



United Technologies

turn to the experts 



## 42CT Fan Coil Unit

Airflow: 340~2380m<sup>3</sup>/h



## Turn To The Experts

Inheriting a rich legacy of innovation including inventing modern air-conditioning, Carrier has been a global leader in innovations for Heating Ventilation Air Conditioning (HVAC) and refrigeration solutions. Carrier is a part of UTC Climate, Controls & Security, a unit of United Technologies Corp., a leading provider to the aerospace and building systems industries worldwide.

With a broad portfolio of advanced technical patent awards, our global R&D center in Shanghai develops innovative heat, ventilation and air-conditioning (HVAC) solutions.



In 1998, Time magazine named Dr. Carrier one of its 20 most influential builders and titans of the 20<sup>th</sup> century.





## Model number Nomenclature

|      |  |   |
|------|--|---|
| 0    |  | Product Re-design Key<br>0: Initial design  |
| A    |  | Return Air Plenum & Filter<br>0: Without<br>A: Unit with rear return air plenum<br>B: Unit with bottom air plenum<br>C: Unit with rear return air plenum & nylon filter<br>D: Unit with bottom return air plenum & nylon filter   |
| 1    |  | Customer Source & Power<br>1: Export to HongKong220V-1Ph-50Hz, IP54<br>2: Export 220V-1Ph-50Hz, IP20<br>3: Export 230V-1Ph-50Hz, IP20<br>4: Export 220V-1Ph-60Hz, IP20<br>5: Export 230V-1Ph-60Hz, IP20<br>6: Export 115V-1Ph-60Hz, IP20<br>7: Export 240V-1Ph-50Hz, IP20 |
| L    |  | Unit Connection Direction (Face to discharge air)<br>L: Left<br>R: Right  |
| A    |  | Drainpan<br>A: Standard drainpan<br>B: Lengthen drainpan<br>C: Stainless drainpan<br>D: Lengthen stainless drainpan   |
| 0    |  | External Static Pressure<br>0: 12Pa Standard<br>3: 30Pa With static pressure<br>5: 50Pa High static pressure  |
| 20   |  | Coil Rows<br>20: 2 Pipe 2 Rows (002-008)<br>30: 2 Pipe 3 Rows (002-014)<br>31: 4 Pipe 3 Rows cooling + 1 Row heating (002-014)<br>40: 2 Pipe 4 Rows (002-014)   |
| 002  |  | Unit size (Air Volume =size X 170 m <sup>3</sup> /h)<br>002: 340m <sup>3</sup> /h<br>003: 510m <sup>3</sup> /h<br>.....   |
| CT   |  | Model<br>CT : Horizontal ceiling FCU  |
| ↑ 42 |  | Product Series<br>42 : Fan Coil Unit  |

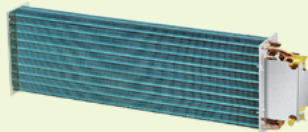
## Air Flow

340~2380m<sup>3</sup>/h

## Features

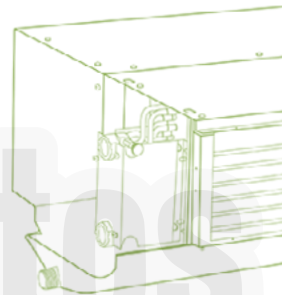
### High Efficiency

- Unit coil using the latest developed double-flanging structure of wide seam blue hydrophilic aluminum fin, advanced mechanical tube-expanding process, ensure copper tube optimally contacts with aluminum fin. Wide seam hydrophilic aluminum fin provide sufficient heat transfer channel for heat exchange, wide impeller provide uniformly air velocity environment for heat transfer. It makes the heat transfer more complete, which ensures the cooling capacity per input power of 42CT outperforms other similar products.



### Ultra Low Noise

- 42CT unit equipped with newly designed wide and large diameter impeller, low speed forward multi-blade blade. The fan casing is strengthened with reinforcing ribs for additional strength.
- It adopts NSK bearings, ensuring small vibration and low noise in operation.



### High Strength V type Drain Pan

- Newly designed V type drain pan, produced with forming integral molding process, drain outlet located at lowest position of the unit, condensate can be drain out smoothly. V type design enhance the strength of drain pan, avoid drain pan deformation in transportation.



### Integrated Air Plenum Box (Option)

- Factory mounted integrated air plenum box, ensure better quality and appearance, reduce labor cost on jobsite. Along with the air plenum box, filter options can be offered to improve indoor air quality.

## Patented Design Silencer (Option)

- Carrier patented design silencer absorb the noise generated by air outlet dynamic pressure, with build-in wing shape sound-absorbing sponge column, optimizing the system simulation through CFD tool. Sound level of unit can be greatly reduced ~3dB(A) without other performance impact, Silencer can be easy installed at FCU outlet, without any influence for unit air volume and ESP

| FCU Model       | Silencer | ESP(Pa) | Air Volume (m <sup>3</sup> /h) | Sound Level (dB(A)) | Noise Decrease (dB(A)) |
|-----------------|----------|---------|--------------------------------|---------------------|------------------------|
| Unit 1 (2 fans) | without  | 30      | 1005.0                         | 45.6                | 3.4                    |
|                 | with     | 30      | 1011.6                         | 42.2                |                        |
| Unit 2 (4 fans) | without  | 30      | 1333.1                         | 46.0                | 3.5                    |
|                 | with     | 30      | 1351.4                         | 42.5                |                        |
| Unit 3 (4 fans) | without  | 12      | 1973.0                         | 46.7                | 3.0                    |
|                 | with     | 12      | 1954.0                         | 43.7                |                        |



## Diversified Options

- 2 Pipe: 2row / 3row / 4row  
4 Pipe: 3+1row
- Thermostat
- Motorized 2-way or 3-way valves
- Drain pan option: cold roll steel with powder coating or stainless steel, all with 6mm PEF insulation
- Drain pan length option: standard or extended design
- Bottom or rear plenum box with or without filter options
- Filter options: nylon filter (10mm) or aluminum filter (10mm or 25mm)
- Patented design silencer



2-way valve

3-way valve



V type drainpan



Aluminum filter



Thermostat TMS810/ TCT100

## Technical Parameter

### Technical Data (2R Coil)

| Performance                  | Model            | 002                                       | 003  | 004  | 005  | 006  | 007   | 008   |
|------------------------------|------------------|---|------|------|------|------|-------|-------|
| Air Volume m <sup>3</sup> /h | High             | 340                                       | 510  | 680  | 850  | 1020 | 1190  | 1360  |
|                              | Med              | 270                                       | 400  | 530  | 670  | 800  | 940   | 1070  |
|                              | Low              | 200                                       | 300  | 400  | 500  | 600  | 700   | 800   |
| Cooling Capacity W           | Total            | 1900                                      | 2950 | 3600 | 4500 | 5400 | 6300  | 7200  |
|                              | Sensible         | 1440                                      | 2190 | 2770 | 3450 | 4130 | 4790  | 5520  |
| Heating Capacity W           |                  | 3050                                      | 4750 | 5800 | 7200 | 8600 | 10100 | 11500 |
| Power Input W                | 12 Pa            | 34  | 45   | 58   | 75   | 94   | 112   | 130   |
|                              | 30 Pa            | 41  | 55   | 72   | 83   | 102  | 120   | 140   |
|                              | 50 Pa            | 44  | 63   | 78   | 95   | 108  | 130   | 155   |
| Sound Level dB(A)            | 12 Pa            | 34  | 37   | 39.5 | 42   | 44   | 47    | 44    |
|                              | 30 Pa            | 37.5                                      | 39.5 | 42   | 44   | 45.5 | 48    | 46.5  |
|                              | 50 Pa            | 41.5                                      | 43   | 44   | 47   | 47   | 49    | 48.5  |
| Water Flow l/min             |                  | 5.4                                       | 8.5  | 10.3 | 12.9 | 15.5 | 18.1  | 20.6  |
| Water Pressure Drop kPa      |                  | 12  | 28   | 20   | 28   | 30   | 36    | 30    |
| Fan                          | Type             | Centrifugal, forward multi-blade          |      |      |      |      |       |       |
| Motor                        | Type             | Permanent Split Capacitor                 |      |      |      |      |       |       |
| Coil                         | Rows             | 2   |      |      |      |      |       |       |
|                              | Working Pressure | 1.6 MPa                                   |      |      |      |      |       |       |
| Connecting                   | In-Out           | 3/4" FPT                                  |      |      |      |      |       |       |
|                              | Drain Connection | 3/4" MPT                                  |      |      |      |      |       |       |
| Net Weight                   | kg               | 10.8                                      | 13.3 | 14.7 | 16   | 17.6 | 19.1  | 24.8  |
| Options                      |                  | Thermostat, 2Way / 3Way Valve, Plenum box |      |      |      |      |       |       |

- Note:
- The data is the performance in high speed with relevant static pressure.
  - Cooling conditions: inlet water 7°C, temperature rise 5°C, entry air temperature DB 27°C, WB 19.5°C  
Heating conditions: inlet water 60°C, same water flow as the cooling conditions, entry air temperature DB 21°C
  - Sound level is tested in the anechoic test room, measured with a fine audiometer located 1 meter away from the unit front panel and the unit bottom panel

## Technical Parameter

### Technical Data (3R Coil)

| Performance                  | Model            | 002                                       | 003  | 004  | 005  | 006   | 007   | 008   | 010   | 012   | 014   |
|------------------------------|------------------|---|------|------|------|-------|-------|-------|-------|-------|-------|
| Air Volume m <sup>3</sup> /h | High             | 340                                       | 510  | 680  | 850  | 1020  | 1190  | 1360  | 1700  | 2040  | 2380  |
|                              | Med              | 270                                       | 400  | 530  | 670  | 800   | 940   | 1070  | 1340  | 1610  | 1890  |
|                              | Low              | 200                                       | 300  | 400  | 500  | 600   | 700   | 800   | 1000  | 1200  | 1400  |
| Cooling Capacity W           | Total            | 2300                                      | 3350 | 4300 | 5250 | 6300  | 7250  | 8450  | 9850  | 11500 | 13000 |
|                              | Sensible         | 1630                                      | 2390 | 3110 | 3810 | 4580  | 5280  | 6140  | 7300  | 8610  | 9830  |
| Heating Capacity W           |                  | 3650                                      | 5250 | 6900 | 8300 | 10080 | 11520 | 13100 | 15600 | 17900 | 20800 |
| Power Input W                | 12 Pa            | 34  | 45   | 58   | 75   | 94    | 112   | 130   | 152   | 180   | 228   |
|                              | 30 Pa            | 41  | 55   | 72   | 83   | 102   | 120   | 140   | 172   | 210   | 250   |
|                              | 50 Pa            | 44  | 63   | 78   | 95   | 108   | 130   | 155   | 185   | 225   | 298   |
| Sound Level dB(A)            | 12 Pa            | 34  | 37   | 39.5 | 42   | 44    | 47    | 44    | 47    | 49    | 51    |
|                              | 30 Pa            | 37.5                                      | 39.5 | 42   | 44   | 45.5  | 48    | 46.5  | 50    | 50.5  | 52.5  |
|                              | 50 Pa            | 41.5                                      | 43   | 44   | 47   | 47    | 49    | 48.5  | 51    | 51.5  | 54    |
| Water Flow l/min             |                  | 6.6                                       | 9.5  | 12.3 | 15.0 | 18.2  | 20.8  | 24.2  | 28.2  | 33.0  | 37.3  |
| Water Pressure Drop kPa      |                  | 22  | 24   | 22   | 30   | 32    | 35    | 33    | 40    | 40    | 45    |
| Fan                          | Type             | Centrifugal, forward multi-blade          |      |      |      |       |       |       |       |       |       |
| Motor                        | Type             | Permanent Split Capacitor                 |      |      |      |       |       |       |       |       |       |
| Coil                         | Rows             | 3   |      |      |      |       |       |       |       |       |       |
|                              | Working Pressure | 1.6 MPa                                   |      |      |      |       |       |       |       |       |       |
| Connecting                   | In-Out           | 3/4" FPT                                  |      |      |      |       |       |       |       |       |       |
|                              | Drain Connection | 3/4" MPT                                  |      |      |      |       |       |       |       |       |       |
| Net Weight kg                |                  | 11.3                                      | 13.8 | 15.4 | 16.6 | 18.4  | 19.5  | 25.6  | 27.4  | 30.8  | 31.6  |
| Options                      |                  | Thermostat, 2Way / 3Way Valve, Plenum box |      |      |      |       |       |       |       |       |       |

- Note:
- The data is the performance in high speed with relevant static pressure.
  - Cooling conditions: inlet water 7°C, temperature rise 5°C, entry air temperature DB 27°C, WB 19.5°C  
Heating conditions: inlet water 60°C, same water flow as the cooling conditions, entry air temperature DB 21°C
  - Sound level is tested in the anechoic test room, measured with a fine audiometer located 1 meter away from the unit front panel and the unit bottom panel

## Technical Parameter

### Technical Data (3+1R Coil)

| Performance                  | Model            | 002                                       | 003  | 004  | 005  | 006  | 007  | 008  | 010  | 012   | 014   |
|------------------------------|------------------|---|------|------|------|------|------|------|------|-------|-------|
| Air Volume m <sup>3</sup> /h | High             | 340                                       | 510  | 680  | 850  | 1020 | 1190 | 1360 | 1700 | 2040  | 2380  |
|                              | Med              | 270                                       | 400  | 530  | 670  | 800  | 940  | 1070 | 1340 | 1610  | 1890  |
|                              | Low              | 200                                       | 300  | 400  | 500  | 600  | 700  | 800  | 1000 | 1200  | 1400  |
| Cooling Capacity W           | Total            | 2300                                      | 3200 | 4150 | 5200 | 6200 | 6800 | 8150 | 9850 | 11500 | 13000 |
|                              | Sensible         | 1620                                      | 2310 | 3020 | 3760 | 4510 | 5030 | 5960 | 7260 | 8590  | 9730  |
| Heating Capacity W           |                  | 1980                                      | 3000 | 3500 | 4500 | 5200 | 5700 | 6600 | 7800 | 8800  | 10300 |
| Power Input W                | 12 Pa            | 34  | 45   | 58   | 75   | 94   | 112  | 130  | 152  | 180   | 228   |
|                              | 30 Pa            | 41  | 55   | 72   | 83   | 102  | 120  | 140  | 172  | 210   | 250   |
|                              | 50 Pa            | 44  | 63   | 78   | 95   | 108  | 130  | 155  | 185  | 225   | 298   |
| Sound Level dB(A)            | 12 Pa            | 34  | 37   | 39.5 | 42   | 44   | 47   | 44   | 47   | 49    | 51    |
|                              | 30 Pa            | 37.5                                      | 39.5 | 42   | 44   | 45.5 | 48   | 46.5 | 50   | 50.5  | 52.5  |
|                              | 50 Pa            | 41.5                                      | 43   | 44   | 47   | 47   | 49   | 48.5 | 51   | 51.5  | 54    |
| Water Flow l/min             | Cooling          | 6.6                                       | 9.2  | 11.9 | 14.9 | 17.8 | 19.5 | 23.4 | 28.2 | 33.0  | 37.3  |
|                              | Heating          | 2.8                                       | 4.3  | 5.0  | 6.4  | 7.5  | 8.2  | 9.5  | 11.2 | 12.6  | 14.8  |
| Water Pressure Drop kPa      | Cooling          | 22  | 24   | 22   | 30   | 32   | 35   | 33   | 40   | 40    | 45    |
|                              | Heating          | 13  | 15   | 20   | 25   | 28   | 30   | 35   | 40   | 40    | 45    |
| Fan                          | Type             | Centrifugal, forward multi-blade          |      |      |      |      |      |      |      |       |       |
| Motor                        | Type             | Permanent Split Capacitor                 |      |      |      |      |      |      |      |       |       |
| Coil                         | Rows             | 3+1                                       |      |      |      |      |      |      |      |       |       |
|                              | Working Pressure | 1.6 MPa                                   |      |      |      |      |      |      |      |       |       |
| Connecting                   | In-Out           | 3/4" FPT                                  |      |      |      |      |      |      |      |       |       |
|                              | Drain Connection | 3/4" MPT                                  |      |      |      |      |      |      |      |       |       |
| Net Weight                   | kg               | 12  | 14.7 | 16.4 | 17.7 | 19.6 | 20.4 | 26.7 | 28.9 | 32.4  | 33.2  |
| Options                      |                  | Thermostat, 2Way / 3Way Valve, Plenum box |      |      |      |      |      |      |      |       |       |

- Note:
- The data is the performance in high speed with relevant static pressure
  - Cooling conditions: inlet water 7°C, temperature rise 5°C, entry air temperature DB 27°C, WB 19.5°C  
Heating conditions: inlet water 60°C, temperature drop 10°C, entry air temperature DB 21°C
  - Sound level is tested in the anechoic test room, measured with a fine audiometer located 1 meter away from the unit front panel and the unit bottom panel



## Technical Parameter

### Technical Data (4R Coil)

| Performance                  | Model            | 002                                       | 003  | 004  | 005  | 006   | 007   | 008   | 010   | 012   | 014   |
|------------------------------|------------------|---|------|------|------|-------|-------|-------|-------|-------|-------|
| Air Volume m <sup>3</sup> /h | High             | 340                                       | 510  | 680  | 850  | 1020  | 1190  | 1360  | 1700  | 2040  | 2380  |
|                              | Med              | 270                                       | 400  | 530  | 670  | 800   | 940   | 1070  | 1340  | 1610  | 1890  |
|                              | Low              | 200                                       | 300  | 400  | 500  | 600   | 700   | 800   | 1000  | 1200  | 1400  |
| Cooling Capacity W           | Total            | 2660                                      | 3690 | 4680 | 5600 | 6900  | 7780  | 9300  | 11220 | 13000 | 15200 |
|                              | Sensible         | 1810                                      | 2560 | 3300 | 4010 | 4890  | 5560  | 6550  | 7980  | 9400  | 10960 |
| Heating Capacity W           |                  | 4260                                      | 5900 | 7490 | 8960 | 11040 | 12450 | 14900 | 17950 | 20800 | 24320 |
| Power Input W                | 12 Pa            | 34  | 45   | 58   | 75   | 94    | 112   | 130   | 152   | 180   | 228   |
|                              | 30 Pa            | 41  | 55   | 72   | 83   | 102   | 120   | 140   | 172   | 210   | 250   |
|                              | 50 Pa            | 44  | 63   | 78   | 95   | 108   | 130   | 155   | 185   | 225   | 298   |
| Sound Level dB(A)            | 12 Pa            | 34  | 37   | 39.5 | 42   | 44    | 47    | 44    | 47    | 49    | 51    |
|                              | 30 Pa            | 37.5                                      | 39.5 | 42   | 44   | 45.5  | 48    | 46.5  | 50    | 50.5  | 52.5  |
|                              | 50 Pa            | 41.5                                      | 43   | 44   | 47   | 47    | 49    | 48.5  | 51    | 51.5  | 54    |
| Water Flow l/min             |                  | 7.6                                       | 10.6 | 13.4 | 16.1 | 19.8  | 22.3  | 26.7  | 32.2  | 37.3  | 43.6  |
| Water Pressure Drop kPa      |                  | 20  | 18   | 18   | 18   | 22    | 30    | 26    | 36    | 35    | 48    |
| Fan                          | Type             | Centrifugal, forward multi-blade          |      |      |      |       |       |       |       |       |       |
| Motor                        | Type             | Permanent Split Capacitor                 |      |      |      |       |       |       |       |       |       |
| Coil                         | Rows             | 4   |      |      |      |       |       |       |       |       |       |
|                              | Working Pressure | 1.6 MPa                                   |      |      |      |       |       |       |       |       |       |
| Connecting                   | In-Out           | 3/4" FPT                                  |      |      |      |       |       |       |       |       |       |
|                              | Drain Connection | 3/4" MPT                                  |      |      |      |       |       |       |       |       |       |
| Net Weight kg                |                  | 11.7                                      | 14.3 | 16   | 17.2 | 19.2  | 20    | 26.3  | 28.1  | 31.6  | 32.4  |
| Options                      |                  | Thermostat, 2Way / 3Way Valve, Plenum box |      |      |      |       |       |       |       |       |       |

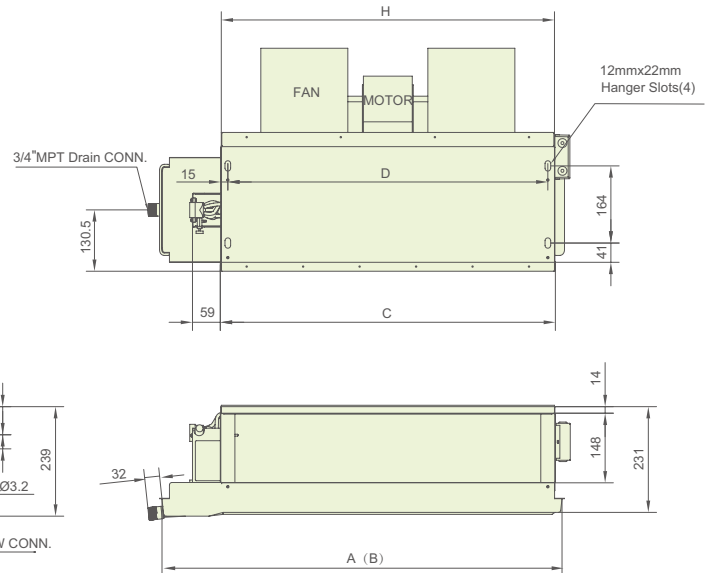
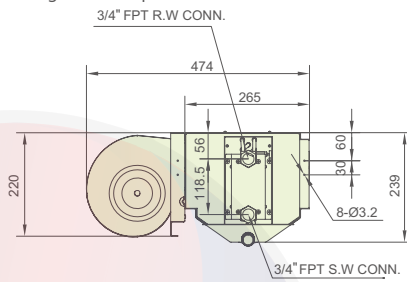
- Note:
1. The data is the performance in high speed with relevant static pressure
  2. Cooling conditions: inlet water 7°C, temperature rise 5°C, entry air temperature DB 27°C, WB 19.5°C  
Heating conditions: inlet water 60°C, same water flow as the cooling conditions, entry air temperature DB 21°C
  3. Sound level is tested in the anechoic test room, measured with a fine audiometer located 1 meter away from the unit front panel and the unit bottom panel

## Dimensions

### 2 Pipe

| UNIT    | A    | B    | C    | D    | H    |
|---------|------|------|------|------|------|
| 42CT002 | 642  | 742  | 492  | 460  | 488  |
| 42CT003 | 782  | 882  | 632  | 600  | 628  |
| 42CT004 | 862  | 962  | 712  | 680  | 708  |
| 42CT005 | 942  | 1042 | 792  | 760  | 788  |
| 42CT006 | 1102 | 1202 | 952  | 920  | 948  |
| 42CT007 | 1182 | 1282 | 1032 | 1000 | 1028 |
| 42CT008 | 1422 | 1522 | 1272 | 1240 | 1268 |
| 42CT010 | 1472 | 1572 | 1322 | 1290 | 1318 |
| 42CT012 | 1672 | 1772 | 1522 | 1490 | 1518 |
| 42CT014 | 1832 | 1932 | 1682 | 1650 | 1678 |

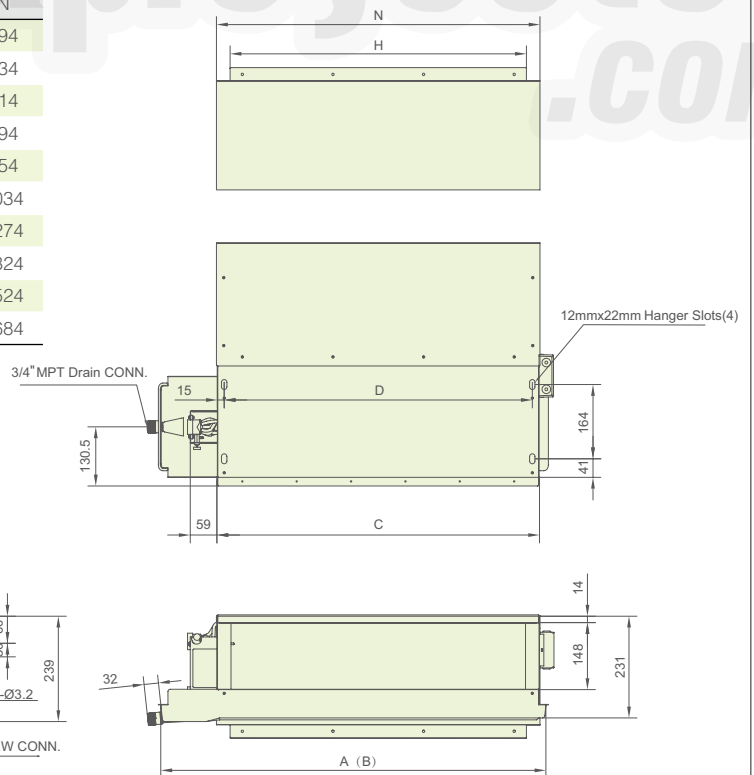
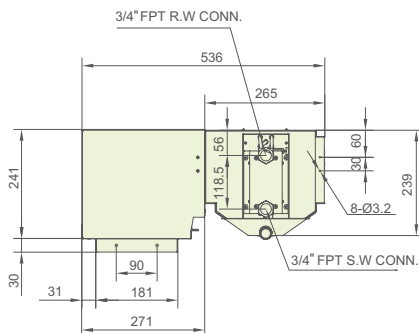
Note: B is the dimension of lengthen drain pan



### 2 Pipe with bottom air plenum

| UNIT    | A    | B    | C    | D    | H    | N    |
|---------|------|------|------|------|------|------|
| 42CT002 | 642  | 742  | 492  | 460  | 434  | 494  |
| 42CT003 | 782  | 882  | 632  | 600  | 574  | 634  |
| 42CT004 | 862  | 962  | 712  | 680  | 654  | 714  |
| 42CT005 | 942  | 1042 | 792  | 760  | 734  | 794  |
| 42CT006 | 1102 | 1202 | 952  | 920  | 894  | 954  |
| 42CT007 | 1182 | 1282 | 1032 | 1000 | 974  | 1034 |
| 42CT008 | 1422 | 1522 | 1272 | 1240 | 1214 | 1274 |
| 42CT010 | 1472 | 1572 | 1322 | 1290 | 1264 | 1324 |
| 42CT012 | 1672 | 1772 | 1522 | 1490 | 1464 | 1524 |
| 42CT014 | 1832 | 1932 | 1682 | 1650 | 1624 | 1684 |

Note: B is the dimension of lengthen drain pan

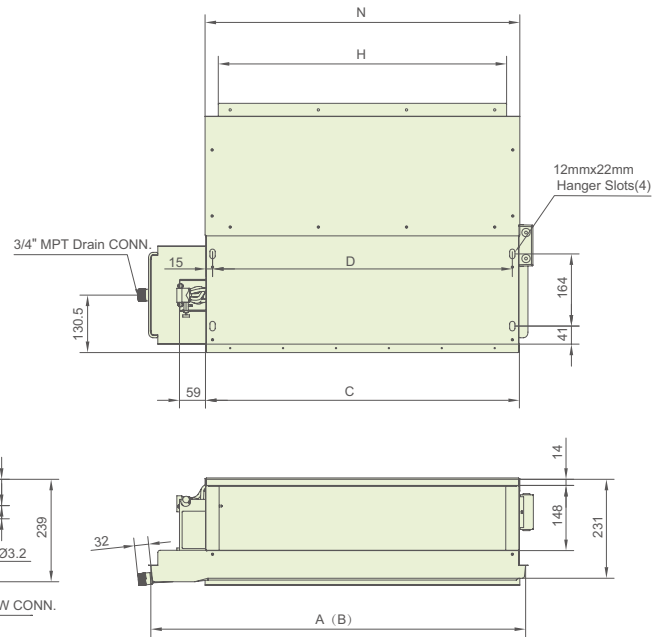
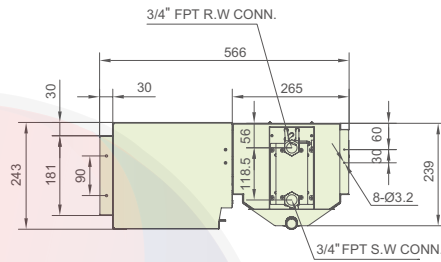


## Dimensions

### 2 Pipe with rear air plenum

| UNIT    | A    | B    | C    | D    | H    | N    |
|---------|------|------|------|------|------|------|
| 42CT002 | 642  | 742  | 492  | 460  | 434  | 494  |
| 42CT003 | 782  | 882  | 632  | 600  | 574  | 634  |
| 42CT004 | 862  | 962  | 712  | 680  | 654  | 714  |
| 42CT005 | 942  | 1042 | 792  | 760  | 734  | 794  |
| 42CT006 | 1102 | 1202 | 952  | 920  | 894  | 954  |
| 42CT007 | 1182 | 1282 | 1032 | 1000 | 974  | 1034 |
| 42CT008 | 1422 | 1522 | 1272 | 1240 | 1214 | 1274 |
| 42CT010 | 1472 | 1572 | 1322 | 1290 | 1264 | 1324 |
| 42CT012 | 1672 | 1772 | 1522 | 1490 | 1464 | 1524 |
| 42CT014 | 1832 | 1932 | 1682 | 1650 | 1624 | 1684 |

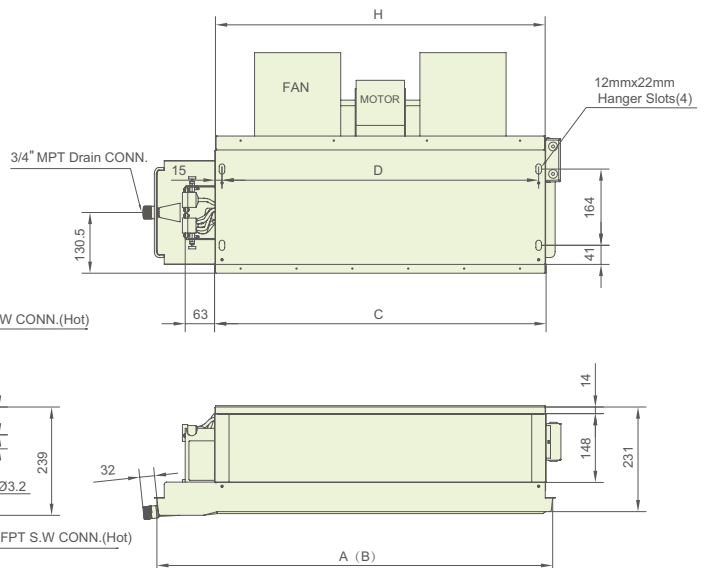
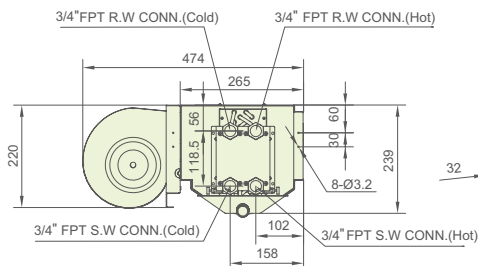
Note: B is the dimension of lengthen drain pan



### 4 Pipe

| UNIT    | A    | B    | C    | D    | H    |
|---------|------|------|------|------|------|
| 42CT002 | 642  | 742  | 492  | 460  | 488  |
| 42CT003 | 782  | 882  | 632  | 600  | 628  |
| 42CT004 | 862  | 962  | 712  | 680  | 708  |
| 42CT005 | 942  | 1042 | 792  | 760  | 788  |
| 42CT006 | 1102 | 1202 | 952  | 920  | 948  |
| 42CT007 | 1182 | 1282 | 1032 | 1000 | 1028 |
| 42CT008 | 1422 | 1522 | 1272 | 1240 | 1268 |
| 42CT010 | 1472 | 1572 | 1322 | 1290 | 1318 |
| 42CT012 | 1672 | 1772 | 1522 | 1490 | 1518 |
| 42CT014 | 1832 | 1932 | 1682 | 1650 | 1678 |

Note: B is the dimension of lengthen drain pan

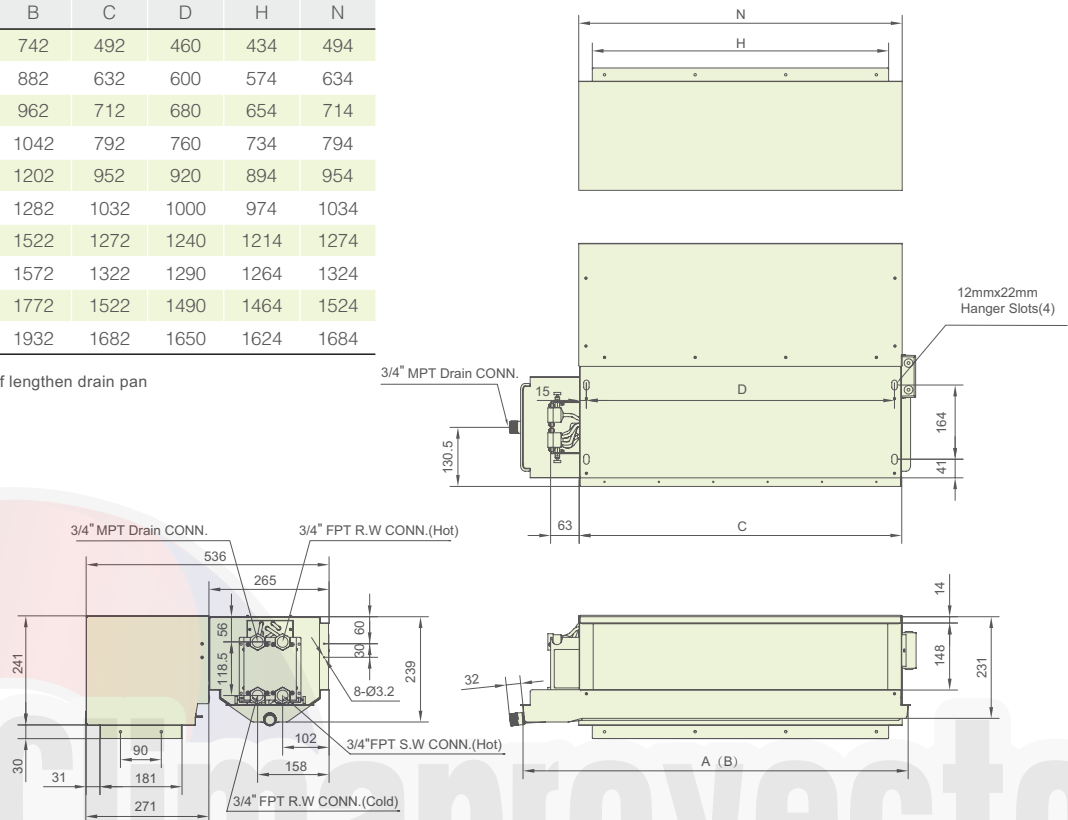


## Dimensions

### 4 Pipe with bottom air plenum

| UNIT    | A    | B    | C    | D    | H    | N    |
|---------|------|------|------|------|------|------|
| 42CT002 | 642  | 742  | 492  | 460  | 434  | 494  |
| 42CT003 | 782  | 882  | 632  | 600  | 574  | 634  |
| 42CT004 | 862  | 962  | 712  | 680  | 654  | 714  |
| 42CT005 | 942  | 1042 | 792  | 760  | 734  | 794  |
| 42CT006 | 1102 | 1202 | 952  | 920  | 894  | 954  |
| 42CT007 | 1182 | 1282 | 1032 | 1000 | 974  | 1034 |
| 42CT008 | 1422 | 1522 | 1272 | 1240 | 1214 | 1274 |
| 42CT010 | 1472 | 1572 | 1322 | 1290 | 1264 | 1324 |
| 42CT012 | 1672 | 1772 | 1522 | 1490 | 1464 | 1524 |
| 42CT014 | 1832 | 1932 | 1682 | 1650 | 1624 | 1684 |

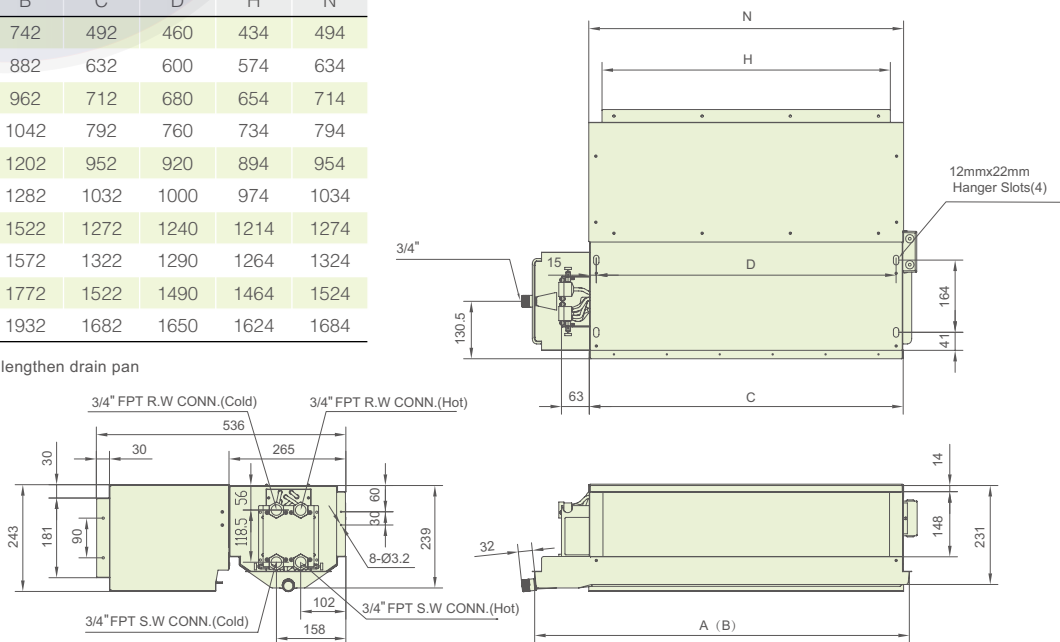
Note: B is the dimension of lengthen drain pan



### 4 Pipe with rear air plenum

| UNIT    | A    | B    | C    | D    | H    | N    |
|---------|------|------|------|------|------|------|
| 42CT002 | 642  | 742  | 492  | 460  | 434  | 494  |
| 42CT003 | 782  | 882  | 632  | 600  | 574  | 634  |
| 42CT004 | 862  | 962  | 712  | 680  | 654  | 714  |
| 42CT005 | 942  | 1042 | 792  | 760  | 734  | 794  |
| 42CT006 | 1102 | 1202 | 952  | 920  | 894  | 954  |
| 42CT007 | 1182 | 1282 | 1032 | 1000 | 974  | 1034 |
| 42CT008 | 1422 | 1522 | 1272 | 1240 | 1214 | 1274 |
| 42CT010 | 1472 | 1572 | 1322 | 1290 | 1264 | 1324 |
| 42CT012 | 1672 | 1772 | 1522 | 1490 | 1464 | 1524 |
| 42CT014 | 1832 | 1932 | 1682 | 1650 | 1624 | 1684 |

Note: B is the dimension of lengthen drain pan

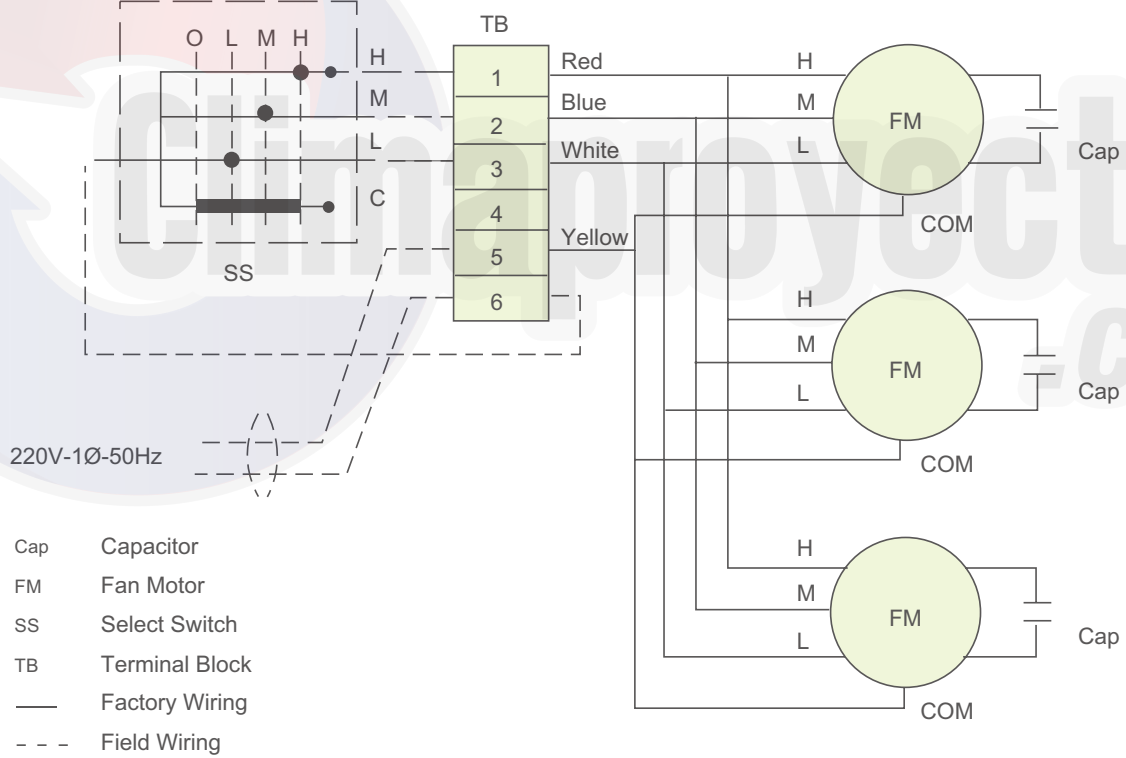


## Electrical Data

Power supply : 220V-1Ph-50Hz

| Model           |      | 002  | 003  | 004  | 005  | 006  | 007  | 008  | 010  | 012  | 014  |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|
| Power input (W) | 12Pa | 34   | 45   | 58   | 75   | 94   | 112  | 130  | 152  | 180  | 228  |
|                 | 30Pa | 41   | 55   | 72   | 83   | 102  | 120  | 140  | 172  | 210  | 250  |
|                 | 50Pa | 44   | 63   | 78   | 95   | 108  | 130  | 155  | 185  | 225  | 298  |
| Current (A)     | 12Pa | 0.15 | 0.20 | 0.26 | 0.34 | 0.43 | 0.51 | 0.59 | 0.69 | 0.82 | 1.04 |
|                 | 30Pa | 0.19 | 0.25 | 0.33 | 0.38 | 0.46 | 0.55 | 0.64 | 0.78 | 0.95 | 1.14 |
|                 | 50Pa | 0.20 | 0.29 | 0.35 | 0.43 | 0.49 | 0.59 | 0.70 | 0.84 | 1.02 | 1.35 |

## Electric Diagram







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|                 |                   |
|-----------------|-------------------|
| Version:        | CAT_42CT_E-1608-1 |
| Supersede:      |                   |
| Effective Date: |                   |