



# 40VMS Series

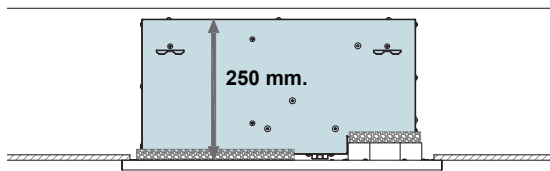
*Chilled water coil 1-way cassette*  
12,000-60,000 BTUH



## 40VMS 1-Way Cassette type Series

### Special Feature

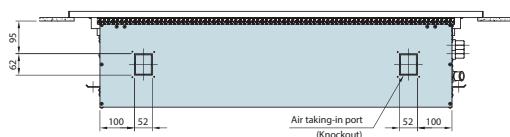
**Compact design** ultra slim body with a minimum of 250 mm. especially suitable for narrow ceiling places.



Model 12,000-24,000 Btu/Hr.

**Housing** construct made from galvanized steel, with the assembly easily removable from the basic unit.

**Fresh air intake port** for high quality air supply requirement, creates more comfort and healthy environment.



Wireless Remote Control



CARR-INTDT08 (Option)



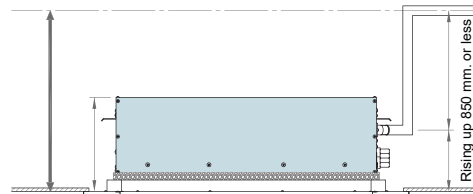
CARR-INTDT09 (Option)



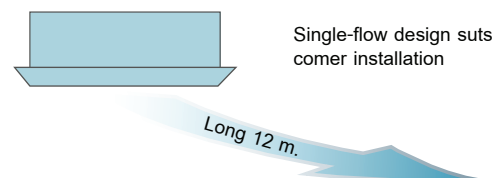
CARR-INTDT09WIFI (Option)

- Auto swing mechanism guarantees even distribution of air flow and better balance of room temperature SWING MODE with vertical supply grille ensures coolness throughout the room. Easily to maintenance.
- Adjustable Fan Speed with AUTO FAN cools down the room quickly. MICROPROCESSOR enables precise temperature control up to 1 degree Celsius.
- TIME DELAY, installed safety protection system, protects and prolongs usage life of compressor by delaying it for 3 minutes before restarting.
- New slim design and new color make 40VMS blended to your decor of any room. Durable anti-rust casing helps the unit last longer.
- Washable filter enhances Indoor Air Quality.

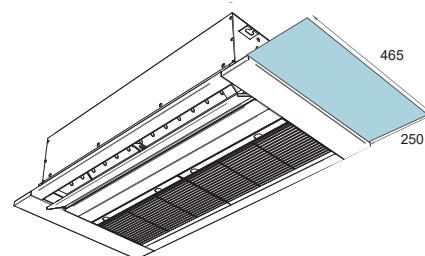
**Standard built-in drain pump** with 850mm. Pump head and slim body makes the installation free from limitation of story height.



**Long air flow** distance to reach cool air in wider room Maximum airflow can reach 12 meters

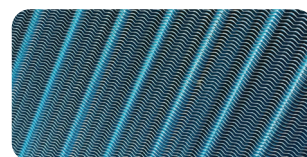


**Easily to Service** Front grille panel with check port (Option)



**Blue fin with Epoxy and Hydrophilic coating**

- Prevents dirt from sticking to the fins
- Condensation water flows and water away dirt
- Anti-corrosion caused by oxidation
- Increases the efficiency of heat exchanger





*The perfect choice for Lobby small size,  
meeting room, hotels and reception areas.*

## Specification

| Specification (รายละเอียดของเครื่อง)              |                         |             | Chilled Water Coil - 1 Way Cassette type |          |          |          |          |          |          |          |
|---------------------------------------------------|-------------------------|-------------|------------------------------------------|----------|----------|----------|----------|----------|----------|----------|
| Model Name (ชื่อรุ่น)                             | Indoor (เครื่องภายใน)   |             | 40VMS                                    |          |          |          |          |          |          |          |
|                                                   |                         |             | 012W                                     | 018W     | 024W     | 030W     | 036W     | 040W     | 048W     | 060W     |
| Cooling Capacity (ความสามารถในการทำความเย็น)      |                         | Btu/hr.     | 14,400                                   | 20,800   | 26,100   | 32,720   | 39,560   | 45,390   | 51,830   | 63,990   |
| Power Consumption (กำลังไฟฟ้า)                    |                         | W           | 72                                       | 134      | 148      | 256      | 340      | 620      | 459      | 459      |
| Power Supply (ระบบไฟฟ้า)                          |                         | V / Ph / Hz | 220 / 1 / 50                             |          |          |          |          |          |          |          |
| Operating Current (กระแสไฟฟ้า)                    |                         | Amp.        | 0.33                                     | 0.62     | 0.7      | 1.2      | 1.6      | 2.9      | 3.6      | 3.6      |
| Motor Power                                       |                         | hp          | 1/25                                     | 1/12     | 1/10     | 1/5      | 1/4      | 1/2      | 3/4      | 3/4      |
| Indoor Air Circulation , Max. (ปริมาณลมหมุนเวียน) |                         | m3/h        | 680                                      | 1,020    | 1,360    | 1,700    | 2,040    | 2,380    | 2,720    | 3,400    |
|                                                   |                         | CFM         | 400                                      | 600      | 800      | 1,000    | 1,200    | 1,400    | 1,600    | 2,000    |
| Sound Level (Hi / Med / Low)                      |                         | db(A)       | 42/36/27                                 | 46/40/32 | 47/42/34 | 50/44/36 | 52/47/39 | 52/48/39 | 53/49/41 | 55/50/41 |
| Net Weight (น้ำหนักเครื่อง)                       | Front Grill Panel       | kg.         | 6                                        | 8        | 9        | 10       | 10       | 12       | 14       | 15       |
|                                                   | Housing                 | kg.         | 20                                       | 24       | 27       | 43       | 44       | 47       | 49       | 51       |
| Connecting Pipe - Indoor (ขนาดท่อที่ใช้)          | Water Inlet (FPT)       | inch        | 1/2"                                     | 1/2"     | 1/2"     | 1/2"     | 1/2"     | 1/2"     | 1/2"     | 1/2"     |
|                                                   | Water Outlet (FPT)      | inch        | 1/2"                                     | 1/2"     | 1/2"     | 1/2"     | 1/2"     | 1/2"     | 1/2"     | 1/2"     |
|                                                   | Drain O.D. (ท่อน้ำทิ้ง) | mm.         | 26                                       | 26       | 26       | 26       | 26       | 26       | 26       | 26       |

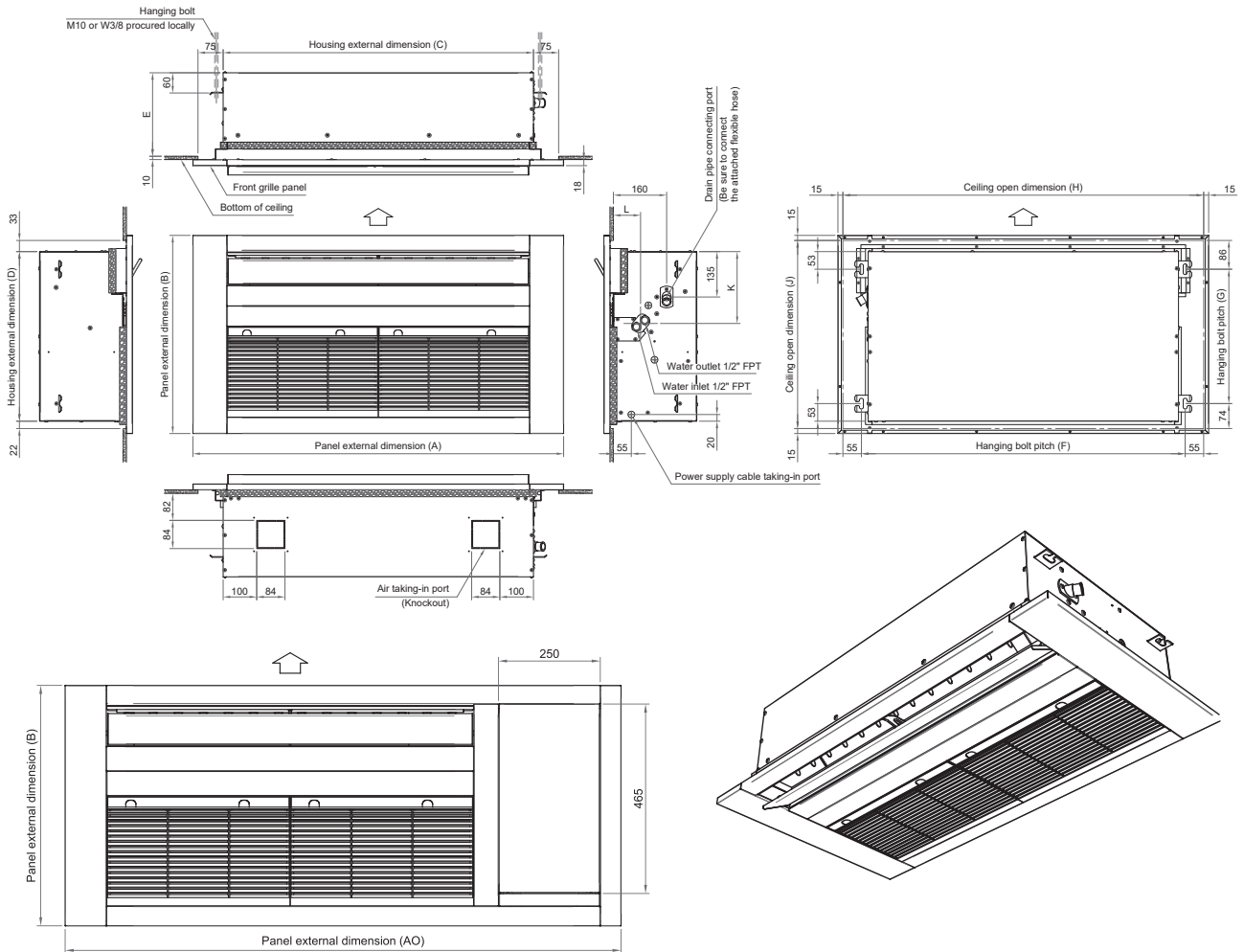
Remark : Cooling capacity based on Entering Air Temp 80 ° Fdb / 67 ° Fwb , Chilled Water Inlet/Outlet 44/54 ° F , Max air flowrate

## Performance data

| Model     | Entering Chilled Water Temp. F | Entering Air Temp (Fdb / Fwb) |                   |                        |                     |                |                   |                        |                     |                |                   |                        |                     |                |                   |                        |                     |
|-----------|--------------------------------|-------------------------------|-------------------|------------------------|---------------------|----------------|-------------------|------------------------|---------------------|----------------|-------------------|------------------------|---------------------|----------------|-------------------|------------------------|---------------------|
|           |                                | 76 / 63                       |                   |                        |                     | 78 / 65        |                   |                        |                     | 80 / 67        |                   |                        |                     | 82 / 69        |                   |                        |                     |
|           |                                | Total Capacity                | Sensible Capacity | Chilled Water Flowrate | Water Pressure Drop | Total Capacity | Sensible Capacity | Chilled Water Flowrate | Water Pressure Drop | Total Capacity | Sensible Capacity | Chilled Water Flowrate | Water Pressure Drop | Total Capacity | Sensible Capacity | Chilled Water Flowrate | Water Pressure Drop |
| 40VMS012W | 40                             | 13,200                        | 10,200            | 2.63                   | 10.80               | 15,300         | 10,900            | 3.05                   | 13.70               | 17,500         | 11,600            | 3.49                   | 17.60               | 19,800         | 12,300            | 3.95                   | 21.60               |
|           | 45                             | 10,100                        | 8,800             | 2.02                   | 6.60                | 11,600         | 9,300             | 2.32                   | 8.60                | 13,400         | 9,900             | 2.68                   | 11.10               | 15,800         | 10,600            | 3.14                   | 14.50               |
|           | 50                             | 7,400                         | 7,300             | 1.47                   | 4.00                | 8,500          | 7,900             | 1.70                   | 5.10                | 10,000         | 8,400             | 2.00                   | 6.50                | 11,600         | 9,000             | 2.32                   | 8.60                |
| 40VMS018W | 40                             | 19,100                        | 14,900            | 3.81                   | 11.80               | 22,100         | 15,900            | 4.40                   | 15.20               | 25,300         | 16,900            | 5.04                   | 19.20               | 28,700         | 17,900            | 5.71                   | 24.00               |
|           | 45                             | 14,600                        | 12,800            | 2.91                   | 7.30                | 16,800         | 13,600            | 3.34                   | 9.40                | 19,400         | 14,400            | 3.88                   | 12.10               | 22,700         | 15,400            | 4.52                   | 16.00               |
|           | 50                             | 10,700                        | 10,700            | 2.13                   | 4.30                | 12,200         | 11,400            | 2.44                   | 5.50                | 14,400         | 12,300            | 2.87                   | 7.20                | 16,700         | 13,100            | 3.34                   | 9.40                |
| 40VMS024W | 40                             | 24,100                        | 19,100            | 4.79                   | 10.80               | 27,800         | 20,300            | 5.54                   | 13.90               | 31,900         | 21,500            | 6.35                   | 17.70               | 36,200         | 22,800            | 7.20                   | 22.00               |
|           | 45                             | 18,400                        | 16,300            | 3.67                   | 6.80                | 21,100         | 17,400            | 4.20                   | 8.60                | 24,200         | 18,400            | 4.84                   | 10.90               | 28,500         | 19,700            | 5.69                   | 14.60               |
|           | 50                             | 13,600                        | 13,600            | 2.72                   | 4.00                | 15,400         | 14,600            | 3.07                   | 4.90                | 18,100         | 15,700            | 3.62                   | 6.60                | 21,000         | 16,700            | 4.19                   | 8.50                |
| 40VMS030W | 40                             | 30,800                        | 24,400            | 6.13                   | 6.00                | 35,200         | 25,800            | 7.01                   | 7.60                | 40,300         | 27,400            | 8.03                   | 9.60                | 45,800         | 29,100            | 9.13                   | 12.10               |
|           | 45                             | 23,100                        | 20,700            | 4.61                   | 3.70                | 26,700         | 22,100            | 5.34                   | 4.70                | 31,100         | 23,500            | 6.21                   | 6.10                | 36,000         | 25,000            | 7.17                   | 7.90                |
|           | 50                             | 17,000                        | 17,000            | 3.40                   | 2.10                | 19,500         | 18,500            | 3.89                   | 2.70                | 22,800         | 20,000            | 4.55                   | 3.60                | 26,700         | 21,300            | 5.32                   | 4.70                |
| 40VMS036W | 40                             | 37,200                        | 29,400            | 7.41                   | 7.10                | 42,800         | 31,200            | 8.53                   | 9.10                | 48,800         | 33,100            | 9.72                   | 11.50               | 55,500         | 35,100            | 11.05                  | 14.30               |
|           | 45                             | 28,000                        | 25,000            | 5.59                   | 4.40                | 32,500         | 26,700            | 6.48                   | 5.60                | 37,600         | 28,400            | 7.51                   | 7.30                | 43,700         | 30,200            | 8.71                   | 9.50                |
|           | 50                             | 20,600                        | 20,600            | 4.12                   | 2.50                | 23,700         | 22,400            | 4.74                   | 3.30                | 27,600         | 24,000            | 5.52                   | 4.30                | 32,300         | 25,700            | 6.46                   | 5.60                |
| 40VMS040W | 40                             | 42,800                        | 34,000            | 8.52                   | 6.00                | 49,100         | 36,000            | 9.78                   | 7.70                | 56,200         | 38,300            | 11.19                  | 9.70                | 63,800         | 40,500            | 12.71                  | 12.20               |
|           | 45                             | 32,100                        | 28,900            | 6.41                   | 3.70                | 37,300         | 30,800            | 7.45                   | 4.80                | 43,200         | 32,800            | 8.61                   | 6.20                | 50,200         | 34,900            | 10.02                  | 8.00                |
|           | 50                             | 23,700                        | 23,700            | 4.74                   | 2.10                | 27,300         | 25,900            | 5.45                   | 2.80                | 31,600         | 27,800            | 6.31                   | 3.60                | 37,200         | 29,700            | 7.43                   | 4.80                |
| 40VMS048W | 40                             | 48,700                        | 38,600            | 9.69                   | 8.10                | 56,000         | 41,000            | 11.15                  | 10.40               | 64,000         | 43,500            | 12.74                  | 13.10               | 72,600         | 46,100            | 14.45                  | 16.40               |
|           | 45                             | 36,700                        | 32,900            | 7.32                   | 5.00                | 42,600         | 35,100            | 8.50                   | 6.50                | 49,100         | 37,200            | 9.80                   | 8.30                | 57,200         | 39,700            | 11.42                  | 10.80               |
|           | 50                             | 27,200                        | 27,200            | 5.44                   | 2.90                | 31,200         | 29,500            | 6.22                   | 3.80                | 36,100         | 31,600            | 7.20                   | 4.90                | 42,400         | 33,800            | 8.47                   | 6.40                |
| 40VMS060W | 40                             | 60,100                        | 47,700            | 11.97                  | 10.50               | 68,800         | 50,500            | 13.71                  | 13.40               | 79,000         | 53,600            | 15.73                  | 17.00               | 89,500         | 56,800            | 17.83                  | 21.20               |
|           | 45                             | 45,200                        | 40,700            | 9.02                   | 6.40                | 52,500         | 43,300            | 10.48                  | 8.30                | 60,700         | 46,100            | 12.11                  | 10.80               | 70,400         | 48,900            | 14.05                  | 14.00               |
|           | 50                             | 33,800                        | 33,800            | 6.74                   | 3.90                | 38,500         | 36,500            | 7.69                   | 4.90                | 44,500         | 39,100            | 8.89                   | 6.30                | 52,300         | 41,700            | 10.45                  | 8.30                |

# Unit Dimensions

## 40VMS012W-060W



| Dim.<br>Model | A    | B   | C    | D   | E   | F    | G   | H    | J   | K   | L  | AO   |
|---------------|------|-----|------|-----|-----|------|-----|------|-----|-----|----|------|
| 40VMS012W     | 900  | 590 | 720  | 505 | 250 | 760  | 400 | 870  | 560 | 215 | 80 | 1160 |
| 40VMS018W     | 1104 | 590 | 924  | 505 | 250 | 964  | 400 | 1074 | 560 | 215 | 80 | 1364 |
| 40VMS024W     | 1200 | 590 | 1020 | 505 | 250 | 1060 | 400 | 1170 | 560 | 215 | 80 | 1460 |
| 40VMS030W     | 1200 | 680 | 1020 | 595 | 275 | 1060 | 445 | 1170 | 520 | 230 | 85 | 1460 |
| 40VMS036W     | 1200 | 680 | 1020 | 595 | 275 | 1060 | 445 | 1170 | 520 | 230 | 85 | 1460 |
| 40VMS040W     | 1296 | 725 | 1116 | 640 | 355 | 1156 | 535 | 1266 | 695 | 230 | 85 | 1556 |
| 40VMS048W     | 1446 | 725 | 1266 | 640 | 355 | 1306 | 535 | 1416 | 695 | 230 | 85 | 1706 |
| 40VMS060W     | 1500 | 725 | 1320 | 640 | 355 | 1360 | 535 | 1470 | 695 | 230 | 85 | 1760 |

Unit in mm

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