.5	4.02	20.1	3.11	16.8	2.33	13.4	1.68	10.1	1.16
27 °C		33.5	33.5	7.03	30.2	5.82	26.8	4.72	23.5	3.76	20.1	2.91	16.8	2.18	13.4	1.58	10.1	1.09
25 °C		33.5	33.5	6.56	30.2	5.43	26.8	4.42	23.5	3.51	20.1	2.72	16.8	2.05	13.4	1.48	10.1	1.03
23 °C		33.5	33.5	6.27	30.2	5.19	26.8	4.23	23.5	3.36	20.1	2.61	16.8	1.96	13.4	1.43	10.1	1.00
21 °C		33.5	33.5	6.14	30.2	5.09	26.8	4.14	23.5	3.30	20.1	2.56	16.8	1.93	13.4	1.40	10.1	0.98
20 °C		33.5	33.5	6.08	30.2	5.04	26.8	4.10	23.5	3.27	20.1	2.54	16.8	1.91	13.4	1.39	10.1	0.98
19 °C		33.5	33.5	6.02	30.2	4.99	26.8	4.07	23.5	3.24	20.1	2.52	16.8	1.90	13.4	1.38	10.1	0.97
17 °C		33.5	33.5	5.93	30.2	4.91	26.8	4.00	23.5	3.19	20.1	2.48	16.8	1.87	13.4	1.37	10.1	0.97
15 °C		33.5	33.5	5.84	30.2	4.85	26.8	3.95	23.5	3.15	20.1	2.45	16.8	1.85	13.4	1.35	10.1	0.97

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

Heating

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit Wet-Bulb (°C)	Outdoor Unit 100% Heating Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
				100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
				TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)
15.0	13.7	37.5	37.5	7.88	33.8	6.73	30.0	5.67	26.3	4.71	22.5	3.83	18.8	3.05	15.0	2.35	11.3	1.75	
13.0	11.8	37.5	37.5	8.18	33.8	6.98	30.0	5.88	26.3	4.87	22.5	3.96	18.8	3.14	15.0	2.41	11.3	1.79	
11.0	9.8	37.5	37.5	8.51	33.8	7.26	30.0	6.10	26.3	5.05	22.5	4.09	18.8	3.24	15.0	2.49	11.3	1.83	
9.0	7.9	37.5	37.5	8.86	33.8	7.55	30.0	6.34	26.3	5.23	22.5	4.24	18.8	3.35	15.0	2.56	11.3	1.88	
7.0	6.0	37.5	37.5	9.24	33.8	7.86	30.0	6.59	26.3	5.44	22.5	4.39	18.8	3.46	15.0	2.64	11.3	1.93	
5.0	4.1	36.2	36.2	9.17	32.5	7.80	28.9	6.54	25.3	5.39	21.7	4.36	18.1	3.43	14.5	2.62	10.8	1.91	
3.0	2.2	34.8	34.8	9.10	31.3	7.74	27.9	6.49	24.4	5.35	20.9	4.32	17.4	3.41	13.9	2.60	10.4	1.90	
0.0	-0.7	32.8	32.8	8.99	29.5	7.65	26.2	6.41	22.9	5.29	19.7	4.27	16.4	3.37	13.1	2.57	9.83	1.88	
-3.0	-3.7	30.6	30.6	8.88	27.6	7.55	24.5	6.34	21.5	5.22	18.4	4.22	15.3	3.32	12.3	2.54	9.19	1.85	
-5.0	-5.6	29.3	29.3	8.81	26.4	7.49	23.4	6.29	20.5	5.18	17.6	4.19	14.7	3.30	11.7	2.52	8.79	1.84	
-7.0	-7.6	27.9	27.9	8.74	25.1	7.43	22.3	6.23	19.5	5.14	16.7	4.15	13.9	3.27	11.2	2.49	8.37	1.82	
-10	-10.5	25.8	25.8	8.63	23.3	7.34	20.7	6.16	18.1	5.08	15.5	4.10	12.9	3.23	10.3	2.46	7.75	1.80	
-14.5	-15.0	22.7	22.7	8.46	20.4	7.20	18.1	6.04	15.9	4.98	13.6	4.02	11.3	3.17	9.06	2.42	6.80	1.77	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 20.0°C dry-bulb



MMY-MAP1406HT5P (14HP, 40kW system)

Cooling

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit 100% Cooling Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
			100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
			TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)
40 °C		37.2	37.2	12.4	33.5	10.3	29.8	8.32	26.1	6.59	22.3	5.08	18.6	3.79	14.9	2.72	11.2	1.87
39 °C		37.8	37.8	12.2	34.0	10.1	30.3	8.19	26.5	6.49	22.7	5.01	18.9	3.74	15.1	2.68	11.3	1.84
37 °C		39.0	39.0	11.9	35.1	9.80	31.2	7.95	27.3	6.30	23.4	4.86	19.5	3.62	15.6	2.60	11.7	1.79
35 °C		40.0	40.0	11.5	36.0	9.50	32.0	7.70	28.0	6.10	24.0	4.70	20.0	3.51	16.0	2.52	12.0	1.73
33 °C		40.0	40.0	10.6	36.0	8.80	32.0	7.14	28.0	5.66	24.0	4.38	20.0	3.27	16.0	2.36	12.0	1.63
31 °C		40.0	40.0	9.89	36.0	8.18	32.0	6.64	28.0	5.27	24.0	4.08	20.0	3.06	16.0	2.21	12.0	1.53
30 °C		40.0	40.0	9.54	36.0	7.89	32.0	6.41	28.0	5.09	24.0	3.94	20.0	2.96	16.0	2.14	12.0	1.49
29 °C		40.0	40.0	9.21	36.0	7.62	32.0	6.19	28.0	4.92	24.0	3.81	20.0	2.86	16.0	2.07	12.0	1.44
27 °C		40.0	40.0	8.59	36.0	7.11	32.0	5.78	28.0	4.60	24.0	3.57	20.0	2.68	16.0	1.95	12.0	1.36
25 °C		40.0	40.0	8.02	36.0	6.65	32.0	5.41	28.0	4.31	24.0	3.34	20.0	2.52	16.0	1.83	12.0	1.29
23 °C		40.0	40.0	7.67	36.0	6.35	32.0	5.17	28.0	4.12	24.0	3.20	20.0	2.42	16.0	1.76	12.0	1.24
21 °C		40.0	40.0	7.51	36.0	6.22	32.0	5.07	28.0	4.04	24.0	3.14	20.0	2.37	16.0	1.74	12.0	1.23
20 °C		40.0	40.0	7.43	36.0	6.16	32.0	5.02	28.0	4.00	24.0	3.12	20.0	2.36	16.0	1.72	12.0	1.22
19 °C		40.0	40.0	7.37	36.0	6.11	32.0	4.98	28.0	3.97	24.0	3.09	20.0	2.34	16.0	1.71	12.0	1.21
17 °C		40.0	40.0	7.25	36.0	6.01	32.0	4.90	28.0	3.91	24.0	3.05	20.0	2.31	16.0	1.69	12.0	1.20
15 °C		40.0	40.0	7.14	36.0	5.93	32.0	4.83	28.0	3.86	24.0	3.01	20.0	2.28	16.0	1.67	12.0	1.19

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

Heating

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit Wet-Bulb (°C)	Outdoor Unit 100% Heating Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
				100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
				TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)
15.0	13.7	45.0	45.0	8.91	40.5	7.54	36.0	6.31	31.5	5.22	27.0	4.29	22.5	3.49	18.0	2.85	13.5	2.35	
13.0	11.8	45.0	45.0	9.28	40.5	7.83	36.0	6.54	31.5	5.40	27.0	4.41	22.5	3.58	18.0	2.90	13.5	2.38	
11.0	9.8	45.0	45.0	9.70	40.5	8.17	36.0	6.80	31.5	5.60	27.0	4.56	22.5	3.68	18.0	2.96	13.5	2.41	
9.0	7.9	45.0	45.0	10.1	40.5	8.52	36.0	7.08	31.5	5.81	27.0	4.71	22.5	3.78	18.0	3.03	13.5	2.44	
7.0	6.0	45.0	45.0	10.6	40.5	8.90	36.0	7.38	31.5	6.04	27.0	4.88	22.5	3.90	18.0	3.10	13.5	2.48	
5.0	4.1	43.6	43.6	10.5	39.2	8.85	34.8	7.33	30.5	6.00	26.1	4.85	21.8	3.87	17.4	3.08	13.1	2.47	
3.0	2.2	42.1	42.1	10.5	37.9	8.80	33.7	7.29	29.5	5.97	25.3	4.82	21.1	3.85	16.8	3.06	12.6	2.45	
0.0	-0.7	39.9	39.9	10.4	35.9	8.72	31.9	7.23	27.9	5.91	23.9	4.78	19.9	3.82	16.0	3.04	12.0	2.43	
-3.0	-3.7	37.6	37.6	10.3	33.8	8.64	30.1	7.16	26.3	5.86	22.6	4.73	18.8	3.78	15.0	3.01	11.3	2.41	
-5.0	-5.6	36.2	36.2	10.2	32.5	8.59	28.9	7.12	25.3	5.83	21.7	4.71	18.1	3.76	14.5	2.99	10.8	2.39	
-7.0	-7.6	34.6	34.6	10.2	31.2	8.53	27.7	7.08	24.2	5.79	20.8	4.68	17.3	3.74	13.9	2.97	10.4	2.38	
-10	-10.5	32.4	32.4	10.1	29.2	8.46	25.9	7.01	22.7	5.74	19.5	4.63	16.2	3.70	13.0	2.95	9.73	2.36	
-14.5	-15.0	29.0	29.0	9.93	26.1	8.34	23.2	6.91	20.3	5.66	17.4	4.57	14.5	3.65	11.6	2.90	8.70	2.32	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 20.0°C dry-bulb



MMY-MAP1606HT5P (16HP, 45kW system)

Cooling

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit 100% Cooling Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
			100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
			TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)
40 °C	41.9	41.9	14.7	37.7	12.1	33.5	9.74	29.3	7.67	25.1	5.86	20.9	4.31	16.8	3.03	12.6	2.02	
39 °C	42.5	42.5	14.5	38.3	11.9	34.0	9.60	29.8	7.55	25.5	5.77	21.3	4.25	17.0	2.99	12.8	1.99	
37 °C	43.8	43.8	14.0	39.4	11.5	35.1	9.31	30.7	7.32	26.3	5.59	21.9	4.12	17.5	2.90	13.1	1.93	
35 °C	45.0	45.0	13.6	40.5	11.2	36.0	9.02	31.5	7.09	27.0	5.42	22.5	3.99	18.0	2.80	13.5	1.87	
33 °C	45.0	45.0	12.6	40.5	10.4	36.0	8.35	31.5	6.58	27.0	5.03	22.5	3.71	18.0	2.62	13.5	1.75	
31 °C	45.0	45.0	11.7	40.5	9.61	36.0	7.76	31.5	6.12	27.0	4.68	22.5	3.46	18.0	2.45	13.5	1.64	
30 °C	45.0	45.0	11.3	40.5	9.27	36.0	7.49	31.5	5.90	27.0	4.52	22.5	3.35	18.0	2.37	13.5	1.59	
29 °C	45.0	45.0	10.9	40.5	8.95	36.0	7.23	31.5	5.70	27.0	4.37	22.5	3.24	18.0	2.29	13.5	1.55	
27 °C	45.0	45.0	10.1	40.5	8.34	36.0	6.74	31.5	5.32	27.0	4.09	22.5	3.03	18.0	2.15	13.5	1.46	
25 °C	45.0	45.0	9.45	40.5	7.79	36.0	6.30	31.5	4.98	27.0	3.82	22.5	2.84	18.0	2.02	13.5	1.37	
23 °C	45.0	45.0	9.03	40.5	7.44	36.0	6.02	31.5	4.76	27.0	3.66	22.5	2.72	18.0	1.94	13.5	1.32	
21 °C	45.0	45.0	8.83	40.5	7.29	36.0	5.90	31.5	4.66	27.0	3.59	22.5	2.67	18.0	1.91	13.5	1.30	
20 °C	45.0	45.0	8.74	40.5	7.22	36.0	5.84	31.5	4.62	27.0	3.56	22.5	2.65	18.0	1.89	13.5	1.29	
19 °C	45.0	45.0	8.66	40.5	7.15	36.0	5.79	31.5	4.58	27.0	3.53	22.5	2.63	18.0	1.88	13.5	1.29	
17 °C	45.0	45.0	8.52	40.5	7.03	36.0	5.70	31.5	4.51	27.0	3.47	22.5	2.59	18.0	1.85	13.5	1.27	
15 °C	45.0	45.0	8.40	40.5	6.93	36.0	5.62	31.5	4.45	27.0	3.43	22.5	2.56	18.0	1.83	13.5	1.26	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

Heating

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit Wet-Bulb (°C)	Outdoor Unit 100% Heating Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
				100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
				TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)
15.0	13.7	50.0	50.0	10.5	45.0	8.84	40.0	7.37	35.0	6.08	30.0	4.96	25.0	4.01	20.0	3.24	15.0	2.64	
13.0	11.8	50.0	50.0	10.9	45.0	9.19	40.0	7.65	35.0	6.29	30.0	5.11	25.0	4.12	20.0	3.30	15.0	2.67	
11.0	9.8	50.0	50.0	11.4	45.0	9.60	40.0	7.97	35.0	6.53	30.0	5.29	25.0	4.24	20.0	3.38	15.0	2.71	
9.0	7.9	50.0	50.0	11.9	45.0	10.0	40.0	8.30	35.0	6.78	30.0	5.47	25.0	4.36	20.0	3.46	15.0	2.75	
7.0	6.0	50.0	50.0	12.5	45.0	10.5	40.0	8.65	35.0	7.05	30.0	5.67	25.0	4.50	20.0	3.54	15.0	2.80	
5.0	4.1	48.2	48.2	12.4	43.4	10.4	38.6	8.59	33.7	7.00	28.9	5.62	24.1	4.46	19.3	3.51	14.5	2.78	
3.0	2.2	46.4	46.4	12.3	41.8	10.3	37.1	8.52	32.5	6.95	27.9	5.58	23.2	4.43	18.6	3.49	13.9	2.76	
0.0	-0.7	43.7	43.7	12.2	39.3	10.2	34.9	8.42	30.6	6.86	26.2	5.52	21.8	4.38	17.5	3.45	13.1	2.72	
-3.0	-3.7	40.9	40.9	12.0	36.8	10.1	32.7	8.32	28.6	6.78	24.5	5.45	20.4	4.32	16.3	3.40	12.3	2.69	
-5.0	-5.6	39.1	39.1	11.9	35.2	10.0	31.3	8.25	27.3	6.73	23.4	5.40	19.5	4.29	15.6	3.38	11.7	2.67	
-7.0	-7.6	37.2	37.2	11.8	33.5	9.90	29.7	8.18	26.0	6.67	22.3	5.36	18.6	4.25	14.9	3.35	11.2	2.65	
-10	-10.5	34.5	34.5	11.7	31.0	9.78	27.6	8.08	24.1	6.59	20.7	5.29	17.2	4.20	13.8	3.31	10.3	2.61	
-14.5	-15.0	30.2	30.2	11.4	27.2	9.59	24.2	7.93	21.1	6.46	18.1	5.19	15.1	4.12	12.1	3.24	9.06	2.56	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 20.0°C dry-bulb

MMY-MAP1816HT5P (18HP, 50.4kW system)

Cooling

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit 100% Cooling Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
			100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
			TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)
40 °C		46.9	15.1	42.2	12.6	37.5	10.4	32.8	8.33	28.1	6.53	23.5	4.95	18.8	3.60	14.1	2.48	
39 °C		47.7	14.9	42.9	12.4	38.1	10.2	33.4	8.21	28.6	6.43	23.8	4.88	19.1	3.55	14.3	2.44	
37 °C		49.1	14.4	44.2	12.1	39.3	9.91	34.4	7.96	29.4	6.24	24.5	4.73	19.6	3.44	14.7	2.37	
35 °C		50.4	14.0	45.4	11.7	40.3	9.60	35.3	7.71	30.2	6.04	25.2	4.58	20.2	3.33	15.1	2.29	
33 °C		50.4	13.0	45.4	10.9	40.3	8.92	35.3	7.18	30.2	5.63	25.2	4.28	20.2	3.12	15.1	2.15	
31 °C		50.4	12.1	45.4	10.1	40.3	8.32	35.3	6.70	30.2	5.26	25.2	4.00	20.2	2.92	15.1	2.03	
30 °C		50.4	11.7	45.4	9.77	40.3	8.04	35.3	6.48	30.2	5.09	25.2	3.87	20.2	2.83	15.1	1.97	
29 °C		50.4	11.3	45.4	9.44	40.3	7.77	35.3	6.26	30.2	4.92	25.2	3.75	20.2	2.75	15.1	1.91	
27 °C		50.4	10.5	45.4	8.83	40.3	7.27	35.3	5.87	30.2	4.62	25.2	3.52	20.2	2.58	15.1	1.80	
25 °C		50.4	9.87	45.4	8.26	40.3	6.81	35.3	5.50	30.2	4.33	25.2	3.31	20.2	2.43	15.1	1.70	
23 °C		50.4	9.44	45.4	7.91	40.3	6.52	35.3	5.27	30.2	4.15	25.2	3.18	20.2	2.34	15.1	1.64	
21 °C		50.4	9.25	45.4	7.76	40.3	6.40	35.3	5.17	30.2	4.08	25.2	3.12	20.2	2.30	15.1	1.61	
20 °C		50.4	9.17	45.4	7.69	40.3	6.34	35.3	5.13	30.2	4.05	25.2	3.10	20.2	2.28	15.1	1.60	
19 °C		50.4	9.09	45.4	7.63	40.3	6.29	35.3	5.09	30.2	4.02	25.2	3.08	20.2	2.27	15.1	1.59	
17 °C		50.4	8.95	45.4	7.51	40.3	6.20	35.3	5.02	30.2	3.96	25.2	3.04	20.2	2.24	15.1	1.58	
15 °C		50.4	8.83	45.4	7.41	40.3	6.12	35.3	4.95	30.2	3.92	25.2	3.00	20.2	2.22	15.1	1.56	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

Heating

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit Wet-Bulb (°C)	Outdoor Unit 100% Heating Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
				100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
				TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)
15.0	13.7	56.0	11.6	50.4	9.98	44.8	8.45	39.2	7.05	33.6	5.78	28.0	4.63	22.4	3.61	16.8	2.72		
13.0	11.8	56.0	12.1	50.4	10.3	44.8	8.74	39.2	7.28	33.6	5.96	28.0	4.76	22.4	3.70	16.8	2.78		
11.0	9.8	56.0	12.6	50.4	10.7	44.8	9.07	39.2	7.55	33.6	6.16	28.0	4.91	22.4	3.81	16.8	2.84		
9.0	7.9	56.0	13.1	50.4	11.2	44.8	9.41	39.2	7.81	33.6	6.36	28.0	5.06	22.4	3.91	16.8	2.91		
7.0	6.0	56.0	13.6	50.4	11.6	44.8	9.78	39.2	8.10	33.6	6.59	28.0	5.23	22.4	4.03	16.8	2.98		
5.0	4.1	54.2	13.5	48.8	11.5	43.4	9.72	37.9	8.06	32.5	6.55	27.1	5.20	21.7	4.00	16.3	2.97		
3.0	2.2	52.4	13.4	47.2	11.5	41.9	9.67	36.7	8.01	31.4	6.51	26.2	5.17	21.0	3.98	15.7	2.95		
0.0	-0.7	49.6	13.3	44.7	11.4	39.7	9.58	34.8	7.94	29.8	6.45	24.8	5.12	19.9	3.95	14.9	2.92		
-3.0	-3.7	46.8	13.2	42.1	11.3	37.4	9.49	32.8	7.87	28.1	6.40	23.4	5.08	18.7	3.91	14.0	2.90		
-5.0	-5.6	45.0	13.1	40.5	11.2	36.0	9.44	31.5	7.82	27.0	6.36	22.5	5.05	18.0	3.89	13.5	2.88		
-7.0	-7.6	43.1	13.0	38.8	11.1	34.5	9.38	30.2	7.77	25.9	6.32	21.6	5.02	17.2	3.86	12.9	2.86		
-10	-10.5	40.4	12.9	36.3	11.0	32.3	9.29	28.3	7.70	24.2	6.26	20.2	4.97	16.1	3.83	12.1	2.83		
-14.5	-15.0	36.1	12.7	32.5	10.9	28.9	9.16	25.3	7.59	21.7	6.17	18.0	4.90	14.4	3.77	10.8	2.79		

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 20.0°C dry-bulb



MMY-MAP2016HT5P (20HP, 56kW system)

Cooling

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit 100% Cooling Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
			100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
			TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)
40 °C		52.1	52.1	19.2	46.9	15.7	41.7	12.5	36.5	9.75	31.3	7.38	26.1	5.40	20.8	3.81	15.6	2.62
39 °C		52.9	52.9	18.9	47.7	15.4	42.4	12.3	37.1	9.60	31.8	7.27	26.5	5.32	21.2	3.75	15.9	2.58
37 °C		54.5	54.5	18.4	49.1	15.0	43.6	12.0	38.2	9.31	32.7	7.05	27.3	5.16	21.8	3.64	16.4	2.50
35 °C		56.0	56.0	17.9	50.4	14.5	44.8	11.6	39.2	9.02	33.6	6.83	28.0	4.99	22.4	3.53	16.8	2.42
33 °C		56.0	56.0	16.4	50.4	13.4	44.8	10.7	39.2	8.35	33.6	6.33	28.0	4.64	22.4	3.30	16.8	2.28
31 °C		56.0	56.0	15.2	50.4	12.4	44.8	9.93	39.2	7.75	33.6	5.89	28.0	4.33	22.4	3.09	16.8	2.15
30 °C		56.0	56.0	14.7	50.4	12.0	44.8	9.58	39.2	7.48	33.6	5.68	28.0	4.19	22.4	2.99	16.8	2.09
29 °C		56.0	56.0	14.1	50.4	11.5	44.8	9.24	39.2	7.22	33.6	5.49	28.0	4.05	22.4	2.90	16.8	2.03
27 °C		56.0	56.0	13.2	50.4	10.8	44.8	8.61	39.2	6.73	33.6	5.13	28.0	3.79	22.4	2.72	16.8	1.92
25 °C		56.0	56.0	12.3	50.4	10.0	44.8	8.03	39.2	6.29	33.6	4.80	28.0	3.55	22.4	2.56	16.8	1.82
23 °C		56.0	56.0	11.7	50.4	9.57	44.8	7.67	39.2	6.01	33.6	4.59	28.0	3.41	22.4	2.46	16.8	1.75
21 °C		56.0	56.0	11.4	50.4	9.36	44.8	7.50	39.2	5.88	33.6	4.50	28.0	3.34	22.4	2.42	16.8	1.73
20 °C		56.0	56.0	11.3	50.4	9.26	44.8	7.43	39.2	5.83	33.6	4.46	28.0	3.32	22.4	2.40	16.8	1.72
19 °C		56.0	56.0	11.2	50.4	9.17	44.8	7.36	39.2	5.78	33.6	4.42	28.0	3.29	22.4	2.39	16.8	1.71
17 °C		56.0	56.0	11.0	50.4	9.02	44.8	7.24	39.2	5.68	33.6	4.35	28.0	3.24	22.4	2.36	16.8	1.70
15 °C		56.0	56.0	10.9	50.4	8.88	44.8	7.13	39.2	5.60	33.6	4.29	28.0	3.20	22.4	2.34	16.8	1.69

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

Heating

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit Wet-Bulb (°C)	Outdoor Unit 100% Heating Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
				100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
				TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)
15.0	13.7	63.0	63.0	14.1	56.7	12.1	50.4	10.2	44.1	8.49	37.8	6.92	31.5	5.49	25.2	4.20	18.9	3.07	
13.0	11.8	63.0	63.0	14.6	56.7	12.5	50.4	10.6	44.1	8.78	37.8	7.14	31.5	5.65	25.2	4.32	18.9	3.14	
11.0	9.8	63.0	63.0	15.2	56.7	13.0	50.4	11.0	44.1	9.11	37.8	7.39	31.5	5.84	25.2	4.45	18.9	3.23	
9.0	7.9	63.0	63.0	15.8	56.7	13.5	50.4	11.4	44.1	9.44	37.8	7.65	31.5	6.03	25.2	4.59	18.9	3.32	
7.0	6.0	63.0	63.0	16.5	56.7	14.1	50.4	11.8	44.1	9.80	37.8	7.93	31.5	6.24	25.2	4.73	18.9	3.41	
5.0	4.1	60.7	60.7	16.4	54.7	14.0	48.6	11.8	42.5	9.72	36.4	7.87	30.4	6.19	24.3	4.70	18.2	3.38	
3.0	2.2	58.5	58.5	16.2	52.6	13.9	46.8	11.7	40.9	9.65	35.1	7.81	29.2	6.14	23.4	4.66	17.5	3.36	
0.0	-0.7	55.0	55.0	16.1	49.5	13.7	44.0	11.5	38.5	9.53	33.0	7.71	27.5	6.07	22.0	4.61	16.5	3.32	
-3.0	-3.7	51.5	51.5	15.9	46.3	13.5	41.2	11.4	36.0	9.42	30.9	7.62	25.7	6.00	20.6	4.55	15.4	3.28	
-5.0	-5.6	49.2	49.2	15.7	44.3	13.4	39.4	11.3	34.5	9.34	29.5	7.56	24.6	5.95	19.7	4.51	14.8	3.25	
-7.0	-7.6	46.9	46.9	15.6	42.2	13.3	37.5	11.2	32.8	9.26	28.1	7.49	23.4	5.90	18.7	4.48	14.1	3.23	
-10	-10.5	43.4	43.4	15.4	39.1	13.2	34.7	11.1	30.4	9.15	26.0	7.40	21.7	5.83	17.4	4.42	13.0	3.19	
-14.5	-15.0	38.1	38.1	15.1	34.3	12.9	30.5	10.9	26.6	8.97	22.8	7.26	19.0	5.71	15.2	4.34	11.4	3.12	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 20.0°C dry-bulb



MMY-MAP2216HT5P (22HP, 61.5kW system)

Cooling

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit 100% Cooling Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
			100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	57.2	57.2	18.0	51.5	14.8	45.8	12.0	40.1	9.50	34.3	7.34	28.6	5.52	22.9	4.04	17.2	2.91	
39 °C	58.2	58.2	17.7	52.3	14.6	46.5	11.8	40.7	9.36	34.9	7.23	29.1	5.44	23.3	3.98	17.4	2.86	
37 °C	59.9	59.9	17.2	53.9	14.2	47.9	11.5	41.9	9.07	35.9	7.01	29.9	5.28	24.0	3.86	18.0	2.78	
35 °C	61.5	61.5	16.7	55.4	13.7	49.2	11.1	43.1	8.79	36.9	6.79	30.8	5.11	24.6	3.74	18.5	2.69	
33 °C	61.5	61.5	15.4	55.4	12.7	49.2	10.3	43.1	8.16	36.9	6.32	30.8	4.77	24.6	3.51	18.5	2.54	
31 °C	61.5	61.5	14.3	55.4	11.8	49.2	9.57	43.1	7.60	36.9	5.90	30.8	4.46	24.6	3.30	18.5	2.40	
30 °C	61.5	61.5	13.8	55.4	11.4	49.2	9.24	43.1	7.34	36.9	5.70	30.8	4.32	24.6	3.20	18.5	2.34	
29 °C	61.5	61.5	13.3	55.4	11.0	49.2	8.92	43.1	7.09	36.9	5.51	30.8	4.19	24.6	3.11	18.5	2.28	
27 °C	61.5	61.5	12.4	55.4	10.3	49.2	8.33	43.1	6.63	36.9	5.16	30.8	3.93	24.6	2.93	18.5	2.15	
25 °C	61.5	61.5	11.6	55.4	9.59	49.2	7.79	43.1	6.21	36.9	4.84	30.8	3.69	24.6	2.76	18.5	2.04	
23 °C	61.5	61.5	11.1	55.4	9.16	49.2	7.45	43.1	5.94	36.9	4.64	30.8	3.55	24.6	2.66	18.5	1.97	
21 °C	61.5	61.5	10.8	55.4	8.97	49.2	7.30	43.1	5.83	36.9	4.56	30.8	3.49	24.6	2.62	18.5	1.95	
20 °C	61.5	61.5	10.7	55.4	8.88	49.2	7.23	43.1	5.78	36.9	4.52	30.8	3.46	24.6	2.60	18.5	1.94	
19 °C	61.5	61.5	10.6	55.4	8.81	49.2	7.17	43.1	5.73	36.9	4.49	30.8	3.44	24.6	2.59	18.5	1.94	
17 °C	61.5	61.5	10.5	55.4	8.66	49.2	7.06	43.1	5.64	36.9	4.42	30.8	3.40	24.6	2.56	18.5	1.93	
15 °C	61.5	61.5	10.3	55.4	8.54	49.2	6.96	43.1	5.57	36.9	4.37	30.8	3.36	24.6	2.54	18.5	1.93	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

Heating

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit Wet-Bulb (°C)	Outdoor Unit 100% Heating Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
				100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
				TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
				(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
15.0	13.7	69.0	69.0	13.9	62.1	11.8	55.2	10.0	48.3	8.26	41.4	6.74	34.5	5.39	27.6	4.21	20.7	3.21	
13.0	11.8	69.0	69.0	14.4	62.1	12.3	55.2	10.3	48.3	8.54	41.4	6.95	34.5	5.54	27.6	4.32	20.7	3.27	
11.0	9.8	69.0	69.0	15.0	62.1	12.8	55.2	10.7	48.3	8.86	41.4	7.19	34.5	5.72	27.6	4.44	20.7	3.35	
9.0	7.9	69.0	69.0	15.6	62.1	13.3	55.2	11.1	48.3	9.19	41.4	7.44	34.5	5.90	27.6	4.56	20.7	3.42	
7.0	6.0	69.0	69.0	16.3	62.1	13.8	55.2	11.6	48.3	9.54	41.4	7.71	34.5	6.09	27.6	4.69	20.7	3.50	
5.0	4.1	66.6	66.6	16.2	60.0	13.7	53.3	11.5	46.6	9.47	40.0	7.66	33.3	6.05	26.7	4.66	20.0	3.48	
3.0	2.2	64.3	64.3	16.1	57.9	13.7	51.4	11.4	45.0	9.41	38.6	7.60	32.1	6.01	25.7	4.63	19.3	3.46	
0.0	-0.7	60.7	60.7	15.9	54.6	13.5	48.6	11.3	42.5	9.31	36.4	7.52	30.3	5.95	24.3	4.58	18.2	3.42	
-3.0	-3.7	57.0	57.0	15.8	51.3	13.4	45.6	11.2	39.9	9.21	34.2	7.44	28.5	5.88	22.8	4.53	17.1	3.38	
-5.0	-5.6	54.6	54.6	15.6	49.2	13.3	43.7	11.1	38.2	9.14	32.8	7.39	27.3	5.84	21.8	4.50	16.4	3.36	
-7.0	-7.6	52.1	52.1	15.5	46.9	13.2	41.7	11.0	36.5	9.08	31.3	7.33	26.1	5.80	20.9	4.46	15.6	3.33	
-10	-10.5	48.5	48.5	15.4	43.7	13.0	38.8	10.9	34.0	8.98	29.1	7.25	24.3	5.73	19.4	4.41	14.6	3.30	
-14.5	-15.0	43.0	43.0	15.1	38.7	12.8	34.4	10.7	30.1	8.82	25.8	7.13	21.5	5.64	17.2	4.34	12.9	3.24	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 20.0°C dry-bulb



MMY-AP2416HT5P (24HP, 67kW system)

Cooling

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit 100% Cooling Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
			100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
			TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)
40 °C	62.3	62.3	20.3	56.1	16.8	49.9	13.6	43.6	10.8	37.4	8.30	31.2	6.18	24.9	4.42	18.7	3.01	
39 °C	63.4	63.4	20.0	57.0	16.5	50.7	13.4	44.3	10.6	38.0	8.17	31.7	6.09	25.3	4.35	19.0	2.97	
37 °C	65.2	65.2	19.4	58.7	16.0	52.2	13.0	45.7	10.3	39.1	7.93	32.6	5.90	26.1	4.22	19.6	2.88	
35 °C	67.0	67.0	18.8	60.3	15.5	53.6	12.6	46.9	9.97	40.2	7.68	33.5	5.72	26.8	4.09	20.1	2.79	
33 °C	67.0	67.0	17.4	60.3	14.4	53.6	11.7	46.9	9.25	40.2	7.14	33.5	5.33	26.8	3.82	20.1	2.62	
31 °C	67.0	67.0	16.2	60.3	13.4	53.6	10.9	46.9	8.61	40.2	6.65	33.5	4.98	26.8	3.58	20.1	2.46	
30 °C	67.0	67.0	15.6	60.3	12.9	53.6	10.5	46.9	8.32	40.2	6.43	33.5	4.81	26.8	3.47	20.1	2.39	
29 °C	67.0	67.0	15.1	60.3	12.5	53.6	10.1	46.9	8.04	40.2	6.22	33.5	4.66	26.8	3.36	20.1	2.32	
27 °C	67.0	67.0	14.1	60.3	11.6	53.6	9.45	46.9	7.51	40.2	5.82	33.5	4.36	26.8	3.16	20.1	2.19	
25 °C	67.0	67.0	13.1	60.3	10.9	53.6	8.84	46.9	7.03	40.2	5.45	33.5	4.10	26.8	2.97	20.1	2.07	
23 °C	67.0	67.0	12.5	60.3	10.4	53.6	8.45	46.9	6.73	40.2	5.22	33.5	3.93	26.8	2.85	20.1	1.99	
21 °C	67.0	67.0	12.3	60.3	10.2	53.6	8.28	46.9	6.60	40.2	5.12	33.5	3.86	26.8	2.81	20.1	1.96	
20 °C	67.0	67.0	12.2	60.3	10.1	53.6	8.20	46.9	6.54	40.2	5.08	33.5	3.83	26.8	2.79	20.1	1.95	
19 °C	67.0	67.0	12.0	60.3	9.99	53.6	8.13	46.9	6.48	40.2	5.04	33.5	3.80	26.8	2.77	20.1	1.94	
17 °C	67.0	67.0	11.9	60.3	9.83	53.6	8.00	46.9	6.38	40.2	4.96	33.5	3.75	26.8	2.73	20.1	1.94	
15 °C	67.0	67.0	11.7	60.3	9.69	53.6	7.90	46.9	6.30	40.2	4.90	33.5	3.70	26.8	2.70	20.1	1.94	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

Heating

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit Wet-Bulb (°C)	Outdoor Unit 100% Heating Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
				100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
				TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)
15.0	13.7	75.0	75.0	15.8	67.5	13.5	60.0	11.3	52.5	9.42	45.0	7.66	37.5	6.09	30.0	4.70	22.5	3.49	
13.0	11.8	75.0	75.0	16.4	67.5	14.0	60.0	11.8	52.5	9.74	45.0	7.91	37.5	6.28	30.0	4.83	22.5	3.57	
11.0	9.8	75.0	75.0	17.0	67.5	14.5	60.0	12.2	52.5	10.1	45.0	8.19	37.5	6.48	30.0	4.97	22.5	3.66	
9.0	7.9	75.0	75.0	17.7	67.5	15.1	60.0	12.7	52.5	10.5	45.0	8.47	37.5	6.69	30.0	5.12	22.5	3.76	
7.0	6.0	75.0	75.0	18.5	67.5	15.7	60.0	13.2	52.5	10.9	45.0	8.78	37.5	6.92	30.0	5.28	22.5	3.86	
5.0	4.1	72.3	72.3	18.3	65.1	15.6	57.9	13.1	50.6	10.8	43.4	8.72	36.2	6.86	28.9	5.24	21.7	3.83	
3.0	2.2	69.6	69.6	18.2	62.7	15.5	55.7	13.0	48.7	10.7	41.8	8.65	34.8	6.81	27.9	5.19	20.9	3.80	
0.0	-0.7	65.5	65.5	18.0	59.0	15.3	52.4	12.8	45.9	10.6	39.3	8.55	32.8	6.73	26.2	5.13	19.7	3.75	
-3.0	-3.7	61.3	61.3	17.8	55.2	15.1	49.0	12.7	42.9	10.4	36.8	8.44	30.6	6.65	24.5	5.07	18.4	3.71	
-5.0	-5.6	58.6	58.6	17.6	52.7	15.0	46.9	12.6	41.0	10.4	35.2	8.38	29.3	6.60	23.4	5.03	17.6	3.68	
-7.0	-7.6	55.8	55.8	17.5	50.2	14.9	44.6	12.5	39.0	10.3	33.5	8.30	27.9	6.54	22.3	4.99	16.7	3.65	
-10	-10.5	51.7	51.7	17.3	46.5	14.7	41.3	12.3	36.2	10.2	31.0	8.20	25.8	6.46	20.7	4.93	15.5	3.60	
-14.5	-15.0	45.3	45.3	16.9	40.8	14.4	36.3	12.1	31.7	9.96	27.2	8.04	22.7	6.34	18.1	4.83	13.6	3.53	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 20.0°C dry-bulb

MMY-AP2616HT5P (26HP, 73.5kW system)

Cooling

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit 100% Cooling Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
			100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
			TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)
40 °C	68.4	68.4	22.6	61.6	18.7	54.7	15.1	47.9	12.0	41.0	9.23	34.2	6.88	27.4	4.93	20.5	3.38	
39 °C	69.5	69.5	22.3	62.5	18.4	55.6	14.9	48.6	11.8	41.7	9.09	34.7	6.78	27.8	4.86	20.8	3.33	
37 °C	71.6	71.6	21.6	64.4	17.8	57.3	14.4	50.1	11.4	42.9	8.82	35.8	6.58	28.6	4.71	21.5	3.22	
35 °C	73.5	73.5	20.9	66.2	17.3	58.8	14.0	51.5	11.1	44.1	8.54	36.8	6.37	29.4	4.56	22.1	3.12	
33 °C	73.5	73.5	19.4	66.2	16.0	58.8	13.0	51.5	10.3	44.1	7.94	36.8	5.94	29.4	4.27	22.1	2.94	
31 °C	73.5	73.5	18.0	66.2	14.9	58.8	12.1	51.5	9.58	44.1	7.41	36.8	5.55	29.4	4.00	22.1	2.76	
30 °C	73.5	73.5	17.3	66.2	14.3	58.8	11.6	51.5	9.25	44.1	7.16	36.8	5.36	29.4	3.87	22.1	2.68	
29 °C	73.5	73.5	16.7	66.2	13.9	58.8	11.2	51.5	8.94	44.1	6.92	36.8	5.19	29.4	3.75	22.1	2.61	
27 °C	73.5	73.5	15.6	66.2	12.9	58.8	10.5	51.5	8.36	44.1	6.48	36.8	4.87	29.4	3.53	22.1	2.46	
25 °C	73.5	73.5	14.6	66.2	12.1	58.8	9.82	51.5	7.82	44.1	6.07	36.8	4.57	29.4	3.32	22.1	2.32	
23 °C	73.5	73.5	13.9	66.2	11.5	58.8	9.40	51.5	7.49	44.1	5.81	36.8	4.38	29.4	3.19	22.1	2.24	
21 °C	73.5	73.5	13.6	66.2	11.3	58.8	9.21	51.5	7.34	44.1	5.70	36.8	4.30	29.4	3.14	22.1	2.21	
20 °C	73.5	73.5	13.5	66.2	11.2	58.8	9.12	51.5	7.27	44.1	5.66	36.8	4.27	29.4	3.12	22.1	2.19	
19 °C	73.5	73.5	13.4	66.2	11.1	58.8	9.04	51.5	7.21	44.1	5.61	36.8	4.24	29.4	3.10	22.1	2.18	
17 °C	73.5	73.5	13.2	66.2	10.9	58.8	8.90	51.5	7.10	44.1	5.53	36.8	4.18	29.4	3.06	22.1	2.17	
15 °C	73.5	73.5	13.0	66.2	10.8	58.8	8.78	51.5	7.01	44.1	5.46	36.8	4.13	29.4	3.03	22.1	2.16	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

Heating

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit Wet-Bulb (°C)	Outdoor Unit 100% Heating Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
				100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
				TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)
15.0	13.7	82.5	82.5	16.8	74.3	14.3	66.0	12.0	57.8	9.93	49.5	8.12	41.3	6.54	33.0	5.20	24.8	4.10	
13.0	11.8	82.5	82.5	17.5	74.3	14.8	66.0	12.4	57.8	10.3	49.5	8.37	41.3	6.72	33.0	5.32	24.8	4.17	
11.0	9.8	82.5	82.5	18.2	74.3	15.4	66.0	12.9	57.8	10.6	49.5	8.65	41.3	6.92	33.0	5.45	24.8	4.24	
9.0	7.9	82.5	82.5	19.0	74.3	16.1	66.0	13.4	57.8	11.0	49.5	8.95	41.3	7.13	33.0	5.59	24.8	4.32	
7.0	6.0	82.5	82.5	19.8	74.3	16.8	66.0	14.0	57.8	11.5	49.5	9.27	41.3	7.36	33.0	5.74	24.8	4.41	
5.0	4.1	79.7	79.7	19.7	71.7	16.6	63.8	13.9	55.8	11.4	47.8	9.21	39.9	7.31	31.9	5.70	23.9	4.38	
3.0	2.2	76.9	76.9	19.6	69.2	16.5	61.5	13.8	53.8	11.3	46.2	9.15	38.5	7.26	30.8	5.66	23.1	4.35	
0.0	-0.7	72.7	72.7	19.4	65.4	16.4	58.1	13.6	50.9	11.2	43.6	9.05	36.3	7.18	29.1	5.60	21.8	4.31	
-3.0	-3.7	68.3	68.3	19.2	61.4	16.2	54.6	13.5	47.8	11.1	41.0	8.96	34.1	7.11	27.3	5.54	20.5	4.26	
-5.0	-5.6	65.5	65.5	19.0	58.9	16.1	52.4	13.4	45.8	11.0	39.3	8.89	32.7	7.06	26.2	5.51	19.6	4.23	
-7.0	-7.6	62.5	62.5	18.9	56.3	16.0	50.0	13.3	43.8	10.9	37.5	8.83	31.3	7.01	25.0	5.47	18.8	4.20	
-10	-10.5	58.3	58.3	18.7	52.4	15.8	46.6	13.2	40.8	10.8	35.0	8.74	29.1	6.93	23.3	5.41	17.5	4.16	
-14.5	-15.0	51.7	51.7	18.4	46.5	15.5	41.3	12.9	36.2	10.6	31.0	8.59	25.8	6.82	20.7	5.32	15.5	4.09	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 20.0°C dry-bulb



MMY-AP2816HT5P (28HP, 78.5kW system)

Cooling

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit 100% Cooling Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
			100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
			TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)
40 °C	73.1	73.1	24.9	65.7	20.5	58.4	16.5	51.1	13.1	43.8	10.0	36.5	7.40	29.2	5.24	21.9	3.52	
39 °C	74.2	74.2	24.5	66.8	20.2	59.4	16.3	52.0	12.9	44.5	9.86	37.1	7.29	29.7	5.16	22.3	3.47	
37 °C	76.4	76.4	23.7	68.8	19.6	61.2	15.8	53.5	12.5	45.9	9.56	38.2	7.07	30.6	5.00	22.9	3.36	
35 °C	78.5	78.5	23.0	70.7	19.0	62.8	15.3	55.0	12.1	47.1	9.26	39.3	6.85	31.4	4.85	23.6	3.26	
33 °C	78.5	78.5	21.3	70.7	17.6	62.8	14.2	55.0	11.2	47.1	8.60	39.3	6.37	31.4	4.53	23.6	3.06	
31 °C	78.5	78.5	19.8	70.7	16.3	62.8	13.2	55.0	10.4	47.1	8.01	39.3	5.95	31.4	4.24	23.6	2.88	
30 °C	78.5	78.5	19.1	70.7	15.7	62.8	12.7	55.0	10.1	47.1	7.74	39.3	5.75	31.4	4.10	23.6	2.79	
29 °C	78.5	78.5	18.4	70.7	15.2	62.8	12.3	55.0	9.72	47.1	7.48	39.3	5.56	31.4	3.97	23.6	2.71	
27 °C	78.5	78.5	17.2	70.7	14.2	62.8	11.5	55.0	9.08	47.1	6.99	39.3	5.21	31.4	3.73	23.6	2.55	
25 °C	78.5	78.5	16.0	70.7	13.2	62.8	10.7	55.0	8.49	47.1	6.55	39.3	4.89	31.4	3.50	23.6	2.40	
23 °C	78.5	78.5	15.3	70.7	12.6	62.8	10.2	55.0	8.13	47.1	6.27	39.3	4.68	31.4	3.37	23.6	2.32	
21 °C	78.5	78.5	15.0	70.7	12.4	62.8	10.0	55.0	7.96	47.1	6.15	39.3	4.60	31.4	3.31	23.6	2.28	
20 °C	78.5	78.5	14.8	70.7	12.3	62.8	9.94	55.0	7.89	47.1	6.10	39.3	4.56	31.4	3.29	23.6	2.27	
19 °C	78.5	78.5	14.7	70.7	12.1	62.8	9.85	55.0	7.82	47.1	6.05	39.3	4.53	31.4	3.26	23.6	2.26	
17 °C	78.5	78.5	14.4	70.7	11.9	62.8	9.70	55.0	7.70	47.1	5.96	39.3	4.46	31.4	3.22	23.6	2.24	
15 °C	78.5	78.5	14.2	70.7	11.8	62.8	9.56	55.0	7.60	47.1	5.88	39.3	4.41	31.4	3.19	23.6	2.23	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

Heating

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit Wet-Bulb (°C)	Outdoor Unit 100% Heating Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
				100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
				TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)
15.0	13.7	87.5	87.5	18.4	78.8	15.6	70.0	13.0	61.3	10.8	52.5	8.79	43.8	7.06	35.0	5.59	26.3	4.39	
13.0	11.8	87.5	87.5	19.1	78.8	16.2	70.0	13.5	61.3	11.2	52.5	9.07	43.8	7.25	35.0	5.72	26.3	4.46	
11.0	9.8	87.5	87.5	19.9	78.8	16.9	70.0	14.1	61.3	11.6	52.5	9.38	43.8	7.48	35.0	5.87	26.3	4.55	
9.0	7.9	87.5	87.5	20.8	78.8	17.6	70.0	14.6	61.3	12.0	52.5	9.71	43.8	7.71	35.0	6.02	26.3	4.63	
7.0	6.0	87.5	87.5	21.7	78.8	18.3	70.0	15.2	61.3	12.5	52.5	10.1	43.8	7.96	35.0	6.18	26.3	4.73	
5.0	4.1	84.4	84.4	21.6	75.9	18.2	67.5	15.1	59.1	12.4	50.6	10.0	42.2	7.90	33.7	6.13	25.3	4.69	
3.0	2.2	81.2	81.2	21.4	73.1	18.0	65.0	15.0	56.9	12.3	48.7	9.91	40.6	7.83	32.5	6.08	24.4	4.66	
0.0	-0.7	76.4	76.4	21.2	68.8	17.8	61.2	14.8	53.5	12.2	45.9	9.79	38.2	7.74	30.6	6.01	22.9	4.60	
-3.0	-3.7	71.5	71.5	20.9	64.4	17.6	57.2	14.7	50.1	12.0	42.9	9.67	35.8	7.65	28.6	5.94	21.5	4.54	
-5.0	-5.6	68.4	68.4	20.7	61.5	17.5	54.7	14.5	47.9	11.9	41.0	9.59	34.2	7.59	27.3	5.89	20.5	4.51	
-7.0	-7.6	65.1	65.1	20.6	58.6	17.3	52.1	14.4	45.5	11.8	39.0	9.51	32.5	7.52	26.0	5.84	19.5	4.47	
-10	-10.5	60.3	60.3	20.3	54.3	17.1	48.2	14.2	42.2	11.7	36.2	9.40	30.1	7.43	24.1	5.77	18.1	4.42	
-14.5	-15.0	52.9	52.9	19.9	47.6	16.8	42.3	14.0	37.0	11.4	31.7	9.21	26.4	7.29	21.1	5.66	15.9	4.33	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 20.0°C dry-bulb



MMY-AP3016HT5P (30HP, 85kW system)

Cooling

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit 100% Cooling Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
			100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
			TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)
40 °C	79.1	79.1	27.1	71.2	22.3	63.3	18.1	55.4	14.3	47.5	10.9	39.5	8.10	31.6	5.75	23.7	3.89	
39 °C	80.4	80.4	26.7	72.3	22.0	64.3	17.8	56.3	14.0	48.2	10.8	40.2	7.98	32.1	5.67	24.1	3.83	
37 °C	82.8	82.8	25.9	74.5	21.3	66.2	17.3	57.9	13.6	49.7	10.5	41.4	7.74	33.1	5.50	24.8	3.71	
35 °C	85.0	85.0	25.1	76.5	20.7	68.0	16.7	59.5	13.2	51.0	10.1	42.5	7.50	34.0	5.32	25.5	3.60	
33 °C	85.0	85.0	23.2	76.5	19.2	68.0	15.5	59.5	12.2	51.0	9.41	42.5	6.98	34.0	4.97	25.5	3.38	
31 °C	85.0	85.0	21.6	76.5	17.8	68.0	14.4	59.5	11.4	51.0	8.76	42.5	6.52	34.0	4.66	25.5	3.18	
30 °C	85.0	85.0	20.8	76.5	17.2	68.0	13.9	59.5	11.0	51.0	8.47	42.5	6.30	34.0	4.51	25.5	3.08	
29 °C	85.0	85.0	20.1	76.5	16.6	68.0	13.4	59.5	10.6	51.0	8.18	42.5	6.10	34.0	4.37	25.5	2.99	
27 °C	85.0	85.0	18.7	76.5	15.5	68.0	12.5	59.5	9.92	51.0	7.65	42.5	5.71	34.0	4.10	25.5	2.82	
25 °C	85.0	85.0	17.5	76.5	14.4	68.0	11.7	59.5	9.28	51.0	7.17	42.5	5.36	34.0	3.85	25.5	2.66	
23 °C	85.0	85.0	16.7	76.5	13.8	68.0	11.2	59.5	8.88	51.0	6.86	42.5	5.14	34.0	3.70	25.5	2.56	
21 °C	85.0	85.0	16.3	76.5	13.5	68.0	11.0	59.5	8.70	51.0	6.73	42.5	5.04	34.0	3.64	25.5	2.53	
20 °C	85.0	85.0	16.2	76.5	13.4	68.0	10.9	59.5	8.63	51.0	6.67	42.5	5.00	34.0	3.62	25.5	2.51	
19 °C	85.0	85.0	16.0	76.5	13.3	68.0	10.8	59.5	8.55	51.0	6.62	42.5	4.96	34.0	3.59	25.5	2.50	
17 °C	85.0	85.0	15.8	76.5	13.0	68.0	10.6	59.5	8.42	51.0	6.52	42.5	4.90	34.0	3.55	25.5	2.47	
15 °C	85.0	85.0	15.5	76.5	12.9	68.0	10.4	59.5	8.31	51.0	6.44	42.5	4.84	34.0	3.51	25.5	2.45	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

Heating

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit Wet-Bulb (°C)	Outdoor Unit 100% Heating Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
				100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
				TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)
15.0	13.7	95.0	95.0	19.4	85.5	16.4	76.0	13.7	66.5	11.3	57.0	9.25	47.5	7.51	38.0	6.09	28.5	4.99	
13.0	11.8	95.0	95.0	20.2	85.5	17.0	76.0	14.2	66.5	11.7	57.0	9.53	47.5	7.70	38.0	6.21	28.5	5.05	
11.0	9.8	95.0	95.0	21.1	85.5	17.8	76.0	14.8	66.5	12.1	57.0	9.85	47.5	7.92	38.0	6.34	28.5	5.12	
9.0	7.9	95.0	95.0	22.1	85.5	18.5	76.0	15.4	66.5	12.6	57.0	10.2	47.5	8.15	38.0	6.48	28.5	5.20	
7.0	6.0	95.0	95.0	23.1	85.5	19.4	76.0	16.0	66.5	13.1	57.0	10.5	47.5	8.39	38.0	6.64	28.5	5.28	
5.0	4.1	91.8	91.8	22.9	82.6	19.2	73.4	15.9	64.2	13.0	55.1	10.5	45.9	8.34	36.7	6.59	27.5	5.24	
3.0	2.2	88.5	88.5	22.8	79.7	19.1	70.8	15.8	62.0	12.9	53.1	10.4	44.3	8.28	35.4	6.55	26.6	5.21	
0.0	-0.7	83.6	83.6	22.5	75.2	18.9	66.9	15.6	58.5	12.8	50.1	10.3	41.8	8.20	33.4	6.48	25.1	5.15	
-3.0	-3.7	78.5	78.5	22.3	70.6	18.7	62.8	15.5	54.9	12.6	47.1	10.2	39.2	8.11	31.4	6.41	23.5	5.10	
-5.0	-5.6	75.2	75.2	22.1	67.7	18.6	60.2	15.4	52.7	12.6	45.1	10.1	37.6	8.05	30.1	6.37	22.6	5.06	
-7.0	-7.6	71.8	71.8	22.0	64.6	18.4	57.5	15.3	50.3	12.5	43.1	10.0	35.9	7.99	28.7	6.32	21.5	5.03	
-10	-10.5	66.9	66.9	21.7	60.2	18.2	53.5	15.1	46.8	12.3	40.1	9.93	33.4	7.90	26.8	6.25	20.1	4.97	
-14.5	-15.0	59.2	59.2	21.4	53.3	17.9	47.4	14.8	41.5	12.1	35.5	9.76	29.6	7.77	23.7	6.15	17.8	4.89	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 20.0°C dry-bulb

MMY-AP3216HT5P (32HP, 90kW system)

Cooling

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit 100% Cooling Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
			100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
			TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)
40 °C	83.8	83.8	29.4	75.4	24.2	67.0	19.5	58.6	15.3	50.3	11.7	41.9	8.62	33.5	6.06	25.1	4.03	
39 °C	85.1	85.1	28.9	76.6	23.8	68.1	19.2	59.6	15.1	51.1	11.5	42.5	8.49	34.0	5.97	25.5	3.97	
37 °C	87.6	87.6	28.1	78.9	23.1	70.1	18.6	61.3	14.6	52.6	11.2	43.8	8.24	35.1	5.79	26.3	3.85	
35 °C	90.0	90.0	27.2	81.0	22.4	72.0	18.0	63.0	14.2	54.0	10.8	45.0	7.98	36.0	5.61	27.0	3.73	
33 °C	90.0	90.0	25.2	81.0	20.7	72.0	16.7	63.0	13.2	54.0	10.1	45.0	7.42	36.0	5.23	27.0	3.50	
31 °C	90.0	90.0	23.3	81.0	19.2	72.0	15.5	63.0	12.2	54.0	9.37	45.0	6.92	36.0	4.90	27.0	3.29	
30 °C	90.0	90.0	22.5	81.0	18.5	72.0	15.0	63.0	11.8	54.0	9.05	45.0	6.69	36.0	4.74	27.0	3.19	
29 °C	90.0	90.0	21.7	81.0	17.9	72.0	14.5	63.0	11.4	54.0	8.74	45.0	6.47	36.0	4.59	27.0	3.09	
27 °C	90.0	90.0	20.3	81.0	16.7	72.0	13.5	63.0	10.6	54.0	8.17	45.0	6.06	36.0	4.30	27.0	2.91	
25 °C	90.0	90.0	18.9	81.0	15.6	72.0	12.6	63.0	9.96	54.0	7.65	45.0	5.68	36.0	4.04	27.0	2.74	
23 °C	90.0	90.0	18.1	81.0	14.9	72.0	12.0	63.0	9.52	54.0	7.32	45.0	5.44	36.0	3.88	27.0	2.64	
21 °C	90.0	90.0	17.7	81.0	14.6	72.0	11.8	63.0	9.33	54.0	7.18	45.0	5.34	36.0	3.81	27.0	2.60	
20 °C	90.0	90.0	17.5	81.0	14.4	72.0	11.7	63.0	9.24	54.0	7.11	45.0	5.29	36.0	3.79	27.0	2.59	
19 °C	90.0	90.0	17.3	81.0	14.3	72.0	11.6	63.0	9.16	54.0	7.05	45.0	5.25	36.0	3.76	27.0	2.57	
17 °C	90.0	90.0	17.0	81.0	14.1	72.0	11.4	63.0	9.02	54.0	6.95	45.0	5.18	36.0	3.71	27.0	2.54	
15 °C	90.0	90.0	16.8	81.0	13.9	72.0	11.2	63.0	8.90	54.0	6.86	45.0	5.11	36.0	3.67	27.0	2.52	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

Heating

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit Wet-Bulb (°C)	Outdoor Unit 100% Heating Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
				100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
				TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)
15.0	13.7	100.0	100.0	21.0	90.0	17.7	80.0	14.7	70.0	12.2	60.0	9.92	50.0	8.03	40.0	6.48	30.0	5.28	
13.0	11.8	100.0	100.0	21.8	90.0	18.4	80.0	15.3	70.0	12.6	60.0	10.2	50.0	8.23	40.0	6.61	30.0	5.35	
11.0	9.8	100.0	100.0	22.8	90.0	19.2	80.0	15.9	70.0	13.1	60.0	10.6	50.0	8.47	40.0	6.76	30.0	5.43	
9.0	7.9	100.0	100.0	23.9	90.0	20.0	80.0	16.6	70.0	13.6	60.0	10.9	50.0	8.72	40.0	6.91	30.0	5.51	
7.0	6.0	100.0	100.0	25.0	90.0	20.9	80.0	17.3	70.0	14.1	60.0	11.3	50.0	8.99	40.0	7.08	30.0	5.60	
5.0	4.1	96.4	96.4	24.8	86.8	20.8	77.1	17.2	67.5	14.0	57.9	11.2	48.2	8.93	38.6	7.03	28.9	5.56	
3.0	2.2	92.8	92.8	24.6	83.6	20.6	74.3	17.0	65.0	13.9	55.7	11.2	46.4	8.86	37.1	6.97	27.9	5.51	
0.0	-0.7	87.4	87.4	24.3	78.6	20.4	69.9	16.8	61.2	13.7	52.4	11.0	43.7	8.75	34.9	6.89	26.2	5.45	
-3.0	-3.7	81.7	81.7	24.0	73.5	20.1	65.4	16.6	57.2	13.6	49.0	10.9	40.9	8.65	32.7	6.81	24.5	5.38	
-5.0	-5.6	78.1	78.1	23.8	70.3	20.0	62.5	16.5	54.7	13.5	46.9	10.8	39.1	8.58	31.3	6.75	23.4	5.34	
-7.0	-7.6	74.4	74.4	23.6	66.9	19.8	59.5	16.4	52.1	13.3	44.6	10.7	37.2	8.50	29.7	6.70	22.3	5.29	
-10	-10.5	68.9	68.9	23.3	62.0	19.6	55.1	16.2	48.2	13.2	41.3	10.6	34.5	8.40	27.6	6.61	20.7	5.23	
-14.5	-15.0	60.4	60.4	22.9	54.4	19.2	48.3	15.9	42.3	12.9	36.3	10.4	30.2	8.24	24.2	6.49	18.1	5.13	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 20.0°C dry-bulb



MMY-AP3416HT5P (34HP, 95.4kW system)

Cooling

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit 100% Cooling Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
			100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
			TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)
40 °C		88.8	88.8	29.8	79.9	24.7	71.0	20.1	62.1	16.0	53.3	12.4	44.4	9.26	35.5	6.63	26.6	4.49
39 °C		90.2	90.2	29.4	81.2	24.3	72.2	19.8	63.1	15.8	54.1	12.2	45.1	9.12	36.1	6.53	27.1	4.43
37 °C		92.9	92.9	28.5	83.6	23.6	74.3	19.2	65.0	15.3	55.7	11.8	46.4	8.85	37.2	6.33	27.9	4.29
35 °C		95.4	95.4	27.6	85.9	22.9	76.3	18.6	66.8	14.8	57.2	11.5	47.7	8.57	38.2	6.13	28.6	4.16
33 °C		95.4	95.4	25.6	85.9	21.2	76.3	17.3	66.8	13.8	57.2	10.7	47.7	7.99	38.2	5.73	28.6	3.90
31 °C		95.4	95.4	23.8	85.9	19.7	76.3	16.1	66.8	12.8	57.2	9.95	47.7	7.46	38.2	5.37	28.6	3.67
30 °C		95.4	95.4	22.9	85.9	19.0	76.3	15.5	66.8	12.4	57.2	9.61	47.7	7.22	38.2	5.20	28.6	3.56
29 °C		95.4	95.4	22.1	85.9	18.4	76.3	15.0	66.8	12.0	57.2	9.30	47.7	6.99	38.2	5.04	28.6	3.45
27 °C		95.4	95.4	20.7	85.9	17.2	76.3	14.0	66.8	11.2	57.2	8.70	47.7	6.55	38.2	4.73	28.6	3.26
25 °C		95.4	95.4	19.3	85.9	16.1	76.3	13.1	66.8	10.5	57.2	8.15	47.7	6.15	38.2	4.45	28.6	3.07
23 °C		95.4	95.4	18.5	85.9	15.4	76.3	12.5	66.8	10.0	57.2	7.81	47.7	5.90	38.2	4.28	28.6	2.96
21 °C		95.4	95.4	18.1	85.9	15.0	76.3	12.3	66.8	9.84	57.2	7.67	47.7	5.79	38.2	4.21	28.6	2.91
20 °C		95.4	95.4	17.9	85.9	14.9	76.3	12.2	66.8	9.75	57.2	7.60	47.7	5.75	38.2	4.18	28.6	2.90
19 °C		95.4	95.4	17.8	85.9	14.8	76.3	12.1	66.8	9.67	57.2	7.54	47.7	5.70	38.2	4.15	28.6	2.88
17 °C		95.4	95.4	17.5	85.9	14.5	76.3	11.9	66.8	9.52	57.2	7.44	47.7	5.63	38.2	4.10	28.6	2.85
15 °C		95.4	95.4	17.2	85.9	14.3	76.3	11.7	66.8	9.40	57.2	7.34	47.7	5.56	38.2	4.05	28.6	2.82

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

Heating

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit Wet-Bulb (°C)	Outdoor Unit 100% Heating Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
				100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
				TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)
15.0	13.7	106.0	106.0	22.1	95.4	18.8	84.8	15.8	74.2	13.1	63.6	10.7	53.0	8.64	42.4	6.85	31.8	5.36	
13.0	11.8	106.0	106.0	23.0	95.4	19.5	84.8	16.4	74.2	13.6	63.6	11.1	53.0	8.88	42.4	7.01	31.8	5.45	
11.0	9.8	106.0	106.0	24.0	95.4	20.3	84.8	17.0	74.2	14.1	63.6	11.4	53.0	9.15	42.4	7.18	31.8	5.55	
9.0	7.9	106.0	106.0	25.0	95.4	21.2	84.8	17.7	74.2	14.6	63.6	11.8	53.0	9.43	42.4	7.37	31.8	5.66	
7.0	6.0	106.0	106.0	26.1	95.4	22.1	84.8	18.4	74.2	15.2	63.6	12.3	53.0	9.73	42.4	7.57	31.8	5.78	
5.0	4.1	102.4	102.4	25.9	92.2	21.9	81.9	18.3	71.7	15.1	61.4	12.2	51.2	9.66	41.0	7.52	30.7	5.74	
3.0	2.2	98.8	98.8	25.7	88.9	21.8	79.1	18.2	69.2	15.0	59.3	12.1	49.4	9.60	39.5	7.47	29.6	5.70	
0.0	-0.7	93.3	93.3	25.5	84.0	21.6	74.7	18.0	65.3	14.8	56.0	12.0	46.7	9.50	37.3	7.39	28.0	5.65	
-3.0	-3.7	87.7	87.7	25.2	78.9	21.3	70.1	17.8	61.4	14.6	52.6	11.8	43.8	9.40	35.1	7.31	26.3	5.59	
-5.0	-5.6	84.1	84.1	25.0	75.7	21.2	67.3	17.7	58.9	14.5	50.4	11.8	42.0	9.33	33.6	7.26	25.2	5.55	
-7.0	-7.6	80.3	80.3	24.9	72.3	21.0	64.2	17.6	56.2	14.4	48.2	11.7	40.1	9.27	32.1	7.21	24.1	5.51	
-10	-10.5	74.8	74.8	24.6	67.3	20.8	59.8	17.4	52.4	14.3	44.9	11.6	37.4	9.17	29.9	7.13	22.4	5.45	
-14.5	-15.0	66.3	66.3	24.2	59.7	20.5	53.0	17.1	46.4	14.1	39.8	11.4	33.2	9.02	26.5	7.02	19.9	5.36	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 20.0°C dry-bulb



MMY-AP3616HT5P (36HP, 101.0kW system)

Cooling

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit 100% Cooling Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
			100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
			TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)
40 °C		94.0	94.0	33.9	84.6	27.8	75.2	22.3	65.8	17.4	56.4	13.2	47.0	9.71	37.6	6.84	28.2	4.64
39 °C		95.5	95.5	33.4	85.9	27.3	76.4	21.9	66.8	17.2	57.3	13.0	47.7	9.56	38.2	6.74	28.6	4.57
37 °C		98.3	98.3	32.4	88.5	26.5	78.7	21.3	68.8	16.6	59.0	12.6	49.2	9.27	39.3	6.54	29.5	4.43
35 °C		101.0	101.0	31.5	90.9	25.7	80.8	20.6	70.7	16.1	60.6	12.2	50.5	8.98	40.4	6.33	30.3	4.29
33 °C		101.0	101.0	29.0	90.9	23.8	80.8	19.1	70.7	14.9	60.6	11.4	50.5	8.36	40.4	5.91	30.3	4.03
31 °C		101.0	101.0	26.9	90.9	22.0	80.8	17.7	70.7	13.9	60.6	10.6	50.5	7.79	40.4	5.53	30.3	3.80
30 °C		101.0	101.0	25.9	90.9	21.2	80.8	17.1	70.7	13.4	60.6	10.2	50.5	7.53	40.4	5.36	30.3	3.69
29 °C		101.0	101.0	25.0	90.9	20.5	80.8	16.5	70.7	12.9	60.6	9.86	50.5	7.28	40.4	5.19	30.3	3.58
27 °C		101.0	101.0	23.3	90.9	19.1	80.8	15.4	70.7	12.1	60.6	9.21	50.5	6.82	40.4	4.87	30.3	3.38
25 °C		101.0	101.0	21.7	90.9	17.8	80.8	14.3	70.7	11.3	60.6	8.62	50.5	6.39	40.4	4.58	30.3	3.19
23 °C		101.0	101.0	20.7	90.9	17.0	80.8	13.7	70.7	10.8	60.6	8.25	50.5	6.13	40.4	4.40	30.3	3.07
21 °C		101.0	101.0	20.3	90.9	16.6	80.8	13.4	70.7	10.55	60.6	8.09	50.5	6.01	40.4	4.33	30.3	3.03
20 °C		101.0	101.0	20.1	90.9	16.5	80.8	13.3	70.7	10.45	60.6	8.01	50.5	5.96	40.4	4.30	30.3	3.02
19 °C		101.0	101.0	19.9	90.9	16.3	80.8	13.1	70.7	10.36	60.6	7.95	50.5	5.92	40.4	4.27	30.3	3.00
17 °C		101.0	101.0	19.5	90.9	16.0	80.8	12.9	70.7	10.19	60.6	7.83	50.5	5.83	40.4	4.21	30.3	2.97
15 °C		101.0	101.0	19.2	90.9	15.8	80.8	12.7	70.7	10.05	60.6	7.72	50.5	5.76	40.4	4.17	30.3	2.95

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

Heating

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit Wet-Bulb (°C)	Outdoor Unit 100% Heating Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
				100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
				TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)
15.0	13.7	113.0	113.0	24.6	101.7	20.9	90.4	17.6	79.1	14.6	67.8	11.9	56.5	9.50	45.2	7.44	33.9	5.71	
13.0	11.8	113.0	113.0	25.6	101.7	21.7	90.4	18.2	79.1	15.1	67.8	12.3	56.5	9.77	45.2	7.62	33.9	5.82	
11.0	9.8	113.0	113.0	26.7	101.7	22.6	90.4	19.0	79.1	15.6	67.8	12.7	56.5	10.1	45.2	7.83	33.9	5.94	
9.0	7.9	113.0	113.0	27.8	101.7	23.5	90.4	19.7	79.1	16.2	67.8	13.1	56.5	10.4	45.2	8.04	33.9	6.07	
7.0	6.0	113.0	113.0	29.0	101.7	24.5	90.4	20.5	79.1	16.8	67.8	13.6	56.5	10.7	45.2	8.27	33.9	6.21	
5.0	4.1	109.0	109.0	28.8	98.1	24.4	87.2	20.3	76.3	16.7	65.4	13.5	54.5	10.7	43.6	8.21	32.7	6.16	
3.0	2.2	104.9	104.9	28.6	94.4	24.2	83.9	20.2	73.4	16.6	62.9	13.4	52.5	10.6	42.0	8.15	31.5	6.12	
0.0	-0.7	98.7	98.7	28.2	88.9	23.9	79.0	20.0	69.1	16.4	59.2	13.2	49.4	10.4	39.5	8.05	29.6	6.04	
-3.0	-3.7	92.3	92.3	27.9	83.1	23.6	73.9	19.7	64.6	16.2	55.4	13.1	46.2	10.3	36.9	7.95	27.7	5.97	
-5.0	-5.6	88.3	88.3	27.6	79.5	23.4	70.6	19.5	61.8	16.1	53.0	13.0	44.1	10.2	35.3	7.89	26.5	5.92	
-7.0	-7.6	84.0	84.0	27.4	75.6	23.2	67.2	19.4	58.8	15.9	50.4	12.9	42.0	10.2	33.6	7.82	25.2	5.87	
-10	-10.5	77.9	77.9	27.1	70.1	22.9	62.3	19.1	54.5	15.7	46.7	12.7	38.9	10.0	31.1	7.73	23.4	5.80	
-14.5	-15.0	68.3	68.3	26.6	61.4	22.5	54.6	18.8	47.8	15.4	41.0	12.5	34.1	9.83	27.3	7.58	20.5	5.69	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 20.0°C dry-bulb



MMY-AP3816HT5P (38HP, 106.4kW system)

Cooling

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit 100% Cooling Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
			100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C		99.0	99.0	34.3	89.1	28.3	79.2	22.9	69.3	18.1	59.4	13.9	49.5	10.3	39.6	7.41	29.7	5.10
39 °C		100.6	100.6	33.8	90.5	27.9	80.5	22.5	70.4	17.8	60.4	13.7	50.3	10.2	40.2	7.30	30.2	5.02
37 °C		103.6	103.6	32.8	93.2	27.0	82.9	21.9	72.5	17.3	62.2	13.3	51.8	9.88	41.4	7.08	31.1	4.87
35 °C		106.4	106.4	31.9	95.8	26.2	85.1	21.2	74.5	16.7	63.8	12.9	53.2	9.57	42.6	6.86	31.9	4.72
33 °C		106.4	106.4	29.4	95.8	24.3	85.1	19.6	74.5	15.5	63.8	12.0	53.2	8.92	42.6	6.41	31.9	4.43
31 °C		106.4	106.4	27.3	95.8	22.5	85.1	18.2	74.5	14.5	63.8	11.1	53.2	8.33	42.6	6.01	31.9	4.18
30 °C		106.4	106.4	26.3	95.8	21.7	85.1	17.6	74.5	14.0	63.8	10.8	53.2	8.06	42.6	5.82	31.9	4.06
29 °C		106.4	106.4	25.4	95.8	21.0	85.1	17.0	74.5	13.5	63.8	10.4	53.2	7.80	42.6	5.64	31.9	3.94
27 °C		106.4	106.4	23.7	95.8	19.6	85.1	15.9	74.5	12.6	63.8	9.74	53.2	7.31	42.6	5.30	31.9	3.72
25 °C		106.4	106.4	22.1	95.8	18.3	85.1	14.8	74.5	11.8	63.8	9.13	53.2	6.86	42.6	4.99	31.9	3.51
23 °C		106.4	106.4	21.1	95.8	17.5	85.1	14.2	74.5	11.3	63.8	8.74	53.2	6.58	42.6	4.80	31.9	3.39
21 °C		106.4	106.4	20.7	95.8	17.1	85.1	13.9	74.5	11.1	63.8	8.58	53.2	6.47	42.6	4.72	31.9	3.35
20 °C		106.4	106.4	20.5	95.8	17.0	85.1	13.8	74.5	11.0	63.8	8.50	53.2	6.42	42.6	4.69	31.9	3.33
19 °C		106.4	106.4	20.3	95.8	16.8	85.1	13.7	74.5	10.9	63.8	8.44	53.2	6.37	42.6	4.66	31.9	3.31
17 °C		106.4	106.4	20.0	95.8	16.5	85.1	13.4	74.5	10.7	63.8	8.31	53.2	6.28	42.6	4.60	31.9	3.28
15 °C		106.4	106.4	19.7	95.8	16.3	85.1	13.3	74.5	10.6	63.8	8.21	53.2	6.21	42.6	4.56	31.9	3.25

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

Heating

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit Wet-Bulb (°C)	Outdoor Unit 100% Heating Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
				100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
				TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
				(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
15.0	13.7	119.0	119.0	25.8	107.1	22.1	95.2	18.7	83.3	15.5	71.4	12.7	59.5	10.1	47.6	7.81	35.7	5.78	
13.0	11.8	119.0	119.0	26.7	107.1	22.9	95.2	19.3	83.3	16.1	71.4	13.1	59.5	10.4	47.6	8.02	35.7	5.92	
11.0	9.8	119.0	119.0	27.8	107.1	23.8	95.2	20.1	83.3	16.7	71.4	13.5	59.5	10.8	47.6	8.26	35.7	6.07	
9.0	7.9	119.0	119.0	28.9	107.1	24.7	95.2	20.8	83.3	17.3	71.4	14.0	59.5	11.1	47.6	8.50	35.7	6.23	
7.0	6.0	119.0	119.0	30.1	107.1	25.7	95.2	21.6	83.3	17.9	71.4	14.5	59.5	11.5	47.6	8.76	35.7	6.39	
5.0	4.1	114.9	114.9	29.9	103.4	25.5	92.0	21.5	80.5	17.8	69.0	14.4	57.5	11.4	46.0	8.70	34.5	6.35	
3.0	2.2	110.9	110.9	29.7	99.8	25.3	88.7	21.3	77.6	17.7	66.5	14.3	55.4	11.3	44.4	8.64	33.3	6.31	
0.0	-0.7	104.7	104.7	29.4	94.2	25.1	83.8	21.1	73.3	17.5	62.8	14.2	52.3	11.2	41.9	8.55	31.4	6.24	
-3.0	-3.7	98.3	98.3	29.1	88.5	24.8	78.6	20.9	68.8	17.3	59.0	14.0	49.1	11.1	39.3	8.46	29.5	6.17	
-5.0	-5.6	94.2	94.2	28.9	84.8	24.6	75.4	20.7	66.0	17.2	56.5	13.9	47.1	11.0	37.7	8.40	28.3	6.13	
-7.0	-7.6	90.0	90.0	28.6	81.0	24.4	72.0	20.6	63.0	17.0	54.0	13.8	45.0	10.9	36.0	8.34	27.0	6.09	
-10	-10.5	83.8	83.8	28.3	75.4	24.2	67.0	20.4	58.6	16.9	50.3	13.7	41.9	10.8	33.5	8.25	25.1	6.02	
-14.5	-15.0	74.2	74.2	27.8	66.7	23.8	59.3	20.0	51.9	16.6	44.5	13.4	37.1	10.6	29.7	8.11	22.2	5.92	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 20.0°C dry-bulb



MMY-AP4016HT5P (40HP, 112kW system)

Cooling

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit 100% Cooling Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
			100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	104.2	104.2	38.5	93.8	31.3	83.4	25.0	73.0	19.5	62.5	14.8	52.1	10.8	41.7	7.62	31.3	5.24	
39 °C	105.9	105.9	37.9	95.3	30.9	84.7	24.7	74.1	19.2	63.5	14.5	52.9	10.6	42.4	7.51	31.8	5.16	
37 °C	109.1	109.1	36.7	98.2	29.9	87.2	23.9	76.3	18.6	65.4	14.1	54.5	10.3	43.6	7.28	32.7	5.01	
35 °C	112.0	112.0	35.8	100.8	29.0	89.6	23.2	78.4	18.0	67.2	13.7	56.0	9.99	44.8	7.05	33.6	4.85	
33 °C	112.0	112.0	32.9	100.8	26.8	89.6	21.4	78.4	16.7	67.2	12.7	56.0	9.29	44.8	6.59	33.6	4.57	
31 °C	112.0	112.0	30.4	100.8	24.8	89.6	19.9	78.4	15.5	67.2	11.8	56.0	8.66	44.8	6.17	33.6	4.31	
30 °C	112.0	112.0	29.3	100.8	23.9	89.6	19.2	78.4	15.0	67.2	11.4	56.0	8.37	44.8	5.98	33.6	4.18	
29 °C	112.0	112.0	28.3	100.8	23.1	89.6	18.5	78.4	14.4	67.2	11.0	56.0	8.10	44.8	5.79	33.6	4.07	
27 °C	112.0	112.0	26.3	100.8	21.5	89.6	17.2	78.4	13.5	67.2	10.3	56.0	7.58	44.8	5.44	33.6	3.84	
25 °C	112.0	112.0	24.5	100.8	20.1	89.6	16.1	78.4	12.6	67.2	9.59	56.0	7.11	44.8	5.12	33.6	3.63	
23 °C	112.0	112.0	23.4	100.8	19.1	89.6	15.3	78.4	12.0	67.2	9.18	56.0	6.81	44.8	4.92	33.6	3.51	
21 °C	112.0	112.0	22.9	100.8	18.7	89.6	15.0	78.4	11.8	67.2	9.00	56.0	6.69	44.8	4.84	33.6	3.47	
20 °C	112.0	112.0	22.6	100.8	18.5	89.6	14.9	78.4	11.7	67.2	8.91	56.0	6.63	44.8	4.81	33.6	3.45	
19 °C	112.0	112.0	22.4	100.8	18.3	89.6	14.7	78.4	11.6	67.2	8.84	56.0	6.58	44.8	4.78	33.6	3.43	
17 °C	112.0	112.0	22.0	100.8	18.0	89.6	14.5	78.4	11.4	67.2	8.70	56.0	6.49	44.8	4.72	33.6	3.40	
15 °C	112.0	112.0	21.7	100.8	17.8	89.6	14.3	78.4	11.2	67.2	8.59	56.0	6.41	44.8	4.67	33.6	3.37	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

Heating

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit Wet-Bulb (°C)	Outdoor Unit 100% Heating Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
				100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
				TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
				(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
15.0	13.7	126.0	126.0	28.2	113.4	24.2	100.8	20.4	88.2	17.0	75.6	13.8	63.0	11.0	50.4	8.40	37.8	6.13	
13.0	11.8	126.0	126.0	29.3	113.4	25.1	100.8	21.2	88.2	17.6	75.6	14.3	63.0	11.3	50.4	8.64	37.8	6.29	
11.0	9.8	126.0	126.0	30.5	113.4	26.1	100.8	22.0	88.2	18.2	75.6	14.8	63.0	11.7	50.4	8.91	37.8	6.46	
9.0	7.9	126.0	126.0	31.7	113.4	27.1	100.8	22.8	88.2	18.9	75.6	15.3	63.0	12.1	50.4	9.18	37.8	6.63	
7.0	6.0	126.0	126.0	33.0	113.4	28.2	100.8	23.7	88.2	19.6	75.6	15.9	63.0	12.5	50.4	9.47	37.8	6.82	
5.0	4.1	121.5	121.5	32.7	109.3	27.9	97.2	23.5	85.0	19.4	72.9	15.7	60.7	12.4	48.6	9.40	36.4	6.77	
3.0	2.2	117.0	117.0	32.5	105.3	27.7	93.6	23.3	81.9	19.3	70.2	15.6	58.5	12.3	46.8	9.32	35.1	6.72	
0.0	-0.7	110.1	110.1	32.1	99.1	27.4	88.1	23.1	77.1	19.1	66.1	15.4	55.0	12.1	44.0	9.21	33.0	6.64	
-3.0	-3.7	103.0	103.0	31.7	92.7	27.1	82.4	22.8	72.1	18.8	61.8	15.2	51.5	12.0	41.2	9.10	30.9	6.56	
-5.0	-5.6	98.5	98.5	31.5	88.6	26.9	78.8	22.6	68.9	18.7	59.1	15.1	49.2	11.9	39.4	9.03	29.5	6.51	
-7.0	-7.6	93.7	93.7	31.2	84.3	26.6	75.0	22.4	65.6	18.5	56.2	15.0	46.9	11.8	37.5	8.95	28.1	6.45	
-10	-10.5	86.8	86.8	30.8	78.1	26.3	69.5	22.1	60.8	18.3	52.1	14.8	43.4	11.7	34.7	8.84	26.0	6.37	
-14.5	-15.0	76.1	76.1	30.2	68.5	25.8	60.9	21.7	53.3	17.9	45.7	14.5	38.1	11.4	30.5	8.67	22.8	6.25	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 20.0°C dry-bulb

MMY-AP4216HT5P (42HP, 118.5kW system)

Cooling

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit 100% Cooling Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
			100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C		110.3	37.3	99.2	30.7	88.2	24.9	77.2	19.6	66.2	15.1	55.1	11.2	44.1	7.96	33.1	5.39	
39 °C		112.0	36.7	100.8	30.3	89.6	24.5	78.4	19.4	67.2	14.9	56.0	11.0	44.8	7.84	33.6	5.31	
37 °C		115.4	35.6	103.9	29.4	92.3	23.8	80.8	18.8	69.2	14.4	57.7	10.7	46.2	7.61	34.6	5.15	
35 °C		118.5	34.5	106.7	28.4	94.8	23.0	83.0	18.2	71.1	14.0	59.3	10.4	47.4	7.37	35.6	4.99	
33 °C		118.5	31.9	106.7	26.4	94.8	21.3	83.0	16.9	71.1	13.0	59.3	9.65	47.4	6.88	35.6	4.69	
31 °C		118.5	29.7	106.7	24.5	94.8	19.8	83.0	15.7	71.1	12.1	59.3	9.01	47.4	6.45	35.6	4.41	
30 °C		118.5	28.6	106.7	23.6	94.8	19.1	83.0	15.2	71.1	11.7	59.3	8.71	47.4	6.24	35.6	4.28	
29 °C		118.5	27.6	106.7	22.8	94.8	18.5	83.0	14.6	71.1	11.3	59.3	8.43	47.4	6.05	35.6	4.15	
27 °C		118.5	25.7	106.7	21.3	94.8	17.3	83.0	13.7	71.1	10.6	59.3	7.90	47.4	5.68	35.6	3.91	
25 °C		118.5	24.0	106.7	19.9	94.8	16.1	83.0	12.8	71.1	9.89	59.3	7.40	47.4	5.34	35.6	3.69	
23 °C		118.5	23.0	106.7	19.0	94.8	15.4	83.0	12.2	71.1	9.47	59.3	7.10	47.4	5.13	35.6	3.56	
21 °C		118.5	22.5	106.7	18.6	94.8	15.1	83.0	12.0	71.1	9.29	59.3	6.97	47.4	5.05	35.6	3.51	
20 °C		118.5	22.3	106.7	18.4	94.8	15.0	83.0	11.9	71.1	9.21	59.3	6.92	47.4	5.01	35.6	3.49	
19 °C		118.5	22.1	106.7	18.3	94.8	14.8	83.0	11.8	71.1	9.14	59.3	6.86	47.4	4.97	35.6	3.47	
17 °C		118.5	21.7	106.7	18.0	94.8	14.6	83.0	11.6	71.1	9.00	59.3	6.77	47.4	4.91	35.6	3.44	
15 °C		118.5	21.4	106.7	17.7	94.8	14.4	83.0	11.5	71.1	8.89	59.3	6.69	47.4	4.86	35.6	3.42	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

Heating

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit Wet-Bulb (°C)	Outdoor Unit 100% Heating Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
				100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
				TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
				(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
15.0	13.7	132.5	27.3	119.3	23.1	106.0	19.4	92.8	16.0	79.5	13.1	66.3	10.6	53.0	8.44	39.8	6.74		
13.0	11.8	132.5	28.4	119.3	24.0	106.0	20.1	92.8	16.6	79.5	13.5	66.3	10.8	53.0	8.62	39.8	6.84		
11.0	9.8	132.5	29.6	119.3	25.0	106.0	20.9	92.8	17.2	79.5	13.9	66.3	11.2	53.0	8.83	39.8	6.96		
9.0	7.9	132.5	30.9	119.3	26.1	106.0	21.7	92.8	17.8	79.5	14.4	66.3	11.5	53.0	9.04	39.8	7.08		
7.0	6.0	132.5	32.3	119.3	27.2	106.0	22.6	92.8	18.5	79.5	14.9	66.3	11.9	53.0	9.28	39.8	7.21		
5.0	4.1	127.9	32.1	115.1	27.0	102.3	22.5	89.5	18.4	76.7	14.8	64.0	11.8	51.2	9.21	38.4	7.16		
3.0	2.2	123.3	31.9	111.0	26.8	98.7	22.3	86.3	18.3	74.0	14.7	61.7	11.7	49.3	9.15	37.0	7.11		
0.0	-0.7	116.3	31.5	104.7	26.6	93.1	22.1	81.4	18.1	69.8	14.6	58.2	11.6	46.5	9.05	34.9	7.03		
-3.0	-3.7	109.1	31.2	98.2	26.3	87.3	21.8	76.4	17.9	65.5	14.4	54.6	11.4	43.6	8.95	32.7	6.95		
-5.0	-5.6	104.5	31.0	94.1	26.1	83.6	21.7	73.2	17.7	62.7	14.3	52.3	11.3	41.8	8.88	31.4	6.90		
-7.0	-7.6	99.7	30.7	89.7	25.9	79.8	21.5	69.8	17.6	59.8	14.2	49.9	11.3	39.9	8.81	29.9	6.85		
-10	-10.5	92.7	30.4	83.4	25.6	74.2	21.2	64.9	17.4	55.6	14.0	46.4	11.1	37.1	8.72	27.8	6.77		
-14.5	-15.0	81.9	29.8	73.7	25.1	65.5	20.9	57.3	17.1	49.1	13.8	40.9	10.9	32.7	8.56	24.6	6.65		

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 20.0°C dry-bulb



MMY-AP4416HT5P (44HP, 123.5kW system)

Cooling

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit 100% Cooling Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
			100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	114.9	114.9	39.5	103.4	32.6	91.9	26.3	80.4	20.7	69.0	15.9	57.5	11.7	46.0	8.27	34.5	5.54	
39 °C	116.8	116.8	39.0	105.1	32.1	93.4	25.9	81.7	20.4	70.1	15.6	58.4	11.5	46.7	8.15	35.0	5.46	
37 °C	120.3	120.3	37.8	108.2	31.1	96.2	25.1	84.2	19.8	72.2	15.2	60.1	11.2	48.1	7.90	36.1	5.29	
35 °C	123.5	123.5	36.6	111.2	30.1	98.8	24.3	86.5	19.2	74.1	14.7	61.8	10.8	49.4	7.65	37.1	5.12	
33 °C	123.5	123.5	33.9	111.2	27.9	98.8	22.5	86.5	17.8	74.1	13.6	61.8	10.1	49.4	7.14	37.1	4.81	
31 °C	123.5	123.5	31.4	111.2	25.9	98.8	20.9	86.5	16.5	74.1	12.7	61.8	9.41	49.4	6.68	37.1	4.52	
30 °C	123.5	123.5	30.3	111.2	25.0	98.8	20.2	86.5	16.0	74.1	12.3	61.8	9.10	49.4	6.47	37.1	4.38	
29 °C	123.5	123.5	29.3	111.2	24.1	98.8	19.5	86.5	15.4	74.1	11.9	61.8	8.80	49.4	6.27	37.1	4.25	
27 °C	123.5	123.5	27.3	111.2	22.5	98.8	18.2	86.5	14.4	74.1	11.1	61.8	8.24	49.4	5.88	37.1	4.01	
25 °C	123.5	123.5	25.5	111.2	21.0	98.8	17.0	86.5	13.5	74.1	10.4	61.8	7.72	49.4	5.53	37.1	3.78	
23 °C	123.5	123.5	24.3	111.2	20.1	98.8	16.3	86.5	12.9	74.1	9.93	61.8	7.40	49.4	5.31	37.1	3.64	
21 °C	123.5	123.5	23.8	111.2	19.7	98.8	15.9	86.5	12.6	74.1	9.74	61.8	7.27	49.4	5.22	37.1	3.59	
20 °C	123.5	123.5	23.6	111.2	19.5	98.8	15.8	86.5	12.5	74.1	9.65	61.8	7.21	49.4	5.18	37.1	3.56	
19 °C	123.5	123.5	23.4	111.2	19.3	98.8	15.6	86.5	12.4	74.1	9.57	61.8	7.15	49.4	5.14	37.1	3.54	
17 °C	123.5	123.5	23.0	111.2	19.0	98.8	15.4	86.5	12.2	74.1	9.43	61.8	7.05	49.4	5.08	37.1	3.51	
15 °C	123.5	123.5	22.6	111.2	18.7	98.8	15.2	86.5	12.0	74.1	9.31	61.8	6.97	49.4	5.02	37.1	3.49	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

Heating

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit Wet-Bulb (°C)	Outdoor Unit 100% Heating Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
				100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
				TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
				(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
15.0	13.7	137.5	137.5	28.8	123.8	24.4	110.0	20.0	96.3	16.9	82.5	13.8	68.8	11.1	55.0	8.83	41.3	7.03	
13.0	11.8	137.5	137.5	30.0	123.8	25.4	110.0	20.7	96.3	17.4	82.5	14.2	68.8	11.4	55.0	9.02	41.3	7.14	
11.0	9.8	137.5	137.5	31.4	123.8	26.5	110.0	21.6	96.3	18.1	82.5	14.7	68.8	11.7	55.0	9.24	41.3	7.26	
9.0	7.9	137.5	137.5	32.7	123.8	27.6	110.0	22.5	96.3	18.8	82.5	15.2	68.8	12.1	55.0	9.47	41.3	7.39	
7.0	6.0	137.5	137.5	34.2	123.8	28.8	110.0	23.4	96.3	19.5	82.5	15.7	68.8	12.5	55.0	9.72	41.3	7.53	
5.0	4.1	132.6	132.6	34.0	119.3	28.6	106.1	23.3	92.8	19.4	79.5	15.6	66.3	12.4	53.0	9.65	39.8	7.47	
3.0	2.2	127.6	127.6	33.7	114.9	28.4	102.1	23.1	89.4	19.2	76.6	15.5	63.8	12.3	51.1	9.57	38.3	7.41	
0.0	-0.7	120.1	120.1	33.3	108.1	28.0	96.1	22.9	84.1	19.0	72.1	15.3	60.1	12.1	48.1	9.46	36.0	7.32	
-3.0	-3.7	112.4	112.4	32.9	101.1	27.7	89.9	22.6	78.7	18.8	67.4	15.1	56.2	12.0	44.9	9.34	33.7	7.23	
-5.0	-5.6	107.4	107.4	32.6	96.7	27.5	85.9	22.5	75.2	18.6	64.5	15.0	53.7	11.9	43.0	9.27	32.2	7.18	
-7.0	-7.6	102.3	102.3	32.4	92.0	27.2	81.8	22.3	71.6	18.5	61.4	14.9	51.1	11.8	40.9	9.19	30.7	7.12	
-10	-10.5	94.7	94.7	32.0	85.3	26.9	75.8	22.1	66.3	18.3	56.8	14.7	47.4	11.6	37.9	9.08	28.4	7.03	
-14.5	-15.0	83.1	83.1	31.4	74.8	26.4	66.5	21.7	58.2	17.9	49.8	14.4	41.5	11.4	33.2	8.90	24.9	6.89	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 20.0°C dry-bulb



MMY-AP4616HT5P (46HP, 130kW system)

Cooling

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit 100% Cooling Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
			100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	121.0	121.0	41.8	108.9	34.4	96.8	27.8	84.7	21.9	72.6	16.8	60.5	12.4	48.4	8.78	36.3	5.90	
39 °C	122.9	122.9	41.2	110.6	33.9	98.3	27.4	86.0	21.6	73.8	16.5	61.5	12.2	49.2	8.65	36.9	5.82	
37 °C	126.6	126.6	39.9	113.9	32.9	101.3	26.6	88.6	20.9	76.0	16.0	63.3	11.9	50.6	8.39	38.0	5.64	
35 °C	130.0	130.0	38.7	117.0	31.9	104.0	25.7	91.0	20.3	78.0	15.5	65.0	11.5	52.0	8.13	39.0	5.46	
33 °C	130.0	130.0	35.8	117.0	29.5	104.0	23.8	91.0	18.8	78.0	14.4	65.0	10.7	52.0	7.59	39.0	5.13	
31 °C	130.0	130.0	33.2	117.0	27.4	104.0	22.2	91.0	17.5	78.0	13.4	65.0	9.98	52.0	7.10	39.0	4.82	
30 °C	130.0	130.0	32.1	117.0	26.4	104.0	21.4	91.0	16.9	78.0	13.0	65.0	9.65	52.0	6.88	39.0	4.68	
29 °C	130.0	130.0	30.9	117.0	25.5	104.0	20.6	91.0	16.3	78.0	12.6	65.0	9.33	52.0	6.66	39.0	4.54	
27 °C	130.0	130.0	28.8	117.0	23.8	104.0	19.3	91.0	15.2	78.0	11.7	65.0	8.74	52.0	6.25	39.0	4.28	
25 °C	130.0	130.0	26.9	117.0	22.2	104.0	18.0	91.0	14.3	78.0	11.0	65.0	8.20	52.0	5.88	39.0	4.03	
23 °C	130.0	130.0	25.7	117.0	21.2	104.0	17.2	91.0	13.6	78.0	10.5	65.0	7.86	52.0	5.64	39.0	3.88	
21 °C	130.0	130.0	25.2	117.0	20.8	104.0	16.9	91.0	13.4	78.0	10.3	65.0	7.71	52.0	5.55	39.0	3.83	
20 °C	130.0	130.0	24.9	117.0	20.6	104.0	16.7	91.0	13.2	78.0	10.2	65.0	7.65	52.0	5.51	39.0	3.80	
19 °C	130.0	130.0	24.7	117.0	20.4	104.0	16.6	91.0	13.1	78.0	10.1	65.0	7.59	52.0	5.47	39.0	3.78	
17 °C	130.0	130.0	24.3	117.0	20.1	104.0	16.3	91.0	12.9	78.0	10.0	65.0	7.48	52.0	5.40	39.0	3.74	
15 °C	130.0	130.0	23.9	117.0	19.8	104.0	16.1	91.0	12.8	78.0	9.87	65.0	7.39	52.0	5.34	39.0	3.71	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

Heating

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit 100% Heating Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
			100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
15.0	13.7	145.0	145.0	29.9	130.5	25.2	116.0	21.1	101.5	17.4	87.0	14.2	72.5	11.5	58.0	9.33	43.5	7.63
13.0	11.8	145.0	145.0	31.1	130.5	26.2	116.0	21.8	101.5	18.0	87.0	14.6	72.5	11.8	58.0	9.51	43.5	7.73
11.0	9.8	145.0	145.0	32.5	130.5	27.4	116.0	22.7	101.5	18.7	87.0	15.1	72.5	12.2	58.0	9.72	43.5	7.84
9.0	7.9	145.0	145.0	34.0	130.5	28.5	116.0	23.7	101.5	19.4	87.0	15.7	72.5	12.5	58.0	9.94	43.5	7.95
7.0	6.0	145.0	145.0	35.6	130.5	29.8	116.0	24.7	101.5	20.1	87.0	16.2	72.5	12.9	58.0	10.2	43.5	8.08
5.0	4.1	140.0	140.0	35.3	126.0	29.6	112.0	24.5	98.0	20.0	84.0	16.1	70.0	12.8	56.0	10.1	42.0	8.02
3.0	2.2	134.9	134.9	35.1	121.4	29.4	108.0	24.3	94.5	19.9	81.0	16.0	67.5	12.7	54.0	10.0	40.5	7.96
0.0	-0.7	127.3	127.3	34.7	114.5	29.1	101.8	24.1	89.1	19.6	76.4	15.8	63.6	12.6	50.9	9.93	38.2	7.88
-3.0	-3.7	119.3	119.3	34.3	107.4	28.8	95.5	23.8	83.5	19.4	71.6	15.6	59.7	12.4	47.7	9.81	35.8	7.79
-5.0	-5.6	114.3	114.3	34.1	102.9	28.6	91.4	23.6	80.0	19.3	68.6	15.5	57.1	12.3	45.7	9.74	34.3	7.73
-7.0	-7.6	109.0	109.0	33.8	98.1	28.3	87.2	23.4	76.3	19.1	65.4	15.4	54.5	12.2	43.6	9.67	32.7	7.67
-10	-10.5	101.3	101.3	33.4	91.2	28.0	81.1	23.2	70.9	18.9	60.8	15.2	50.7	12.1	40.5	9.56	30.4	7.59
-14.5	-15.0	89.4	89.4	32.8	80.5	27.5	71.5	22.8	62.6	18.6	53.7	15.0	44.7	11.9	35.8	9.39	26.8	7.45

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 20.0°C dry-bulb



MMY-AP4816HT5P (48HP, 135kW system)

Cooling

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit 100% Cooling Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
			100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	125.6	125.6	44.1	113.1	36.3	100.5	29.2	87.9	23.0	75.4	17.6	62.8	12.9	50.3	9.09	37.7	6.05	
39 °C	127.6	127.6	43.4	114.9	35.7	102.1	28.8	89.4	22.7	76.6	17.3	63.8	12.7	51.1	8.96	38.3	5.96	
37 °C	131.5	131.5	42.1	118.3	34.6	105.2	27.9	92.0	22.0	78.9	16.8	65.7	12.4	52.6	8.69	39.4	5.78	
35 °C	135.0	135.0	40.8	121.5	33.6	108.0	27.0	94.5	21.3	81.0	16.3	67.5	12.0	54.0	8.41	40.5	5.60	
33 °C	135.0	135.0	37.7	121.5	31.1	108.0	25.1	94.5	19.7	81.0	15.1	67.5	11.1	54.0	7.85	40.5	5.25	
31 °C	135.0	135.0	35.0	121.5	28.8	108.0	23.3	94.5	18.4	81.0	14.1	67.5	10.4	54.0	7.34	40.5	4.93	
30 °C	135.0	135.0	33.8	121.5	27.8	108.0	22.5	94.5	17.7	81.0	13.6	67.5	10.0	54.0	7.11	40.5	4.78	
29 °C	135.0	135.0	32.6	121.5	26.8	108.0	21.7	94.5	17.1	81.0	13.1	67.5	9.71	54.0	6.88	40.5	4.64	
27 °C	135.0	135.0	30.4	121.5	25.0	108.0	20.2	94.5	16.0	81.0	12.3	67.5	9.09	54.0	6.46	40.5	4.37	
25 °C	135.0	135.0	28.4	121.5	23.4	108.0	18.9	94.5	14.9	81.0	11.5	67.5	8.51	54.0	6.06	40.5	4.12	
23 °C	135.0	135.0	27.1	121.5	22.3	108.0	18.1	94.5	14.3	81.0	11.0	67.5	8.16	54.0	5.82	40.5	3.96	
21 °C	135.0	135.0	26.5	121.5	21.9	108.0	17.7	94.5	14.0	81.0	10.8	67.5	8.01	54.0	5.72	40.5	3.91	
20 °C	135.0	135.0	26.2	121.5	21.6	108.0	17.5	94.5	13.9	81.0	10.7	67.5	7.94	54.0	5.68	40.5	3.88	
19 °C	135.0	135.0	26.0	121.5	21.4	108.0	17.4	94.5	13.7	81.0	10.6	67.5	7.88	54.0	5.64	40.5	3.86	
17 °C	135.0	135.0	25.6	121.5	21.1	108.0	17.1	94.5	13.5	81.0	10.4	67.5	7.77	54.0	5.56	40.5	3.81	
15 °C	135.0	135.0	25.2	121.5	20.8	108.0	16.8	94.5	13.3	81.0	10.3	67.5	7.67	54.0	5.50	40.5	3.78	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

Heating

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit Wet-Bulb (°C)	Outdoor Unit 100% Heating Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
				100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
				TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
				(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
15.0	13.7	150.0	150.0	31.4	135.0	26.5	120.0	22.1	105.0	18.2	90.0	14.9	75.0	12.0	60.0	9.72	45.0	7.92	
13.0	11.8	150.0	150.0	32.8	135.0	27.6	120.0	23.0	105.0	18.9	90.0	15.3	75.0	12.4	60.0	9.91	45.0	8.02	
11.0	9.8	150.0	150.0	34.3	135.0	28.8	120.0	23.9	105.0	19.6	90.0	15.9	75.0	12.7	60.0	10.1	45.0	8.14	
9.0	7.9	150.0	150.0	35.8	135.0	30.0	120.0	24.9	105.0	20.3	90.0	16.4	75.0	13.1	60.0	10.4	45.0	8.26	
7.0	6.0	150.0	150.0	37.5	135.0	31.4	120.0	26.0	105.0	21.2	90.0	17.0	75.0	13.5	60.0	10.6	45.0	8.40	
5.0	4.1	144.6	144.6	37.2	130.2	31.2	115.7	25.8	101.2	21.0	86.8	16.9	72.3	13.4	57.9	10.5	43.4	8.33	
3.0	2.2	139.3	139.3	36.9	125.3	30.9	111.4	25.6	97.5	20.8	83.6	16.7	69.6	13.3	55.7	10.5	41.8	8.27	
0.0	-0.7	131.1	131.1	36.5	118.0	30.6	104.8	25.3	91.7	20.6	78.6	16.5	65.5	13.1	52.4	10.3	39.3	8.17	
-3.0	-3.7	122.6	122.6	36.0	110.3	30.2	98.1	25.0	85.8	20.3	73.5	16.3	61.3	13.0	49.0	10.2	36.8	8.07	
-5.0	-5.6	117.2	117.2	35.8	105.5	29.9	93.8	24.8	82.0	20.2	70.3	16.2	58.6	12.9	46.9	10.1	35.2	8.01	
-7.0	-7.6	111.6	111.6	35.5	100.4	29.7	89.2	24.5	78.1	20.0	66.9	16.1	55.8	12.8	44.6	10.0	33.5	7.94	
-10	-10.5	103.4	103.4	35.0	93.0	29.3	82.7	24.2	72.3	19.8	62.0	15.9	51.7	12.6	41.3	9.92	31.0	7.84	
-14.5	-15.0	90.6	90.6	34.3	81.6	28.8	72.5	23.8	63.4	19.4	54.4	15.6	45.3	12.4	36.3	9.73	27.2	7.69	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 20.0°C dry-bulb



MMY-AP5016HT5P (50HP, 140.4kW system)

Cooling

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit 100% Cooling Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
			100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
			TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)
40 °C		130.7	44.5	117.6	36.8	104.5	29.9	91.5	23.7	78.4	18.2	65.3	13.6	52.3	9.66	39.2	6.51	
39 °C		132.8	43.8	119.5	36.3	106.2	29.4	92.9	23.3	79.7	18.0	66.4	13.4	53.1	9.52	39.8	6.41	
37 °C		136.7	42.5	123.0	35.2	109.4	28.5	95.7	22.6	82.0	17.4	68.4	13.0	54.7	9.23	41.0	6.22	
35 °C		140.4	41.2	126.4	34.1	112.3	27.6	98.3	21.9	84.2	16.9	70.2	12.6	56.2	8.94	42.1	6.02	
33 °C		140.4	38.1	126.4	31.6	112.3	25.6	98.3	20.3	84.2	15.7	70.2	11.7	56.2	8.35	42.1	5.65	
31 °C		140.4	35.4	126.4	29.3	112.3	23.8	98.3	18.9	84.2	14.6	70.2	10.9	56.2	7.82	42.1	5.31	
30 °C		140.4	34.2	126.4	28.3	112.3	23.0	98.3	18.3	84.2	14.1	70.2	10.6	56.2	7.57	42.1	5.15	
29 °C		140.4	33.0	126.4	27.3	112.3	22.2	98.3	17.7	84.2	13.7	70.2	10.2	56.2	7.33	42.1	5.00	
27 °C		140.4	30.8	126.4	25.5	112.3	20.8	98.3	16.5	84.2	12.8	70.2	9.58	56.2	6.89	42.1	4.71	
25 °C		140.4	28.8	126.4	23.8	112.3	19.4	98.3	15.5	84.2	12.0	70.2	8.98	56.2	6.47	42.1	4.44	
23 °C		140.4	27.5	126.4	22.8	112.3	18.6	98.3	14.8	84.2	11.5	70.2	8.62	56.2	6.22	42.1	4.28	
21 °C		140.4	26.9	126.4	22.3	112.3	18.2	98.3	14.5	84.2	11.3	70.2	8.46	56.2	6.12	42.1	4.22	
20 °C		140.4	26.7	126.4	22.1	112.3	18.0	98.3	14.4	84.2	11.2	70.2	8.39	56.2	6.07	42.1	4.19	
19 °C		140.4	26.4	126.4	21.9	112.3	17.9	98.3	14.2	84.2	11.1	70.2	8.33	56.2	6.03	42.1	4.16	
17 °C		140.4	26.0	126.4	21.6	112.3	17.6	98.3	14.0	84.2	10.9	70.2	8.22	56.2	5.95	42.1	4.12	
15 °C		140.4	25.6	126.4	21.3	112.3	17.4	98.3	13.8	84.2	10.8	70.2	8.12	56.2	5.89	42.1	4.08	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

Heating

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit Wet-Bulb (°C)	Outdoor Unit 100% Heating Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
				100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
				TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)
15.0	13.7	156.0	32.6	140.4	27.7	124.8	23.2	109.2	19.2	93.6	15.7	78.0	12.7	62.4	10.1	46.8	8.00		
13.0	11.8	156.0	33.9	140.4	28.7	124.8	24.0	109.2	19.9	93.6	16.2	78.0	13.0	62.4	10.3	46.8	8.12		
11.0	9.8	156.0	35.4	140.4	29.9	124.8	25.0	109.2	20.6	93.6	16.7	78.0	13.4	62.4	10.6	46.8	8.27		
9.0	7.9	156.0	36.9	140.4	31.2	124.8	26.0	109.2	21.4	93.6	17.3	78.0	13.8	62.4	10.8	46.8	8.42		
7.0	6.0	156.0	38.6	140.4	32.5	124.8	27.1	109.2	22.2	93.6	17.9	78.0	14.2	62.4	11.1	46.8	8.58		
5.0	4.1	150.6	38.3	135.6	32.3	120.5	26.9	105.4	22.1	90.4	17.8	75.3	14.1	60.2	11.0	45.2	8.52		
3.0	2.2	145.2	38.1	130.7	32.1	116.2	26.7	101.7	21.9	87.1	17.7	72.6	14.0	58.1	11.0	43.6	8.46		
0.0	-0.7	137.0	37.6	123.3	31.7	109.6	26.4	95.9	21.7	82.2	17.5	68.5	13.9	54.8	10.8	41.1	8.37		
-3.0	-3.7	128.5	37.2	115.7	31.4	102.8	26.1	90.0	21.4	77.1	17.3	64.3	13.7	51.4	10.7	38.6	8.28		
-5.0	-5.6	123.1	37.0	110.8	31.2	98.5	25.9	86.2	21.3	73.9	17.2	61.6	13.6	49.3	10.6	36.9	8.22		
-7.0	-7.6	117.5	36.7	105.7	30.9	94.0	25.7	82.2	21.1	70.5	17.0	58.7	13.5	47.0	10.6	35.2	8.15		
-10	-10.5	109.3	36.3	98.3	30.6	87.4	25.5	76.5	20.9	65.6	16.8	54.6	13.4	43.7	10.4	32.8	8.06		
-14.5	-15.0	96.5	35.6	86.9	30.1	77.2	25.0	67.6	20.5	57.9	16.6	48.3	13.1	38.6	10.3	29.0	7.92		

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 20.0°C dry-bulb



MMY-AP5216HT5P (52HP, 146.0kW system)

Cooling

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit 100% Cooling Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
			100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
			TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)
40 °C		135.9	48.6	122.3	39.8	108.7	32.0	95.1	25.1	81.5	19.1	67.9	14.0	54.3	9.87	40.8	6.65	
39 °C		138.0	47.9	124.2	39.3	110.4	31.5	96.6	24.7	82.8	18.8	69.0	13.8	55.2	9.73	41.4	6.55	
37 °C		142.2	46.4	128.0	38.1	113.7	30.6	99.5	24.0	85.3	18.2	71.1	13.4	56.9	9.43	42.7	6.36	
35 °C		146.0	45.1	131.4	36.9	116.8	29.6	102.2	23.2	87.6	17.7	73.0	13.0	58.4	9.14	43.8	6.16	
33 °C		146.0	41.6	131.4	34.1	116.8	27.4	102.2	21.5	87.6	16.4	73.0	12.1	58.4	8.53	43.8	5.78	
31 °C		146.0	38.6	131.4	31.6	116.8	25.5	102.2	20.0	87.6	15.3	73.0	11.3	58.4	7.98	43.8	5.44	
30 °C		146.0	37.2	131.4	30.5	116.8	24.5	102.2	19.3	87.6	14.7	73.0	10.9	58.4	7.73	43.8	5.28	
29 °C		146.0	35.9	131.4	29.4	116.8	23.7	102.2	18.6	87.6	14.2	73.0	10.5	58.4	7.48	43.8	5.13	
27 °C		146.0	33.4	131.4	27.4	116.8	22.1	102.2	17.4	87.6	13.3	73.0	9.8	58.4	7.03	43.8	4.83	
25 °C		146.0	31.2	131.4	25.6	116.8	20.6	102.2	16.2	87.6	12.4	73.0	9.23	58.4	6.60	43.8	4.56	
23 °C		146.0	29.8	131.4	24.5	116.8	19.7	102.2	15.5	87.6	11.9	73.0	8.85	58.4	6.34	43.8	4.40	
21 °C		146.0	29.1	131.4	23.9	116.8	19.3	102.2	15.2	87.6	11.7	73.0	8.68	58.4	6.24	43.8	4.34	
20 °C		146.0	28.8	131.4	23.7	116.8	19.1	102.2	15.1	87.6	11.6	73.0	8.61	58.4	6.19	43.8	4.31	
19 °C		146.0	28.5	131.4	23.5	116.8	18.9	102.2	14.9	87.6	11.5	73.0	8.54	58.4	6.15	43.8	4.29	
17 °C		146.0	28.1	131.4	23.1	116.8	18.6	102.2	14.7	87.6	11.3	73.0	8.42	58.4	6.07	43.8	4.24	
15 °C		146.0	27.6	131.4	22.7	116.8	18.4	102.2	14.5	87.6	11.2	73.0	8.32	58.4	6.00	43.8	4.21	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

Heating

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit Wet-Bulb (°C)	Outdoor Unit 100% Heating Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
				100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
				TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)
15.0	13.7	163.0	35.1	146.7	29.8	130.4	25.0	114.1	20.7	97.8	16.8	81.5	13.5	65.2	10.7	48.9	8.35		
13.0	11.8	163.0	36.5	146.7	30.9	130.4	25.9	114.1	21.4	97.8	17.4	81.5	13.9	65.2	10.9	48.9	8.49		
11.0	9.8	163.0	38.1	146.7	32.2	130.4	26.9	114.1	22.2	97.8	18.0	81.5	14.3	65.2	11.2	48.9	8.66		
9.0	7.9	163.0	39.7	146.7	33.6	130.4	28.0	114.1	23.0	97.8	18.6	81.5	14.8	65.2	11.5	48.9	8.82		
7.0	6.0	163.0	41.5	146.7	35.0	130.4	29.2	114.1	23.9	97.8	19.3	81.5	15.2	65.2	11.8	48.9	9.01		
5.0	4.1	157.2	41.2	141.4	34.8	125.7	28.9	110.0	23.7	94.3	19.1	78.6	15.1	62.9	11.7	47.1	8.94		
3.0	2.2	151.3	40.9	136.2	34.5	121.1	28.7	105.9	23.5	90.8	19.0	75.7	15.0	60.5	11.6	45.4	8.87		
0.0	-0.7	142.4	40.4	128.2	34.1	113.9	28.4	99.7	23.3	85.4	18.7	71.2	14.8	57.0	11.5	42.7	8.77		
-3.0	-3.7	133.2	39.9	119.9	33.7	106.6	28.0	93.2	23.0	79.9	18.5	66.6	14.6	53.3	11.4	40.0	8.66		
-5.0	-5.6	127.4	39.6	114.6	33.4	101.9	27.8	89.2	22.8	76.4	18.4	63.7	14.5	50.9	11.3	38.2	8.59		
-7.0	-7.6	121.2	39.2	109.1	33.1	97.0	27.6	84.9	22.6	72.7	18.2	60.6	14.4	48.5	11.2	36.4	8.52		
-10	-10.5	112.3	38.8	101.1	32.7	89.8	27.2	78.6	22.3	67.4	18.0	56.2	14.2	44.9	11.0	33.7	8.41		
-14.5	-15.0	98.5	38.0	88.6	32.1	78.8	26.7	68.9	21.9	59.1	17.6	49.2	14.0	39.4	10.8	29.5	8.25		

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 20.0°C dry-bulb



MMY-AP5416HT5P (54HP, 152.0kW system)

Cooling

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit 100% Cooling Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
			100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
			TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)
40 °C	141.4	141.4	50.9	127.3	41.6	113.2	33.3	99.0	26.1	84.9	19.8	70.7	14.6	56.6	10.3	42.4	7.11	
39 °C	143.7	143.7	50.1	129.3	41.0	115.0	32.9	100.6	25.7	86.2	19.5	71.9	14.4	57.5	10.2	43.1	7.01	
37 °C	148.0	148.0	48.6	133.2	39.8	118.4	31.9	103.6	24.9	88.8	18.9	74.0	13.9	59.2	9.88	44.4	6.79	
35 °C	152.0	152.0	47.3	136.8	38.5	121.6	30.9	106.4	24.1	91.2	18.4	76.0	13.5	60.8	9.57	45.6	6.58	
33 °C	152.0	152.0	43.5	136.8	35.6	121.6	28.6	106.4	22.4	91.2	17.0	76.0	12.6	60.8	8.95	45.6	6.19	
31 °C	152.0	152.0	40.3	136.8	33.0	121.6	26.5	106.4	20.8	91.2	15.9	76.0	11.7	60.8	8.38	45.6	5.84	
30 °C	152.0	152.0	38.9	136.8	31.8	121.6	25.6	106.4	20.1	91.2	15.3	76.0	11.3	60.8	8.12	45.6	5.67	
29 °C	152.0	152.0	37.5	136.8	30.7	121.6	24.7	106.4	19.4	91.2	14.8	76.0	11.0	60.8	7.87	45.6	5.51	
27 °C	152.0	152.0	34.9	136.8	28.6	121.6	23.0	106.4	18.1	91.2	13.8	76.0	10.3	60.8	7.39	45.6	5.21	
25 °C	152.0	152.0	32.6	136.8	26.7	121.6	21.5	106.4	16.9	91.2	12.9	76.0	9.63	60.8	6.95	45.6	4.92	
23 °C	152.0	152.0	31.1	136.8	25.5	121.6	20.5	106.4	16.1	91.2	12.4	76.0	9.23	60.8	6.68	45.6	4.75	
21 °C	152.0	152.0	30.4	136.8	24.9	121.6	20.1	106.4	15.8	91.2	12.1	76.0	9.06	60.8	6.58	45.6	4.69	
20 °C	152.0	152.0	30.1	136.8	24.7	121.6	19.9	106.4	15.7	91.2	12.0	76.0	8.99	60.8	6.53	45.6	4.67	
19 °C	152.0	152.0	29.8	136.8	24.5	121.6	19.7	106.4	15.5	91.2	11.9	76.0	8.92	60.8	6.49	45.6	4.64	
17 °C	152.0	152.0	29.3	136.8	24.0	121.6	19.4	106.4	15.3	91.2	11.8	76.0	8.80	60.8	6.41	45.6	4.60	
15 °C	152.0	152.0	28.8	136.8	23.7	121.6	19.1	106.4	15.1	91.2	11.6	76.0	8.69	60.8	6.35	45.6	4.56	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

Heating

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit Wet-Bulb (°C)	Outdoor Unit 100% Heating Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
				100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
				TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)
15.0	13.7	171.0	171.0	37.1	153.9	31.7	136.8	26.7	119.7	22.2	102.6	18.1	85.5	14.5	68.4	11.3	51.3	8.48	
13.0	11.8	171.0	171.0	38.6	153.9	32.9	136.8	27.7	119.7	23.0	102.6	18.7	85.5	14.9	68.4	11.5	51.3	8.66	
11.0	9.8	171.0	171.0	40.2	153.9	34.2	136.8	28.8	119.7	23.8	102.6	19.3	85.5	15.4	68.4	11.9	51.3	8.87	
9.0	7.9	171.0	171.0	41.8	153.9	35.6	136.8	29.9	119.7	24.7	102.6	20.0	85.5	15.8	68.4	12.2	51.3	9.08	
7.0	6.0	171.0	171.0	43.6	153.9	37.1	136.8	31.1	119.7	25.6	102.6	20.7	85.5	16.4	68.4	12.6	51.3	9.30	
5.0	4.1	165.0	165.0	43.3	148.5	36.8	132.0	30.8	115.5	25.4	99.0	20.6	82.5	16.3	66.0	12.5	49.5	9.24	
3.0	2.2	159.1	159.1	43.0	143.2	36.5	127.3	30.6	111.4	25.3	95.4	20.4	79.5	16.1	63.6	12.4	47.7	9.17	
0.0	-0.7	150.0	150.0	42.5	135.0	36.1	120.0	30.3	105.0	25.0	90.0	20.2	75.0	16.0	60.0	12.2	45.0	9.07	
-3.0	-3.7	140.6	140.6	42.0	126.5	35.7	112.5	29.9	98.4	24.7	84.3	20.0	70.3	15.8	56.2	12.1	42.2	8.97	
-5.0	-5.6	134.6	134.6	41.7	121.2	35.4	107.7	29.7	94.2	24.5	80.8	19.8	67.3	15.7	53.8	12.0	40.4	8.90	
-7.0	-7.6	128.3	128.3	41.4	115.5	35.2	102.7	29.5	89.8	24.3	77.0	19.7	64.2	15.5	51.3	11.9	38.5	8.83	
-10	-10.5	119.2	119.2	40.9	107.3	34.8	95.4	29.1	83.5	24.0	71.5	19.4	59.6	15.4	47.7	11.8	35.8	8.73	
-14.5	-15.0	105.1	105.1	40.2	94.6	34.1	84.1	28.6	73.6	23.6	63.1	19.1	52.6	15.1	42.1	11.6	31.5	8.57	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 20.0°C dry-bulb



MMY-AP5616HT5P (56HP, 157.0kW system)

Cooling

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit 100% Cooling Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
			100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	146.1	146.1	53.1	131.5	43.4	116.9	34.8	102.3	27.2	87.7	20.6	73.1	15.1	58.4	10.7	43.8	7.26	
39 °C	148.4	148.4	52.4	133.6	42.8	118.8	34.3	103.9	26.8	89.1	20.3	74.2	14.9	59.4	10.5	44.5	7.15	
37 °C	152.9	152.9	50.8	137.6	41.5	122.3	33.2	107.0	25.9	91.7	19.7	76.4	14.4	61.2	10.2	45.9	6.93	
35 °C	157.0	157.0	49.4	141.3	40.2	125.6	32.2	109.9	25.1	94.2	19.1	78.5	14.0	62.8	9.86	47.1	6.71	
33 °C	157.0	157.0	45.4	141.3	37.2	125.6	29.8	109.9	23.3	94.2	17.7	78.5	13.0	62.8	9.21	47.1	6.31	
31 °C	157.0	157.0	42.1	141.3	34.5	125.6	27.6	109.9	21.6	94.2	16.5	78.5	12.1	62.8	8.62	47.1	5.95	
30 °C	157.0	157.0	40.6	141.3	33.2	125.6	26.6	109.9	20.9	94.2	15.9	78.5	11.7	62.8	8.35	47.1	5.78	
29 °C	157.0	157.0	39.1	141.3	32.0	125.6	25.7	109.9	20.1	94.2	15.4	78.5	11.3	62.8	8.09	47.1	5.61	
27 °C	157.0	157.0	36.4	141.3	29.8	125.6	24.0	109.9	18.8	94.2	14.3	78.5	10.6	62.8	7.60	47.1	5.30	
25 °C	157.0	157.0	34.0	141.3	27.8	125.6	22.4	109.9	17.6	94.2	13.4	78.5	9.94	62.8	7.14	47.1	5.00	
23 °C	157.0	157.0	32.4	141.3	26.6	125.6	21.4	109.9	16.8	94.2	12.8	78.5	9.53	62.8	6.86	47.1	4.83	
21 °C	157.0	157.0	31.7	141.3	26.0	125.6	20.9	109.9	16.4	94.2	12.6	78.5	9.36	62.8	6.75	47.1	4.77	
20 °C	157.0	157.0	31.4	141.3	25.7	125.6	20.7	109.9	16.3	94.2	12.5	78.5	9.28	62.8	6.70	47.1	4.74	
19 °C	157.0	157.0	31.1	141.3	25.5	125.6	20.5	109.9	16.1	94.2	12.4	78.5	9.21	62.8	6.66	47.1	4.72	
17 °C	157.0	157.0	30.6	141.3	25.1	125.6	20.2	109.9	15.9	94.2	12.2	78.5	9.08	62.8	6.58	47.1	4.67	
15 °C	157.0	157.0	30.1	141.3	24.7	125.6	19.9	109.9	15.7	94.2	12.0	78.5	8.97	62.8	6.51	47.1	4.63	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

Heating

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit 100% Heating Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
			100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
15.0	13.7	176.0	176.0	38.7	158.4	33.0	140.8	27.8	123.2	23.1	105.6	18.8	88.0	15.0	70.4	11.6	52.8	8.77
13.0	11.8	176.0	176.0	40.2	158.4	34.3	140.8	28.8	123.2	23.9	105.6	19.4	88.0	15.4	70.4	11.9	52.8	8.96
11.0	9.8	176.0	176.0	41.9	158.4	35.6	140.8	29.9	123.2	24.7	105.6	20.1	88.0	15.9	70.4	12.3	52.8	9.17
9.0	7.9	176.0	176.0	43.6	158.4	37.1	140.8	31.1	123.2	25.7	105.6	20.8	88.0	16.4	70.4	12.6	52.8	9.39
7.0	6.0	176.0	176.0	45.5	158.4	38.6	140.8	32.3	123.2	26.6	105.6	21.5	88.0	17.0	70.4	13.0	52.8	9.62
5.0	4.1	169.7	169.7	45.1	152.7	38.3	135.8	32.1	118.8	26.4	101.8	21.4	84.8	16.8	67.9	12.9	50.9	9.55
3.0	2.2	163.4	163.4	44.8	147.1	38.0	130.7	31.9	114.4	26.2	98.0	21.2	81.7	16.7	65.4	12.8	49.0	9.47
0.0	-0.7	153.8	153.8	44.3	138.4	37.6	123.0	31.5	107.6	25.9	92.3	20.9	76.9	16.5	61.5	12.7	46.1	9.36
-3.0	-3.7	143.8	143.8	43.7	129.4	37.1	115.1	31.1	100.7	25.6	86.3	20.7	71.9	16.3	57.5	12.5	43.1	9.25
-5.0	-5.6	137.5	137.5	43.4	123.8	36.8	110.0	30.8	96.3	25.4	82.5	20.5	68.8	16.2	55.0	12.4	41.3	9.17
-7.0	-7.6	130.9	130.9	43.0	117.8	36.5	104.7	30.6	91.6	25.2	78.5	20.3	65.4	16.1	52.4	12.3	39.3	9.10
-10	-10.5	121.3	121.3	42.5	109.1	36.1	97.0	30.2	84.9	24.9	72.8	20.1	60.6	15.9	48.5	12.1	36.4	8.99
-14.5	-15.0	106.3	106.3	41.7	95.7	35.4	85.1	29.6	74.4	24.4	63.8	19.7	53.2	15.5	42.5	11.9	31.9	8.81

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 20.0°C dry-bulb



High efficiency model

MMY-AP2026HT5P (20HP, 56kW system)

Cooling

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit 100% Cooling Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
			100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
			TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)
40 °C		52.1	52.1	15.7	46.9	12.9	41.7	10.4	36.5	8.22	31.3	6.38	26.1	4.87	20.8	3.67	15.6	2.80
39 °C		52.9	52.9	15.5	47.7	12.7	42.4	10.2	37.1	8.10	31.8	6.29	26.5	4.79	21.2	3.62	15.9	2.76
37 °C		54.5	54.5	15.0	49.1	12.3	43.6	9.92	38.2	7.85	32.7	6.10	27.3	4.65	21.8	3.51	16.4	2.68
35 °C		56.0	56.0	14.5	50.4	11.9	44.8	9.61	39.2	7.61	33.6	5.91	28.0	4.50	22.4	3.40	16.8	2.59
33 °C		56.0	56.0	13.4	50.4	11.0	44.8	8.91	39.2	7.07	33.6	5.50	28.0	4.21	22.4	3.20	16.8	2.46
31 °C		56.0	56.0	12.4	50.4	10.2	44.8	8.28	39.2	6.58	33.6	5.14	28.0	3.95	22.4	3.02	16.8	2.34
30 °C		56.0	56.0	12.0	50.4	9.87	44.8	7.99	39.2	6.36	33.6	4.97	28.0	3.83	22.4	2.94	16.8	2.29
29 °C		56.0	56.0	11.6	50.4	9.53	44.8	7.72	39.2	6.15	33.6	4.81	28.0	3.71	22.4	2.85	16.8	2.23
27 °C		56.0	56.0	10.8	50.4	8.89	44.8	7.21	39.2	5.75	33.6	4.51	28.0	3.49	22.4	2.70	16.8	2.12
25 °C		56.0	56.0	10.1	50.4	8.30	44.8	6.74	39.2	5.39	33.6	4.24	28.0	3.29	22.4	2.55	16.8	2.02
23 °C		56.0	56.0	9.62	50.4	7.93	44.8	6.45	39.2	5.16	33.6	4.06	28.0	3.17	22.4	2.46	16.8	1.96
21 °C		56.0	56.0	9.41	50.4	7.77	44.8	6.32	39.2	5.06	33.6	3.99	28.0	3.12	22.4	2.44	16.8	1.94
20 °C		56.0	56.0	9.31	50.4	7.69	44.8	6.26	39.2	5.02	33.6	3.96	28.0	3.10	22.4	2.42	16.8	1.94
19 °C		56.0	56.0	9.23	50.4	7.62	44.8	6.21	39.2	4.98	33.6	3.93	28.0	3.08	22.4	2.41	16.8	1.93
17 °C		56.0	56.0	9.07	50.4	7.50	44.8	6.11	39.2	4.91	33.6	3.88	28.0	3.04	22.4	2.39	16.8	1.92
15 °C		56.0	56.0	8.94	50.4	7.40	44.8	6.03	39.2	4.84	33.6	3.84	28.0	3.02	22.4	2.37	16.8	1.91

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

Heating

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit Wet-Bulb (°C)	Outdoor Unit 100% Heating Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
				100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
				TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)
15.0	13.7	63.0	63.0	12.0	56.7	10.2	50.4	8.57	44.1	7.11	37.8	5.81	31.5	4.68	25.2	3.72	18.9	2.93	
13.0	11.8	63.0	63.0	12.5	56.7	10.6	50.4	8.88	44.1	7.35	37.8	5.99	31.5	4.81	25.2	3.80	18.9	2.97	
11.0	9.8	63.0	63.0	13.0	56.7	11.0	50.4	9.23	44.1	7.62	37.8	6.20	31.5	4.96	25.2	3.90	18.9	3.03	
9.0	7.9	63.0	63.0	13.6	56.7	11.5	50.4	9.59	44.1	7.90	37.8	6.41	31.5	5.11	25.2	4.00	18.9	3.09	
7.0	6.0	63.0	63.0	14.2	56.7	12.0	50.4	9.99	44.1	8.21	37.8	6.63	31.5	5.27	25.2	4.11	18.9	3.15	
5.0	4.1	61.0	61.0	14.1	54.9	11.9	48.8	9.93	42.7	8.16	36.6	6.60	30.5	5.24	24.4	4.08	18.3	3.13	
3.0	2.2	58.9	58.9	14.0	53.1	11.8	47.2	9.87	41.3	8.11	35.4	6.56	29.5	5.21	23.6	4.06	17.7	3.11	
0.0	-0.7	55.9	55.9	13.9	50.3	11.7	44.7	9.78	39.1	8.04	33.5	6.50	27.9	5.16	22.3	4.02	16.8	3.09	
-3.0	-3.7	52.7	52.7	13.7	47.4	11.6	42.1	9.69	36.9	7.97	31.6	6.44	26.3	5.11	21.1	3.99	15.8	3.06	
-5.0	-5.6	50.6	50.6	13.7	45.6	11.6	40.5	9.64	35.4	7.92	30.4	6.40	25.3	5.08	20.3	3.96	15.2	3.04	
-7.0	-7.6	48.5	48.5	13.6	43.6	11.5	38.8	9.58	33.9	7.87	29.1	6.36	24.2	5.05	19.4	3.94	14.5	3.02	
-10	-10.5	45.4	45.4	13.5	40.9	11.4	36.3	9.49	31.8	7.80	27.2	6.30	22.7	5.01	18.2	3.90	13.6	2.99	
-14.5	-15.0	40.6	40.6	13.3	36.5	11.2	32.5	9.35	28.4	7.69	24.4	6.22	20.3	4.93	16.2	3.85	12.2	2.95	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 20.0°C dry-bulb



MMY-AP2226HT5P (22HP, 61.5kW system)

Cooling

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit 100% Cooling Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
			100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C		57.2	57.2	18.0	51.5	14.8	45.8	12.0	40.1	9.50	34.3	7.34	28.6	5.52	22.9	4.04	17.2	2.91
39 °C		58.2	58.2	17.7	52.3	14.6	46.5	11.8	40.7	9.36	34.9	7.23	29.1	5.44	23.3	3.98	17.4	2.86
37 °C		59.9	59.9	17.2	53.9	14.2	47.9	11.5	41.9	9.07	35.9	7.01	29.9	5.28	24.0	3.86	18.0	2.78
35 °C		61.5	61.5	16.7	55.4	13.7	49.2	11.1	43.1	8.79	36.9	6.79	30.8	5.11	24.6	3.74	18.5	2.69
33 °C		61.5	61.5	15.4	55.4	12.7	49.2	10.3	43.1	8.16	36.9	6.32	30.8	4.77	24.6	3.51	18.5	2.54
31 °C		61.5	61.5	14.3	55.4	11.8	49.2	9.57	43.1	7.60	36.9	5.90	30.8	4.46	24.6	3.30	18.5	2.40
30 °C		61.5	61.5	13.8	55.4	11.4	49.2	9.24	43.1	7.34	36.9	5.70	30.8	4.32	24.6	3.20	18.5	2.34
29 °C		61.5	61.5	13.3	55.4	11.0	49.2	8.92	43.1	7.09	36.9	5.51	30.8	4.19	24.6	3.11	18.5	2.28
27 °C		61.5	61.5	12.4	55.4	10.3	49.2	8.33	43.1	6.63	36.9	5.16	30.8	3.93	24.6	2.93	18.5	2.15
25 °C		61.5	61.5	11.6	55.4	9.59	49.2	7.79	43.1	6.21	36.9	4.84	30.8	3.69	24.6	2.76	18.5	2.04
23 °C		61.5	61.5	11.1	55.4	9.16	49.2	7.45	43.1	5.94	36.9	4.64	30.8	3.55	24.6	2.66	18.5	1.97
21 °C		61.5	61.5	10.8	55.4	8.97	49.2	7.30	43.1	5.83	36.9	4.56	30.8	3.49	24.6	2.62	18.5	1.95
20 °C		61.5	61.5	10.7	55.4	8.88	49.2	7.23	43.1	5.78	36.9	4.52	30.8	3.46	24.6	2.60	18.5	1.94
19 °C		61.5	61.5	10.6	55.4	8.81	49.2	7.17	43.1	5.73	36.9	4.49	30.8	3.44	24.6	2.59	18.5	1.94
17 °C		61.5	61.5	10.5	55.4	8.66	49.2	7.06	43.1	5.64	36.9	4.42	30.8	3.40	24.6	2.56	18.5	1.93
15 °C		61.5	61.5	10.3	55.4	8.54	49.2	6.96	43.1	5.57	36.9	4.37	30.8	3.36	24.6	2.54	18.5	1.93

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

Heating

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit 100% Heating Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
			100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
15.0	13.7	69.0	69.0	13.9	62.1	11.8	55.2	9.96	48.3	8.26	41.4	6.74	34.5	5.39	27.6	4.21	20.7	3.21
13.0	11.8	69.0	69.0	14.4	62.1	12.3	55.2	10.3	48.3	8.54	41.4	6.95	34.5	5.54	27.6	4.32	20.7	3.27
11.0	9.8	69.0	69.0	15.0	62.1	12.8	55.2	10.7	48.3	8.86	41.4	7.19	34.5	5.72	27.6	4.44	20.7	3.35
9.0	7.9	69.0	69.0	15.6	62.1	13.3	55.2	11.1	48.3	9.19	41.4	7.44	34.5	5.90	27.6	4.56	20.7	3.42
7.0	6.0	69.0	69.0	16.3	62.1	13.8	55.2	11.6	48.3	9.54	41.4	7.71	34.5	6.09	27.6	4.69	20.7	3.50
5.0	4.1	66.6	66.6	16.2	60.0	13.7	53.3	11.5	46.6	9.47	40.0	7.66	33.3	6.05	26.7	4.66	20.0	3.48
3.0	2.2	64.3	64.3	16.1	57.9	13.7	51.4	11.4	45.0	9.41	38.6	7.60	32.1	6.01	25.7	4.63	19.3	3.46
0.0	-0.7	60.7	60.7	15.9	54.6	13.5	48.6	11.3	42.5	9.31	36.4	7.52	30.3	5.95	24.3	4.58	18.2	3.42
-3.0	-3.7	57.0	57.0	15.8	51.3	13.4	45.6	11.2	39.9	9.21	34.2	7.44	28.5	5.88	22.8	4.53	17.1	3.38
-5.0	-5.6	54.6	54.6	15.6	49.2	13.3	43.7	11.1	38.2	9.14	32.8	7.39	27.3	5.84	21.8	4.50	16.4	3.36
-7.0	-7.6	52.1	52.1	15.5	46.9	13.2	41.7	11.0	36.5	9.08	31.3	7.33	26.1	5.80	20.9	4.46	15.6	3.33
-10	-10.5	48.5	48.5	15.4	43.7	13.0	38.8	10.9	34.0	8.98	29.1	7.25	24.3	5.73	19.4	4.41	14.6	3.30
-14.5	-15.0	43.0	43.0	15.1	38.7	12.8	34.4	10.7	30.1	8.82	25.8	7.13	21.5	5.64	17.2	4.34	12.9	3.24

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 20.0°C dry-bulb

MMY-AP3626HT5P (36HP, 100.5kW system)

Cooling		Outdoor Unit 100% Cooling Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
			100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
			TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)
40 °C	93.5	93.5	30.5	84.2	25.2	74.8	20.4	65.5	16.2	56.1	12.4	46.8	9.27	37.4	6.62	28.1	4.52	
39 °C	95.0	95.0	30.0	85.5	24.8	76.0	20.1	66.5	15.9	57.0	12.3	47.5	9.13	38.0	6.53	28.5	4.45	
37 °C	97.9	97.9	29.1	88.1	24.1	78.3	19.5	68.5	15.4	58.7	11.9	48.9	8.85	39.1	6.33	29.4	4.31	
35 °C	100.5	100.5	28.2	90.5	23.3	80.4	18.9	70.4	15.0	60.3	11.5	50.3	8.58	40.2	6.13	30.2	4.18	
33 °C	100.5	100.5	26.1	90.5	21.6	80.4	17.5	70.4	13.9	60.3	10.7	50.3	7.99	40.2	5.73	30.2	3.93	
31 °C	100.5	100.5	24.3	90.5	20.1	80.4	16.3	70.4	12.9	60.3	9.98	50.3	7.46	40.2	5.37	30.2	3.69	
30 °C	100.5	100.5	23.4	90.5	19.4	80.4	15.7	70.4	12.5	60.3	9.65	50.3	7.22	40.2	5.20	30.2	3.59	
29 °C	100.5	100.5	22.6	90.5	18.7	80.4	15.2	70.4	12.1	60.3	9.32	50.3	6.99	40.2	5.04	30.2	3.48	
27 °C	100.5	100.5	21.1	90.5	17.4	80.4	14.2	70.4	11.3	60.3	8.73	50.3	6.55	40.2	4.73	30.2	3.28	
25 °C	100.5	100.5	19.7	90.5	16.3	80.4	13.3	70.4	10.5	60.3	8.17	50.3	6.14	40.2	4.45	30.2	3.10	
23 °C	100.5	100.5	18.8	90.5	15.6	80.4	12.7	70.4	10.1	60.3	7.83	50.3	5.89	40.2	4.28	30.2	2.99	
21 °C	100.5	100.5	18.4	90.5	15.3	80.4	12.4	70.4	9.89	60.3	7.68	50.3	5.79	40.2	4.21	30.2	2.95	
20 °C	100.5	100.5	18.2	90.5	15.1	80.4	12.3	70.4	9.80	60.3	7.62	50.3	5.74	40.2	4.18	30.2	2.93	
19 °C	100.5	100.5	18.1	90.5	15.0	80.4	12.2	70.4	9.72	60.3	7.56	50.3	5.70	40.2	4.15	30.2	2.91	
17 °C	100.5	100.5	17.8	90.5	14.7	80.4	12.0	70.4	9.57	60.3	7.45	50.3	5.62	40.2	4.10	30.2	2.91	
15 °C	100.5	100.5	17.5	90.5	14.5	80.4	11.8	70.4	9.45	60.3	7.35	50.3	5.56	40.2	4.06	30.2	2.91	

TC : Total Capacity PI : Power Input
 Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

Heating		Outdoor Unit 100% Heating Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
			100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
			TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)
15.0	13.7	112.5	112.5	23.6	101.3	20.2	90.0	17.0	78.8	14.1	67.5	11.5	56.3	9.14	45.0	7.06	33.8	5.24
13.0	11.8	112.5	112.5	24.5	101.3	20.9	90.0	17.6	78.8	14.6	67.5	11.9	56.3	9.41	45.0	7.24	33.8	5.36
11.0	9.8	112.5	112.5	25.5	101.3	21.8	90.0	18.3	78.8	15.1	67.5	12.3	56.3	9.72	45.0	7.46	33.8	5.50
9.0	7.9	112.5	112.5	26.6	101.3	22.6	90.0	19.0	78.8	15.7	67.5	12.7	56.3	10.0	45.0	7.68	33.8	5.64
7.0	6.0	112.5	112.5	27.7	101.3	23.6	90.0	19.8	78.8	16.3	67.5	13.2	56.3	10.4	45.0	7.91	33.8	5.78
5.0	4.1	108.5	108.5	27.5	97.6	23.4	86.8	19.6	75.9	16.2	65.1	13.1	54.2	10.3	43.4	7.85	32.5	5.74
3.0	2.2	104.4	104.4	27.3	94.0	23.2	83.6	19.5	73.1	16.1	62.7	13.0	52.2	10.2	41.8	7.79	31.3	5.70
0.0	-0.7	98.3	98.3	27.0	88.5	22.9	78.6	19.2	68.8	15.9	59.0	12.8	49.1	10.1	39.3	7.70	29.5	5.63
-3.0	-3.7	91.9	91.9	26.6	82.7	22.7	73.5	19.0	64.4	15.7	55.2	12.7	46.0	9.97	36.8	7.61	27.6	5.56
-5.0	-5.6	87.9	87.9	26.4	79.1	22.5	70.3	18.9	61.5	15.6	52.7	12.6	44.0	9.89	35.2	7.55	26.4	5.52
-7.0	-7.6	83.7	83.7	26.2	75.3	22.3	66.9	18.7	58.6	15.4	50.2	12.5	41.8	9.81	33.5	7.48	25.1	5.47
-10	-10.5	77.5	77.5	25.9	69.8	22.0	62.0	18.5	54.3	15.2	46.5	12.3	38.8	9.69	31.0	7.39	23.3	5.40
-14.5	-15.0	68.0	68.0	25.4	61.2	21.6	54.4	18.1	47.6	14.9	40.8	12.1	34.0	9.50	27.2	7.25	20.4	5.30

TC : Total Capacity PI : Power Input
 Indoor air temperature conditions : 20.0°C dry-bulb

MMY-AP3826HT5P (38HP, 107kW system)

Cooling

Outdoor Unit Dry-Bulb (°C)	Outdoor Unit 100% Cooling Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
		100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	99.6	99.6	32.8	89.6	27.1	79.7	21.9	69.7	17.4	59.7	13.4	49.8	9.97	39.8	7.14	29.9	4.88
39 °C	101.2	101.2	32.3	91.1	26.7	80.9	21.6	70.8	17.1	60.7	13.2	50.6	9.82	40.5	7.03	30.4	4.81
37 °C	104.2	104.2	31.3	93.8	25.8	83.4	20.9	72.9	16.6	62.5	12.8	52.1	9.53	41.7	6.82	31.3	4.66
35 °C	107.0	107.0	30.3	96.3	25.0	85.6	20.3	74.9	16.1	64.2	12.4	53.5	9.23	42.8	6.61	32.1	4.52
33 °C	107.0	107.0	28.1	96.3	23.2	85.6	18.8	74.9	14.9	64.2	11.5	53.5	8.60	42.8	6.18	32.1	4.24
31 °C	107.0	107.0	26.1	96.3	21.6	85.6	17.5	74.9	13.9	64.2	10.7	53.5	8.03	42.8	5.79	32.1	4.00
30 °C	107.0	107.0	25.2	96.3	20.8	85.6	16.9	74.9	13.4	64.2	10.4	53.5	7.77	42.8	5.61	32.1	3.88
29 °C	107.0	107.0	24.3	96.3	20.1	85.6	16.3	74.9	13.0	64.2	10.0	53.5	7.52	42.8	5.43	32.1	3.77
27 °C	107.0	107.0	22.6	96.3	18.7	85.6	15.2	74.9	12.1	64.2	9.39	53.5	7.05	42.8	5.11	32.1	3.55
25 °C	107.0	107.0	21.2	96.3	17.5	85.6	14.2	74.9	11.3	64.2	8.79	53.5	6.61	42.8	4.80	32.1	3.35
23 °C	107.0	107.0	20.2	96.3	16.7	85.6	13.6	74.9	10.8	64.2	8.42	53.5	6.35	42.8	4.62	32.1	3.23
21 °C	107.0	107.0	19.8	96.3	16.4	85.6	13.3	74.9	10.6	64.2	8.27	53.5	6.23	42.8	4.54	32.1	3.19
20 °C	107.0	107.0	19.6	96.3	16.2	85.6	13.2	74.9	10.5	64.2	8.19	53.5	6.18	42.8	4.51	32.1	3.17
19 °C	107.0	107.0	19.4	96.3	16.1	85.6	13.1	74.9	10.5	64.2	8.13	53.5	6.14	42.8	4.48	32.1	3.15
17 °C	107.0	107.0	19.1	96.3	15.8	85.6	12.9	74.9	10.3	64.2	8.01	53.5	6.06	42.8	4.43	32.1	3.14
15 °C	107.0	107.0	18.8	96.3	15.6	85.6	12.7	74.9	10.2	64.2	7.91	53.5	5.98	42.8	4.38	32.1	3.13

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

Heating

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit Wet-Bulb (°C)	Outdoor Unit 100% Heating Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
				100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
				TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
				(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
15.0	13.7	120.0	120.0	24.7	108.0	21.0	96.0	17.7	84.0	14.6	72.0	12.0	60.0	9.59	48.0	7.55	36.0	5.85	
13.0	11.8	120.0	120.0	25.6	108.0	21.8	96.0	18.3	84.0	15.1	72.0	12.3	60.0	9.86	48.0	7.73	36.0	5.95	
11.0	9.8	120.0	120.0	26.7	108.0	22.7	96.0	19.0	84.0	15.7	72.0	12.7	60.0	10.2	48.0	7.94	36.0	6.08	
9.0	7.9	120.0	120.0	27.9	108.0	23.6	96.0	19.8	84.0	16.3	72.0	13.2	60.0	10.5	48.0	8.15	36.0	6.20	
7.0	6.0	120.0	120.0	29.1	108.0	24.6	96.0	20.6	84.0	16.9	72.0	13.7	60.0	10.8	48.0	8.37	36.0	6.34	
5.0	4.1	115.9	115.9	28.9	104.3	24.4	92.7	20.4	81.1	16.8	69.5	13.6	57.9	10.7	46.3	8.32	34.8	6.29	
3.0	2.2	111.7	111.7	28.7	100.6	24.3	89.4	20.3	78.2	16.7	67.0	13.5	55.9	10.7	44.7	8.26	33.5	6.25	
0.0	-0.7	105.4	105.4	28.4	94.9	24.0	84.3	20.1	73.8	16.5	63.3	13.3	52.7	10.6	42.2	8.17	31.6	6.18	
-3.0	-3.7	98.9	98.9	28.0	89.0	23.7	79.1	19.8	69.2	16.3	59.3	13.2	49.4	10.4	39.6	8.08	29.7	6.11	
-5.0	-5.6	94.8	94.8	27.8	85.3	23.6	75.8	19.7	66.3	16.2	56.9	13.1	47.4	10.4	37.9	8.02	28.4	6.07	
-7.0	-7.6	90.4	90.4	27.6	81.4	23.4	72.3	19.5	63.3	16.1	54.2	13.0	45.2	10.3	36.2	7.96	27.1	6.03	
-10	-10.5	84.1	84.1	27.3	75.7	23.1	67.3	19.3	58.9	15.9	50.5	12.8	42.1	10.2	33.6	7.87	25.2	5.96	
-14.5	-15.0	74.3	74.3	26.9	66.9	22.7	59.5	19.0	52.0	15.6	44.6	12.6	37.2	9.99	29.7	7.74	22.3	5.86	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 20.0°C dry-bulb



MMY-AP4026HT5P (40HP, 113.5kW system)

Cooling

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit 100% Cooling Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
			100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	105.6	105.6	35.0	95.1	28.9	84.5	23.4	73.9	18.6	63.4	14.3	52.8	10.7	42.2	7.65	31.7	5.25	
39 °C	107.3	107.3	34.5	96.6	28.5	85.9	23.1	75.1	18.3	64.4	14.1	53.7	10.5	42.9	7.54	32.2	5.17	
37 °C	110.5	110.5	33.5	99.5	27.6	88.4	22.4	77.4	17.7	66.3	13.7	55.3	10.2	44.2	7.31	33.2	5.01	
35 °C	113.5	113.5	32.4	102.2	26.8	90.8	21.7	79.5	17.2	68.1	13.2	56.8	9.88	45.4	7.08	34.1	4.85	
33 °C	113.5	113.5	30.0	102.2	24.8	90.8	20.1	79.5	16.0	68.1	12.3	56.8	9.21	45.4	6.62	34.1	4.56	
31 °C	113.5	113.5	27.9	102.2	23.0	90.8	18.7	79.5	14.9	68.1	11.5	56.8	8.60	45.4	6.21	34.1	4.30	
30 °C	113.5	113.5	26.9	102.2	22.2	90.8	18.1	79.5	14.3	68.1	11.1	56.8	8.32	45.4	6.01	34.1	4.17	
29 °C	113.5	113.5	25.9	102.2	21.5	90.8	17.4	79.5	13.9	68.1	10.7	56.8	8.05	45.4	5.83	34.1	4.05	
27 °C	113.5	113.5	24.2	102.2	20.0	90.8	16.3	79.5	13.0	68.1	10.0	56.8	7.55	45.4	5.48	34.1	3.82	
25 °C	113.5	113.5	22.6	102.2	18.7	90.8	15.2	79.5	12.1	68.1	9.41	56.8	7.09	45.4	5.15	34.1	3.61	
23 °C	113.5	113.5	21.6	102.2	17.9	90.8	14.6	79.5	11.6	68.1	9.02	56.8	6.80	45.4	4.95	34.1	3.48	
21 °C	113.5	113.5	21.1	102.2	17.5	90.8	14.3	79.5	11.4	68.1	8.85	56.8	6.68	45.4	4.87	34.1	3.43	
20 °C	113.5	113.5	20.9	102.2	17.4	90.8	14.1	79.5	11.3	68.1	8.77	56.8	6.63	45.4	4.84	34.1	3.41	
19 °C	113.5	113.5	20.8	102.2	17.2	90.8	14.0	79.5	11.2	68.1	8.70	56.8	6.58	45.4	4.81	34.1	3.39	
17 °C	113.5	113.5	20.4	102.2	16.9	90.8	13.8	79.5	11.0	68.1	8.58	56.8	6.49	45.4	4.75	34.1	3.37	
15 °C	113.5	113.5	20.1	102.2	16.7	90.8	13.6	79.5	10.9	68.1	8.47	56.8	6.41	45.4	4.70	34.1	3.35	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

Heating

Outdoor Unit Dry-Bulb (°C)		Outdoor Unit Wet-Bulb (°C)	Outdoor Unit 100% Heating Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
				100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
				TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
				(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
15.0	13.7	127.5	127.5	25.7	114.8	21.8	102.0	18.3	89.3	15.2	76.5	12.4	63.8	10.0	51.0	8.05	38.3	6.45	
13.0	11.8	127.5	127.5	26.7	114.8	22.6	102.0	19.0	89.3	15.7	76.5	12.8	63.8	10.3	51.0	8.22	38.3	6.54	
11.0	9.8	127.5	127.5	27.9	114.8	23.6	102.0	19.7	89.3	16.3	76.5	13.2	63.8	10.6	51.0	8.42	38.3	6.65	
9.0	7.9	127.5	127.5	29.1	114.8	24.6	102.0	20.5	89.3	16.9	76.5	13.7	63.8	10.9	51.0	8.62	38.3	6.77	
7.0	6.0	127.5	127.5	30.4	114.8	25.7	102.0	21.3	89.3	17.5	76.5	14.1	63.8	11.3	51.0	8.83	38.3	6.89	
5.0	4.1	123.3	123.3	30.2	110.9	25.5	98.6	21.2	86.3	17.4	74.0	14.1	61.6	11.2	49.3	8.78	37.0	6.85	
3.0	2.2	119.0	119.0	30.1	107.1	25.3	95.2	21.1	83.3	17.3	71.4	14.0	59.5	11.1	47.6	8.72	35.7	6.80	
0.0	-0.7	112.6	112.6	29.8	101.3	25.1	90.0	20.9	78.8	17.1	67.5	13.8	56.3	11.0	45.0	8.64	33.8	6.74	
-3.0	-3.7	105.9	105.9	29.5	95.3	24.8	84.7	20.7	74.1	16.9	63.5	13.7	52.9	10.9	42.3	8.55	31.8	6.67	
-5.0	-5.6	101.6	101.6	29.3	91.5	24.7	81.3	20.5	71.1	16.8	61.0	13.6	50.8	10.8	40.7	8.50	30.5	6.63	
-7.0	-7.6	97.2	97.2	29.1	87.5	24.5	77.7	20.4	68.0	16.7	58.3	13.5	48.6	10.7	38.9	8.44	29.2	6.58	
-10	-10.5	90.7	90.7	28.8	81.6	24.3	72.6	20.2	63.5	16.6	54.4	13.4	45.4	10.6	36.3	8.35	27.2	6.52	
-14.5	-15.0	80.7	80.7	28.3	72.6	23.9	64.5	19.9	56.5	16.3	48.4	13.2	40.3	10.5	32.3	8.22	24.2	6.41	

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 20.0°C dry-bulb

Standard model

MMY-MAP0806T5P (8HP, 22.4kW system)

Cooling		Compressor + Outdoor Fan Power consumption (kW)															
Outdoor Unit Dry-Bulb (°C)	Outdoor Unit 100% Cooling Capacity (kW)	100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	20.8	20.8	5.61	18.8	4.65	16.7	3.81	14.6	3.06	12.5	2.43	10.4	1.89	8.34	1.47	6.25	1.14
39 °C	21.2	21.2	5.52	19.1	4.58	16.9	3.75	14.8	3.02	12.7	2.39	10.6	1.87	8.47	1.44	6.35	1.13
37 °C	21.8	21.8	5.36	19.6	4.45	17.4	3.64	15.3	2.93	13.1	2.32	10.9	1.81	8.72	1.40	6.54	1.09
35 °C	22.4	22.4	5.19	20.2	4.31	17.9	3.52	15.7	2.84	13.4	2.25	11.2	1.75	8.96	1.36	6.72	1.06
33 °C	22.4	22.4	4.81	20.2	4.00	17.9	3.27	15.7	2.64	13.4	2.10	11.2	1.64	8.96	1.28	6.72	1.01
31 °C	22.4	22.4	4.47	20.2	3.72	17.9	3.05	15.7	2.47	13.4	1.97	11.2	1.55	8.96	1.21	6.72	0.96
30 °C	22.4	22.4	4.31	20.2	3.59	17.9	2.95	15.7	2.39	13.4	1.90	11.2	1.50	8.96	1.18	6.72	0.93
29 °C	22.4	22.4	4.17	20.2	3.47	17.9	2.85	15.7	2.31	13.4	1.84	11.2	1.46	8.96	1.15	6.72	0.91
27 °C	22.4	22.4	3.89	20.2	3.24	17.9	2.67	15.7	2.17	13.4	1.73	11.2	1.37	8.96	1.08	6.72	0.87
25 °C	22.4	22.4	3.64	20.2	3.04	17.9	2.50	15.7	2.03	13.4	1.63	11.2	1.29	8.96	1.03	6.72	0.82
23 °C	22.4	22.4	3.48	20.2	2.91	17.9	2.40	15.7	1.95	13.4	1.57	11.2	1.25	8.96	0.99	6.72	0.80
21 °C	22.4	22.4	3.41	20.2	2.85	17.9	2.35	15.7	1.92	13.4	1.54	11.2	1.23	8.96	0.98	6.72	0.79
20 °C	22.4	22.4	3.38	20.2	2.82	17.9	2.33	15.7	1.90	13.4	1.53	11.2	1.22	8.96	0.98	6.72	0.79
19 °C	22.4	22.4	3.35	20.2	2.80	17.9	2.31	15.7	1.89	13.4	1.52	11.2	1.22	8.96	0.97	6.72	0.79
17 °C	22.4	22.4	3.29	20.2	2.76	17.9	2.28	15.7	1.86	13.4	1.50	11.2	1.20	8.96	0.97	6.72	0.79
15 °C	22.4	22.4	3.25	20.2	2.72	17.9	2.25	15.7	1.84	13.4	1.49	11.2	1.19	8.96	0.96	6.72	0.78

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

MMY-MAP1006T5P (10HP, 28kW system)

Cooling		Compressor + Outdoor Fan Power consumption (kW)															
Outdoor Unit Dry-Bulb (°C)	Outdoor Unit 100% Cooling Capacity (kW)	100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	26.1	26.1	7.84	23.5	6.44	20.8	5.19	18.2	4.11	15.6	3.19	13.0	2.43	10.4	1.84	7.82	1.40
39 °C	26.5	26.5	7.73	23.8	6.34	21.2	5.12	18.5	4.05	15.9	3.14	13.2	2.40	10.6	1.81	7.94	1.38
37 °C	27.3	27.3	7.49	24.5	6.15	21.8	4.96	19.1	3.93	16.4	3.05	13.6	2.32	10.9	1.75	8.18	1.34
35 °C	28.0	28.0	7.26	25.2	5.96	22.4	4.81	19.6	3.80	16.8	2.95	14.0	2.25	11.2	1.70	8.40	1.30
33 °C	28.0	28.0	6.71	25.2	5.51	22.4	4.45	19.6	3.53	16.8	2.75	14.0	2.11	11.2	1.60	8.40	1.23
31 °C	28.0	28.0	6.22	25.2	5.12	22.4	4.14	19.6	3.29	16.8	2.57	14.0	1.98	11.2	1.51	8.40	1.17
30 °C	28.0	28.0	6.00	25.2	4.94	22.4	4.00	19.6	3.18	16.8	2.49	14.0	1.92	11.2	1.47	8.40	1.14
29 °C	28.0	28.0	5.79	25.2	4.76	22.4	3.86	19.6	3.07	16.8	2.41	14.0	1.86	11.2	1.43	8.40	1.11
27 °C	28.0	28.0	5.39	25.2	4.44	22.4	3.60	19.6	2.88	16.8	2.26	14.0	1.75	11.2	1.35	8.40	1.06
25 °C	28.0	28.0	5.03	25.2	4.15	22.4	3.37	19.6	2.69	16.8	2.12	14.0	1.64	11.2	1.28	8.40	1.01
23 °C	28.0	28.0	4.81	25.2	3.97	22.4	3.22	19.6	2.58	16.8	2.03	14.0	1.58	11.2	1.23	8.40	0.98
21 °C	28.0	28.0	4.70	25.2	3.88	22.4	3.16	19.6	2.53	16.8	2.00	14.0	1.56	11.2	1.22	8.40	0.97
20 °C	28.0	28.0	4.66	25.2	3.85	22.4	3.13	19.6	2.51	16.8	1.98	14.0	1.55	11.2	1.21	8.40	0.97
19 °C	28.0	28.0	4.61	25.2	3.81	22.4	3.10	19.6	2.49	16.8	1.97	14.0	1.54	11.2	1.21	8.40	0.96
17 °C	28.0	28.0	4.54	25.2	3.75	22.4	3.06	19.6	2.45	16.8	1.94	14.0	1.52	11.2	1.19	8.40	0.96
15 °C	28.0	28.0	4.47	25.2	3.70	22.4	3.01	19.6	2.42	16.8	1.92	14.0	1.51	11.2	1.19	8.40	0.96

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb



MMY-MAP1206T5P (12HP, 33.5kW system)

Cooling		Compressor + Outdoor Fan Power consumption (kW)															
Outdoor Unit Dry-Bulb (°C)	Outdoor Unit 100% Cooling Capacity (kW)	100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	31.2	31.2	10.2	28.1	8.39	24.9	6.80	21.8	5.39	18.7	4.15	15.6	3.09	12.5	2.21	9.35	1.51
39 °C	31.7	31.7	10.0	28.5	8.27	25.3	6.70	22.2	5.31	19.0	4.09	15.8	3.04	12.7	2.18	9.50	1.48
37 °C	32.6	32.6	9.71	29.4	8.02	26.1	6.50	22.8	5.14	19.6	3.96	16.3	2.95	13.1	2.11	9.79	1.44
35 °C	33.5	33.5	9.41	30.2	7.77	26.8	6.29	23.5	4.98	20.1	3.84	16.8	2.86	13.4	2.04	10.1	1.39
33 °C	33.5	33.5	8.71	30.2	7.20	26.8	5.84	23.5	4.63	20.1	3.57	16.8	2.66	13.4	1.91	10.1	1.31
31 °C	33.5	33.5	8.09	30.2	6.69	26.8	5.43	23.5	4.31	20.1	3.33	16.8	2.49	13.4	1.79	10.1	1.23
30 °C	33.5	33.5	7.81	30.2	6.45	26.8	5.24	23.5	4.16	20.1	3.22	16.8	2.41	13.4	1.73	10.1	1.20
29 °C	33.5	33.5	7.53	30.2	6.23	26.8	5.06	23.5	4.02	20.1	3.11	16.8	2.33	13.4	1.68	10.1	1.16
27 °C	33.5	33.5	7.03	30.2	5.82	26.8	4.72	23.5	3.76	20.1	2.91	16.8	2.18	13.4	1.58	10.1	1.09
25 °C	33.5	33.5	6.56	30.2	5.43	26.8	4.42	23.5	3.51	20.1	2.72	16.8	2.05	13.4	1.48	10.1	1.03
23 °C	33.5	33.5	6.27	30.2	5.19	26.8	4.23	23.5	3.36	20.1	2.61	16.8	1.96	13.4	1.43	10.1	1.00
21 °C	33.5	33.5	6.14	30.2	5.09	26.8	4.14	23.5	3.30	20.1	2.56	16.8	1.93	13.4	1.40	10.1	0.98
20 °C	33.5	33.5	6.08	30.2	5.04	26.8	4.10	23.5	3.27	20.1	2.54	16.8	1.91	13.4	1.39	10.1	0.98
19 °C	33.5	33.5	6.02	30.2	4.99	26.8	4.07	23.5	3.24	20.1	2.52	16.8	1.90	13.4	1.38	10.1	0.97
17 °C	33.5	33.5	5.93	30.2	4.91	26.8	4.00	23.5	3.19	20.1	2.48	16.8	1.87	13.4	1.37	10.1	0.97
15 °C	33.5	33.5	5.84	30.2	4.85	26.8	3.95	23.5	3.15	20.1	2.45	16.8	1.85	13.4	1.35	10.1	0.97

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

MMY-MAP1406T5P (14HP, 40kW system)

Cooling		Compressor + Outdoor Fan Power consumption (kW)															
Outdoor Unit Dry-Bulb (°C)	Outdoor Unit 100% Cooling Capacity (kW)	100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	37.2	37.2	12.4	33.5	10.3	29.8	8.32	26.1	6.59	22.3	5.08	18.6	3.79	14.9	2.72	11.2	1.87
39 °C	37.8	37.8	12.2	34.0	10.1	30.3	8.19	26.5	6.49	22.7	5.01	18.9	3.74	15.1	2.68	11.3	1.84
37 °C	39.0	39.0	11.9	35.1	9.80	31.2	7.95	27.3	6.30	23.4	4.86	19.5	3.62	15.6	2.60	11.7	1.79
35 °C	40.0	40.0	11.5	36.0	9.50	32.0	7.70	28.0	6.10	24.0	4.70	20.0	3.51	16.0	2.52	12.0	1.73
33 °C	40.0	40.0	10.6	36.0	8.80	32.0	7.14	28.0	5.66	24.0	4.38	20.0	3.27	16.0	2.36	12.0	1.63
31 °C	40.0	40.0	9.89	36.0	8.18	32.0	6.64	28.0	5.27	24.0	4.08	20.0	3.06	16.0	2.21	12.0	1.53
30 °C	40.0	40.0	9.54	36.0	7.89	32.0	6.41	28.0	5.09	24.0	3.94	20.0	2.96	16.0	2.14	12.0	1.49
29 °C	40.0	40.0	9.21	36.0	7.62	32.0	6.19	28.0	4.92	24.0	3.81	20.0	2.86	16.0	2.07	12.0	1.44
27 °C	40.0	40.0	8.59	36.0	7.11	32.0	5.78	28.0	4.60	24.0	3.57	20.0	2.68	16.0	1.95	12.0	1.36
25 °C	40.0	40.0	8.02	36.0	6.65	32.0	5.41	28.0	4.31	24.0	3.34	20.0	2.52	16.0	1.83	12.0	1.29
23 °C	40.0	40.0	7.67	36.0	6.35	32.0	5.17	28.0	4.12	24.0	3.20	20.0	2.42	16.0	1.76	12.0	1.24
21 °C	40.0	40.0	7.51	36.0	6.22	32.0	5.07	28.0	4.04	24.0	3.14	20.0	2.37	16.0	1.74	12.0	1.23
20 °C	40.0	40.0	7.43	36.0	6.16	32.0	5.02	28.0	4.00	24.0	3.12	20.0	2.36	16.0	1.72	12.0	1.22
19 °C	40.0	40.0	7.37	36.0	6.11	32.0	4.98	28.0	3.97	24.0	3.09	20.0	2.34	16.0	1.71	12.0	1.21
17 °C	40.0	40.0	7.25	36.0	6.01	32.0	4.90	28.0	3.91	24.0	3.05	20.0	2.31	16.0	1.69	12.0	1.20
15 °C	40.0	40.0	7.14	36.0	5.93	32.0	4.83	28.0	3.86	24.0	3.01	20.0	2.28	16.0	1.67	12.0	1.19

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb



MMY-MAP1606T5P (16HP, 45kW system)

Cooling		Compressor + Outdoor Fan Power consumption (kW)															
		100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Outdoor Unit Dry-Bulb (°C)	Outdoor Unit 100% Cooling Capacity (kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	41.9	41.9	14.7	37.7	12.1	33.5	9.74	29.3	7.67	25.1	5.86	20.9	4.31	16.8	3.03	12.6	2.02
39 °C	42.5	42.5	14.5	38.3	11.9	34.0	9.60	29.8	7.55	25.5	5.77	21.3	4.25	17.0	2.99	12.8	1.99
37 °C	43.8	43.8	14.0	39.4	11.5	35.1	9.31	30.7	7.32	26.3	5.59	21.9	4.12	17.5	2.90	13.1	1.93
35 °C	45.0	45.0	13.6	40.5	11.2	36.0	9.02	31.5	7.09	27.0	5.42	22.5	3.99	18.0	2.80	13.5	1.87
33 °C	45.0	45.0	12.6	40.5	10.4	36.0	8.35	31.5	6.58	27.0	5.03	22.5	3.71	18.0	2.62	13.5	1.75
31 °C	45.0	45.0	11.7	40.5	9.61	36.0	7.76	31.5	6.12	27.0	4.68	22.5	3.46	18.0	2.45	13.5	1.64
30 °C	45.0	45.0	11.3	40.5	9.27	36.0	7.49	31.5	5.90	27.0	4.52	22.5	3.35	18.0	2.37	13.5	1.59
29 °C	45.0	45.0	10.9	40.5	8.95	36.0	7.23	31.5	5.70	27.0	4.37	22.5	3.24	18.0	2.29	13.5	1.55
27 °C	45.0	45.0	10.1	40.5	8.34	36.0	6.74	31.5	5.32	27.0	4.09	22.5	3.03	18.0	2.15	13.5	1.46
25 °C	45.0	45.0	9.45	40.5	7.79	36.0	6.30	31.5	4.98	27.0	3.82	22.5	2.84	18.0	2.02	13.5	1.37
23 °C	45.0	45.0	9.03	40.5	7.44	36.0	6.02	31.5	4.76	27.0	3.66	22.5	2.72	18.0	1.94	13.5	1.32
21 °C	45.0	45.0	8.83	40.5	7.29	36.0	5.90	31.5	4.66	27.0	3.59	22.5	2.67	18.0	1.91	13.5	1.30
20 °C	45.0	45.0	8.74	40.5	7.22	36.0	5.84	31.5	4.62	27.0	3.56	22.5	2.65	18.0	1.89	13.5	1.29
19 °C	45.0	45.0	8.66	40.5	7.15	36.0	5.79	31.5	4.58	27.0	3.53	22.5	2.63	18.0	1.88	13.5	1.29
17 °C	45.0	45.0	8.52	40.5	7.03	36.0	5.70	31.5	4.51	27.0	3.47	22.5	2.59	18.0	1.85	13.5	1.27
15 °C	45.0	45.0	8.40	40.5	6.93	36.0	5.62	31.5	4.45	27.0	3.43	22.5	2.56	18.0	1.83	13.5	1.26

TC : Total Capacity PI : Power Input
 Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

MMY-MAP1816T5P (18HP, 50.4kW system)

Cooling		Compressor + Outdoor Fan Power consumption (kW)															
		100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
Outdoor Unit Dry-Bulb (°C)	Outdoor Unit 100% Cooling Capacity (kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	46.9	46.9	15.1	42.2	12.6	37.5	10.4	32.8	8.33	28.1	6.53	23.5	4.95	18.8	3.60	14.1	2.48
39 °C	47.7	47.7	14.9	42.9	12.4	38.1	10.2	33.4	8.21	28.6	6.43	23.8	4.88	19.1	3.55	14.3	2.44
37 °C	49.1	49.1	14.4	44.2	12.1	39.3	9.91	34.4	7.96	29.4	6.24	24.5	4.73	19.6	3.44	14.7	2.37
35 °C	50.4	50.4	14.0	45.4	11.7	40.3	9.60	35.3	7.71	30.2	6.04	25.2	4.58	20.2	3.33	15.1	2.29
33 °C	50.4	50.4	13.0	45.4	10.9	40.3	8.92	35.3	7.18	30.2	5.63	25.2	4.28	20.2	3.12	15.1	2.15
31 °C	50.4	50.4	12.1	45.4	10.1	40.3	8.32	35.3	6.70	30.2	5.26	25.2	4.00	20.2	2.92	15.1	2.03
30 °C	50.4	50.4	11.7	45.4	9.77	40.3	8.04	35.3	6.48	30.2	5.09	25.2	3.87	20.2	2.83	15.1	1.97
29 °C	50.4	50.4	11.3	45.4	9.44	40.3	7.77	35.3	6.26	30.2	4.92	25.2	3.75	20.2	2.75	15.1	1.91
27 °C	50.4	50.4	10.5	45.4	8.83	40.3	7.27	35.3	5.87	30.2	4.62	25.2	3.52	20.2	2.58	15.1	1.80
25 °C	50.4	50.4	9.87	45.4	8.26	40.3	6.81	35.3	5.50	30.2	4.33	25.2	3.31	20.2	2.43	15.1	1.70
23 °C	50.4	50.4	9.44	45.4	7.91	40.3	6.52	35.3	5.27	30.2	4.15	25.2	3.18	20.2	2.34	15.1	1.64
21 °C	50.4	50.4	9.25	45.4	7.76	40.3	6.40	35.3	5.17	30.2	4.08	25.2	3.12	20.2	2.30	15.1	1.61
20 °C	50.4	50.4	9.17	45.4	7.69	40.3	6.34	35.3	5.13	30.2	4.05	25.2	3.10	20.2	2.28	15.1	1.60
19 °C	50.4	50.4	9.09	45.4	7.63	40.3	6.29	35.3	5.09	30.2	4.02	25.2	3.08	20.2	2.27	15.1	1.59
17 °C	50.4	50.4	8.95	45.4	7.51	40.3	6.20	35.3	5.02	30.2	3.96	25.2	3.04	20.2	2.24	15.1	1.58
15 °C	50.4	50.4	8.83	45.4	7.41	40.3	6.12	35.3	4.95	30.2	3.92	25.2	3.00	20.2	2.22	15.1	1.56

TC : Total Capacity PI : Power Input
 Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

MMY-MAP2016T5P (20HP, 56kW system)

Cooling		Compressor + Outdoor Fan Power consumption (kW)															
Outdoor Unit Dry-Bulb (°C)	Outdoor Unit 100% Cooling Capacity (kW)	100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	52.1	52.1	19.2	46.9	15.7	41.7	12.5	36.5	9.75	31.3	7.38	26.1	5.40	20.8	3.81	15.6	2.62
39 °C	52.9	52.9	18.9	47.7	15.4	42.4	12.3	37.1	9.60	31.8	7.27	26.5	5.32	21.2	3.75	15.9	2.58
37 °C	54.5	54.5	18.4	49.1	15.0	43.6	12.0	38.2	9.31	32.7	7.05	27.3	5.16	21.8	3.64	16.4	2.50
35 °C	56.0	56.0	17.9	50.4	14.5	44.8	11.6	39.2	9.02	33.6	6.83	28.0	4.99	22.4	3.53	16.8	2.42
33 °C	56.0	56.0	16.4	50.4	13.4	44.8	10.7	39.2	8.35	33.6	6.33	28.0	4.64	22.4	3.30	16.8	2.28
31 °C	56.0	56.0	15.2	50.4	12.4	44.8	9.93	39.2	7.75	33.6	5.89	28.0	4.33	22.4	3.09	16.8	2.15
30 °C	56.0	56.0	14.7	50.4	12.0	44.8	9.58	39.2	7.48	33.6	5.68	28.0	4.19	22.4	2.99	16.8	2.09
29 °C	56.0	56.0	14.1	50.4	11.5	44.8	9.24	39.2	7.22	33.6	5.49	28.0	4.05	22.4	2.90	16.8	2.03
27 °C	56.0	56.0	13.2	50.4	10.8	44.8	8.61	39.2	6.73	33.6	5.13	28.0	3.79	22.4	2.72	16.8	1.92
25 °C	56.0	56.0	12.3	50.4	10.0	44.8	8.03	39.2	6.29	33.6	4.80	28.0	3.55	22.4	2.56	16.8	1.82
23 °C	56.0	56.0	11.7	50.4	9.57	44.8	7.67	39.2	6.01	33.6	4.59	28.0	3.41	22.4	2.46	16.8	1.75
21 °C	56.0	56.0	11.4	50.4	9.36	44.8	7.50	39.2	5.88	33.6	4.50	28.0	3.34	22.4	2.42	16.8	1.73
20 °C	56.0	56.0	11.3	50.4	9.26	44.8	7.43	39.2	5.83	33.6	4.46	28.0	3.32	22.4	2.40	16.8	1.72
19 °C	56.0	56.0	11.2	50.4	9.17	44.8	7.36	39.2	5.78	33.6	4.42	28.0	3.29	22.4	2.39	16.8	1.71
17 °C	56.0	56.0	11.0	50.4	9.02	44.8	7.24	39.2	5.68	33.6	4.35	28.0	3.24	22.4	2.36	16.8	1.70
15 °C	56.0	56.0	10.9	50.4	8.88	44.8	7.13	39.2	5.60	33.6	4.29	28.0	3.20	22.4	2.34	16.8	1.69

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

MMY-MAP2216T5P (22HP, 61.5kW system)

Cooling		Compressor + Outdoor Fan Power consumption (kW)															
Outdoor Unit Dry-Bulb (°C)	Outdoor Unit 100% Cooling Capacity (kW)	100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	57.2	57.2	18.0	51.5	14.8	45.8	12.0	40.1	9.50	34.3	7.34	28.6	5.52	22.9	4.04	17.2	2.91
39 °C	58.2	58.2	17.7	52.3	14.6	46.5	11.8	40.7	9.36	34.9	7.23	29.1	5.44	23.3	3.98	17.4	2.86
37 °C	59.9	59.9	17.2	53.9	14.2	47.9	11.5	41.9	9.07	35.9	7.01	29.9	5.28	24.0	3.86	18.0	2.78
35 °C	61.5	61.5	16.7	55.4	13.7	49.2	11.1	43.1	8.79	36.9	6.79	30.8	5.11	24.6	3.74	18.5	2.69
33 °C	61.5	61.5	15.4	55.4	12.7	49.2	10.3	43.1	8.16	36.9	6.32	30.8	4.77	24.6	3.51	18.5	2.54
31 °C	61.5	61.5	14.3	55.4	11.8	49.2	9.57	43.1	7.60	36.9	5.90	30.8	4.46	24.6	3.30	18.5	2.40
30 °C	61.5	61.5	13.8	55.4	11.4	49.2	9.24	43.1	7.34	36.9	5.70	30.8	4.32	24.6	3.20	18.5	2.34
29 °C	61.5	61.5	13.3	55.4	11.0	49.2	8.92	43.1	7.09	36.9	5.51	30.8	4.19	24.6	3.11	18.5	2.28
27 °C	61.5	61.5	12.4	55.4	10.3	49.2	8.33	43.1	6.63	36.9	5.16	30.8	3.93	24.6	2.93	18.5	2.15
25 °C	61.5	61.5	11.6	55.4	9.59	49.2	7.79	43.1	6.21	36.9	4.84	30.8	3.69	24.6	2.76	18.5	2.04
23 °C	61.5	61.5	11.1	55.4	9.16	49.2	7.45	43.1	5.94	36.9	4.64	30.8	3.55	24.6	2.66	18.5	1.97
21 °C	61.5	61.5	10.8	55.4	8.97	49.2	7.30	43.1	5.83	36.9	4.56	30.8	3.49	24.6	2.62	18.5	1.95
20 °C	61.5	61.5	10.7	55.4	8.88	49.2	7.23	43.1	5.78	36.9	4.52	30.8	3.46	24.6	2.60	18.5	1.94
19 °C	61.5	61.5	10.6	55.4	8.81	49.2	7.17	43.1	5.73	36.9	4.49	30.8	3.44	24.6	2.59	18.5	1.94
17 °C	61.5	61.5	10.5	55.4	8.66	49.2	7.06	43.1	5.64	36.9	4.42	30.8	3.40	24.6	2.56	18.5	1.93
15 °C	61.5	61.5	10.3	55.4	8.54	49.2	6.96	43.1	5.57	36.9	4.37	30.8	3.36	24.6	2.54	18.5	1.93

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

MMY-AP2416T5P (24HP, 67kW system)

Outdoor Unit Dry-Bulb (°C)	Outdoor Unit 100% Cooling Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
		100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	62.3	62.3	20.3	56.1	16.8	49.9	13.6	43.6	10.8	37.4	8.30	31.2	6.18	24.9	4.42	18.7	3.01
39 °C	63.4	63.4	20.0	57.0	16.5	50.7	13.4	44.3	10.6	38.0	8.17	31.7	6.09	25.3	4.35	19.0	2.97
37 °C	65.2	65.2	19.4	58.7	16.0	52.2	13.0	45.7	10.3	39.1	7.93	32.6	5.90	26.1	4.22	19.6	2.88
35 °C	67.0	67.0	18.8	60.3	15.5	53.6	12.6	46.9	9.97	40.2	7.68	33.5	5.72	26.8	4.09	20.1	2.79
33 °C	67.0	67.0	17.4	60.3	14.4	53.6	11.7	46.9	9.25	40.2	7.14	33.5	5.33	26.8	3.82	20.1	2.62
31 °C	67.0	67.0	16.2	60.3	13.4	53.6	10.9	46.9	8.61	40.2	6.65	33.5	4.98	26.8	3.58	20.1	2.46
30 °C	67.0	67.0	15.6	60.3	12.9	53.6	10.5	46.9	8.32	40.2	6.43	33.5	4.81	26.8	3.47	20.1	2.39
29 °C	67.0	67.0	15.1	60.3	12.5	53.6	10.1	46.9	8.04	40.2	6.22	33.5	4.66	26.8	3.36	20.1	2.32
27 °C	67.0	67.0	14.1	60.3	11.6	53.6	9.45	46.9	7.51	40.2	5.82	33.5	4.36	26.8	3.16	20.1	2.19
25 °C	67.0	67.0	13.1	60.3	10.9	53.6	8.84	46.9	7.03	40.2	5.45	33.5	4.10	26.8	2.97	20.1	2.07
23 °C	67.0	67.0	12.5	60.3	10.4	53.6	8.45	46.9	6.73	40.2	5.22	33.5	3.93	26.8	2.85	20.1	1.99
21 °C	67.0	67.0	12.3	60.3	10.2	53.6	8.28	46.9	6.60	40.2	5.12	33.5	3.86	26.8	2.81	20.1	1.96
20 °C	67.0	67.0	12.2	60.3	10.1	53.6	8.20	46.9	6.54	40.2	5.08	33.5	3.83	26.8	2.79	20.1	1.95
19 °C	67.0	67.0	12.0	60.3	9.99	53.6	8.13	46.9	6.48	40.2	5.04	33.5	3.80	26.8	2.77	20.1	1.94
17 °C	67.0	67.0	11.9	60.3	9.83	53.6	8.00	46.9	6.38	40.2	4.96	33.5	3.75	26.8	2.73	20.1	1.94
15 °C	67.0	67.0	11.7	60.3	9.69	53.6	7.90	46.9	6.30	40.2	4.90	33.5	3.70	26.8	2.70	20.1	1.94

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

MMY-AP2616T5P (26HP, 73.5kW system)

Outdoor Unit Dry-Bulb (°C)	Outdoor Unit 100% Cooling Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
		100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	68.4	68.4	22.6	61.6	18.7	54.7	15.1	47.9	12.0	41.0	9.23	34.2	6.88	27.4	4.93	20.5	3.38
39 °C	69.5	69.5	22.3	62.5	18.4	55.6	14.9	48.6	11.8	41.7	9.09	34.7	6.78	27.8	4.86	20.8	3.33
37 °C	71.6	71.6	21.6	64.4	17.8	57.3	14.4	50.1	11.4	42.9	8.82	35.8	6.58	28.6	4.71	21.5	3.22
35 °C	73.5	73.5	20.9	66.2	17.3	58.8	14.0	51.5	11.1	44.1	8.54	36.8	6.37	29.4	4.56	22.1	3.12
33 °C	73.5	73.5	19.4	66.2	16.0	58.8	13.0	51.5	10.3	44.1	7.94	36.8	5.94	29.4	4.27	22.1	2.94
31 °C	73.5	73.5	18.0	66.2	14.9	58.8	12.1	51.5	9.58	44.1	7.41	36.8	5.55	29.4	4.00	22.1	2.76
30 °C	73.5	73.5	17.3	66.2	14.3	58.8	11.6	51.5	9.25	44.1	7.16	36.8	5.36	29.4	3.87	22.1	2.68
29 °C	73.5	73.5	16.7	66.2	13.9	58.8	11.2	51.5	8.94	44.1	6.92	36.8	5.19	29.4	3.75	22.1	2.61
27 °C	73.5	73.5	15.6	66.2	12.9	58.8	10.5	51.5	8.36	44.1	6.48	36.8	4.87	29.4	3.53	22.1	2.46
25 °C	73.5	73.5	14.6	66.2	12.1	58.8	9.82	51.5	7.82	44.1	6.07	36.8	4.57	29.4	3.32	22.1	2.32
23 °C	73.5	73.5	13.9	66.2	11.5	58.8	9.40	51.5	7.49	44.1	5.81	36.8	4.38	29.4	3.19	22.1	2.24
21 °C	73.5	73.5	13.6	66.2	11.3	58.8	9.21	51.5	7.34	44.1	5.70	36.8	4.30	29.4	3.14	22.1	2.21
20 °C	73.5	73.5	13.5	66.2	11.2	58.8	9.12	51.5	7.27	44.1	5.66	36.8	4.27	29.4	3.12	22.1	2.19
19 °C	73.5	73.5	13.4	66.2	11.1	58.8	9.04	51.5	7.21	44.1	5.61	36.8	4.24	29.4	3.10	22.1	2.18
17 °C	73.5	73.5	13.2	66.2	10.9	58.8	8.90	51.5	7.10	44.1	5.53	36.8	4.18	29.4	3.06	22.1	2.17
15 °C	73.5	73.5	13.0	66.2	10.8	58.8	8.78	51.5	7.01	44.1	5.46	36.8	4.13	29.4	3.03	22.1	2.16

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb



MMY-AP2816T5P (28HP, 78.5kW system)

Cooling		Compressor + Outdoor Fan Power consumption (kW)															
Outdoor Unit Dry-Bulb (°C)	Outdoor Unit 100% Cooling Capacity (kW)	100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	73.1	73.1	24.9	65.7	20.5	58.4	16.5	51.1	13.1	43.8	10.0	36.5	7.40	29.2	5.24	21.9	3.52
39 °C	74.2	74.2	24.5	66.8	20.2	59.4	16.3	52.0	12.9	44.5	9.86	37.1	7.29	29.7	5.16	22.3	3.47
37 °C	76.4	76.4	23.7	68.8	19.6	61.2	15.8	53.5	12.5	45.9	9.56	38.2	7.07	30.6	5.00	22.9	3.36
35 °C	78.5	78.5	23.0	70.7	19.0	62.8	15.3	55.0	12.1	47.1	9.26	39.3	6.85	31.4	4.85	23.6	3.26
33 °C	78.5	78.5	21.3	70.7	17.6	62.8	14.2	55.0	11.2	47.1	8.60	39.3	6.37	31.4	4.53	23.6	3.06
31 °C	78.5	78.5	19.8	70.7	16.3	62.8	13.2	55.0	10.4	47.1	8.01	39.3	5.95	31.4	4.24	23.6	2.88
30 °C	78.5	78.5	19.1	70.7	15.7	62.8	12.7	55.0	10.1	47.1	7.74	39.3	5.75	31.4	4.10	23.6	2.79
29 °C	78.5	78.5	18.4	70.7	15.2	62.8	12.3	55.0	9.72	47.1	7.48	39.3	5.56	31.4	3.97	23.6	2.71
27 °C	78.5	78.5	17.2	70.7	14.2	62.8	11.5	55.0	9.08	47.1	6.99	39.3	5.21	31.4	3.73	23.6	2.55
25 °C	78.5	78.5	16.0	70.7	13.2	62.8	10.7	55.0	8.49	47.1	6.55	39.3	4.89	31.4	3.50	23.6	2.40
23 °C	78.5	78.5	15.3	70.7	12.6	62.8	10.2	55.0	8.13	47.1	6.27	39.3	4.68	31.4	3.37	23.6	2.32
21 °C	78.5	78.5	15.0	70.7	12.4	62.8	10.0	55.0	7.96	47.1	6.15	39.3	4.60	31.4	3.31	23.6	2.28
20 °C	78.5	78.5	14.8	70.7	12.3	62.8	9.94	55.0	7.89	47.1	6.10	39.3	4.56	31.4	3.29	23.6	2.27
19 °C	78.5	78.5	14.7	70.7	12.1	62.8	9.85	55.0	7.82	47.1	6.05	39.3	4.53	31.4	3.26	23.6	2.26
17 °C	78.5	78.5	14.4	70.7	11.9	62.8	9.70	55.0	7.70	47.1	5.96	39.3	4.46	31.4	3.22	23.6	2.24
15 °C	78.5	78.5	14.2	70.7	11.8	62.8	9.56	55.0	7.60	47.1	5.88	39.3	4.41	31.4	3.19	23.6	2.23

TC : Total Capacity PI : Power Input
 Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

MMY-AP3016T5P (30HP, 85kW system)

Cooling		Compressor + Outdoor Fan Power consumption (kW)															
Outdoor Unit Dry-Bulb (°C)	Outdoor Unit 100% Cooling Capacity (kW)	100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	79.1	79.1	27.1	71.2	22.3	63.3	18.1	55.4	14.3	47.5	10.9	39.5	8.10	31.6	5.75	23.7	3.89
39 °C	80.4	80.4	26.7	72.3	22.0	64.3	17.8	56.3	14.0	48.2	10.8	40.2	7.98	32.1	5.67	24.1	3.83
37 °C	82.8	82.8	25.9	74.5	21.3	66.2	17.3	57.9	13.6	49.7	10.5	41.4	7.74	33.1	5.50	24.8	3.71
35 °C	85.0	85.0	25.1	76.5	20.7	68.0	16.7	59.5	13.2	51.0	10.1	42.5	7.50	34.0	5.32	25.5	3.60
33 °C	85.0	85.0	23.2	76.5	19.2	68.0	15.5	59.5	12.2	51.0	9.41	42.5	6.98	34.0	4.97	25.5	3.38
31 °C	85.0	85.0	21.6	76.5	17.8	68.0	14.4	59.5	11.4	51.0	8.76	42.5	6.52	34.0	4.66	25.5	3.18
30 °C	85.0	85.0	20.8	76.5	17.2	68.0	13.9	59.5	11.0	51.0	8.47	42.5	6.30	34.0	4.51	25.5	3.08
29 °C	85.0	85.0	20.1	76.5	16.6	68.0	13.4	59.5	10.6	51.0	8.18	42.5	6.10	34.0	4.37	25.5	2.99
27 °C	85.0	85.0	18.7	76.5	15.5	68.0	12.5	59.5	9.92	51.0	7.65	42.5	5.71	34.0	4.10	25.5	2.82
25 °C	85.0	85.0	17.5	76.5	14.4	68.0	11.7	59.5	9.28	51.0	7.17	42.5	5.36	34.0	3.85	25.5	2.66
23 °C	85.0	85.0	16.7	76.5	13.8	68.0	11.2	59.5	8.88	51.0	6.86	42.5	5.14	34.0	3.70	25.5	2.56
21 °C	85.0	85.0	16.3	76.5	13.5	68.0	11.0	59.5	8.70	51.0	6.73	42.5	5.04	34.0	3.64	25.5	2.53
20 °C	85.0	85.0	16.2	76.5	13.4	68.0	10.9	59.5	8.63	51.0	6.67	42.5	5.00	34.0	3.62	25.5	2.51
19 °C	85.0	85.0	16.0	76.5	13.3	68.0	10.8	59.5	8.55	51.0	6.62	42.5	4.96	34.0	3.59	25.5	2.50
17 °C	85.0	85.0	15.8	76.5	13.0	68.0	10.6	59.5	8.42	51.0	6.52	42.5	4.90	34.0	3.55	25.5	2.47
15 °C	85.0	85.0	15.5	76.5	12.9	68.0	10.4	59.5	8.31	51.0	6.44	42.5	4.84	34.0	3.51	25.5	2.45

TC : Total Capacity PI : Power Input
 Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb



MMY-AP3216T5P (32HP, 90kW system)

Cooling Outdoor Unit Dry-Bulb (°C)		Outdoor Unit 100% Cooling Capacity (kW)		Compressor + Outdoor Fan Power consumption (kW)															
				100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
				TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
				(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	83.8	83.8	29.4	75.4	24.2	67.0	19.5	58.6	15.3	50.3	11.7	41.9	8.62	33.5	6.06	25.1	4.03		
39 °C	85.1	85.1	28.9	76.6	23.8	68.1	19.2	59.6	15.1	51.1	11.5	42.5	8.49	34.0	5.97	25.5	3.97		
37 °C	87.6	87.6	28.1	78.9	23.1	70.1	18.6	61.3	14.6	52.6	11.2	43.8	8.24	35.1	5.79	26.3	3.85		
35 °C	90.0	90.0	27.2	81.0	22.4	72.0	18.0	63.0	14.2	54.0	10.8	45.0	7.98	36.0	5.61	27.0	3.73		
33 °C	90.0	90.0	25.2	81.0	20.7	72.0	16.7	63.0	13.2	54.0	10.1	45.0	7.42	36.0	5.23	27.0	3.50		
31 °C	90.0	90.0	23.3	81.0	19.2	72.0	15.5	63.0	12.2	54.0	9.37	45.0	6.92	36.0	4.90	27.0	3.29		
30 °C	90.0	90.0	22.5	81.0	18.5	72.0	15.0	63.0	11.8	54.0	9.05	45.0	6.69	36.0	4.74	27.0	3.19		
29 °C	90.0	90.0	21.7	81.0	17.9	72.0	14.5	63.0	11.4	54.0	8.74	45.0	6.47	36.0	4.59	27.0	3.09		
27 °C	90.0	90.0	20.3	81.0	16.7	72.0	13.5	63.0	10.6	54.0	8.17	45.0	6.06	36.0	4.30	27.0	2.91		
25 °C	90.0	90.0	18.9	81.0	15.6	72.0	12.6	63.0	9.96	54.0	7.65	45.0	5.68	36.0	4.04	27.0	2.74		
23 °C	90.0	90.0	18.1	81.0	14.9	72.0	12.0	63.0	9.52	54.0	7.32	45.0	5.44	36.0	3.88	27.0	2.64		
21 °C	90.0	90.0	17.7	81.0	14.6	72.0	11.8	63.0	9.33	54.0	7.18	45.0	5.34	36.0	3.81	27.0	2.60		
20 °C	90.0	90.0	17.5	81.0	14.4	72.0	11.7	63.0	9.24	54.0	7.11	45.0	5.29	36.0	3.79	27.0	2.59		
19 °C	90.0	90.0	17.3	81.0	14.3	72.0	11.6	63.0	9.16	54.0	7.05	45.0	5.25	36.0	3.76	27.0	2.57		
17 °C	90.0	90.0	17.0	81.0	14.1	72.0	11.4	63.0	9.02	54.0	6.95	45.0	5.18	36.0	3.71	27.0	2.54		
15 °C	90.0	90.0	16.8	81.0	13.9	72.0	11.2	63.0	8.90	54.0	6.86	45.0	5.11	36.0	3.67	27.0	2.52		

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

MMY-AP3416T5P (34HP, 95.4kW system)

Cooling Outdoor Unit Dry-Bulb (°C)		Outdoor Unit 100% Cooling Capacity (kW)		Compressor + Outdoor Fan Power consumption (kW)															
				100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
				TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
				(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	88.8	88.8	29.8	79.9	24.7	71.0	20.1	62.1	16.0	53.3	12.4	44.4	9.26	35.5	6.63	26.6	4.49		
39 °C	90.2	90.2	29.4	81.2	24.3	72.2	19.8	63.1	15.8	54.1	12.2	45.1	9.12	36.1	6.53	27.1	4.43		
37 °C	92.9	92.9	28.5	83.6	23.6	74.3	19.2	65.0	15.3	55.7	11.8	46.4	8.85	37.2	6.33	27.9	4.29		
35 °C	95.4	95.4	27.6	85.9	22.9	76.3	18.6	66.8	14.8	57.2	11.5	47.7	8.57	38.2	6.13	28.6	4.16		
33 °C	95.4	95.4	25.6	85.9	21.2	76.3	17.3	66.8	13.8	57.2	10.7	47.7	7.99	38.2	5.73	28.6	3.90		
31 °C	95.4	95.4	23.8	85.9	19.7	76.3	16.1	66.8	12.8	57.2	9.95	47.7	7.46	38.2	5.37	28.6	3.67		
30 °C	95.4	95.4	22.9	85.9	19.0	76.3	15.5	66.8	12.4	57.2	9.61	47.7	7.22	38.2	5.20	28.6	3.56		
29 °C	95.4	95.4	22.1	85.9	18.4	76.3	15.0	66.8	12.0	57.2	9.30	47.7	6.99	38.2	5.04	28.6	3.45		
27 °C	95.4	95.4	20.7	85.9	17.2	76.3	14.0	66.8	11.2	57.2	8.70	47.7	6.55	38.2	4.73	28.6	3.26		
25 °C	95.4	95.4	19.3	85.9	16.1	76.3	13.1	66.8	10.5	57.2	8.15	47.7	6.15	38.2	4.45	28.6	3.07		
23 °C	95.4	95.4	18.5	85.9	15.4	76.3	12.5	66.8	10.0	57.2	7.81	47.7	5.90	38.2	4.28	28.6	2.96		
21 °C	95.4	95.4	18.1	85.9	15.0	76.3	12.3	66.8	9.84	57.2	7.67	47.7	5.79	38.2	4.21	28.6	2.91		
20 °C	95.4	95.4	17.9	85.9	14.9	76.3	12.2	66.8	9.75	57.2	7.60	47.7	5.75	38.2	4.18	28.6	2.90		
19 °C	95.4	95.4	17.8	85.9	14.8	76.3	12.1	66.8	9.67	57.2	7.54	47.7	5.70	38.2	4.15	28.6	2.88		
17 °C	95.4	95.4	17.5	85.9	14.5	76.3	11.9	66.8	9.52	57.2	7.44	47.7	5.63	38.2	4.10	28.6	2.85		
15 °C	95.4	95.4	17.2	85.9	14.3	76.3	11.7	66.8	9.40	57.2	7.34	47.7	5.56	38.2	4.05	28.6	2.82		

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

MMY-AP3616T5P (36HP, 101.0kW system)

Cooling		Compressor + Outdoor Fan Power consumption (kW)															
Outdoor Unit Dry-Bulb (°C)	Outdoor Unit 100% Cooling Capacity (kW)	100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	94.0	94.0	33.9	84.6	27.8	75.2	22.3	65.8	17.4	56.4	13.2	47.0	9.71	37.6	6.84	28.2	4.64
39 °C	95.5	95.5	33.4	85.9	27.3	76.4	21.9	66.8	17.2	57.3	13.0	47.7	9.56	38.2	6.74	28.6	4.57
37 °C	98.3	98.3	32.4	88.5	26.5	78.7	21.3	68.8	16.6	59.0	12.6	49.2	9.27	39.3	6.54	29.5	4.43
35 °C	101.0	101.0	31.5	90.9	25.7	80.8	20.6	70.7	16.1	60.6	12.2	50.5	8.98	40.4	6.33	30.3	4.29
33 °C	101.0	101.0	29.0	90.9	23.8	80.8	19.1	70.7	14.9	60.6	11.4	50.5	8.36	40.4	5.91	30.3	4.03
31 °C	101.0	101.0	26.9	90.9	22.0	80.8	17.7	70.7	13.9	60.6	10.6	50.5	7.79	40.4	5.53	30.3	3.80
30 °C	101.0	101.0	25.9	90.9	21.2	80.8	17.1	70.7	13.4	60.6	10.2	50.5	7.53	40.4	5.36	30.3	3.69
29 °C	101.0	101.0	25.0	90.9	20.5	80.8	16.5	70.7	12.9	60.6	9.86	50.5	7.28	40.4	5.19	30.3	3.58
27 °C	101.0	101.0	23.3	90.9	19.1	80.8	15.4	70.7	12.1	60.6	9.21	50.5	6.82	40.4	4.87	30.3	3.38
25 °C	101.0	101.0	21.7	90.9	17.8	80.8	14.3	70.7	11.3	60.6	8.62	50.5	6.39	40.4	4.58	30.3	3.19
23 °C	101.0	101.0	20.7	90.9	17.0	80.8	13.7	70.7	10.8	60.6	8.25	50.5	6.13	40.4	4.40	30.3	3.07
21 °C	101.0	101.0	20.3	90.9	16.6	80.8	13.4	70.7	10.55	60.6	8.09	50.5	6.01	40.4	4.33	30.3	3.03
20 °C	101.0	101.0	20.1	90.9	16.5	80.8	13.3	70.7	10.45	60.6	8.01	50.5	5.96	40.4	4.30	30.3	3.02
19 °C	101.0	101.0	19.9	90.9	16.3	80.8	13.1	70.7	10.36	60.6	7.95	50.5	5.92	40.4	4.27	30.3	3.00
17 °C	101.0	101.0	19.5	90.9	16.0	80.8	12.9	70.7	10.19	60.6	7.83	50.5	5.83	40.4	4.21	30.3	2.97
15 °C	101.0	101.0	19.2	90.9	15.8	80.8	12.7	70.7	10.05	60.6	7.72	50.5	5.76	40.4	4.17	30.3	2.95

TC : Total Capacity PI : Power Input
 Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

MMY-AP3816T5P (38HP, 106.4kW system)

Cooling		Compressor + Outdoor Fan Power consumption (kW)															
Outdoor Unit Dry-Bulb (°C)	Outdoor Unit 100% Cooling Capacity (kW)	100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	99.0	99.0	34.3	89.1	28.3	79.2	22.9	69.3	18.1	59.4	13.9	49.5	10.3	39.6	7.41	29.7	5.10
39 °C	100.6	100.6	33.8	90.5	27.9	80.5	22.5	70.4	17.8	60.4	13.7	50.3	10.2	40.2	7.30	30.2	5.02
37 °C	103.6	103.6	32.8	93.2	27.0	82.9	21.9	72.5	17.3	62.2	13.3	51.8	9.88	41.4	7.08	31.1	4.87
35 °C	106.4	106.4	31.9	95.8	26.2	85.1	21.2	74.5	16.7	63.8	12.9	53.2	9.57	42.6	6.86	31.9	4.72
33 °C	106.4	106.4	29.4	95.8	24.3	85.1	19.6	74.5	15.5	63.8	12.0	53.2	8.92	42.6	6.41	31.9	4.43
31 °C	106.4	106.4	27.3	95.8	22.5	85.1	18.2	74.5	14.5	63.8	11.1	53.2	8.33	42.6	6.01	31.9	4.18
30 °C	106.4	106.4	26.3	95.8	21.7	85.1	17.6	74.5	14.0	63.8	10.8	53.2	8.06	42.6	5.82	31.9	4.06
29 °C	106.4	106.4	25.4	95.8	21.0	85.1	17.0	74.5	13.5	63.8	10.4	53.2	7.80	42.6	5.64	31.9	3.94
27 °C	106.4	106.4	23.7	95.8	19.6	85.1	15.9	74.5	12.6	63.8	9.74	53.2	7.31	42.6	5.30	31.9	3.72
25 °C	106.4	106.4	22.1	95.8	18.3	85.1	14.8	74.5	11.8	63.8	9.13	53.2	6.86	42.6	4.99	31.9	3.51
23 °C	106.4	106.4	21.1	95.8	17.5	85.1	14.2	74.5	11.3	63.8	8.74	53.2	6.58	42.6	4.80	31.9	3.39
21 °C	106.4	106.4	20.7	95.8	17.1	85.1	13.9	74.5	11.1	63.8	8.58	53.2	6.47	42.6	4.72	31.9	3.35
20 °C	106.4	106.4	20.5	95.8	17.0	85.1	13.8	74.5	11.0	63.8	8.50	53.2	6.42	42.6	4.69	31.9	3.33
19 °C	106.4	106.4	20.3	95.8	16.8	85.1	13.7	74.5	10.9	63.8	8.44	53.2	6.37	42.6	4.66	31.9	3.31
17 °C	106.4	106.4	20.0	95.8	16.5	85.1	13.4	74.5	10.7	63.8	8.31	53.2	6.28	42.6	4.60	31.9	3.28
15 °C	106.4	106.4	19.7	95.8	16.3	85.1	13.3	74.5	10.6	63.8	8.21	53.2	6.21	42.6	4.56	31.9	3.25

TC : Total Capacity PI : Power Input
 Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

MMY-AP4016T5P (40HP, 112kW system)

Cooling		Compressor + Outdoor Fan Power consumption (kW)															
Outdoor Unit Dry-Bulb (°C)	Outdoor Unit 100% Cooling Capacity (kW)	100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	104.2	104.2	38.5	93.8	31.3	83.4	25.0	73.0	19.5	62.5	14.8	52.1	10.8	41.7	7.62	31.3	5.24
39 °C	105.9	105.9	37.9	95.3	30.9	84.7	24.7	74.1	19.2	63.5	14.5	52.9	10.6	42.4	7.51	31.8	5.16
37 °C	109.1	109.1	36.7	98.2	29.9	87.2	23.9	76.3	18.6	65.4	14.1	54.5	10.3	43.6	7.28	32.7	5.01
35 °C	112.0	112.0	35.8	100.8	29.0	89.6	23.2	78.4	18.0	67.2	13.7	56.0	9.99	44.8	7.05	33.6	4.85
33 °C	112.0	112.0	32.9	100.8	26.8	89.6	21.4	78.4	16.7	67.2	12.7	56.0	9.29	44.8	6.59	33.6	4.57
31 °C	112.0	112.0	30.4	100.8	24.8	89.6	19.9	78.4	15.5	67.2	11.8	56.0	8.66	44.8	6.17	33.6	4.31
30 °C	112.0	112.0	29.3	100.8	23.9	89.6	19.2	78.4	15.0	67.2	11.4	56.0	8.37	44.8	5.98	33.6	4.18
29 °C	112.0	112.0	28.3	100.8	23.1	89.6	18.5	78.4	14.4	67.2	11.0	56.0	8.10	44.8	5.79	33.6	4.07
27 °C	112.0	112.0	26.3	100.8	21.5	89.6	17.2	78.4	13.5	67.2	10.3	56.0	7.58	44.8	5.44	33.6	3.84
25 °C	112.0	112.0	24.5	100.8	20.1	89.6	16.1	78.4	12.6	67.2	9.59	56.0	7.11	44.8	5.12	33.6	3.63
23 °C	112.0	112.0	23.4	100.8	19.1	89.6	15.3	78.4	12.0	67.2	9.18	56.0	6.81	44.8	4.92	33.6	3.51
21 °C	112.0	112.0	22.9	100.8	18.7	89.6	15.0	78.4	11.8	67.2	9.00	56.0	6.69	44.8	4.84	33.6	3.47
20 °C	112.0	112.0	22.6	100.8	18.5	89.6	14.9	78.4	11.7	67.2	8.91	56.0	6.63	44.8	4.81	33.6	3.45
19 °C	112.0	112.0	22.4	100.8	18.3	89.6	14.7	78.4	11.6	67.2	8.84	56.0	6.58	44.8	4.78	33.6	3.43
17 °C	112.0	112.0	22.0	100.8	18.0	89.6	14.5	78.4	11.4	67.2	8.70	56.0	6.49	44.8	4.72	33.6	3.40
15 °C	112.0	112.0	21.7	100.8	17.8	89.6	14.3	78.4	11.2	67.2	8.59	56.0	6.41	44.8	4.67	33.6	3.37

TC : Total Capacity PI : Power Input
 Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

MMY-AP4216T5P (42HP, 118.5kW system)

Cooling		Compressor + Outdoor Fan Power consumption (kW)															
Outdoor Unit Dry-Bulb (°C)	Outdoor Unit 100% Cooling Capacity (kW)	100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	110.3	110.3	37.3	99.2	30.7	88.2	24.9	77.2	19.6	66.2	15.1	55.1	11.2	44.1	7.96	33.1	5.39
39 °C	112.0	112.0	36.7	100.8	30.3	89.6	24.5	78.4	19.4	67.2	14.9	56.0	11.0	44.8	7.84	33.6	5.31
37 °C	115.4	115.4	35.6	103.9	29.4	92.3	23.8	80.8	18.8	69.2	14.4	57.7	10.7	46.2	7.61	34.6	5.15
35 °C	118.5	118.5	34.5	106.7	28.4	94.8	23.0	83.0	18.2	71.1	14.0	59.3	10.4	47.4	7.37	35.6	4.99
33 °C	118.5	118.5	31.9	106.7	26.4	94.8	21.3	83.0	16.9	71.1	13.0	59.3	9.65	47.4	6.88	35.6	4.69
31 °C	118.5	118.5	29.7	106.7	24.5	94.8	19.8	83.0	15.7	71.1	12.1	59.3	9.01	47.4	6.45	35.6	4.41
30 °C	118.5	118.5	28.6	106.7	23.6	94.8	19.1	83.0	15.2	71.1	11.7	59.3	8.71	47.4	6.24	35.6	4.28
29 °C	118.5	118.5	27.6	106.7	22.8	94.8	18.5	83.0	14.6	71.1	11.3	59.3	8.43	47.4	6.05	35.6	4.15
27 °C	118.5	118.5	25.7	106.7	21.3	94.8	17.3	83.0	13.7	71.1	10.6	59.3	7.90	47.4	5.68	35.6	3.91
25 °C	118.5	118.5	24.0	106.7	19.9	94.8	16.1	83.0	12.8	71.1	9.89	59.3	7.40	47.4	5.34	35.6	3.69
23 °C	118.5	118.5	23.0	106.7	19.0	94.8	15.4	83.0	12.2	71.1	9.47	59.3	7.10	47.4	5.13	35.6	3.56
21 °C	118.5	118.5	22.5	106.7	18.6	94.8	15.1	83.0	12.0	71.1	9.29	59.3	6.97	47.4	5.05	35.6	3.51
20 °C	118.5	118.5	22.3	106.7	18.4	94.8	15.0	83.0	11.9	71.1	9.21	59.3	6.92	47.4	5.01	35.6	3.49
19 °C	118.5	118.5	22.1	106.7	18.3	94.8	14.8	83.0	11.8	71.1	9.14	59.3	6.86	47.4	4.97	35.6	3.47
17 °C	118.5	118.5	21.7	106.7	18.0	94.8	14.6	83.0	11.6	71.1	9.00	59.3	6.77	47.4	4.91	35.6	3.44
15 °C	118.5	118.5	21.4	106.7	17.7	94.8	14.4	83.0	11.5	71.1	8.89	59.3	6.69	47.4	4.86	35.6	3.42

TC : Total Capacity PI : Power Input
 Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

MMY-AP4416T5P (44HP, 123.5kW system)

Cooling		Compressor + Outdoor Fan Power consumption (kW)															
Outdoor Unit Dry-Bulb (°C)	Outdoor Unit 100% Cooling Capacity (kW)	100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	114.9	114.9	39.5	103.4	32.6	91.9	26.3	80.4	20.7	69.0	15.9	57.5	11.7	46.0	8.27	34.5	5.54
39 °C	116.8	116.8	39.0	105.1	32.1	93.4	25.9	81.7	20.4	70.1	15.6	58.4	11.5	46.7	8.15	35.0	5.46
37 °C	120.3	120.3	37.8	108.2	31.1	96.2	25.1	84.2	19.8	72.2	15.2	60.1	11.2	48.1	7.90	36.1	5.29
35 °C	123.5	123.5	36.6	111.2	30.1	98.8	24.3	86.5	19.2	74.1	14.7	61.8	10.8	49.4	7.65	37.1	5.12
33 °C	123.5	123.5	33.9	111.2	27.9	98.8	22.5	86.5	17.8	74.1	13.6	61.8	10.1	49.4	7.14	37.1	4.81
31 °C	123.5	123.5	31.4	111.2	25.9	98.8	20.9	86.5	16.5	74.1	12.7	61.8	9.41	49.4	6.68	37.1	4.52
30 °C	123.5	123.5	30.3	111.2	25.0	98.8	20.2	86.5	16.0	74.1	12.3	61.8	9.10	49.4	6.47	37.1	4.38
29 °C	123.5	123.5	29.3	111.2	24.1	98.8	19.5	86.5	15.4	74.1	11.9	61.8	8.80	49.4	6.27	37.1	4.25
27 °C	123.5	123.5	27.3	111.2	22.5	98.8	18.2	86.5	14.4	74.1	11.1	61.8	8.24	49.4	5.88	37.1	4.01
25 °C	123.5	123.5	25.5	111.2	21.0	98.8	17.0	86.5	13.5	74.1	10.4	61.8	7.72	49.4	5.53	37.1	3.78
23 °C	123.5	123.5	24.3	111.2	20.1	98.8	16.3	86.5	12.9	74.1	9.93	61.8	7.40	49.4	5.31	37.1	3.64
21 °C	123.5	123.5	23.8	111.2	19.7	98.8	15.9	86.5	12.6	74.1	9.74	61.8	7.27	49.4	5.22	37.1	3.59
20 °C	123.5	123.5	23.6	111.2	19.5	98.8	15.8	86.5	12.5	74.1	9.65	61.8	7.21	49.4	5.18	37.1	3.56
19 °C	123.5	123.5	23.4	111.2	19.3	98.8	15.6	86.5	12.4	74.1	9.57	61.8	7.15	49.4	5.14	37.1	3.54
17 °C	123.5	123.5	23.0	111.2	19.0	98.8	15.4	86.5	12.2	74.1	9.43	61.8	7.05	49.4	5.08	37.1	3.51
15 °C	123.5	123.5	22.6	111.2	18.7	98.8	15.2	86.5	12.0	74.1	9.31	61.8	6.97	49.4	5.02	37.1	3.49

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

MMY-AP4616T5P (46HP, 130kW system)

Cooling		Compressor + Outdoor Fan Power consumption (kW)															
Outdoor Unit Dry-Bulb (°C)	Outdoor Unit 100% Cooling Capacity (kW)	100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	121.0	121.0	41.8	108.9	34.4	96.8	27.8	84.7	21.9	72.6	16.8	60.5	12.4	48.4	8.78	36.3	5.90
39 °C	122.9	122.9	41.2	110.6	33.9	98.3	27.4	86.0	21.6	73.8	16.5	61.5	12.2	49.2	8.65	36.9	5.82
37 °C	126.6	126.6	39.9	113.9	32.9	101.3	26.6	88.6	20.9	76.0	16.0	63.3	11.9	50.6	8.39	38.0	5.64
35 °C	130.0	130.0	38.7	117.0	31.9	104.0	25.7	91.0	20.3	78.0	15.5	65.0	11.5	52.0	8.13	39.0	5.46
33 °C	130.0	130.0	35.8	117.0	29.5	104.0	23.8	91.0	18.8	78.0	14.4	65.0	10.7	52.0	7.59	39.0	5.13
31 °C	130.0	130.0	33.2	117.0	27.4	104.0	22.2	91.0	17.5	78.0	13.4	65.0	9.98	52.0	7.10	39.0	4.82
30 °C	130.0	130.0	32.1	117.0	26.4	104.0	21.4	91.0	16.9	78.0	13.0	65.0	9.65	52.0	6.88	39.0	4.68
29 °C	130.0	130.0	30.9	117.0	25.5	104.0	20.6	91.0	16.3	78.0	12.6	65.0	9.33	52.0	6.66	39.0	4.54
27 °C	130.0	130.0	28.8	117.0	23.8	104.0	19.3	91.0	15.2	78.0	11.7	65.0	8.74	52.0	6.25	39.0	4.28
25 °C	130.0	130.0	26.9	117.0	22.2	104.0	18.0	91.0	14.3	78.0	11.0	65.0	8.20	52.0	5.88	39.0	4.03
23 °C	130.0	130.0	25.7	117.0	21.2	104.0	17.2	91.0	13.6	78.0	10.5	65.0	7.86	52.0	5.64	39.0	3.88
21 °C	130.0	130.0	25.2	117.0	20.8	104.0	16.9	91.0	13.4	78.0	10.3	65.0	7.71	52.0	5.55	39.0	3.83
20 °C	130.0	130.0	24.9	117.0	20.6	104.0	16.7	91.0	13.2	78.0	10.2	65.0	7.65	52.0	5.51	39.0	3.80
19 °C	130.0	130.0	24.7	117.0	20.4	104.0	16.6	91.0	13.1	78.0	10.1	65.0	7.59	52.0	5.47	39.0	3.78
17 °C	130.0	130.0	24.3	117.0	20.1	104.0	16.3	91.0	12.9	78.0	10.0	65.0	7.48	52.0	5.40	39.0	3.74
15 °C	130.0	130.0	23.9	117.0	19.8	104.0	16.1	91.0	12.8	78.0	9.87	65.0	7.39	52.0	5.34	39.0	3.71

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

MMY-AP4816T5P (48HP, 135kW system)

Cooling		Compressor + Outdoor Fan Power consumption (kW)															
Outdoor Unit Dry-Bulb (°C)	Outdoor Unit 100% Cooling Capacity (kW)	100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	125.6	125.6	44.1	113.1	36.3	100.5	29.2	87.9	23.0	75.4	17.6	62.8	12.9	50.3	9.09	37.7	6.05
39 °C	127.6	127.6	43.4	114.9	35.7	102.1	28.8	89.4	22.7	76.6	17.3	63.8	12.7	51.1	8.96	38.3	5.96
37 °C	131.5	131.5	42.1	118.3	34.6	105.2	27.9	92.0	22.0	78.9	16.8	65.7	12.4	52.6	8.69	39.4	5.78
35 °C	135.0	135.0	40.8	121.5	33.6	108.0	27.0	94.5	21.3	81.0	16.3	67.5	12.0	54.0	8.41	40.5	5.60
33 °C	135.0	135.0	37.7	121.5	31.1	108.0	25.1	94.5	19.7	81.0	15.1	67.5	11.1	54.0	7.85	40.5	5.25
31 °C	135.0	135.0	35.0	121.5	28.8	108.0	23.3	94.5	18.4	81.0	14.1	67.5	10.4	54.0	7.34	40.5	4.93
30 °C	135.0	135.0	33.8	121.5	27.8	108.0	22.5	94.5	17.7	81.0	13.6	67.5	10.0	54.0	7.11	40.5	4.78
29 °C	135.0	135.0	32.6	121.5	26.8	108.0	21.7	94.5	17.1	81.0	13.1	67.5	9.71	54.0	6.88	40.5	4.64
27 °C	135.0	135.0	30.4	121.5	25.0	108.0	20.2	94.5	16.0	81.0	12.3	67.5	9.09	54.0	6.46	40.5	4.37
25 °C	135.0	135.0	28.4	121.5	23.4	108.0	18.9	94.5	14.9	81.0	11.5	67.5	8.51	54.0	6.06	40.5	4.12
23 °C	135.0	135.0	27.1	121.5	22.3	108.0	18.1	94.5	14.3	81.0	11.0	67.5	8.16	54.0	5.82	40.5	3.96
21 °C	135.0	135.0	26.5	121.5	21.9	108.0	17.7	94.5	14.0	81.0	10.8	67.5	8.01	54.0	5.72	40.5	3.91
20 °C	135.0	135.0	26.2	121.5	21.6	108.0	17.5	94.5	13.9	81.0	10.7	67.5	7.94	54.0	5.68	40.5	3.88
19 °C	135.0	135.0	26.0	121.5	21.4	108.0	17.4	94.5	13.7	81.0	10.6	67.5	7.88	54.0	5.64	40.5	3.86
17 °C	135.0	135.0	25.6	121.5	21.1	108.0	17.1	94.5	13.5	81.0	10.4	67.5	7.77	54.0	5.56	40.5	3.81
15 °C	135.0	135.0	25.2	121.5	20.8	108.0	16.8	94.5	13.3	81.0	10.3	67.5	7.67	54.0	5.50	40.5	3.78

TC : Total Capacity PI : Power Input
 Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

MMY-AP5016T5P (50HP, 140.4kW system)

Cooling		Compressor + Outdoor Fan Power consumption (kW)															
Outdoor Unit Dry-Bulb (°C)	Outdoor Unit 100% Cooling Capacity (kW)	100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	130.7	130.7	44.5	117.6	36.8	104.5	29.9	91.5	23.7	78.4	18.2	65.3	13.6	52.3	9.66	39.2	6.51
39 °C	132.8	132.8	43.8	119.5	36.3	106.2	29.4	92.9	23.3	79.7	18.0	66.4	13.4	53.1	9.52	39.8	6.41
37 °C	136.7	136.7	42.5	123.0	35.2	109.4	28.5	95.7	22.6	82.0	17.4	68.4	13.0	54.7	9.23	41.0	6.22
35 °C	140.4	140.4	41.2	126.4	34.1	112.3	27.6	98.3	21.9	84.2	16.9	70.2	12.6	56.2	8.94	42.1	6.02
33 °C	140.4	140.4	38.1	126.4	31.6	112.3	25.6	98.3	20.3	84.2	15.7	70.2	11.7	56.2	8.35	42.1	5.65
31 °C	140.4	140.4	35.4	126.4	29.3	112.3	23.8	98.3	18.9	84.2	14.6	70.2	10.9	56.2	7.82	42.1	5.31
30 °C	140.4	140.4	34.2	126.4	28.3	112.3	23.0	98.3	18.3	84.2	14.1	70.2	10.6	56.2	7.57	42.1	5.15
29 °C	140.4	140.4	33.0	126.4	27.3	112.3	22.2	98.3	17.7	84.2	13.7	70.2	10.2	56.2	7.33	42.1	5.00
27 °C	140.4	140.4	30.8	126.4	25.5	112.3	20.8	98.3	16.5	84.2	12.8	70.2	9.58	56.2	6.89	42.1	4.71
25 °C	140.4	140.4	28.8	126.4	23.8	112.3	19.4	98.3	15.5	84.2	12.0	70.2	8.98	56.2	6.47	42.1	4.44
23 °C	140.4	140.4	27.5	126.4	22.8	112.3	18.6	98.3	14.8	84.2	11.5	70.2	8.62	56.2	6.22	42.1	4.28
21 °C	140.4	140.4	26.9	126.4	22.3	112.3	18.2	98.3	14.5	84.2	11.3	70.2	8.46	56.2	6.12	42.1	4.22
20 °C	140.4	140.4	26.7	126.4	22.1	112.3	18.0	98.3	14.4	84.2	11.2	70.2	8.39	56.2	6.07	42.1	4.19
19 °C	140.4	140.4	26.4	126.4	21.9	112.3	17.9	98.3	14.2	84.2	11.1	70.2	8.33	56.2	6.03	42.1	4.16
17 °C	140.4	140.4	26.0	126.4	21.6	112.3	17.6	98.3	14.0	84.2	10.9	70.2	8.22	56.2	5.95	42.1	4.12
15 °C	140.4	140.4	25.6	126.4	21.3	112.3	17.4	98.3	13.8	84.2	10.8	70.2	8.12	56.2	5.89	42.1	4.08

TC : Total Capacity PI : Power Input
 Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

MMY-AP5216T5P (52HP, 146.0kW system)

Cooling		Compressor + Outdoor Fan Power consumption (kW)															
Outdoor Unit Dry-Bulb (°C)	Outdoor Unit 100% Cooling Capacity (kW)	100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	135.9	135.9	48.6	122.3	39.8	108.7	32.0	95.1	25.1	81.5	19.1	67.9	14.0	54.3	9.87	40.8	6.65
39 °C	138.0	138.0	47.9	124.2	39.3	110.4	31.5	96.6	24.7	82.8	18.8	69.0	13.8	55.2	9.73	41.4	6.55
37 °C	142.2	142.2	46.4	128.0	38.1	113.7	30.6	99.5	24.0	85.3	18.2	71.1	13.4	56.9	9.43	42.7	6.36
35 °C	146.0	146.0	45.1	131.4	36.9	116.8	29.6	102.2	23.2	87.6	17.7	73.0	13.0	58.4	9.14	43.8	6.16
33 °C	146.0	146.0	41.6	131.4	34.1	116.8	27.4	102.2	21.5	87.6	16.4	73.0	12.1	58.4	8.53	43.8	5.78
31 °C	146.0	146.0	38.6	131.4	31.6	116.8	25.5	102.2	20.0	87.6	15.3	73.0	11.3	58.4	7.98	43.8	5.44
30 °C	146.0	146.0	37.2	131.4	30.5	116.8	24.5	102.2	19.3	87.6	14.7	73.0	10.9	58.4	7.73	43.8	5.28
29 °C	146.0	146.0	35.9	131.4	29.4	116.8	23.7	102.2	18.6	87.6	14.2	73.0	10.5	58.4	7.48	43.8	5.13
27 °C	146.0	146.0	33.4	131.4	27.4	116.8	22.1	102.2	17.4	87.6	13.3	73.0	9.85	58.4	7.03	43.8	4.83
25 °C	146.0	146.0	31.2	131.4	25.6	116.8	20.6	102.2	16.2	87.6	12.4	73.0	9.23	58.4	6.60	43.8	4.56
23 °C	146.0	146.0	29.8	131.4	24.5	116.8	19.7	102.2	15.5	87.6	11.9	73.0	8.85	58.4	6.34	43.8	4.40
21 °C	146.0	146.0	29.1	131.4	23.9	116.8	19.3	102.2	15.2	87.6	11.7	73.0	8.68	58.4	6.24	43.8	4.34
20 °C	146.0	146.0	28.8	131.4	23.7	116.8	19.1	102.2	15.1	87.6	11.6	73.0	8.61	58.4	6.19	43.8	4.31
19 °C	146.0	146.0	28.5	131.4	23.5	116.8	18.9	102.2	14.9	87.6	11.5	73.0	8.54	58.4	6.15	43.8	4.29
17 °C	146.0	146.0	28.1	131.4	23.1	116.8	18.6	102.2	14.7	87.6	11.3	73.0	8.42	58.4	6.07	43.8	4.24
15 °C	146.0	146.0	27.6	131.4	22.7	116.8	18.4	102.2	14.5	87.6	11.2	73.0	8.32	58.4	6.00	43.8	4.21

TC : Total Capacity PI : Power Input
 Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

MMY-AP5416T5P (54HP, 152.0kW system)

Cooling		Compressor + Outdoor Fan Power consumption (kW)															
Outdoor Unit Dry-Bulb (°C)	Outdoor Unit 100% Cooling Capacity (kW)	100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	141.4	141.4	50.9	127.3	41.6	113.2	33.3	99.0	26.1	84.9	19.8	70.7	14.6	56.6	10.3	42.4	7.11
39 °C	143.7	143.7	50.1	129.3	41.0	115.0	32.9	100.6	25.7	86.2	19.5	71.9	14.4	57.5	10.2	43.1	7.01
37 °C	148.0	148.0	48.6	133.2	39.8	118.4	31.9	103.6	24.9	88.8	18.9	74.0	13.9	59.2	9.88	44.4	6.79
35 °C	152.0	152.0	47.3	136.8	38.5	121.6	30.9	106.4	24.1	91.2	18.4	76.0	13.5	60.8	9.57	45.6	6.58
33 °C	152.0	152.0	43.5	136.8	35.6	121.6	28.6	106.4	22.4	91.2	17.0	76.0	12.6	60.8	8.95	45.6	6.19
31 °C	152.0	152.0	40.3	136.8	33.0	121.6	26.5	106.4	20.8	91.2	15.9	76.0	11.7	60.8	8.38	45.6	5.84
30 °C	152.0	152.0	38.9	136.8	31.8	121.6	25.6	106.4	20.1	91.2	15.3	76.0	11.3	60.8	8.12	45.6	5.67
29 °C	152.0	152.0	37.5	136.8	30.7	121.6	24.7	106.4	19.4	91.2	14.8	76.0	11.0	60.8	7.87	45.6	5.51
27 °C	152.0	152.0	34.9	136.8	28.6	121.6	23.0	106.4	18.1	91.2	13.8	76.0	10.3	60.8	7.39	45.6	5.21
25 °C	152.0	152.0	32.6	136.8	26.7	121.6	21.5	106.4	16.9	91.2	12.9	76.0	9.63	60.8	6.95	45.6	4.92
23 °C	152.0	152.0	31.1	136.8	25.5	121.6	20.5	106.4	16.1	91.2	12.4	76.0	9.23	60.8	6.68	45.6	4.75
21 °C	152.0	152.0	30.4	136.8	24.9	121.6	20.1	106.4	15.8	91.2	12.1	76.0	9.06	60.8	6.58	45.6	4.69
20 °C	152.0	152.0	30.1	136.8	24.7	121.6	19.9	106.4	15.7	91.2	12.0	76.0	8.99	60.8	6.53	45.6	4.67
19 °C	152.0	152.0	29.8	136.8	24.5	121.6	19.7	106.4	15.5	91.2	11.9	76.0	8.92	60.8	6.49	45.6	4.64
17 °C	152.0	152.0	29.3	136.8	24.0	121.6	19.4	106.4	15.3	91.2	11.8	76.0	8.80	60.8	6.41	45.6	4.60
15 °C	152.0	152.0	28.8	136.8	23.7	121.6	19.1	106.4	15.1	91.2	11.6	76.0	8.69	60.8	6.35	45.6	4.56

TC : Total Capacity PI : Power Input
 Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb



MMY-AP5616T5P (56HP, 157.0kW system)

Cooling

Outdoor Unit Dry-Bulb (°C)	Outdoor Unit 100% Cooling Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
		100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	146.1	146.1	53.1	131.5	43.4	116.9	34.8	102.3	27.2	87.7	20.6	73.1	15.1	58.4	10.7	43.8	7.26
39 °C	148.4	148.4	52.4	133.6	42.8	118.8	34.3	103.9	26.8	89.1	20.3	74.2	14.9	59.4	10.5	44.5	7.15
37 °C	152.9	152.9	50.8	137.6	41.5	122.3	33.2	107.0	25.9	91.7	19.7	76.4	14.4	61.2	10.2	45.9	6.93
35 °C	157.0	157.0	49.4	141.3	40.2	125.6	32.2	109.9	25.1	94.2	19.1	78.5	14.0	62.8	9.86	47.1	6.71
33 °C	157.0	157.0	45.4	141.3	37.2	125.6	29.8	109.9	23.3	94.2	17.7	78.5	13.0	62.8	9.21	47.1	6.31
31 °C	157.0	157.0	42.1	141.3	34.5	125.6	27.6	109.9	21.6	94.2	16.5	78.5	12.1	62.8	8.62	47.1	5.95
30 °C	157.0	157.0	40.6	141.3	33.2	125.6	26.6	109.9	20.9	94.2	15.9	78.5	11.7	62.8	8.35	47.1	5.78
29 °C	157.0	157.0	39.1	141.3	32.0	125.6	25.7	109.9	20.1	94.2	15.4	78.5	11.3	62.8	8.09	47.1	5.61
27 °C	157.0	157.0	36.4	141.3	29.8	125.6	24.0	109.9	18.8	94.2	14.3	78.5	10.6	62.8	7.60	47.1	5.30
25 °C	157.0	157.0	34.0	141.3	27.8	125.6	22.4	109.9	17.6	94.2	13.4	78.5	9.94	62.8	7.14	47.1	5.00
23 °C	157.0	157.0	32.4	141.3	26.6	125.6	21.4	109.9	16.8	94.2	12.8	78.5	9.53	62.8	6.86	47.1	4.83
21 °C	157.0	157.0	31.7	141.3	26.0	125.6	20.9	109.9	16.4	94.2	12.6	78.5	9.36	62.8	6.75	47.1	4.77
20 °C	157.0	157.0	31.4	141.3	25.7	125.6	20.7	109.9	16.3	94.2	12.5	78.5	9.28	62.8	6.70	47.1	4.74
19 °C	157.0	157.0	31.1	141.3	25.5	125.6	20.5	109.9	16.1	94.2	12.4	78.5	9.21	62.8	6.66	47.1	4.72
17 °C	157.0	157.0	30.6	141.3	25.1	125.6	20.2	109.9	15.9	94.2	12.2	78.5	9.08	62.8	6.58	47.1	4.67
15 °C	157.0	157.0	30.1	141.3	24.7	125.6	19.9	109.9	15.7	94.2	12.0	78.5	8.97	62.8	6.51	47.1	4.63

TC : Total Capacity PI : Power Input
 Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

High efficiency model

MMY-AP2026T5P (20HP, 56kW system)

Cooling		Compressor + Outdoor Fan Power consumption (kW)															
Outdoor Unit Dry-Bulb (°C)	Outdoor Unit 100% Cooling Capacity (kW)	100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	52.1	52.1	15.7	46.9	12.9	41.7	10.4	36.5	8.22	31.3	6.38	26.1	4.87	20.8	3.67	15.6	2.80
39 °C	52.9	52.9	15.5	47.7	12.7	42.4	10.2	37.1	8.10	31.8	6.29	26.5	4.79	21.2	3.62	15.9	2.76
37 °C	54.5	54.5	15.0	49.1	12.3	43.6	9.92	38.2	7.85	32.7	6.10	27.3	4.65	21.8	3.51	16.4	2.68
35 °C	56.0	56.0	14.5	50.4	11.9	44.8	9.61	39.2	7.61	33.6	5.91	28.0	4.50	22.4	3.40	16.8	2.59
33 °C	56.0	56.0	13.4	50.4	11.0	44.8	8.91	39.2	7.07	33.6	5.50	28.0	4.21	22.4	3.20	16.8	2.46
31 °C	56.0	56.0	12.4	50.4	10.2	44.8	8.28	39.2	6.58	33.6	5.14	28.0	3.95	22.4	3.02	16.8	2.34
30 °C	56.0	56.0	12.0	50.4	9.87	44.8	7.99	39.2	6.36	33.6	4.97	28.0	3.83	22.4	2.94	16.8	2.29
29 °C	56.0	56.0	11.6	50.4	9.53	44.8	7.72	39.2	6.15	33.6	4.81	28.0	3.71	22.4	2.85	16.8	2.23
27 °C	56.0	56.0	10.8	50.4	8.89	44.8	7.21	39.2	5.75	33.6	4.51	28.0	3.49	22.4	2.70	16.8	2.12
25 °C	56.0	56.0	10.1	50.4	8.30	44.8	6.74	39.2	5.39	33.6	4.24	28.0	3.29	22.4	2.55	16.8	2.02
23 °C	56.0	56.0	9.62	50.4	7.93	44.8	6.45	39.2	5.16	33.6	4.06	28.0	3.17	22.4	2.46	16.8	1.96
21 °C	56.0	56.0	9.41	50.4	7.77	44.8	6.32	39.2	5.06	33.6	3.99	28.0	3.12	22.4	2.44	16.8	1.94
20 °C	56.0	56.0	9.31	50.4	7.69	44.8	6.26	39.2	5.02	33.6	3.96	28.0	3.10	22.4	2.42	16.8	1.94
19 °C	56.0	56.0	9.23	50.4	7.62	44.8	6.21	39.2	4.98	33.6	3.93	28.0	3.08	22.4	2.41	16.8	1.93
17 °C	56.0	56.0	9.07	50.4	7.50	44.8	6.11	39.2	4.91	33.6	3.88	28.0	3.04	22.4	2.39	16.8	1.92
15 °C	56.0	56.0	8.94	50.4	7.40	44.8	6.03	39.2	4.84	33.6	3.84	28.0	3.02	22.4	2.37	16.8	1.91

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

MMY-AP2226T5P (22HP, 61.5kW system)

Cooling		Compressor + Outdoor Fan Power consumption (kW)															
Outdoor Unit Dry-Bulb (°C)	Outdoor Unit 100% Cooling Capacity (kW)	100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	57.2	57.2	18.0	51.5	14.8	45.8	12.0	40.1	9.50	34.3	7.34	28.6	5.52	22.9	4.04	17.2	2.91
39 °C	58.2	58.2	17.7	52.3	14.6	46.5	11.8	40.7	9.36	34.9	7.23	29.1	5.44	23.3	3.98	17.4	2.86
37 °C	59.9	59.9	17.2	53.9	14.2	47.9	11.5	41.9	9.07	35.9	7.01	29.9	5.28	24.0	3.86	18.0	2.78
35 °C	61.5	61.5	16.7	55.4	13.7	49.2	11.1	43.1	8.79	36.9	6.79	30.8	5.11	24.6	3.74	18.5	2.69
33 °C	61.5	61.5	15.4	55.4	12.7	49.2	10.3	43.1	8.16	36.9	6.32	30.8	4.77	24.6	3.51	18.5	2.54
31 °C	61.5	61.5	14.3	55.4	11.8	49.2	9.57	43.1	7.60	36.9	5.90	30.8	4.46	24.6	3.30	18.5	2.40
30 °C	61.5	61.5	13.8	55.4	11.4	49.2	9.24	43.1	7.34	36.9	5.70	30.8	4.32	24.6	3.20	18.5	2.34
29 °C	61.5	61.5	13.3	55.4	11.0	49.2	8.92	43.1	7.09	36.9	5.51	30.8	4.19	24.6	3.11	18.5	2.28
27 °C	61.5	61.5	12.4	55.4	10.3	49.2	8.33	43.1	6.63	36.9	5.16	30.8	3.93	24.6	2.93	18.5	2.15
25 °C	61.5	61.5	11.6	55.4	9.59	49.2	7.79	43.1	6.21	36.9	4.84	30.8	3.69	24.6	2.76	18.5	2.04
23 °C	61.5	61.5	11.1	55.4	9.16	49.2	7.45	43.1	5.94	36.9	4.64	30.8	3.55	24.6	2.66	18.5	1.97
21 °C	61.5	61.5	10.8	55.4	8.97	49.2	7.30	43.1	5.83	36.9	4.56	30.8	3.49	24.6	2.62	18.5	1.95
20 °C	61.5	61.5	10.7	55.4	8.88	49.2	7.23	43.1	5.78	36.9	4.52	30.8	3.46	24.6	2.60	18.5	1.94
19 °C	61.5	61.5	10.6	55.4	8.81	49.2	7.17	43.1	5.73	36.9	4.49	30.8	3.44	24.6	2.59	18.5	1.94
17 °C	61.5	61.5	10.5	55.4	8.66	49.2	7.06	43.1	5.64	36.9	4.42	30.8	3.40	24.6	2.56	18.5	1.93
15 °C	61.5	61.5	10.3	55.4	8.54	49.2	6.96	43.1	5.57	36.9	4.37	30.8	3.36	24.6	2.54	18.5	1.93

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb



MMY-AP3626T5P (36HP, 100.5kW system)

Cooling		Compressor + Outdoor Fan Power consumption (kW)															
Outdoor Unit Dry-Bulb (°C)	Outdoor Unit 100% Cooling Capacity (kW)	100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	93.5	93.5	30.5	84.2	25.2	74.8	20.4	65.5	16.2	56.1	12.4	46.8	9.27	37.4	6.62	28.1	4.52
39 °C	95.0	95.0	30.0	85.5	24.8	76.0	20.1	66.5	15.9	57.0	12.3	47.5	9.13	38.0	6.53	28.5	4.45
37 °C	97.9	97.9	29.1	88.1	24.1	78.3	19.5	68.5	15.4	58.7	11.9	48.9	8.85	39.1	6.33	29.4	4.31
35 °C	100.5	100.5	28.2	90.5	23.3	80.4	18.9	70.4	15.0	60.3	11.5	50.3	8.58	40.2	6.13	30.2	4.18
33 °C	100.5	100.5	26.1	90.5	21.6	80.4	17.5	70.4	13.9	60.3	10.7	50.3	7.99	40.2	5.73	30.2	3.93
31 °C	100.5	100.5	24.3	90.5	20.1	80.4	16.3	70.4	12.9	60.3	9.98	50.3	7.46	40.2	5.37	30.2	3.69
30 °C	100.5	100.5	23.4	90.5	19.4	80.4	15.7	70.4	12.5	60.3	9.65	50.3	7.22	40.2	5.20	30.2	3.59
29 °C	100.5	100.5	22.6	90.5	18.7	80.4	15.2	70.4	12.1	60.3	9.32	50.3	6.99	40.2	5.04	30.2	3.48
27 °C	100.5	100.5	21.1	90.5	17.4	80.4	14.2	70.4	11.3	60.3	8.73	50.3	6.55	40.2	4.73	30.2	3.28
25 °C	100.5	100.5	19.7	90.5	16.3	80.4	13.3	70.4	10.5	60.3	8.17	50.3	6.14	40.2	4.45	30.2	3.10
23 °C	100.5	100.5	18.8	90.5	15.6	80.4	12.7	70.4	10.1	60.3	7.83	50.3	5.89	40.2	4.28	30.2	2.99
21 °C	100.5	100.5	18.4	90.5	15.3	80.4	12.4	70.4	9.89	60.3	7.68	50.3	5.79	40.2	4.21	30.2	2.95
20 °C	100.5	100.5	18.2	90.5	15.1	80.4	12.3	70.4	9.80	60.3	7.62	50.3	5.74	40.2	4.18	30.2	2.93
19 °C	100.5	100.5	18.1	90.5	15.0	80.4	12.2	70.4	9.72	60.3	7.56	50.3	5.70	40.2	4.15	30.2	2.91
17 °C	100.5	100.5	17.8	90.5	14.7	80.4	12.0	70.4	9.57	60.3	7.45	50.3	5.62	40.2	4.10	30.2	2.91
15 °C	100.5	100.5	17.5	90.5	14.5	80.4	11.8	70.4	9.45	60.3	7.35	50.3	5.56	40.2	4.06	30.2	2.91

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

MMY-AP3826T5P (38HP, 107kW system)

Cooling		Compressor + Outdoor Fan Power consumption (kW)															
Outdoor Unit Dry-Bulb (°C)	Outdoor Unit 100% Cooling Capacity (kW)	100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	99.6	99.6	32.8	89.6	27.1	79.7	21.9	69.7	17.4	59.7	13.4	49.8	9.97	39.8	7.14	29.9	4.88
39 °C	101.2	101.2	32.3	91.1	26.7	80.9	21.6	70.8	17.1	60.7	13.2	50.6	9.82	40.5	7.03	30.4	4.81
37 °C	104.2	104.2	31.3	93.8	25.8	83.4	20.9	72.9	16.6	62.5	12.8	52.1	9.53	41.7	6.82	31.3	4.66
35 °C	107.0	107.0	30.3	96.3	25.0	85.6	20.3	74.9	16.1	64.2	12.4	53.5	9.23	42.8	6.61	32.1	4.52
33 °C	107.0	107.0	28.1	96.3	23.2	85.6	18.8	74.9	14.9	64.2	11.5	53.5	8.60	42.8	6.18	32.1	4.24
31 °C	107.0	107.0	26.1	96.3	21.6	85.6	17.5	74.9	13.9	64.2	10.7	53.5	8.03	42.8	5.79	32.1	4.00
30 °C	107.0	107.0	25.2	96.3	20.8	85.6	16.9	74.9	13.4	64.2	10.4	53.5	7.77	42.8	5.61	32.1	3.88
29 °C	107.0	107.0	24.3	96.3	20.1	85.6	16.3	74.9	13.0	64.2	10.0	53.5	7.52	42.8	5.43	32.1	3.77
27 °C	107.0	107.0	22.6	96.3	18.7	85.6	15.2	74.9	12.1	64.2	9.39	53.5	7.05	42.8	5.11	32.1	3.55
25 °C	107.0	107.0	21.2	96.3	17.5	85.6	14.2	74.9	11.3	64.2	8.79	53.5	6.61	42.8	4.80	32.1	3.35
23 °C	107.0	107.0	20.2	96.3	16.7	85.6	13.6	74.9	10.8	64.2	8.42	53.5	6.35	42.8	4.62	32.1	3.23
21 °C	107.0	107.0	19.8	96.3	16.4	85.6	13.3	74.9	10.6	64.2	8.27	53.5	6.23	42.8	4.54	32.1	3.19
20 °C	107.0	107.0	19.6	96.3	16.2	85.6	13.2	74.9	10.5	64.2	8.19	53.5	6.18	42.8	4.51	32.1	3.17
19 °C	107.0	107.0	19.4	96.3	16.1	85.6	13.1	74.9	10.5	64.2	8.13	53.5	6.14	42.8	4.48	32.1	3.15
17 °C	107.0	107.0	19.1	96.3	15.8	85.6	12.9	74.9	10.3	64.2	8.01	53.5	6.06	42.8	4.43	32.1	3.14
15 °C	107.0	107.0	18.8	96.3	15.6	85.6	12.7	74.9	10.2	64.2	7.91	53.5	5.98	42.8	4.38	32.1	3.13

TC : Total Capacity PI : Power Input
Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb



MMY-AP4026T5P (40HP, 113.5kW system)

Cooling

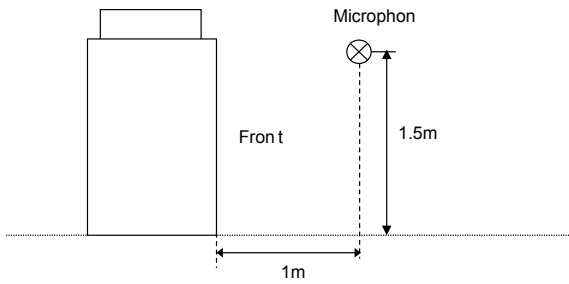
Outdoor Unit Dry-Bulb (°C)	Outdoor Unit 100% Cooling Capacity (kW)	Compressor + Outdoor Fan Power consumption (kW)															
		100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40 °C	105.6	105.6	35.0	95.1	28.9	84.5	23.4	73.9	18.6	63.4	14.3	52.8	10.7	42.2	7.65	31.7	5.25
39 °C	107.3	107.3	34.5	96.6	28.5	85.9	23.1	75.1	18.3	64.4	14.1	53.7	10.5	42.9	7.54	32.2	5.17
37 °C	110.5	110.5	33.5	99.5	27.6	88.4	22.4	77.4	17.7	66.3	13.7	55.3	10.2	44.2	7.31	33.2	5.01
35 °C	113.5	113.5	32.4	102.2	26.8	90.8	21.7	79.5	17.2	68.1	13.2	56.8	9.88	45.4	7.08	34.1	4.85
33 °C	113.5	113.5	30.0	102.2	24.8	90.8	20.1	79.5	16.0	68.1	12.3	56.8	9.21	45.4	6.62	34.1	4.56
31 °C	113.5	113.5	27.9	102.2	23.0	90.8	18.7	79.5	14.9	68.1	11.5	56.8	8.60	45.4	6.21	34.1	4.30
30 °C	113.5	113.5	26.9	102.2	22.2	90.8	18.1	79.5	14.3	68.1	11.1	56.8	8.32	45.4	6.01	34.1	4.17
29 °C	113.5	113.5	25.9	102.2	21.5	90.8	17.4	79.5	13.9	68.1	10.7	56.8	8.05	45.4	5.83	34.1	4.05
27 °C	113.5	113.5	24.2	102.2	20.0	90.8	16.3	79.5	13.0	68.1	10.0	56.8	7.55	45.4	5.48	34.1	3.82
25 °C	113.5	113.5	22.6	102.2	18.7	90.8	15.2	79.5	12.1	68.1	9.41	56.8	7.09	45.4	5.15	34.1	3.61
23 °C	113.5	113.5	21.6	102.2	17.9	90.8	14.6	79.5	11.6	68.1	9.02	56.8	6.80	45.4	4.95	34.1	3.48
21 °C	113.5	113.5	21.1	102.2	17.5	90.8	14.3	79.5	11.4	68.1	8.85	56.8	6.68	45.4	4.87	34.1	3.43
20 °C	113.5	113.5	20.9	102.2	17.4	90.8	14.1	79.5	11.3	68.1	8.77	56.8	6.63	45.4	4.84	34.1	3.41
19 °C	113.5	113.5	20.8	102.2	17.2	90.8	14.0	79.5	11.2	68.1	8.70	56.8	6.58	45.4	4.81	34.1	3.39
17 °C	113.5	113.5	20.4	102.2	16.9	90.8	13.8	79.5	11.0	68.1	8.58	56.8	6.49	45.4	4.75	34.1	3.37
15 °C	113.5	113.5	20.1	102.2	16.7	90.8	13.6	79.5	10.9	68.1	8.47	56.8	6.41	45.4	4.70	34.1	3.35

TC : Total Capacity

PI : Power Input

Indoor air temperature conditions : 27.0°C dry-bulb / 19.0°C wet bulb

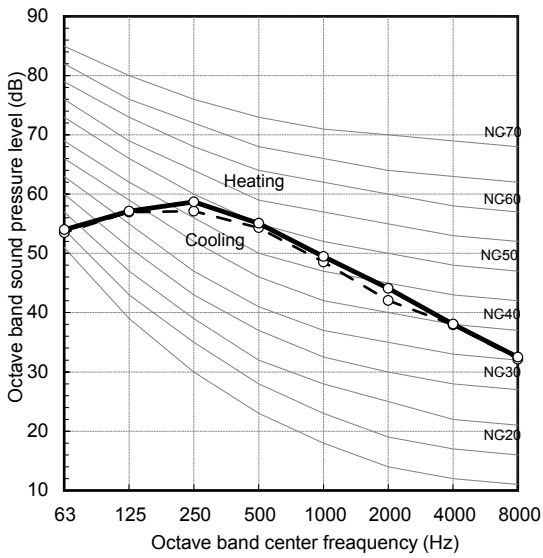
5-11. Sound pressure level



Standard model

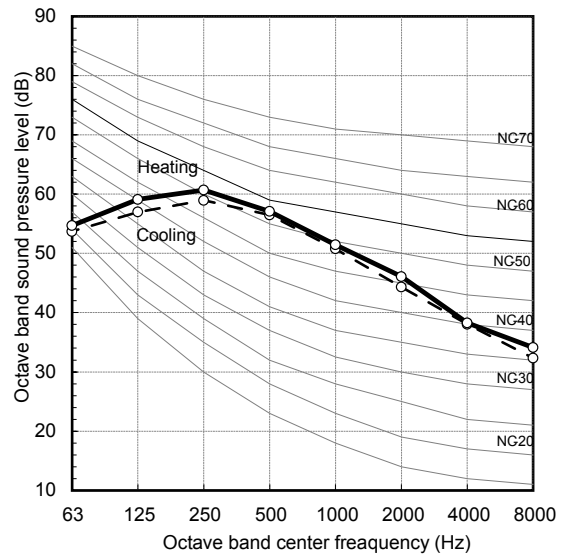
MMY-MAP0806HT5P

Sound pressure Level (dB(A))	Cooling	Heating
	55.0	56.0



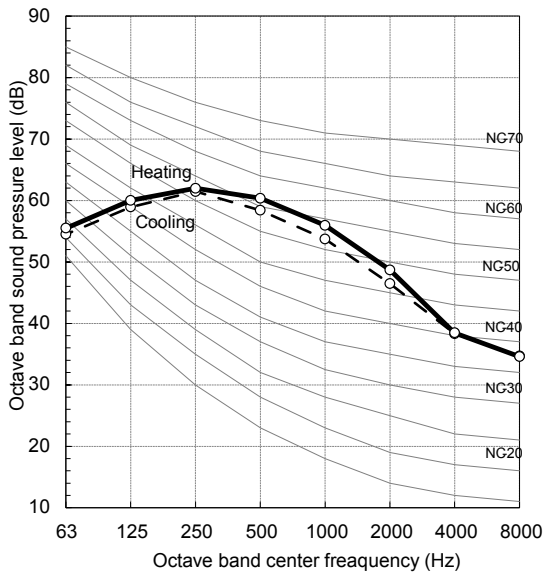
MMY-MAP1006HT5P

Sound pressure Level (dB(A))	Cooling	Heating
	57.0	58.0



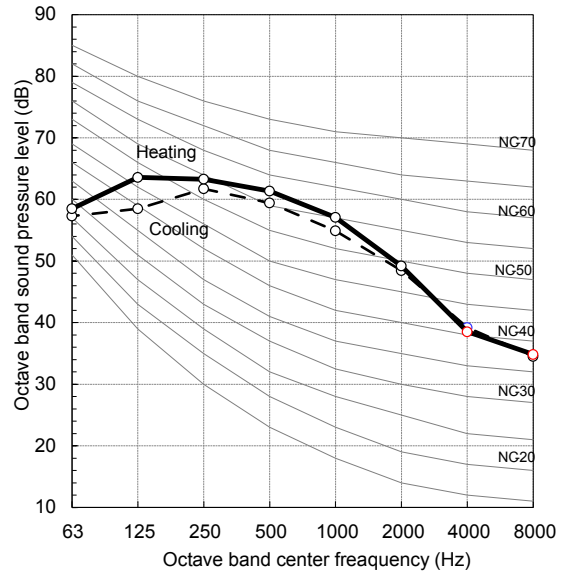
MMY-MAP1206HT5P

Sound pressure Level (dB(A))	Cooling	Heating
	59.0	61.0



MMY-MAP1406HT5P

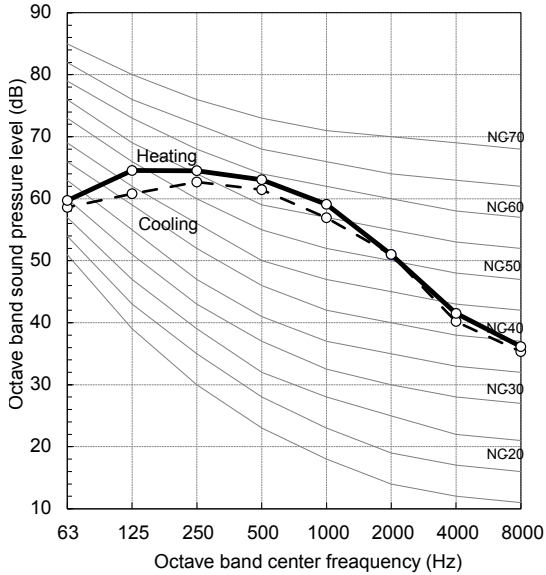
Sound pressure Level (dB(A))	Cooling	Heating
	60.0	62.0





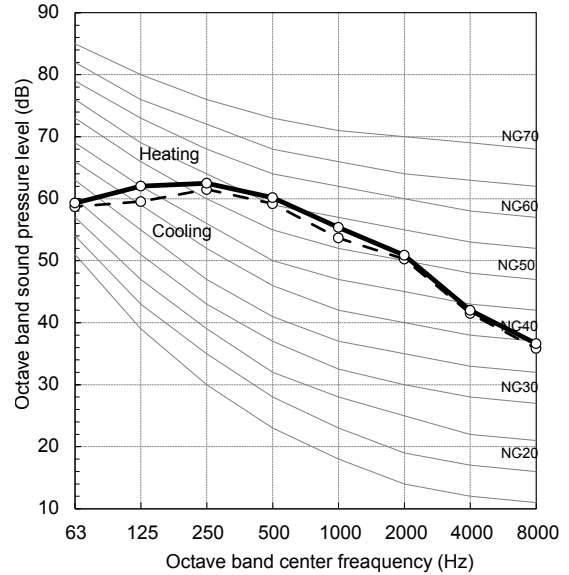
MMY-MAP1606HT5P

Sound pressure Level (dB(A))	Cooling	Heating
	62.0	64.0



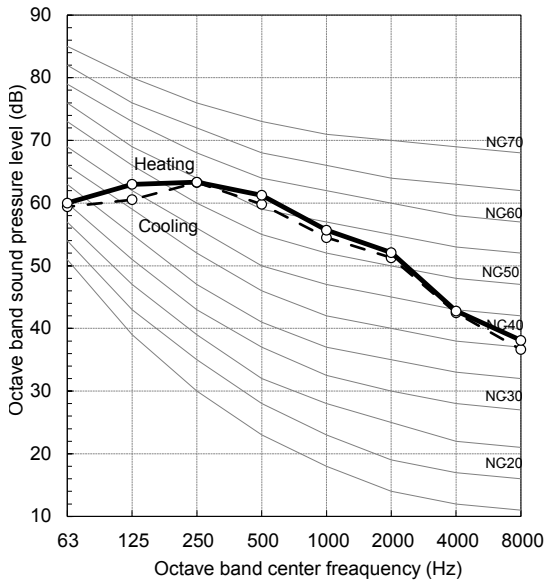
MMY-MAP1806HT5P

Sound pressure Level (dB(A))	Cooling	Heating
	60.0	61.0



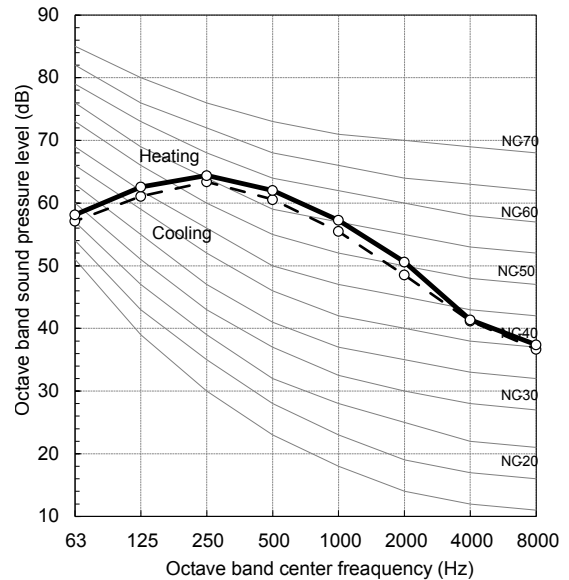
MMY-MAP2006HT5P

Sound pressure Level (dB(A))	Cooling	Heating
	61.0	62.0



MMY-AP2216HT5P

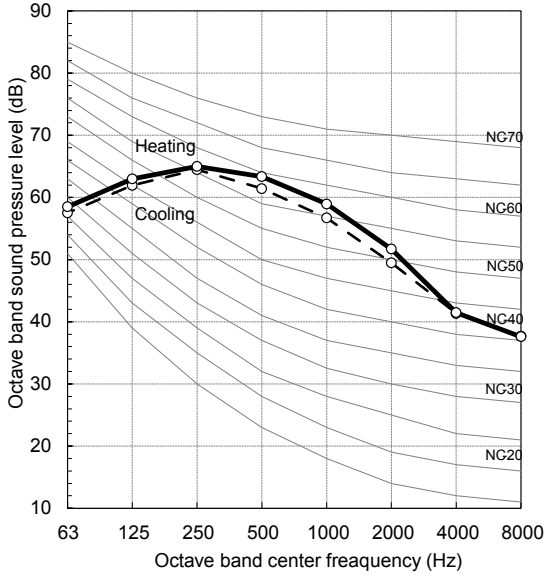
Sound pressure Level (dB(A))	Cooling	Heating
	61.5	63.0





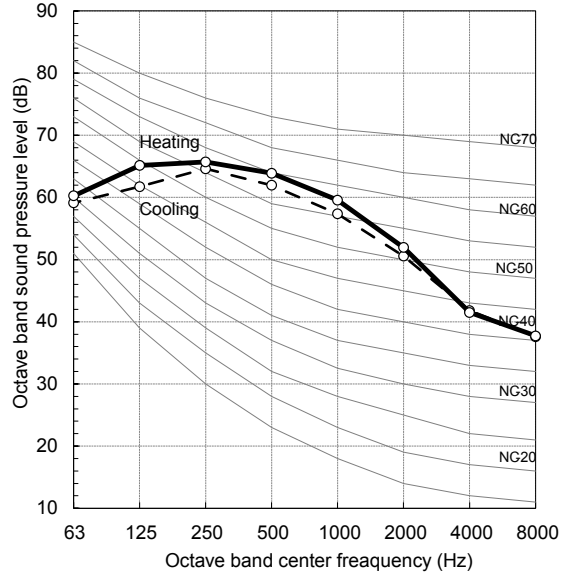
MMY-AP2416HT5P

Sound pressure Level (dB(A))	Cooling	Heating
	62.0	64.0



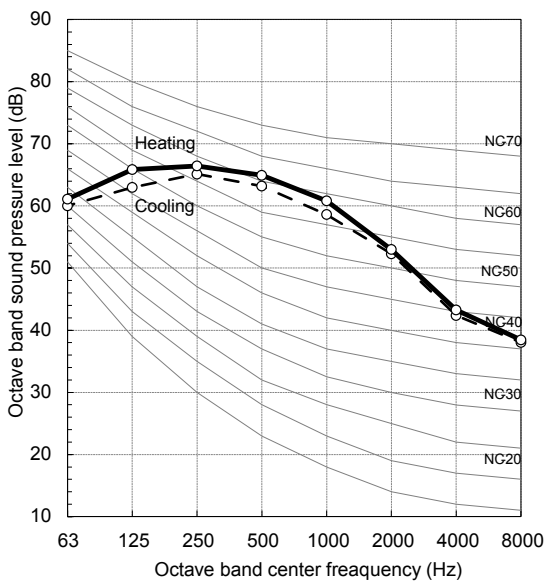
MMY-AP2616HT5P

Sound pressure Level (dB(A))	Cooling	Heating
	62.5	64.5



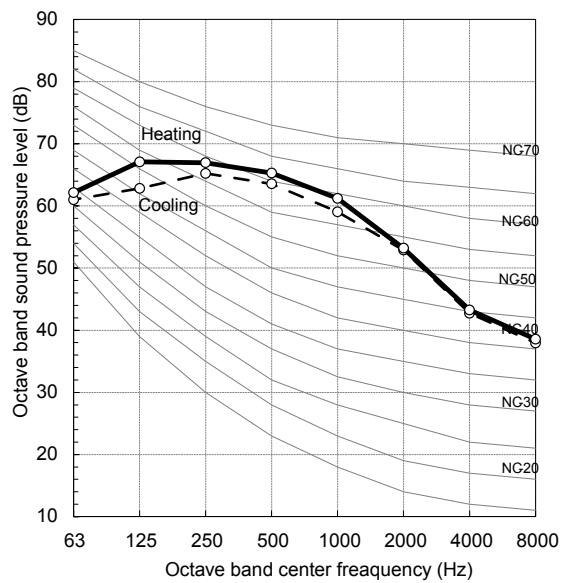
MMY-AP2816HT5P

Sound pressure Level (dB(A))	Cooling	Heating
	64.0	66.0



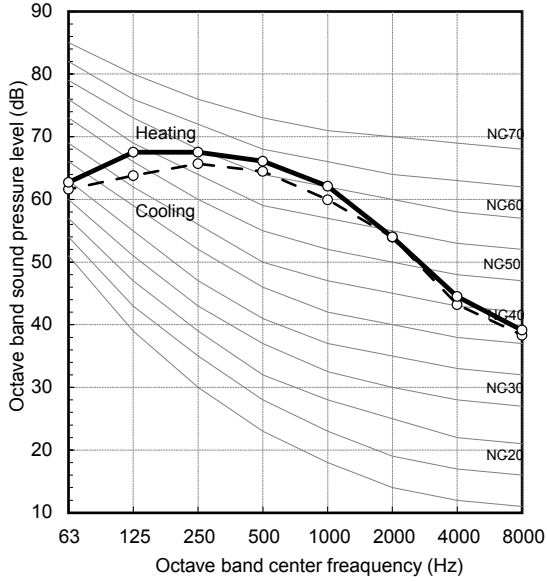
MMY-AP3016HT5P

Sound pressure Level (dB(A))	Cooling	Heating
	64.5	66.5



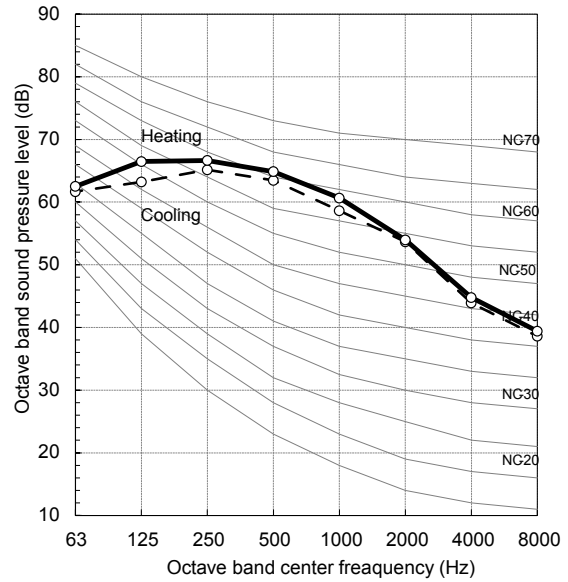
MMY-AP3216HT5P

Sound pressure Level (dB(A))	Cooling	Heating
	65.0	67.0



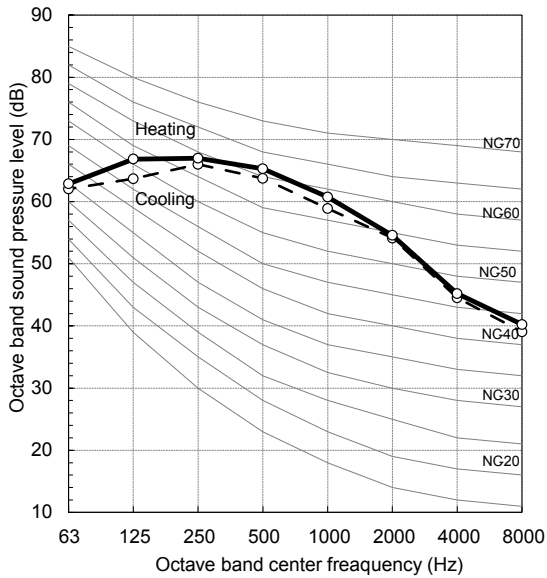
MMY-AP3416HT5P

Sound pressure Level (dB(A))	Cooling	Heating
	64.5	66.0



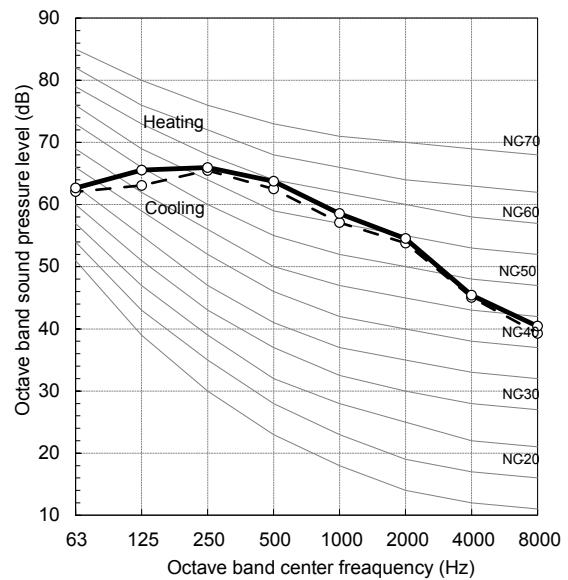
MMY-AP3616HT5P

Sound pressure Level (dB(A))	Cooling	Heating
	64.5	66.5



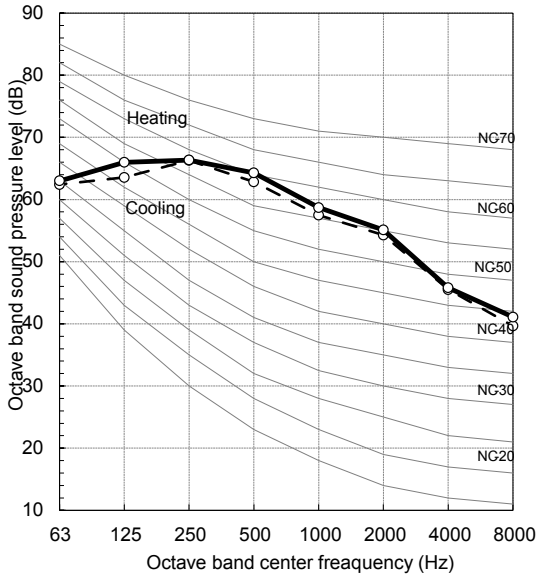
MMY-AP3816HT5P

Sound pressure Level (dB(A))	Cooling	Heating
	63.5	64.5



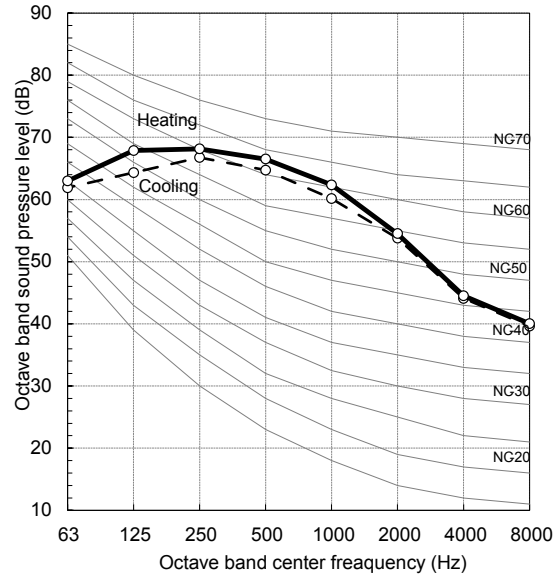
MMY-AP4016HT5P

Sound pressure Level (dB(A))	Cooling	Heating
	64.0	65.0



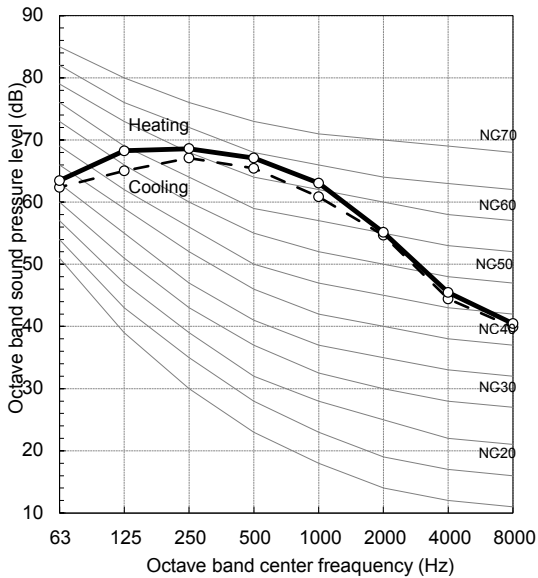
MMY-AP4216HT5P

Sound pressure Level (dB(A))	Cooling	Heating
	65.5	67.5



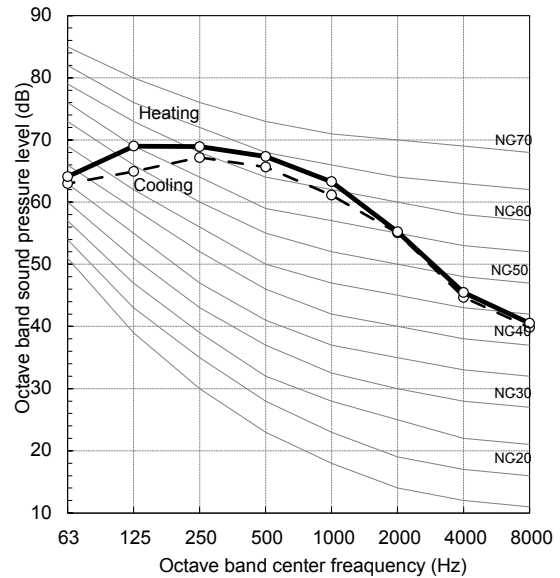
MMY-AP4416HT5P

Sound pressure Level (dB(A))	Cooling	Heating
	66.0	68.0



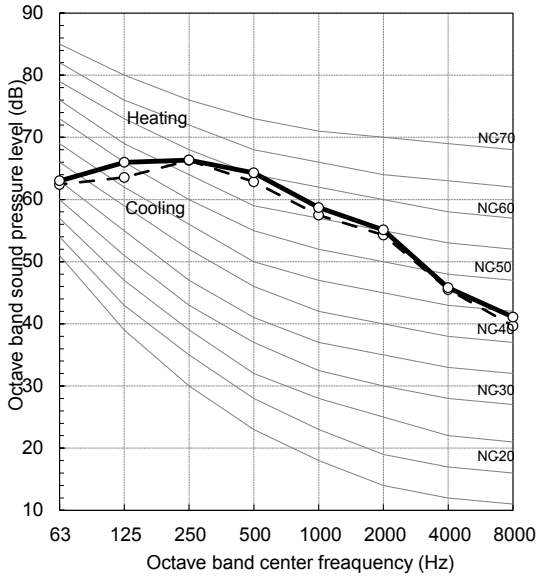
MMY-AP4616HT5P

Sound pressure Level (dB(A))	Cooling	Heating
	66.5	68.5



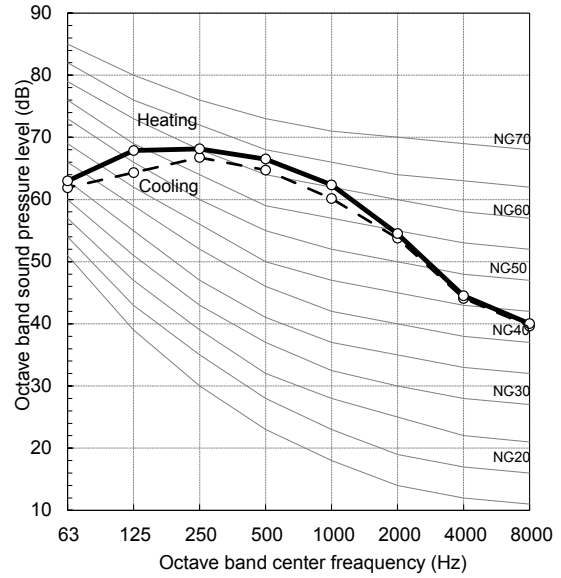
MMY-AP4016HT5P

Sound pressure Level (dB(A))	Cooling	Heating
	64.0	65.0



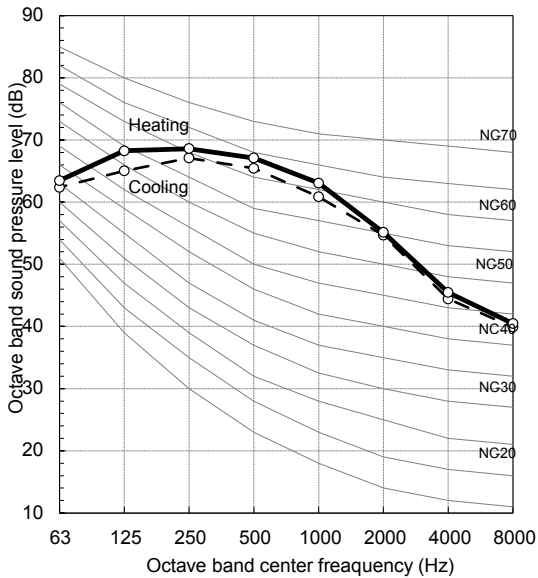
MMY-AP4216HT5P

Sound pressure Level (dB(A))	Cooling	Heating
	65.5	67.5



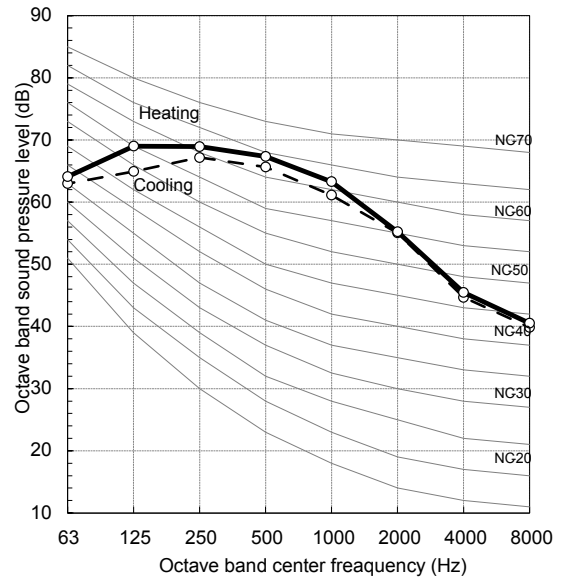
MMY-AP4416HT5P

Sound pressure Level (dB(A))	Cooling	Heating
	66.0	68.0



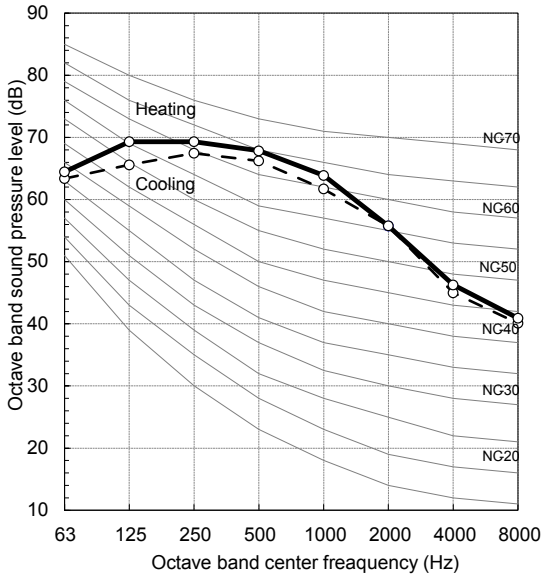
MMY-AP4616HT5P

Sound pressure Level (dB(A))	Cooling	Heating
	66.5	68.5



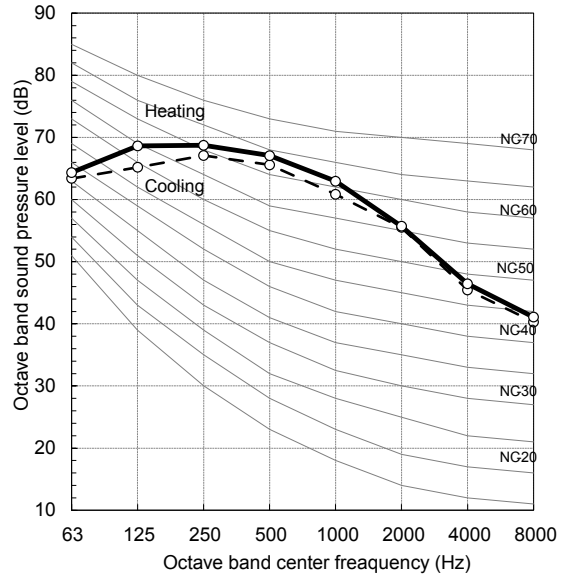
MMY-AP4816HT5P

Sound pressure Level (dB(A))	Cooling	Heating
	67.0	69.0



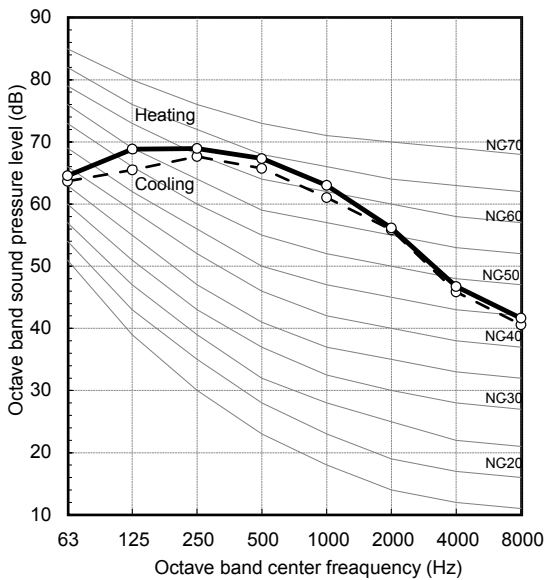
MMY-AP5016HT5P

Sound pressure Level (dB(A))	Cooling	Heating
	66.5	68.0



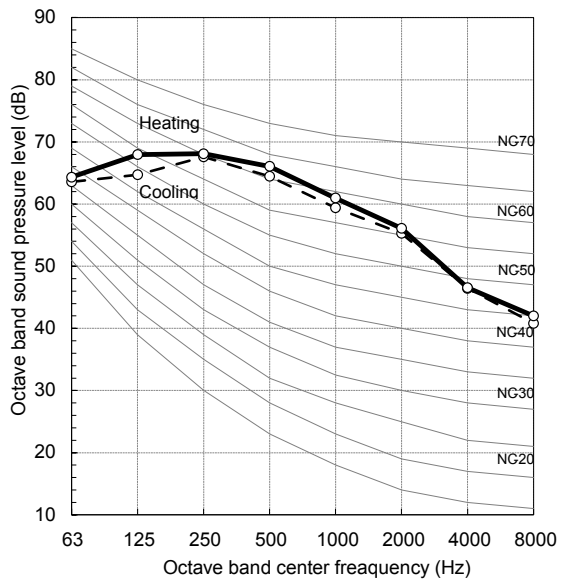
MMY-AP5216HT5P

Sound pressure Level (dB(A))	Cooling	Heating
	66.5	68.5



MMY-AP5416HT5P

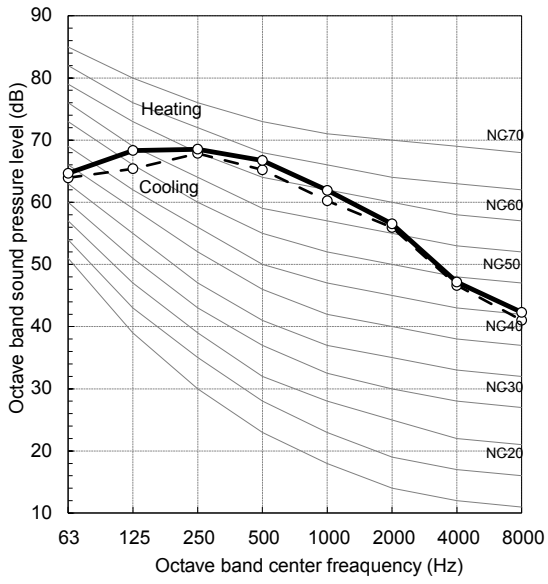
Sound pressure Level (dB(A))	Cooling	Heating
	65.5	67.0





MMY-AP5616HT5P

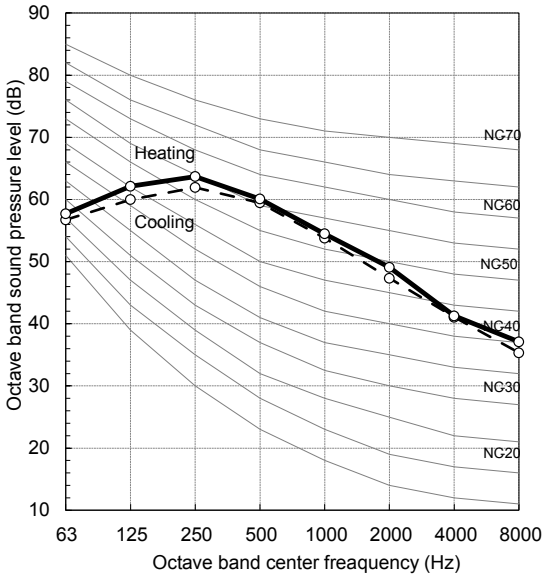
Sound pressure Level (dB(A))	Cooling	Heating
	66.5	67.5



High efficiency model

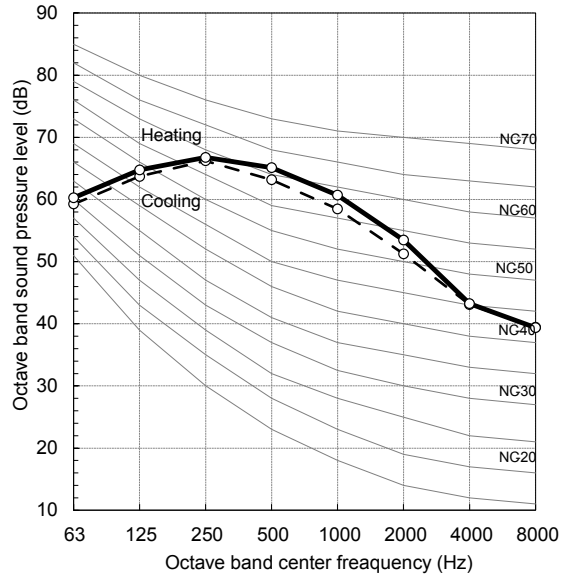
MMY-AP2026HT5P

Sound pressure Level (dB(A))	Cooling	Heating
	60.0	61.0



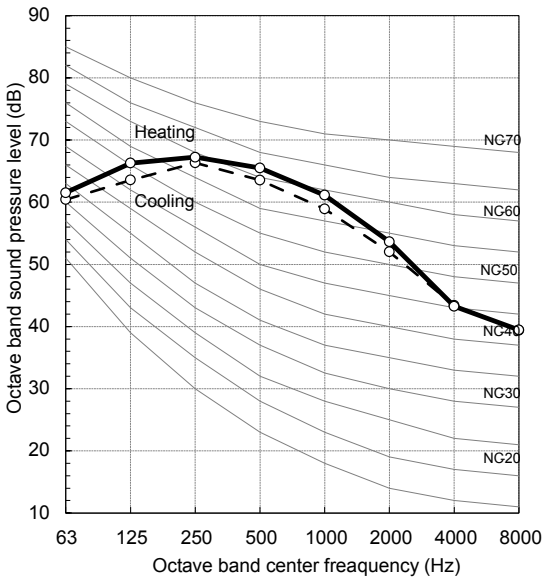
MMY-AP3626HT5P

Sound pressure Level (dB(A))	Cooling	Heating
	64.0	66.0



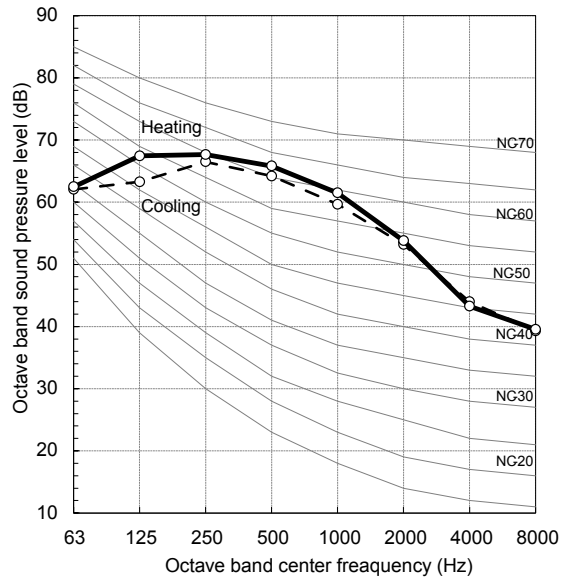
MMY-AP3826HT5P

Sound pressure Level (dB(A))	Cooling	Heating
	64.5	66.5



MMY-AP4026HT5P

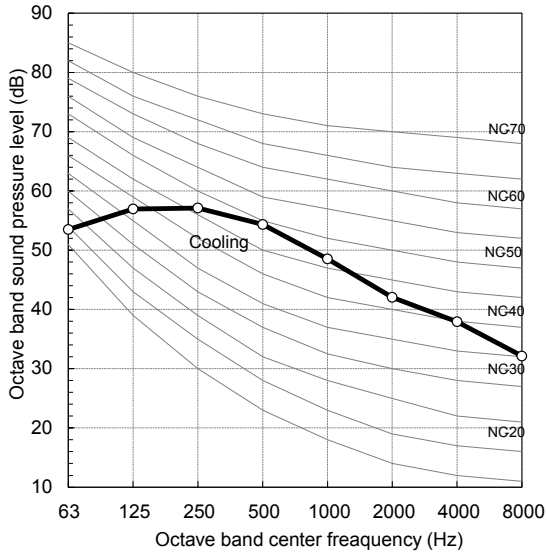
Sound pressure Level (dB(A))	Cooling	Heating
	64.5	66.5



Standard model

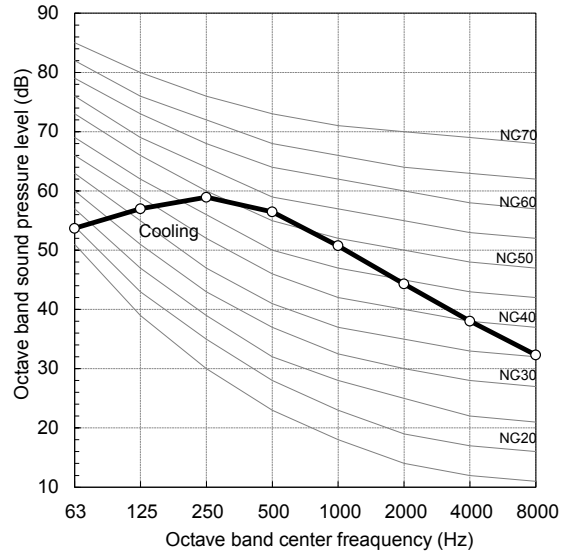
MMY-MAP0806T5P

Sound pressure Level (dB(A))	Cooling
	55.0



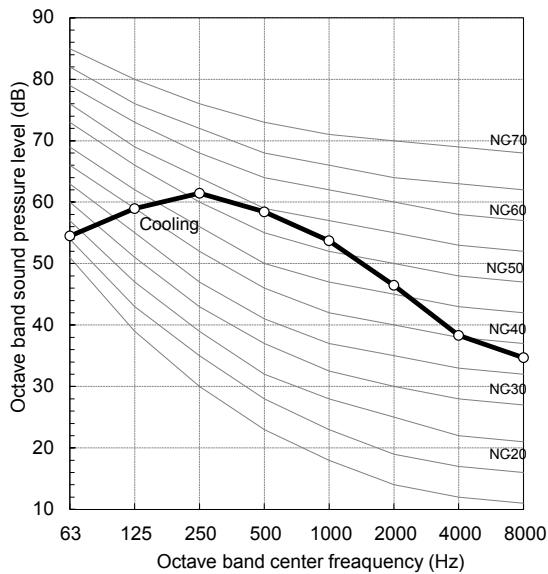
MMY-MAP1006T5P

Sound pressure Level (dB(A))	Cooling
	57.0



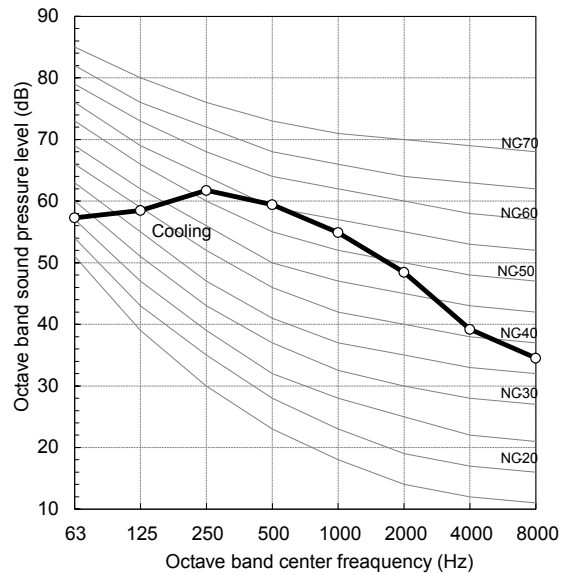
MMY-MAP1206T5P

Sound pressure Level (dB(A))	Cooling
	59.0



MMY-MAP1406T5P

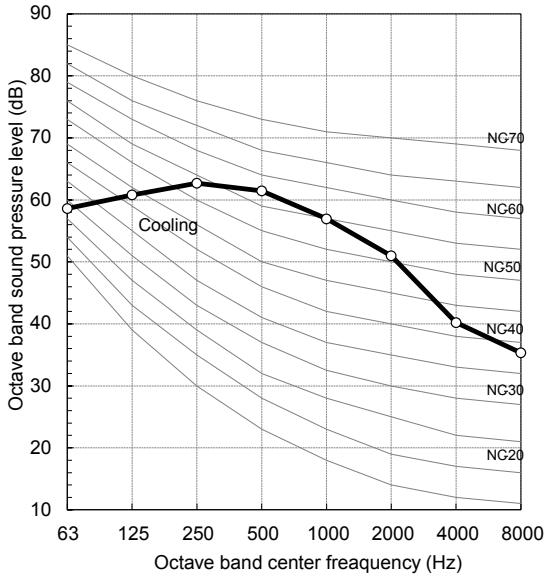
Sound pressure Level (dB(A))	Cooling
	60.0





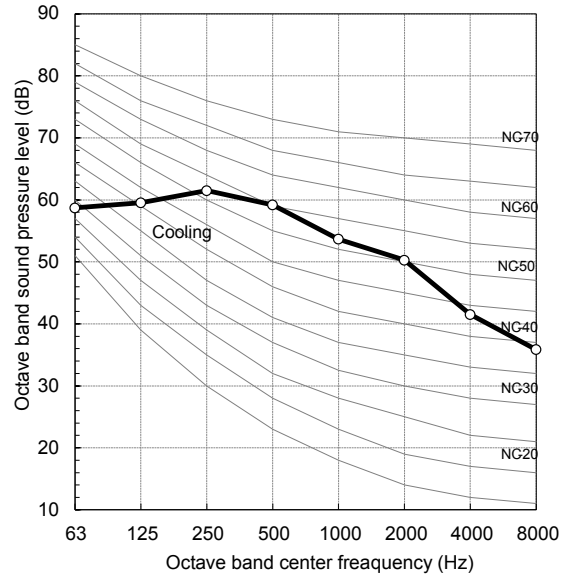
MMY-MAP1606T5P

Sound pressure Level (dB(A))	Cooling
	62.0



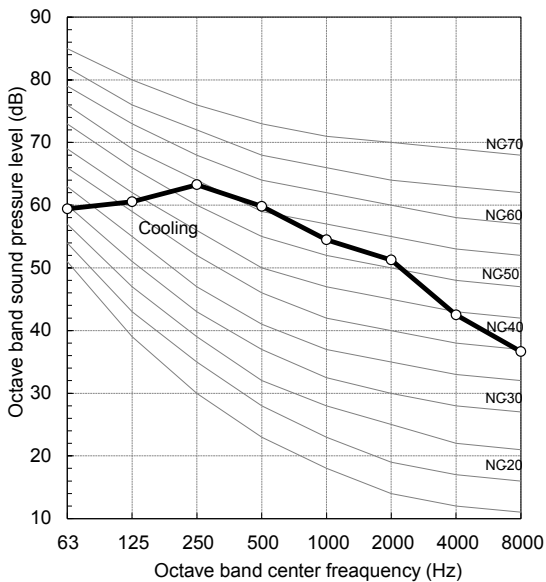
MMY-MAP1806T5P

Sound pressure Level (dB(A))	Cooling
	60.0



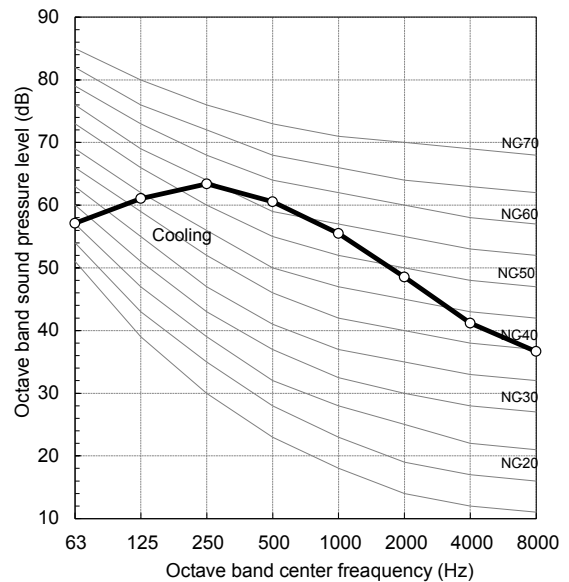
MMY-MAP2006T5P

Sound pressure Level (dB(A))	Cooling
	61.0



MMY-AP2216T5P

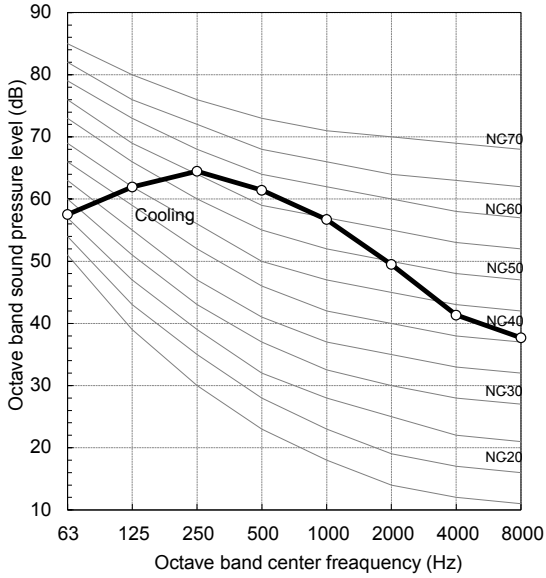
Sound pressure Level (dB(A))	Cooling
	61.5





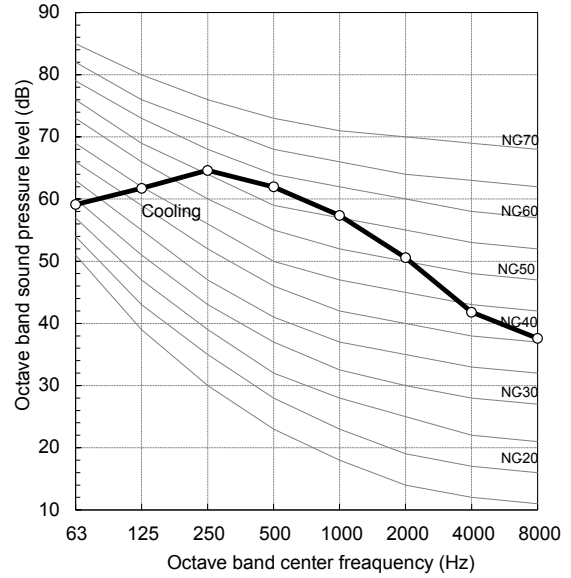
MMY-AP2416T5P

Sound pressure Level (dB(A))	Cooling
	62.0



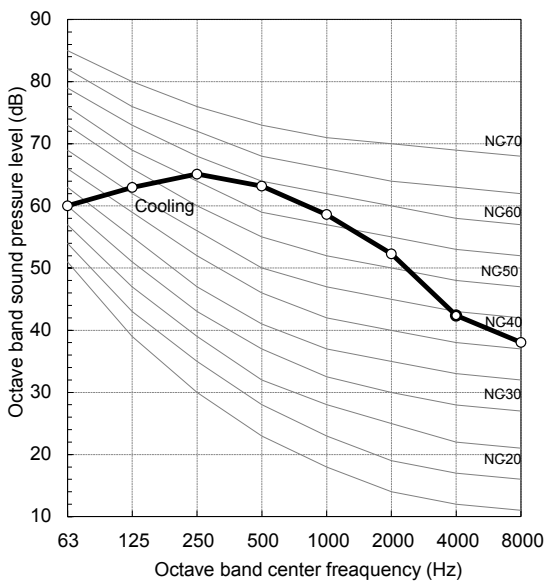
MMY-AP2616T5P

Sound pressure Level (dB(A))	Cooling
	62.5



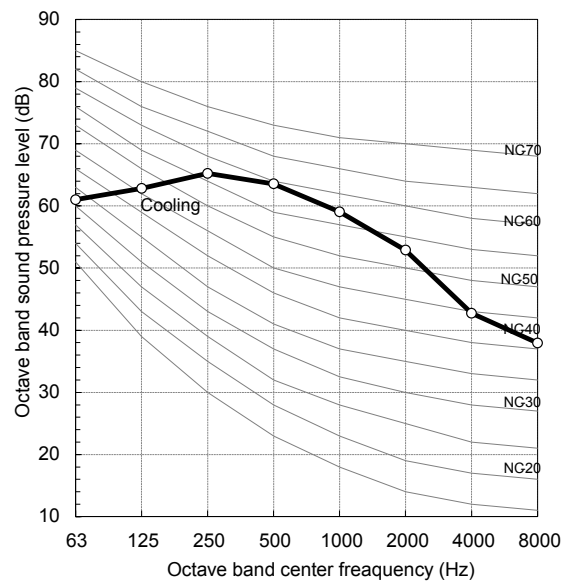
MMY-AP2816T5P

Sound pressure Level (dB(A))	Cooling
	64.0



MMY-AP3016T5P

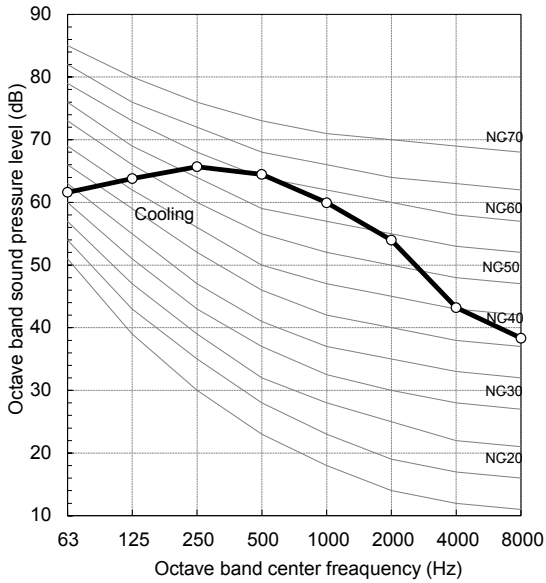
Sound pressure Level (dB(A))	Cooling
	64.5





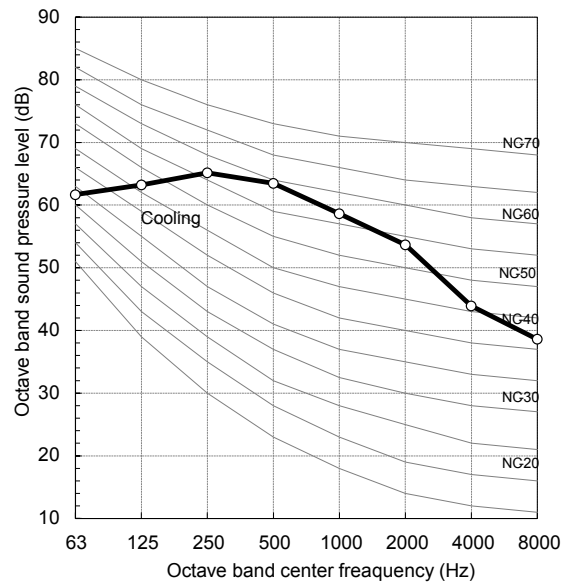
MMY-AP3216T5P

Sound pressure Level (dB(A))	Cooling
	65.0



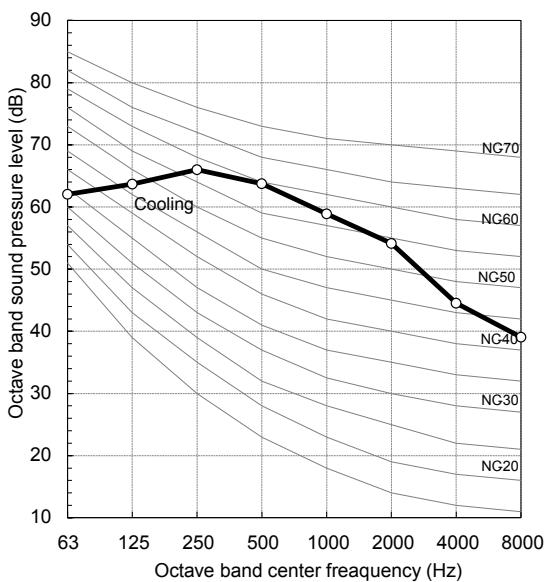
MMY-AP3416T5P

Sound pressure Level (dB(A))	Cooling
	64.5



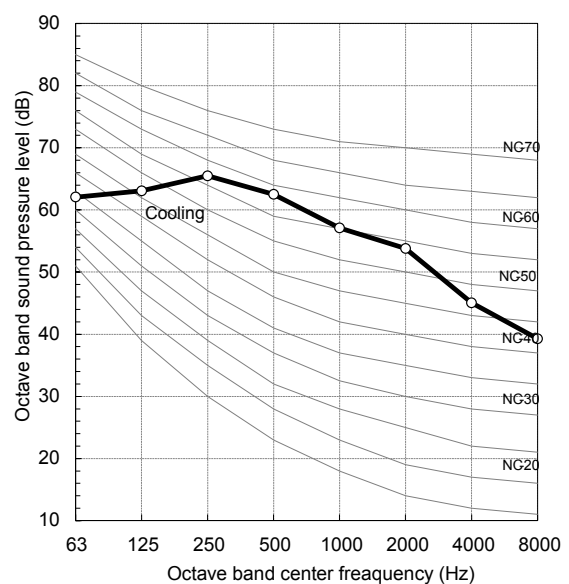
MMY-AP3616T5P

Sound pressure Level (dB(A))	Cooling
	64.5



MMY-AP3816T5P

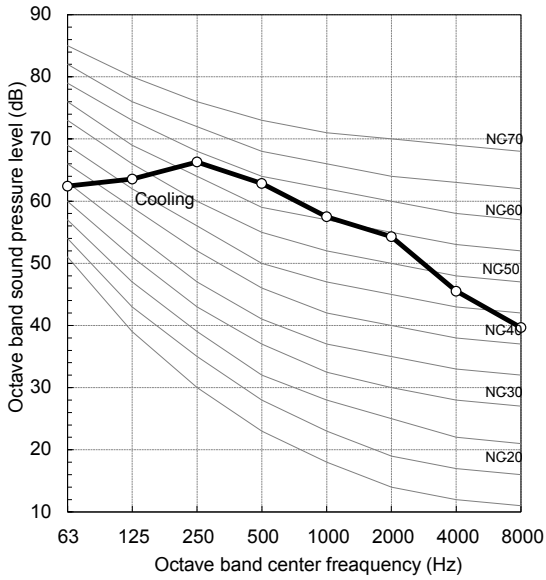
Sound pressure Level (dB(A))	Cooling
	63.5





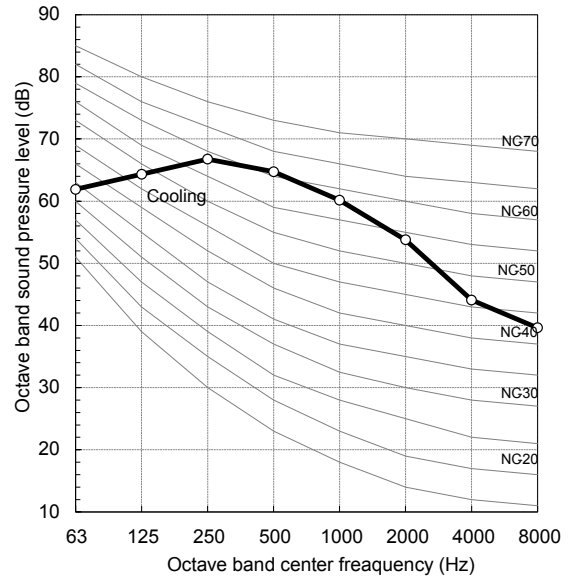
MMY-AP4016T5P

Sound pressure Level (dB(A))	Cooling
	64.0



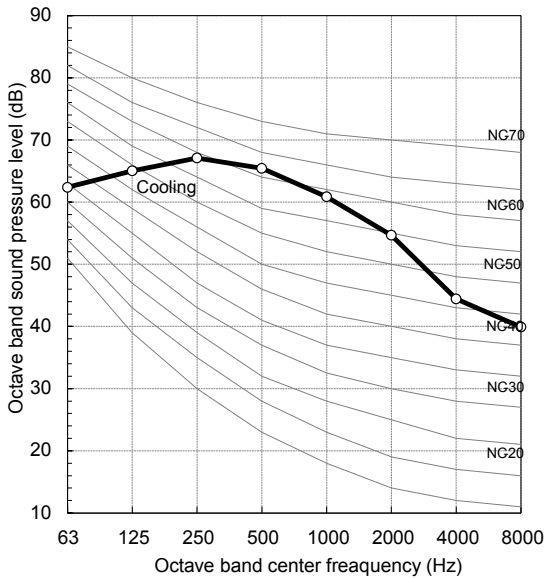
MMY-AP4216T5P

Sound pressure Level (dB(A))	Cooling
	65.5



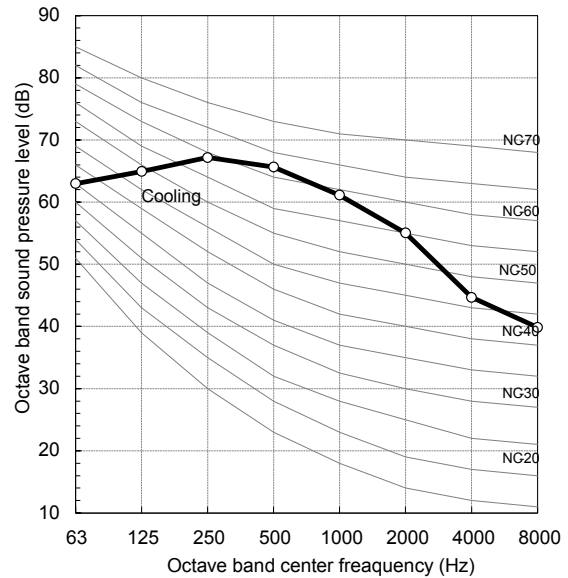
MMY-AP4416T5P

Sound pressure Level (dB(A))	Cooling
	66.0



MMY-AP4616T5P

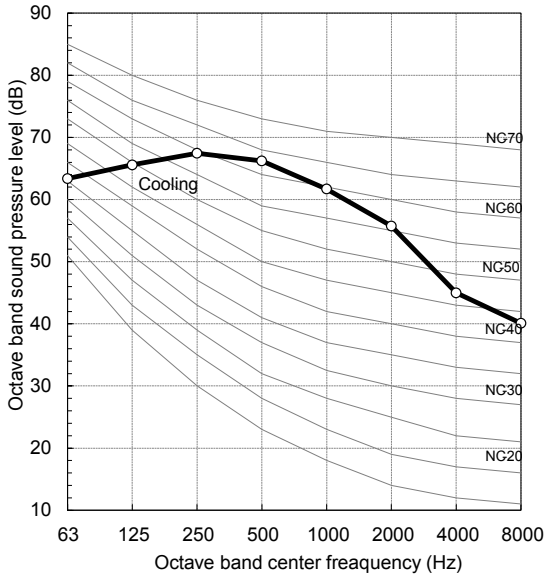
Sound pressure Level (dB(A))	Cooling
	66.5





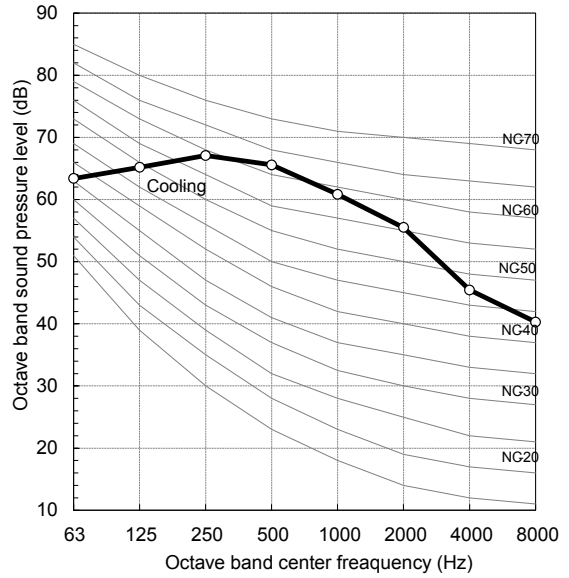
MMY-AP4816T5P

Sound pressure Level (dB(A))	Cooling
	67.0



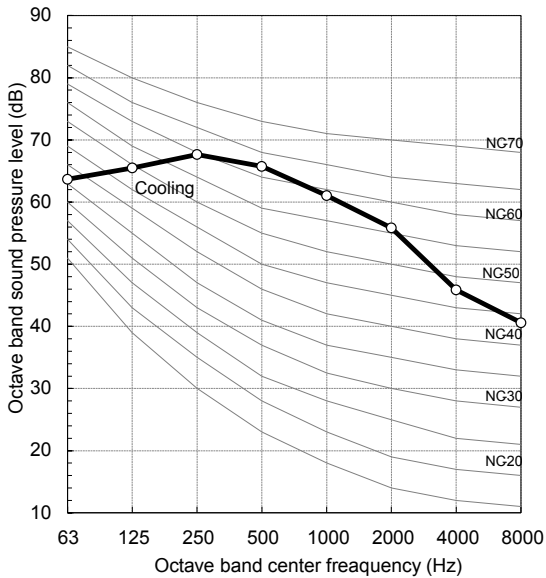
MMY-AP5016T5P

Sound pressure Level (dB(A))	Cooling
	66.5



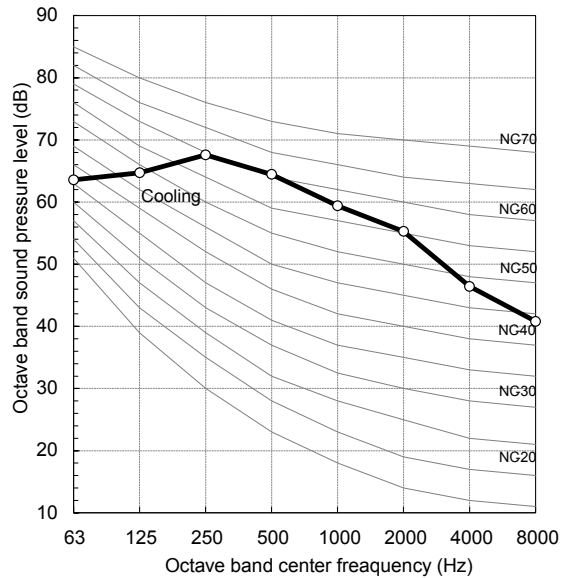
MMY-AP5216T5P

Sound pressure Level (dB(A))	Cooling
	66.5



MMY-AP5416T5P

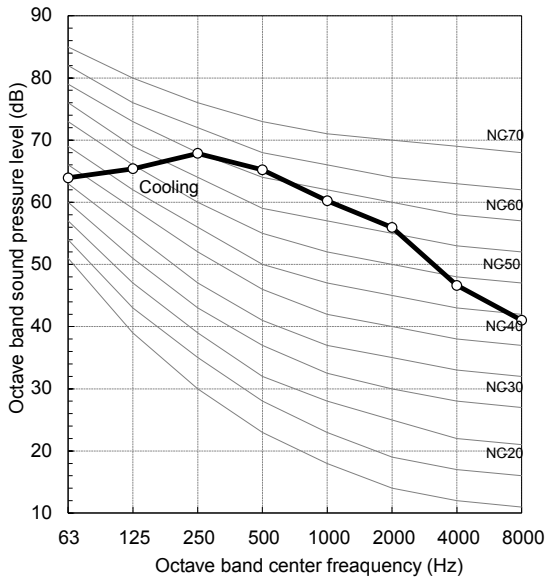
Sound pressure Level (dB(A))	Cooling
	65.5





MMY-AP5616T5P

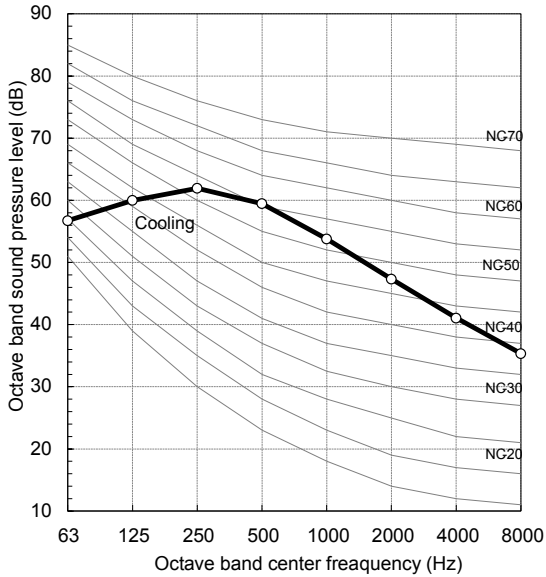
Sound pressure Level (dB(A))	Cooling
	66.5



High efficiency model

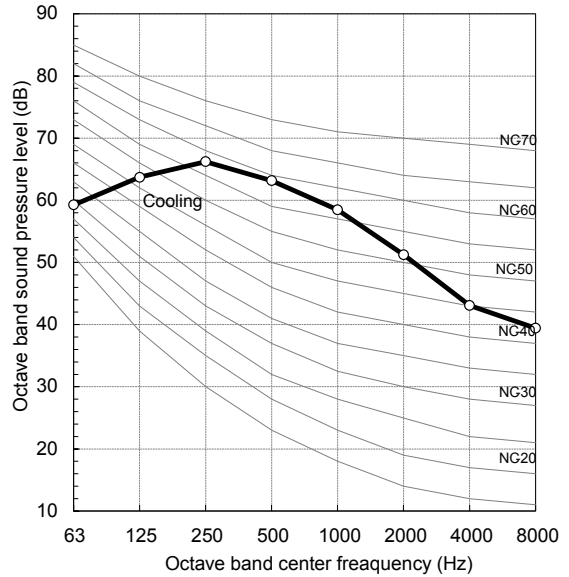
MMY-AP2026T5P

Sound pressure Level (dB(A))	Cooling
	60.0



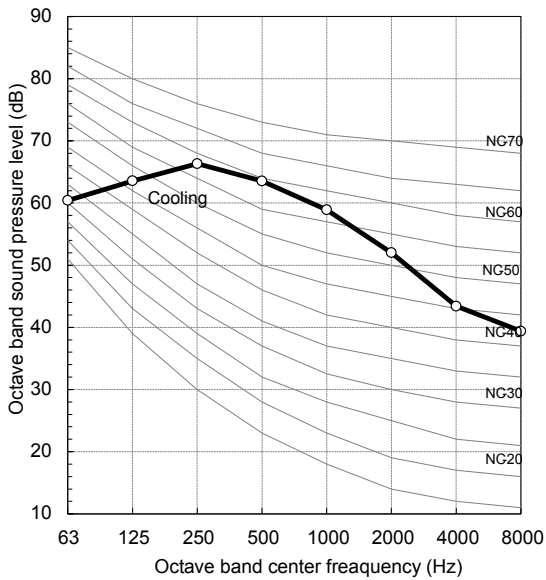
MMY-AP3626T5P

Sound pressure Level (dB(A))	Cooling
	64.0



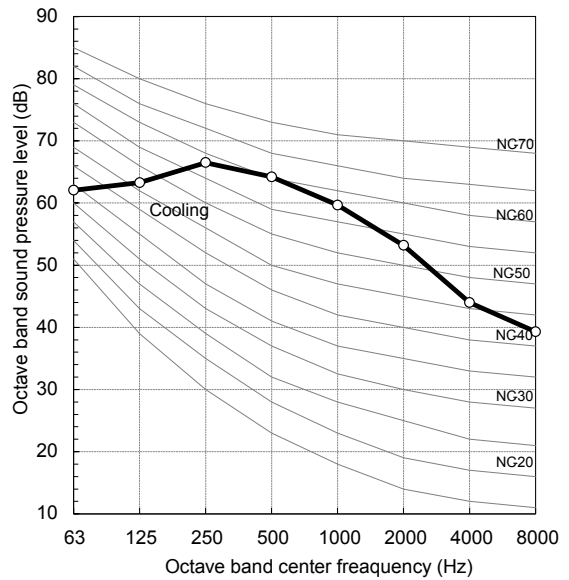
MMY-AP3826T5P

Sound pressure Level (dB(A))	Cooling
	64.5



MMY-AP4026T5P

Sound pressure Level (dB(A))	Cooling
	64.5



SMMS-e Engineering Data Book

Model name:

MMY-MAP_6HT5P

MMY-MAP_6T5P

August, 2017 Full version