

# Floor console exposed Type

MML-UP0071H-UL / MML-UP0091H-UL  
MML-UP0121H-UL / MML-UP0151H-UL  
MML-UP0181H-UL / MML-UP0241H-UL



# Contents

1. Specifications
2. Dimensions
3. Center of gravity
4. Piping diagram
5. Wiring diagram
6. Electrical characteristics
7. Sensible capacity table
8. Air flow distance chart
9. Sound data

## 1. Specifications



| Model name                                    |                                       |         | MML-                                                         | UP0071H-UL          | UP0091H-UL      | UP0121H-UL      | UP0151H-UL      | UP0181H-UL      | UP0241H-UL      |
|-----------------------------------------------|---------------------------------------|---------|--------------------------------------------------------------|---------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Cooling capacity                              |                                       |         | kBtu/h                                                       | 7.5                 | 9.5             | 12.0            | 15.4            | 18.0            | 24.0            |
| Heating capacity                              |                                       |         | kBtu/h                                                       | 8.5                 | 10.5            | 13.5            | 17.0            | 20.0            | 27.0            |
| Electrical characteristics                    | Power supply                          |         | 230 V (208 V / 230 V) 1 phase 60 Hz                          |                     |                 |                 |                 |                 |                 |
|                                               | Power consumption                     | 208 V   | kW                                                           | 0.049               | 0.049           | 0.080           | 0.080           | 0.098           | 0.098           |
|                                               |                                       | 230 V   | kW                                                           | 0.058               | 0.058           | 0.093           | 0.093           | 0.113           | 0.113           |
| Appearance                                    |                                       |         | Silky shade (Munsell 1Y8.5/0.5)                              |                     |                 |                 |                 |                 |                 |
| Dimension                                     | Unit                                  | Height  | In                                                           | 24.8                | 24.8            | 24.8            | 24.8            | 24.8            | 24.8            |
|                                               |                                       | Width   | In                                                           | 37.4                | 37.4            | 37.4            | 37.4            | 37.4            | 37.4            |
|                                               |                                       | Depth   | In                                                           | 9.1                 | 9.1             | 9.1             | 9.1             | 9.1             | 9.1             |
|                                               | Packing                               | Height  | In                                                           | 29.0                | 29.0            | 29.0            | 29.0            | 29.0            | 29.0            |
|                                               |                                       | Width   | In                                                           | 41.3                | 41.3            | 41.3            | 41.3            | 41.3            | 41.3            |
|                                               |                                       | Depth   | In                                                           | 12.9                | 12.9            | 12.9            | 12.9            | 12.9            | 12.9            |
| Total weight                                  | Unit                                  |         | lbs                                                          | 81.6                | 81.6            | 81.6            | 81.6            | 88.2            | 88.2            |
|                                               | Packing                               |         | lbs                                                          | 88.2                | 88.2            | 88.2            | 88.2            | 94.8            | 94.8            |
| Heat exchanger                                |                                       |         | Finned tube                                                  |                     |                 |                 |                 |                 |                 |
| Fan unit                                      | Fan                                   |         | Centrifugal fan                                              |                     |                 |                 |                 |                 |                 |
|                                               | Standard air flow (High / Mid. / Low) |         | cfm                                                          | 280 / 250 / 210     | 280 / 250 / 210 | 530 / 460 / 380 | 530 / 460 / 380 | 640 / 550 / 460 | 640 / 550 / 460 |
|                                               | Motor                                 |         | W                                                            | 19                  | 19              | 45              | 45              | 70              | 70              |
| Air filter                                    |                                       |         | Standard filter (Simple filter) (18.4 In × 6.3 In × 2sheets) |                     |                 |                 |                 |                 |                 |
| Connecting pipe                               | Gas side                              |         | In                                                           | 3 / 8"              | 3 / 8"          | 3 / 8"          | 1 / 2"          | 1 / 2"          | 5 / 8"          |
|                                               | Liquid side                           |         | In                                                           | 1 / 4"              | 1 / 4"          | 1 / 4"          | 1 / 4"          | 1 / 4"          | 3 / 8"          |
|                                               | Drain port (Nominal dia. mm)          |         | 20 (Polyvinyl chloride tube)                                 |                     |                 |                 |                 |                 |                 |
| Sound pressure level (High / Mid. / Low) (*1) |                                       | 208 V   | dB (A)                                                       | 39 / 38 / 35        | 39 / 38 / 35    | 47 / 44 / 40    | 47 / 44 / 40    | 51 / 46 / 41    | 51 / 46 / 41    |
|                                               |                                       | 230 V   | dB (A)                                                       | 42 / 40 / 38        | 42 / 40 / 38    | 50 / 46 / 42    | 50 / 46 / 42    | 53 / 48 / 43    | 53 / 48 / 43    |
| Operating Range (*2)                          |                                       | Cooling | (°F)                                                         | 59 to 75 (Wet Bulb) |                 |                 |                 |                 |                 |
|                                               |                                       | Heating | (°F)                                                         | 59 to 82 (Dry Bulb) |                 |                 |                 |                 |                 |

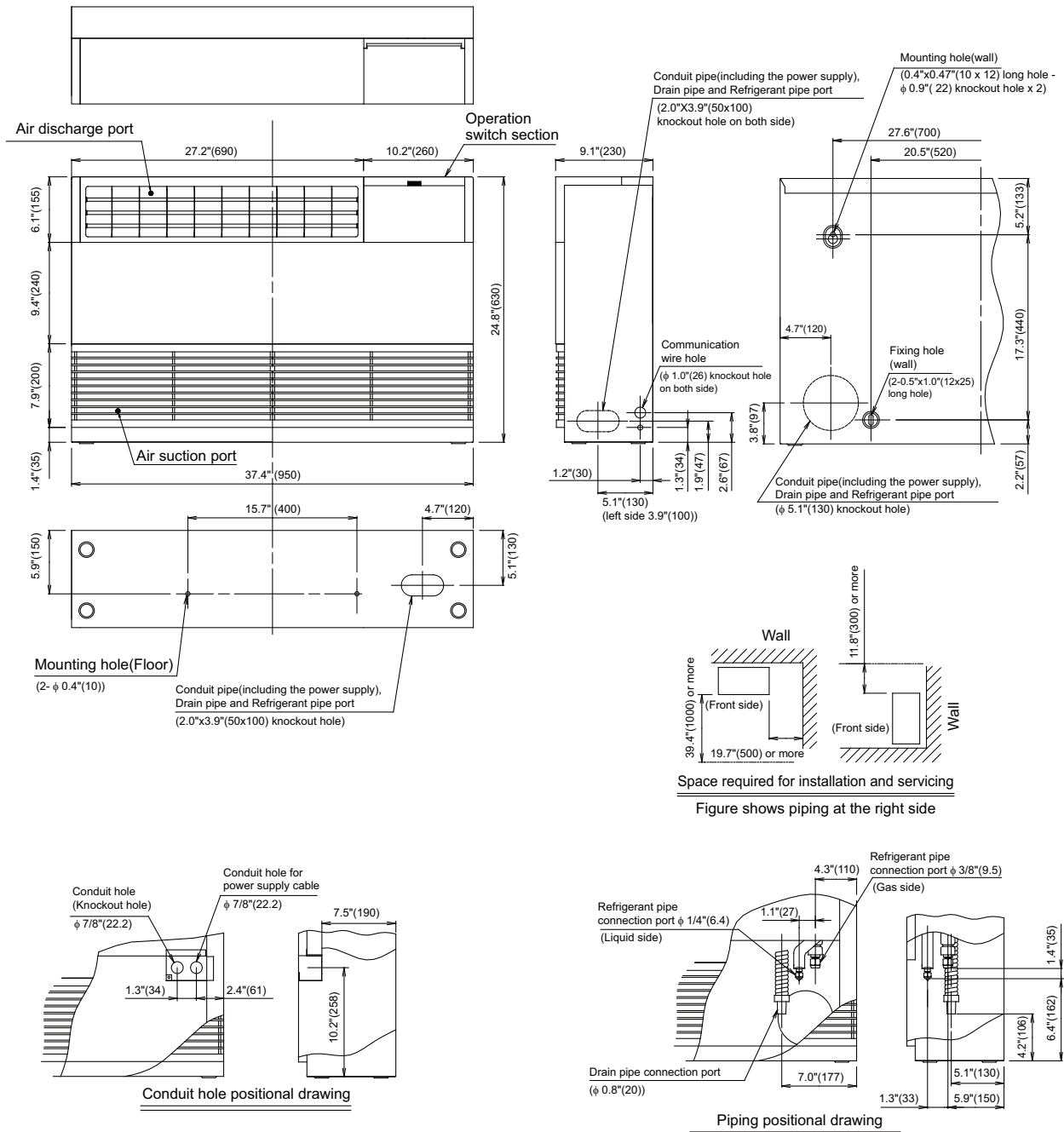
### Note

(\*1) The actual values in an external operating environment are generally higher than the indicated values due to the contribution from ambient noise.

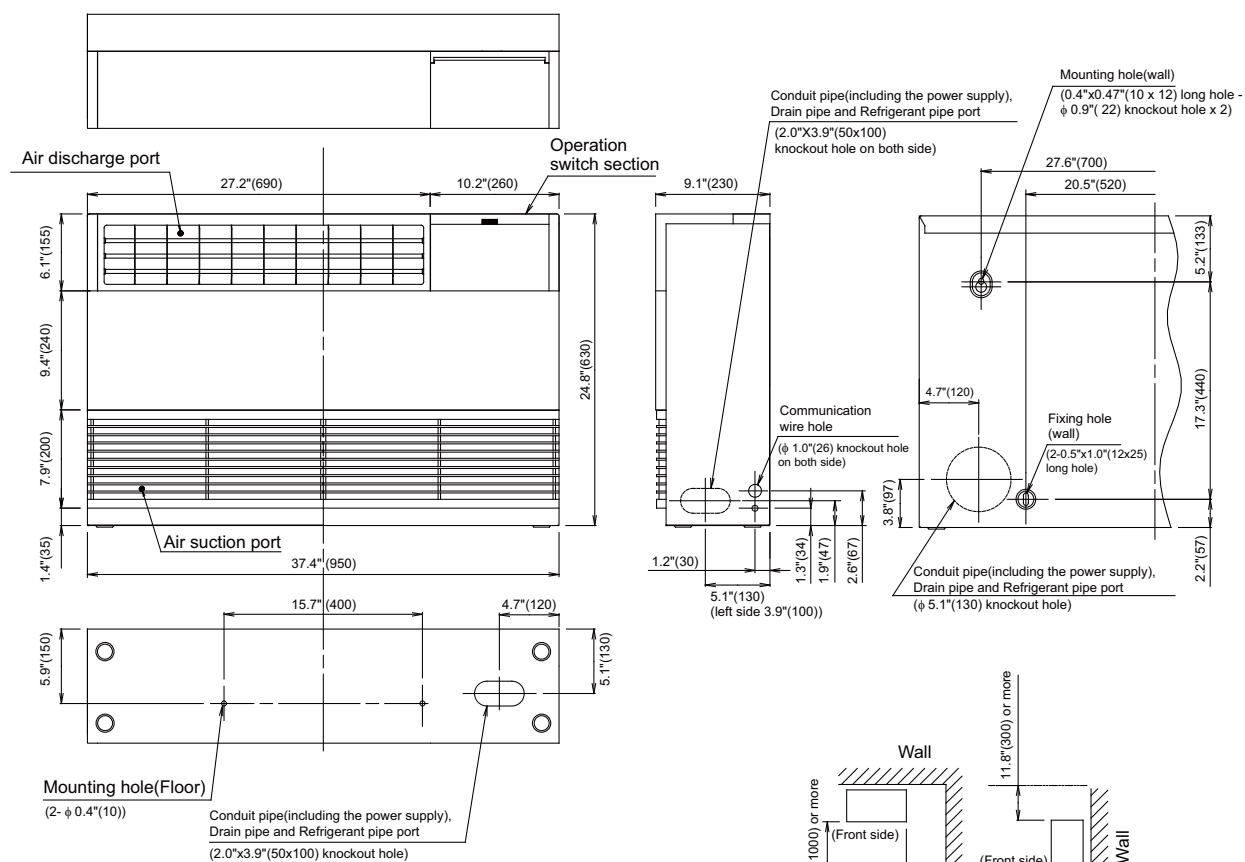
(\*2) Refer to outdoor unit databook for operating range of outdoor units.

## 2. Dimensions

### MML-UP0071H-UL, UP0091H-UL, UP0124H-UL

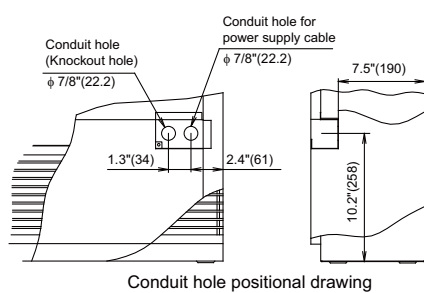


**MML-UP0151H-UL, UP0181H-UL**

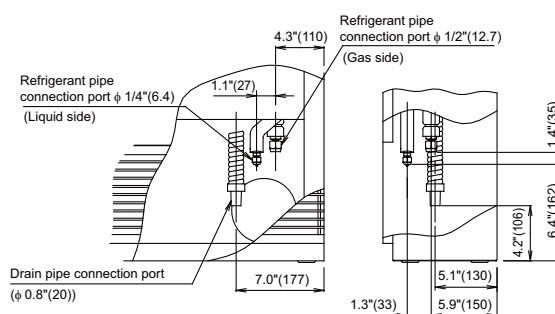


Space required for installation and servicing

Figure shows piping at the right side

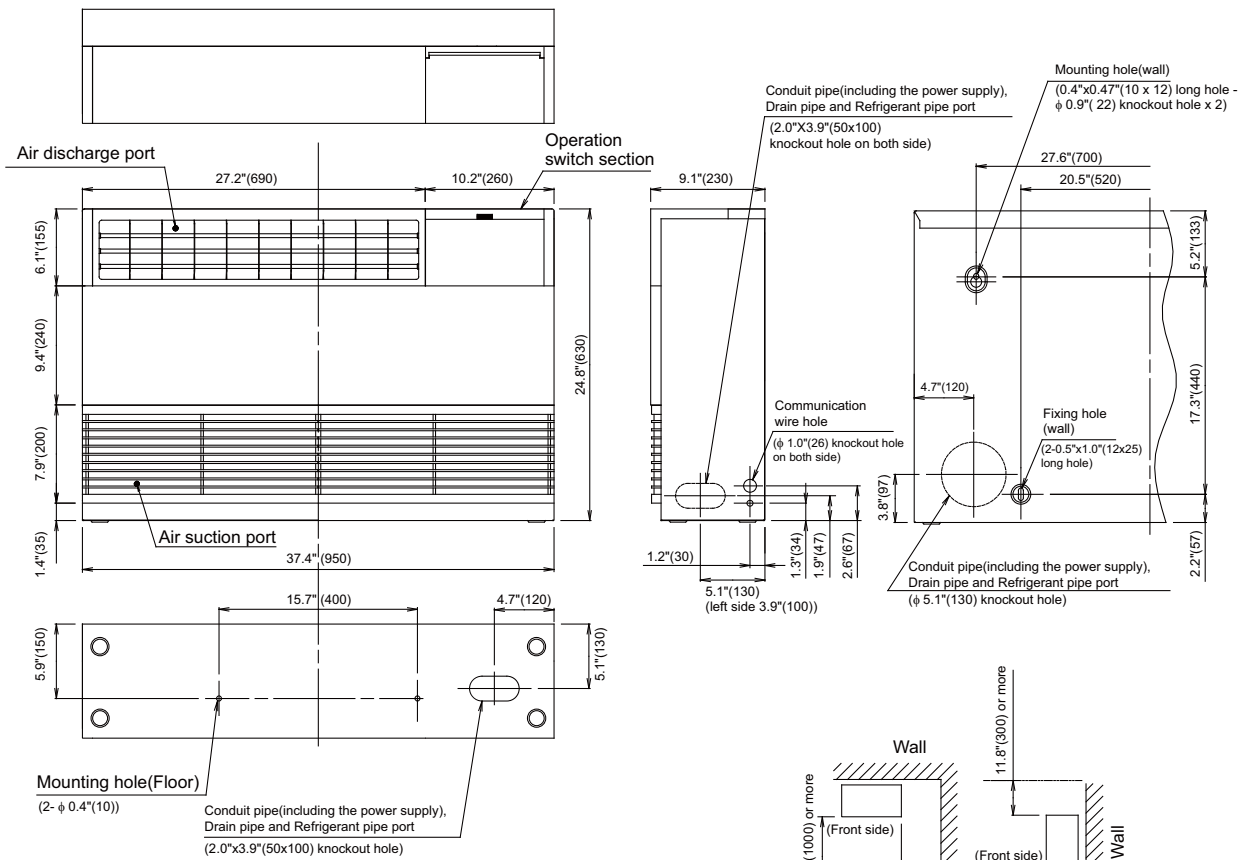


### Conduit hole positional drawing



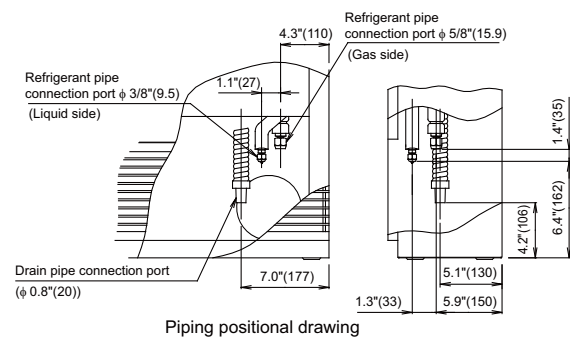
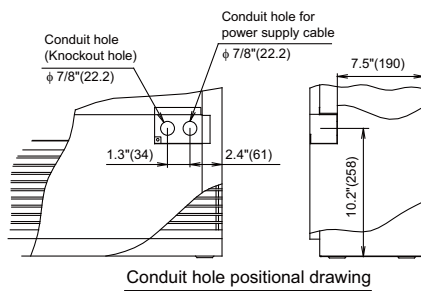
## Piping positional drawing

## MML-UP0241H-UL



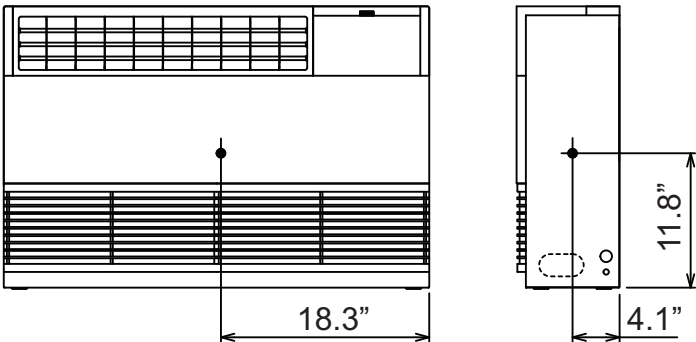
Space required for installation and servicing

Figure shows piping at the right side

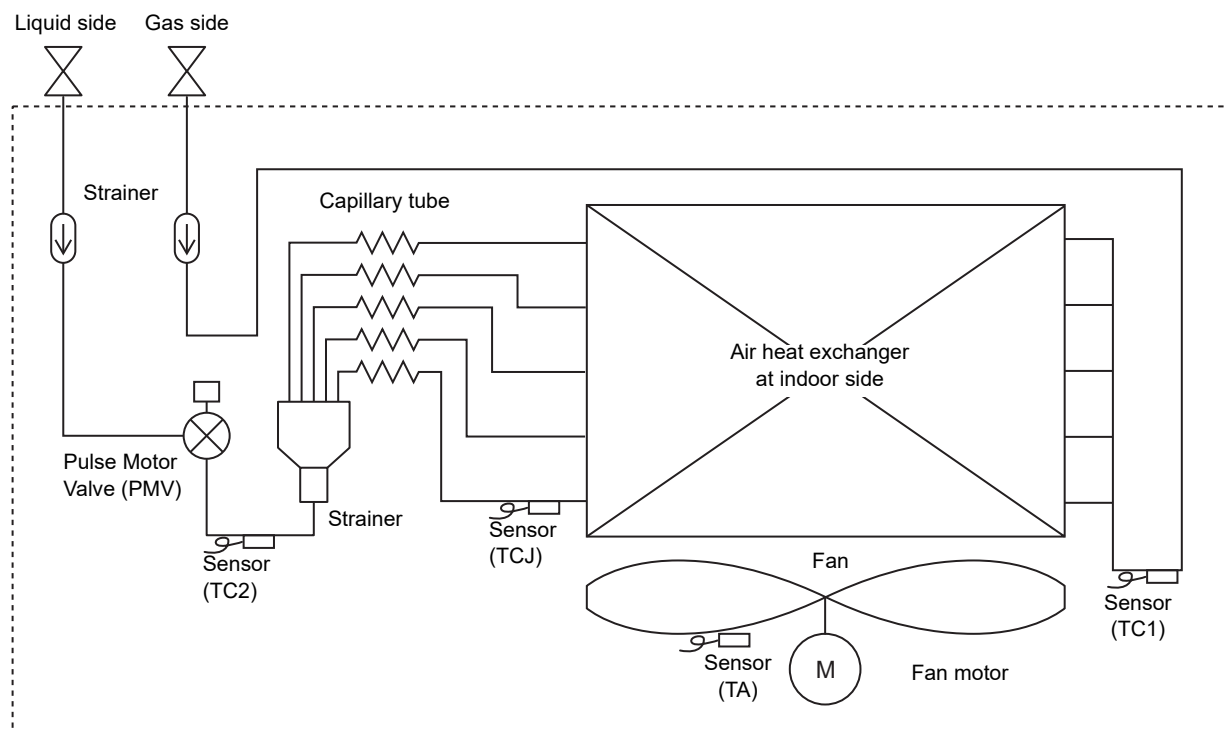


3. Center of gravity

| Model name     | Total weight (lbs) |
|----------------|--------------------|
| MML-UP0071H-UL | 88.2               |
| MML-UP0091H-UL |                    |
| MML-UP0121H-UL |                    |
| MML-UP0151H-UL | 94.8               |
| MML-UP0181H-UL |                    |
| MML-UP0241H-UL |                    |



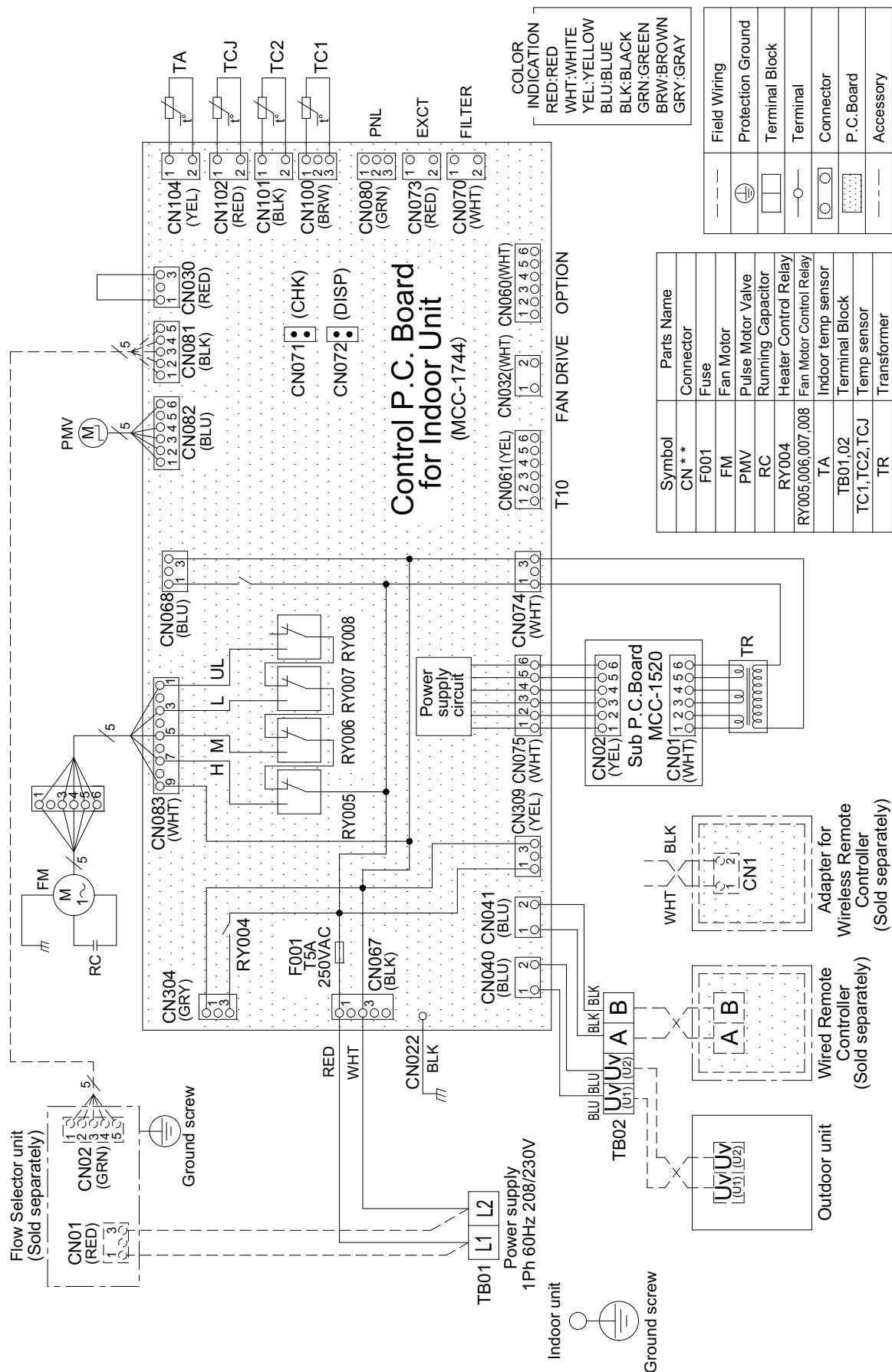
#### 4. Piping diagram



| Functional part name |        | Functional outline                                                                                                                                                                                                               |
|----------------------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pulse Motor Valve    | PMV    | (Connector CN082 (6P): Blue)<br>1) Controls super heat in cooling operation<br>2) Controls sub cool in heating operation<br>3) Recovers refrigerant oil in cooling operation<br>4) Recovers refrigerant oil in heating operation |
| Temp. sensor         | 1. TA  | (Connector CN104 (2P): Yellow)<br>1) Detects indoor suction temperature                                                                                                                                                          |
|                      | 2. TC1 | (Connector CN100 (3P): Brown)<br>1) Controls PMV super heat in cooling operation                                                                                                                                                 |
|                      | 3. TC2 | (Connector CN101 (2P): Black)<br>1) Controls PMV sub cool in heating operation                                                                                                                                                   |
|                      | 4. TCJ | (Connector CN102 (2P): Red)<br>1) Controls PMV super heat in cooling operation                                                                                                                                                   |

5. Wiring diagram

MML-UP0071H-UL, UP0091H-UL, UP0121H-UL, UP0151H-UL, UP0181H-UL, UP0244H-UL



## 6. Electrical characteristics

| Type                          | Model          | Nominal Voltage<br>(V-Ph-Hz) | Voltage Range (A) |     | Power<br>consumption<br>kw | FLA<br>A | MCA<br>A | MOCP<br>A |
|-------------------------------|----------------|------------------------------|-------------------|-----|----------------------------|----------|----------|-----------|
|                               |                |                              | Min               | Max |                            |          |          |           |
| Floor Console<br>Exposed Type | MML-UP0071H-UL | 208/230-1-60                 | 187               | 253 | 0.049/0.058                | 0.3      | 0.4      | 15        |
|                               | MML-UP0091H-UL | 208/230-1-60                 | 187               | 253 | 0.049/0.058                | 0.3      | 0.4      | 15        |
|                               | MML-UP0121H-UL | 208/230-1-60                 | 187               | 253 | 0.080/0.093                | 0.5      | 0.6      | 15        |
|                               | MML-UP0151H-UL | 208/230-1-60                 | 187               | 253 | 0.080/0.093                | 0.5      | 0.6      | 15        |
|                               | MML-UP0181H-UL | 208/230-1-60                 | 187               | 253 | 0.098/0.113                | 0.6      | 0.7      | 15        |
|                               | MML-UP0241H-UL | 208/230-1-60                 | 187               | 253 | 0.098/0.113                | 0.6      | 0.7      | 15        |

MCA: Minimum Circuit Amps

FLA : Full Load Amps

MOCP: Maximum Overcurrent Protection (Amps)

kW : Fan Motor Rated Output (kW)

## 7. Sensible capacity table

### Floor console exposed Type (MML-UP\_\_1H-UL)

| unit size | outdoor air temp. °FDB | indoor air temp. |      |        |      |        |      |        |      |        |      |        |      |        |      |
|-----------|------------------------|------------------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
|           |                        | 59°FWB           |      | 61°FWB |      | 64°FWB |      | 67°FWB |      | 68°FWB |      | 72°FWB |      | 75°FWB |      |
|           |                        | 71°FDB           |      | 73°FDB |      | 77°FDB |      | 80°FDB |      | 82°FDB |      | 86°FDB |      | 90°FDB |      |
|           |                        | TC               | SHC  | TC     | SHC  | TC     | SHC  | TC     | SHC  | TC     | SHC  | TC     | SHC  | TC     | SHC  |
| 007       | 50                     | 6380             | 4320 | 6680   | 4440 | 7100   | 4620 | 7500   | 4770 | 7630   | 4780 | 8110   | 4720 | 8450   | 4550 |
|           | 54                     | 6380             | 4320 | 6680   | 4440 | 7100   | 4620 | 7500   | 4770 | 7630   | 4780 | 8110   | 4720 | 8450   | 4550 |
|           | 57                     | 6380             | 4320 | 6680   | 4440 | 7100   | 4620 | 7500   | 4770 | 7630   | 4780 | 8110   | 4720 | 8450   | 4550 |
|           | 61                     | 6380             | 4320 | 6680   | 4440 | 7100   | 4620 | 7500   | 4770 | 7630   | 4780 | 8110   | 4720 | 8450   | 4550 |
|           | 64                     | 6380             | 4320 | 6680   | 4440 | 7100   | 4620 | 7500   | 4770 | 7630   | 4780 | 8110   | 4720 | 8450   | 4550 |
|           | 68                     | 6380             | 4320 | 6680   | 4440 | 7100   | 4620 | 7500   | 4770 | 7630   | 4780 | 8110   | 4720 | 8450   | 4550 |
|           | 70                     | 6380             | 4320 | 6680   | 4440 | 7100   | 4620 | 7500   | 4770 | 7630   | 4780 | 8110   | 4720 | 8450   | 4550 |
|           | 73                     | 6380             | 4320 | 6680   | 4440 | 7100   | 4620 | 7500   | 4770 | 7630   | 4780 | 8110   | 4720 | 8450   | 4550 |
|           | 77                     | 6380             | 4320 | 6680   | 4440 | 7100   | 4620 | 7500   | 4770 | 7630   | 4780 | 8110   | 4720 | 8450   | 4550 |
|           | 81                     | 6380             | 4320 | 6680   | 4440 | 7100   | 4620 | 7500   | 4770 | 7630   | 4780 | 8110   | 4720 | 8450   | 4550 |
|           | 84                     | 6380             | 4320 | 6680   | 4440 | 7100   | 4620 | 7500   | 4770 | 7630   | 4780 | 8110   | 4720 | 8450   | 4550 |
|           | 88                     | 6380             | 4320 | 6680   | 4440 | 7100   | 4620 | 7500   | 4770 | 7630   | 4780 | 8110   | 4720 | 8450   | 4550 |
|           | 91                     | 6380             | 4320 | 6680   | 4440 | 7100   | 4620 | 7500   | 4770 | 7630   | 4780 | 8110   | 4720 | 8450   | 4550 |
|           | 95                     | 6380             | 4320 | 6680   | 4440 | 7100   | 4620 | 7500   | 4770 | 7630   | 4780 | 8110   | 4720 | 8450   | 4550 |
| 009       | 99                     | 6190             | 4190 | 6490   | 4310 | 6890   | 4490 | 7280   | 4630 | 7410   | 4640 | 7870   | 4580 | 8200   | 4420 |
|           | 102                    | 6050             | 4100 | 6330   | 4210 | 6730   | 4380 | 7110   | 4520 | 7230   | 4530 | 7690   | 4470 | 8010   | 4310 |
|           | 50                     | 8090             | 4930 | 8460   | 5060 | 9000   | 5270 | 9500   | 5430 | 9660   | 5440 | 10270  | 5370 | 10700  | 5180 |
|           | 54                     | 8090             | 4930 | 8460   | 5060 | 9000   | 5270 | 9500   | 5430 | 9660   | 5440 | 10270  | 5370 | 10700  | 5180 |
|           | 57                     | 8090             | 4930 | 8460   | 5060 | 9000   | 5270 | 9500   | 5430 | 9660   | 5440 | 10270  | 5370 | 10700  | 5180 |
|           | 61                     | 8090             | 4930 | 8460   | 5060 | 9000   | 5270 | 9500   | 5430 | 9660   | 5440 | 10270  | 5370 | 10700  | 5180 |
|           | 64                     | 8090             | 4930 | 8460   | 5060 | 9000   | 5270 | 9500   | 5430 | 9660   | 5440 | 10270  | 5370 | 10700  | 5180 |
|           | 68                     | 8090             | 4930 | 8460   | 5060 | 9000   | 5270 | 9500   | 5430 | 9660   | 5440 | 10270  | 5370 | 10700  | 5180 |
|           | 70                     | 8090             | 4930 | 8460   | 5060 | 9000   | 5270 | 9500   | 5430 | 9660   | 5440 | 10270  | 5370 | 10700  | 5180 |
|           | 73                     | 8090             | 4930 | 8460   | 5060 | 9000   | 5270 | 9500   | 5430 | 9660   | 5440 | 10270  | 5370 | 10700  | 5180 |
|           | 77                     | 8090             | 4930 | 8460   | 5060 | 9000   | 5270 | 9500   | 5430 | 9660   | 5440 | 10270  | 5370 | 10700  | 5180 |
|           | 81                     | 8090             | 4930 | 8460   | 5060 | 9000   | 5270 | 9500   | 5430 | 9660   | 5440 | 10270  | 5370 | 10700  | 5180 |
|           | 84                     | 8090             | 4930 | 8460   | 5060 | 9000   | 5270 | 9500   | 5430 | 9660   | 5440 | 10270  | 5370 | 10700  | 5180 |
|           | 88                     | 8090             | 4930 | 8460   | 5060 | 9000   | 5270 | 9500   | 5430 | 9660   | 5440 | 10270  | 5370 | 10700  | 5180 |
|           | 91                     | 8090             | 4930 | 8460   | 5060 | 9000   | 5270 | 9500   | 5430 | 9660   | 5440 | 10270  | 5370 | 10700  | 5180 |
| 012       | 95                     | 8090             | 4930 | 8460   | 5060 | 9000   | 5270 | 9500   | 5430 | 9660   | 5440 | 10270  | 5370 | 10700  | 5180 |
|           | 99                     | 7860             | 4790 | 8210   | 4910 | 8740   | 5120 | 9220   | 5270 | 9380   | 5280 | 9970   | 5210 | 10390  | 5030 |
|           | 102                    | 7670             | 4670 | 8020   | 4800 | 8530   | 5000 | 9010   | 5150 | 9160   | 5160 | 9740   | 5090 | 10140  | 4910 |
|           | 50                     | 10210            | 6640 | 10690  | 6830 | 11360  | 7100 | 12000  | 7330 | 12210  | 7350 | 12980  | 7260 | 13510  | 6980 |
|           | 54                     | 10210            | 6640 | 10690  | 6830 | 11360  | 7100 | 12000  | 7330 | 12210  | 7350 | 12980  | 7260 | 13510  | 6980 |
|           | 57                     | 10210            | 6640 | 10690  | 6830 | 11360  | 7100 | 12000  | 7330 | 12210  | 7350 | 12980  | 7260 | 13510  | 6980 |
|           | 61                     | 10210            | 6640 | 10690  | 6830 | 11360  | 7100 | 12000  | 7330 | 12210  | 7350 | 12980  | 7260 | 13510  | 6980 |
|           | 64                     | 10210            | 6640 | 10690  | 6830 | 11360  | 7100 | 12000  | 7330 | 12210  | 7350 | 12980  | 7260 | 13510  | 6980 |
|           | 68                     | 10210            | 6640 | 10690  | 6830 | 11360  | 7100 | 12000  | 7330 | 12210  | 7350 | 12980  | 7260 | 13510  | 6980 |
|           | 70                     | 10210            | 6640 | 10690  | 6830 | 11360  | 7100 | 12000  | 7330 | 12210  | 7350 | 12980  | 7260 | 13510  | 6980 |
|           | 73                     | 10210            | 6640 | 10690  | 6830 | 11360  | 7100 | 12000  | 7330 | 12210  | 7350 | 12980  | 7260 | 13510  | 6980 |
|           | 77                     | 10210            | 6640 | 10690  | 6830 | 11360  | 7100 | 12000  | 7330 | 12210  | 7350 | 12980  | 7260 | 13510  | 6980 |
|           | 81                     | 10210            | 6640 | 10690  | 6830 | 11360  | 7100 | 12000  | 7330 | 12210  | 7350 | 12980  | 7260 | 13510  | 6980 |
|           | 84                     | 10210            | 6640 | 10690  | 6830 | 11360  | 7100 | 12000  | 7330 | 12210  | 7350 | 12980  | 7260 | 13510  | 6980 |
|           | 88                     | 10210            | 6640 | 10690  | 6830 | 11360  | 7100 | 12000  | 7330 | 12210  | 7350 | 12980  | 7260 | 13510  | 6980 |
|           | 91                     | 10210            | 6640 | 10690  | 6830 | 11360  | 7100 | 12000  | 7330 | 12210  | 7350 | 12980  | 7260 | 13510  | 6980 |
|           | 95                     | 10210            | 6640 | 10690  | 6830 | 11360  | 7100 | 12000  | 7330 | 12210  | 7350 | 12980  | 7260 | 13510  | 6980 |
|           | 99                     | 9910             | 6450 | 10380  | 6630 | 11030  | 6890 | 11650  | 7120 | 11860  | 7140 | 12600  | 7050 | 13120  | 6780 |
|           | 102                    | 9680             | 6290 | 10130  | 6470 | 10770  | 6730 | 11380  | 6950 | 11580  | 6970 | 12310  | 6880 | 12810  | 6620 |

TC : Total capacity [Btu/h]

SHC : Sensible capacity [Btu/h]

## Floor console exposed Type (MML-UP\_\_1H-UL)

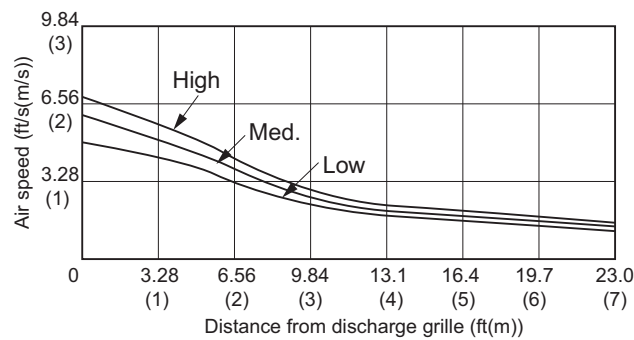
| unit size | outdoor air temp. °FDB | indoor air temp. |       |        |       |        |       |        |       |        |       |        |       |        |       |
|-----------|------------------------|------------------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|
|           |                        | 59°FWB           |       | 61°FWB |       | 64°FWB |       | 67°FWB |       | 68°FWB |       | 72°FWB |       | 75°FWB |       |
|           |                        | 71°FDB           |       | 73°FDB |       | 77°FDB |       | 80°FDB |       | 82°FDB |       | 86°FDB |       | 90°FDB |       |
|           |                        | TC               | SHC   | TC     | SHC   | TC     | SHC   | TC     | SHC   | TC     | SHC   | TC     | SHC   | TC     | SHC   |
| 015       | 50                     | 13110            | 8690  | 13710  | 8920  | 14580  | 9290  | 15400  | 9580  | 15660  | 9600  | 16660  | 9490  | 17340  | 9130  |
|           | 54                     | 13110            | 8690  | 13710  | 8920  | 14580  | 9290  | 15400  | 9580  | 15660  | 9600  | 16660  | 9490  | 17340  | 9130  |
|           | 57                     | 13110            | 8690  | 13710  | 8920  | 14580  | 9290  | 15400  | 9580  | 15660  | 9600  | 16660  | 9490  | 17340  | 9130  |
|           | 61                     | 13110            | 8690  | 13710  | 8920  | 14580  | 9290  | 15400  | 9580  | 15660  | 9600  | 16660  | 9490  | 17340  | 9130  |
|           | 64                     | 13110            | 8690  | 13710  | 8920  | 14580  | 9290  | 15400  | 9580  | 15660  | 9600  | 16660  | 9490  | 17340  | 9130  |
|           | 68                     | 13110            | 8690  | 13710  | 8920  | 14580  | 9290  | 15400  | 9580  | 15660  | 9600  | 16660  | 9490  | 17340  | 9130  |
|           | 70                     | 13110            | 8690  | 13710  | 8920  | 14580  | 9290  | 15400  | 9580  | 15660  | 9600  | 16660  | 9490  | 17340  | 9130  |
|           | 73                     | 13110            | 8690  | 13710  | 8920  | 14580  | 9290  | 15400  | 9580  | 15660  | 9600  | 16660  | 9490  | 17340  | 9130  |
|           | 77                     | 13110            | 8690  | 13710  | 8920  | 14580  | 9290  | 15400  | 9580  | 15660  | 9600  | 16660  | 9490  | 17340  | 9130  |
|           | 81                     | 13110            | 8690  | 13710  | 8920  | 14580  | 9290  | 15400  | 9580  | 15660  | 9600  | 16660  | 9490  | 17340  | 9130  |
|           | 84                     | 13110            | 8690  | 13710  | 8920  | 14580  | 9290  | 15400  | 9580  | 15660  | 9600  | 16660  | 9490  | 17340  | 9130  |
|           | 88                     | 13110            | 8690  | 13710  | 8920  | 14580  | 9290  | 15400  | 9580  | 15660  | 9600  | 16660  | 9490  | 17340  | 9130  |
|           | 91                     | 13110            | 8690  | 13710  | 8920  | 14580  | 9290  | 15400  | 9580  | 15660  | 9600  | 16660  | 9490  | 17340  | 9130  |
|           | 95                     | 13110            | 8690  | 13710  | 8920  | 14580  | 9290  | 15400  | 9580  | 15660  | 9600  | 16660  | 9490  | 17340  | 9130  |
|           | 99                     | 12730            | 8440  | 13310  | 8660  | 14160  | 9020  | 14950  | 9300  | 15210  | 9320  | 16180  | 9210  | 16840  | 8870  |
|           | 102                    | 12430            | 8240  | 13000  | 8460  | 13820  | 8810  | 14600  | 9080  | 14850  | 9100  | 15790  | 9000  | 16440  | 8660  |
| 018       | 50                     | 15320            | 10200 | 16030  | 10480 | 17040  | 10900 | 18000  | 11250 | 18310  | 11280 | 19470  | 11140 | 20270  | 10720 |
|           | 54                     | 15320            | 10200 | 16030  | 10480 | 17040  | 10900 | 18000  | 11250 | 18310  | 11280 | 19470  | 11140 | 20270  | 10720 |
|           | 57                     | 15320            | 10200 | 16030  | 10480 | 17040  | 10900 | 18000  | 11250 | 18310  | 11280 | 19470  | 11140 | 20270  | 10720 |
|           | 61                     | 15320            | 10200 | 16030  | 10480 | 17040  | 10900 | 18000  | 11250 | 18310  | 11280 | 19470  | 11140 | 20270  | 10720 |
|           | 64                     | 15320            | 10200 | 16030  | 10480 | 17040  | 10900 | 18000  | 11250 | 18310  | 11280 | 19470  | 11140 | 20270  | 10720 |
|           | 68                     | 15320            | 10200 | 16030  | 10480 | 17040  | 10900 | 18000  | 11250 | 18310  | 11280 | 19470  | 11140 | 20270  | 10720 |
|           | 70                     | 15320            | 10200 | 16030  | 10480 | 17040  | 10900 | 18000  | 11250 | 18310  | 11280 | 19470  | 11140 | 20270  | 10720 |
|           | 73                     | 15320            | 10200 | 16030  | 10480 | 17040  | 10900 | 18000  | 11250 | 18310  | 11280 | 19470  | 11140 | 20270  | 10720 |
|           | 77                     | 15320            | 10200 | 16030  | 10480 | 17040  | 10900 | 18000  | 11250 | 18310  | 11280 | 19470  | 11140 | 20270  | 10720 |
|           | 81                     | 15320            | 10200 | 16030  | 10480 | 17040  | 10900 | 18000  | 11250 | 18310  | 11280 | 19470  | 11140 | 20270  | 10720 |
|           | 84                     | 15320            | 10200 | 16030  | 10480 | 17040  | 10900 | 18000  | 11250 | 18310  | 11280 | 19470  | 11140 | 20270  | 10720 |
|           | 88                     | 15320            | 10200 | 16030  | 10480 | 17040  | 10900 | 18000  | 11250 | 18310  | 11280 | 19470  | 11140 | 20270  | 10720 |
|           | 91                     | 15320            | 10200 | 16030  | 10480 | 17040  | 10900 | 18000  | 11250 | 18310  | 11280 | 19470  | 11140 | 20270  | 10720 |
|           | 95                     | 15320            | 10200 | 16030  | 10480 | 17040  | 10900 | 18000  | 11250 | 18310  | 11280 | 19470  | 11140 | 20270  | 10720 |
|           | 99                     | 14880            | 9900  | 15570  | 10180 | 16550  | 10580 | 17480  | 10920 | 17780  | 10950 | 18910  | 10820 | 19680  | 10410 |
|           | 102                    | 14520            | 9670  | 15200  | 9940  | 16150  | 10330 | 17060  | 10670 | 17360  | 10690 | 18460  | 10560 | 19220  | 10160 |
| 024       | 50                     | 20430            | 13790 | 21370  | 14170 | 22730  | 14750 | 24000  | 15210 | 24410  | 15250 | 25960  | 15060 | 27020  | 14490 |
|           | 54                     | 20430            | 13790 | 21370  | 14170 | 22730  | 14750 | 24000  | 15210 | 24410  | 15250 | 25960  | 15060 | 27020  | 14490 |
|           | 57                     | 20430            | 13790 | 21370  | 14170 | 22730  | 14750 | 24000  | 15210 | 24410  | 15250 | 25960  | 15060 | 27020  | 14490 |
|           | 61                     | 20430            | 13790 | 21370  | 14170 | 22730  | 14750 | 24000  | 15210 | 24410  | 15250 | 25960  | 15060 | 27020  | 14490 |
|           | 64                     | 20430            | 13790 | 21370  | 14170 | 22730  | 14750 | 24000  | 15210 | 24410  | 15250 | 25960  | 15060 | 27020  | 14490 |
|           | 68                     | 20430            | 13790 | 21370  | 14170 | 22730  | 14750 | 24000  | 15210 | 24410  | 15250 | 25960  | 15060 | 27020  | 14490 |
|           | 70                     | 20430            | 13790 | 21370  | 14170 | 22730  | 14750 | 24000  | 15210 | 24410  | 15250 | 25960  | 15060 | 27020  | 14490 |
|           | 73                     | 20430            | 13790 | 21370  | 14170 | 22730  | 14750 | 24000  | 15210 | 24410  | 15250 | 25960  | 15060 | 27020  | 14490 |
|           | 77                     | 20430            | 13790 | 21370  | 14170 | 22730  | 14750 | 24000  | 15210 | 24410  | 15250 | 25960  | 15060 | 27020  | 14490 |
|           | 81                     | 20430            | 13790 | 21370  | 14170 | 22730  | 14750 | 24000  | 15210 | 24410  | 15250 | 25960  | 15060 | 27020  | 14490 |
|           | 84                     | 20430            | 13790 | 21370  | 14170 | 22730  | 14750 | 24000  | 15210 | 24410  | 15250 | 25960  | 15060 | 27020  | 14490 |
|           | 88                     | 20430            | 13790 | 21370  | 14170 | 22730  | 14750 | 24000  | 15210 | 24410  | 15250 | 25960  | 15060 | 27020  | 14490 |
|           | 91                     | 20430            | 13790 | 21370  | 14170 | 22730  | 14750 | 24000  | 15210 | 24410  | 15250 | 25960  | 15060 | 27020  | 14490 |
|           | 95                     | 20430            | 13790 | 21370  | 14170 | 22730  | 14750 | 24000  | 15210 | 24410  | 15250 | 25960  | 15060 | 27020  | 14490 |
|           | 99                     | 19840            | 13390 | 20750  | 13760 | 22070  | 14320 | 23300  | 14770 | 23700  | 14810 | 25210  | 14620 | 26240  | 14070 |
|           | 102                    | 19370            | 13070 | 20260  | 13430 | 21550  | 13980 | 22750  | 14420 | 23140  | 14460 | 24610  | 14280 | 25610  | 13740 |

TC : Total capacity [Btu/h]

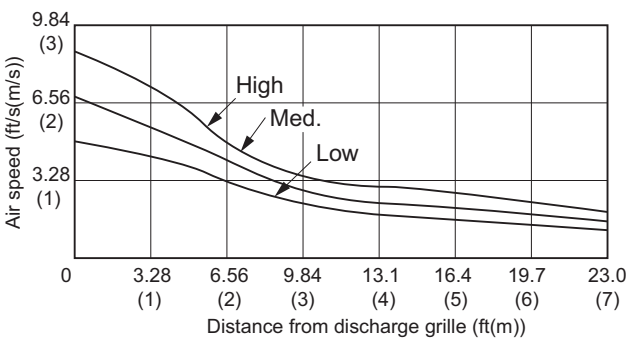
SHC : Sensible capacity [Btu/h]

8. Air flow distance chart

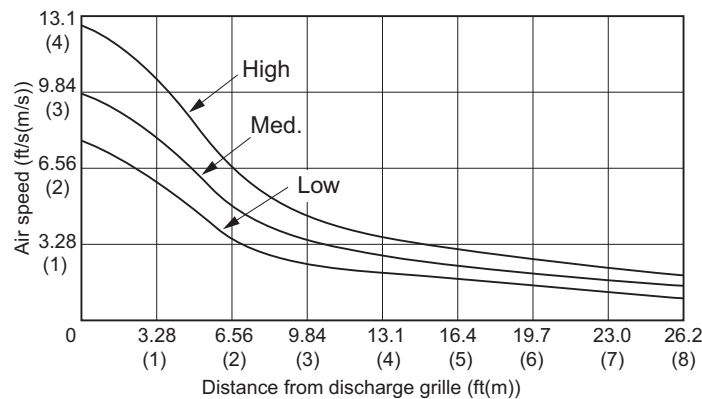
MML-UP0071H-UL, UP0091H-UL



MML-UP0121H-UL, UP0151H-UL

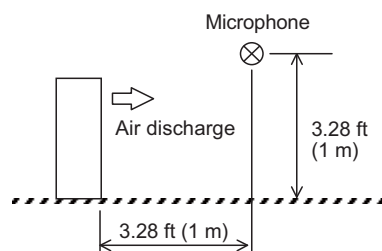


MML-UP0181H-UL, UP0241H-UL



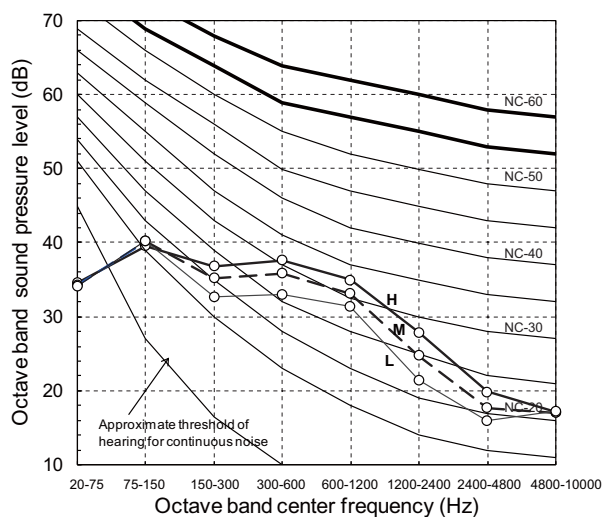
## 9. Sound data

### Sound pressure spectrum



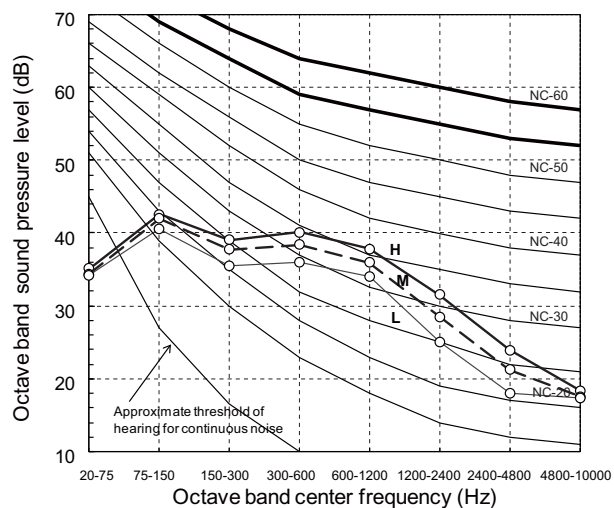
#### MML-UP0071H-UL, UP0091H-UL Power source: 208V/60Hz

| Fan tap                      | H  | M  | L  |
|------------------------------|----|----|----|
| Sound pressure level (dB(A)) | 39 | 38 | 35 |



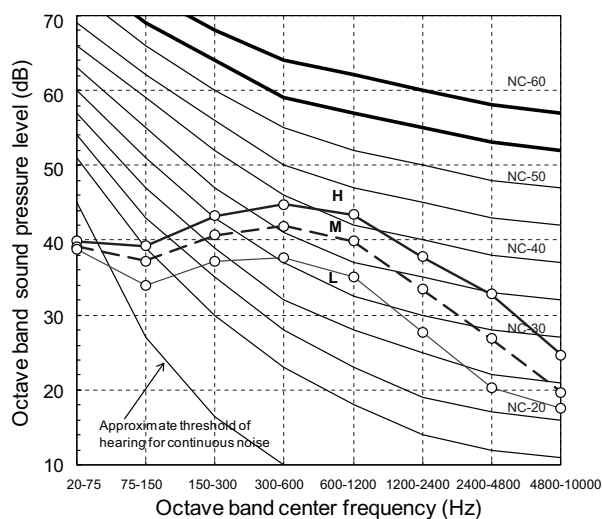
#### MML-UP0071H-UL, UP0094H2UL Power source: 230V/60Hz

| Fan tap                      | H  | M  | L  |
|------------------------------|----|----|----|
| Sound pressure level (dB(A)) | 42 | 40 | 38 |



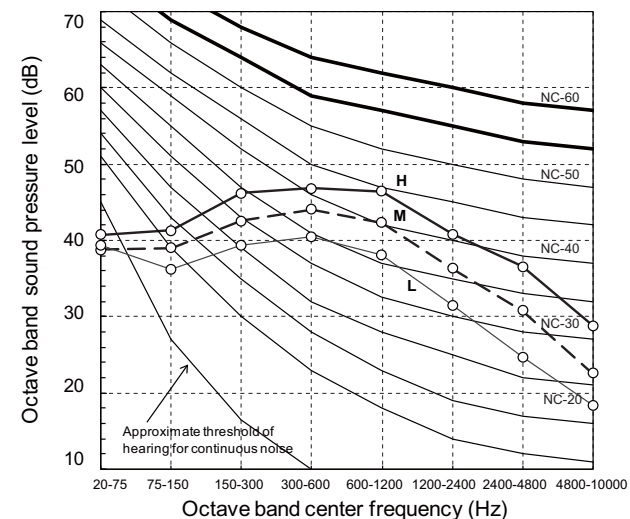
#### MML-UP0121H-UL, UP0151H-UL Power source: 208V/60Hz

| Fan tap                      | H  | M  | L  |
|------------------------------|----|----|----|
| Sound pressure level (dB(A)) | 47 | 44 | 40 |



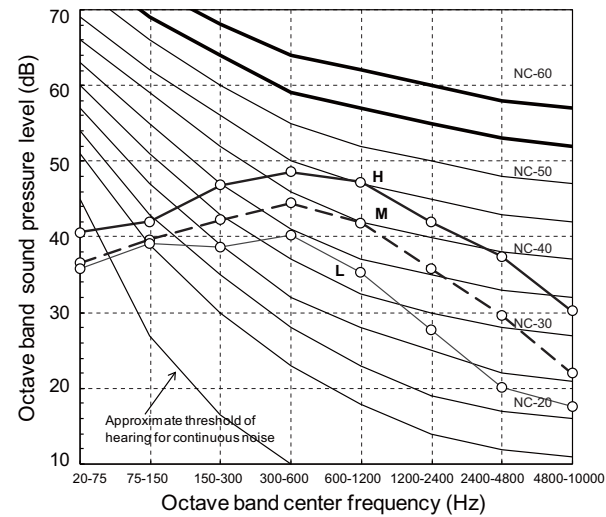
#### MML-UP0121H-UL, UP0151H-UL Power source: 230V/60Hz

| Fan tap                      | H  | M  | L  |
|------------------------------|----|----|----|
| Sound pressure level (dB(A)) | 50 | 46 | 42 |



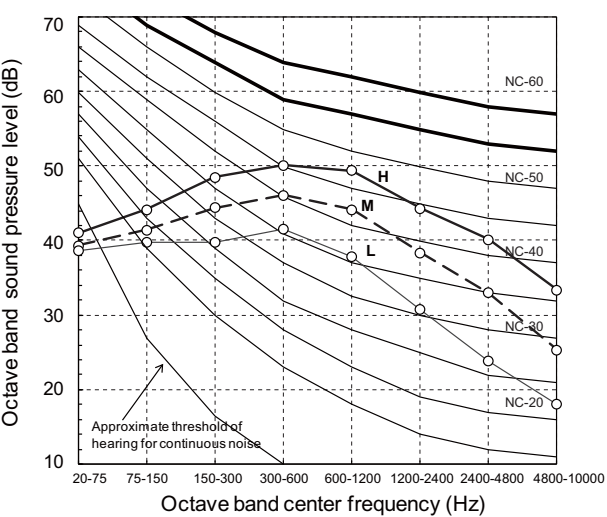
MML-UP0181H-UL, UP0241H-UL  
Power source: 208V/60Hz

| Fan tap                      | H  | M  | L  |
|------------------------------|----|----|----|
| Sound pressure level (dB(A)) | 51 | 46 | 41 |



MML-UP0181H-UL, UP0241H-UL  
Power source: 230V/60Hz

| Fan tap                      | H  | M  | L  |
|------------------------------|----|----|----|
| Sound pressure level (dB(A)) | 53 | 48 | 43 |



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## Floor Console Exposed Type Engineering Data Book

Model name:

**MML-UP\_\_1H-UL**

November, 2022

**TOSHIBA**

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*Carrier*