



Chilled Water Fan Coil Unit

Model:HF02~HF14

Airflow Range:200~2400m³/h





Features and Benefits

The Best Choice for Comfort-

The Best Results

- Quiet Comfort
- Low noise permanent split capacitor motor.
- Metal fan wheel both statically and dynamically balanced.
- Threaded connection, match up duct collars and keyholes for hangers shorten installation time.
- Quick delivery helps meet tight installation schedules.
- Latest Perfection
- Cleaner, quieter and more efficient fin design.

The Best System

- Design for comfort applications at home, office and shop. HFCF is easily installed in a false ceiling or closet, HFCF is the ideal solution for new or replacement applications.

The Best Fit

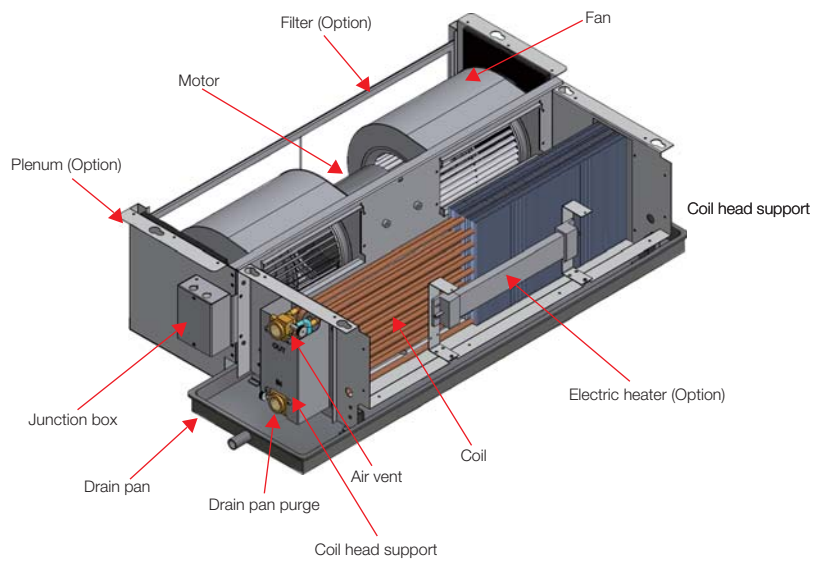
- Nine sizes to meet capacity requirements
- One unit provides total comfort requirements: both cooling and heating
- Low height of just 230mm on all sizes means no difficulty in fitting tight ceiling applications

Flexibility

- Easy to change water hand connections on the field.

Reliability

Trane's history of innovation and technology leadership led to quality products making Trane a leader in the air conditioning markets worldwide. Trane's commitment to customer's needs for quality, efficiency and reliability is evident from the largest chiller to smallest fan coil. Trane's commitment to customer's needs for quality, efficiency and reliability is evident from the largest chiller to smallest fan coil.



HFCF Accessories



LCD Thermostat (except for DCBL)



ZN510/520 (for Trane ICS)



Zone Sensor (for Trane ICS)



TDG/Control Options



Water Control Valve



HFCF Model Nomenclatures

H F C F O 3 L 3 N N 1 N A N A N N A

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

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| <p>Digit 1: H = Horizontal</p> <p>Digit 2: F = Fan Coil Unit type</p> <p>Digit 3: C = Concealed</p> <p>Digit 4: F = Design Sequence</p> <p>Digit 5, 6: Size / Nominal Airflow</p> <p>02 = 200 CFM</p> <p>03 = 300 CFM</p> <p>04 = 400 CFM</p> <p>05 = 500 CFM</p> <p>06 = 600 CFM</p> <p>08 = 800 CFM</p> <p>10 = 1000 CFM</p> <p>12 = 1200 CFM</p> <p>14 = 1400 CFM</p> <p>Digit 7: Connection Side</p> <p>L = Left Connection</p> <p>R = Right Connection</p> <p>Digit 8: Coil Rows</p> <p>2 = 2 Rows Cooling</p> <p>3 = 3 Rows Cooling</p> <p>4 = 4 Rows Cooling</p> <p>A = 2 Rows Cooling, 1 Row Heating</p> <p>B = 3 Rows Cooling, 1 Row Heating</p> <p>Digit 9: Electric Heater (Size)</p> <p>N = None</p> <p>A = 0.5 kW Heater (02)</p> <p>B = 1.0 kW Heater (03)</p> <p>C = 1.4 kW Heater (04)</p> <p>D = 1.6 kW Heater (05)</p> <p>E = 1.8 kW Heater (06)</p> <p>F = 2.8 kW Heater (08)</p> <p>G = 3.2 kW Heater (10)</p> <p>H = 3.6 kW Heater (12)</p> <p>J = 4.6 kW Heater (14)</p> <p>Digit 10: Motor Type</p> <p>N = Normal</p> <p>H = High Static</p> <p>A = DCBL Normal (w/ LCD Thermostat)</p> <p>B = DCBL High Static (w/ LCD Thermostat)</p> <p>C = Hermetic Motor Normal Type</p> <p>D = Hermetic Motor High Static Type</p> <p>Digit 11: Voltage/Hz/Phase</p> <p>1 = 220/50/1</p> <p>2 = 220-240/60/1</p> <p>3 = 115/60/1</p> <p>Digit 12: Factory Mounted Control / Valve Package</p> <p>N = None</p> <p>A = 2-pipe, with 2-way Valve</p> <p>B = 2-pipe, with 3-way Valve</p> <p>C = 4-pipe, with 2-way Valves</p> <p>D = 2-pipe, with 2-way Valve & LCD Thermostat</p> <p>E = 2-pipe, with 2-way Valve & LCD Thermostat (Configured with VVV System only)</p> <p>F = 2-pipe, with 3-way Valve & LCD Thermostat</p> | <p>G = 4-pipe, with 2-way Valves & LCD Thermostat</p> <p>H = 2-pipe, with 2-way Valve & ZN510 w/ Zone Sensor</p> <p>J = 2-pipe, with 3-way Valve & ZN510 w/ Zone Sensor</p> <p>K = 4-pipe, with 3-way Valves & ZN510 w/ Zone Sensor</p> <p>L = 2-pipe, with 2-way Valve & ZN520 w/ Zone Sensor</p> <p>M = 2-pipe, with 3-way Valve & ZN520 w/ Zone Sensor</p> <p>P = 4-pipe, with 2-way Valves & ZN520 w/ Zone Sensor</p> <p>Q = 2-pipe, with 2-way Floating Valve & ZN520 w/ Zone Sensor</p> <p>R = 2-pipe, with 3-way Floating Valve & ZN520 w/ Zone Sensor</p> <p>S = 4-pipe, with 2-way Floating Valves & ZN520 w/ Zone Sensor</p> <p>Digit 13: Terminal Box</p> <p>A = Standard Wiring w/ Terminal Box</p> <p>B = Electric Heater Wiring w/ Terminal Box</p> <p>C = DCBL Wiring w/ Terminal Box</p> <p>D = ZN Wiring w/ Terminal Box</p> <p>E = VVV w/ Terminal Box</p> <p>Digit 14: Return Plenum / Filter</p> <p>N = None</p> <p>A = with Rear Plenum Only</p> <p>B = with Rear Plenum/ 6mm Nylon Filter</p> <p>C = with Rear Plenum/ 20mm Aluminum Filter</p> <p>D = with Bottom Return Plenum Only</p> <p>E = with Bottom Return Plenum/ 6mm Nylon Filter</p> <p>F = with Bottom Return Plenum/ 20mm Aluminum Filter</p> <p>Digit 15: Drain Pan</p> <p>A = STD. Galvanized Steel w/ 7mm PE Insulation</p> <p>B = STD. Galvanized Steel w/ 7mm PE Insulation & Extended 200mm</p> <p>C = STD. Galvanized Steel w/ 7mm PE Insulation & Extended 310mm</p> <p>D = Stainless Steel w/ 7mm PE Insulation</p> <p>E = Stainless Steel w/ 7mm PE Insulation & Extended 200mm</p> <p>F = Stainless Steel w/ 7mm PE Insulation & Extended 310mm</p> <p>G = STD. Galvanized Steel w/ 6mm Non-flammable Close Cell Insulation</p> <p>H = STD. Galvanized Steel w/ 6mm Non-flammable Close Cell Insulation & Extended 200mm</p> <p>J = STD. Galvanized Steel w/ 6mm Non-flammable Close Cell Insulation & Extended 310mm</p> <p>K = Stainless Steel w/ 6mm Non-flammable Close Cell Insulation</p> | <p>L = Stainless Steel w/ 6mm Non-flammable Close Cell Insulation & Extended 200mm</p> <p>M = Stainless Steel w/ 6mm Non-flammable Close Cell Insulation & Extended 310mm</p> <p>N = STD. Galvanized Steel w/ 10mm Non-flammable Close Cell Insulation</p> <p>P = STD. Galvanized Steel w/ 10mm Non-flammable Close Cell Insulation & Extended 200mm</p> <p>Q = STD. Galvanized Steel w/ 10mm Non-flammable Close Cell Insulation & Extended 310mm</p> <p>R = Stainless Steel w/ 10mm Non-flammable Close Cell Insulation</p> <p>S = Stainless Steel w/ 10mm Non-flammable Close Cell Insulation & Extended 200mm</p> <p>T = Stainless Steel w/ 10mm Non-flammable Close Cell Insulation & Extended 310mm</p> <p>U = STD. Galvanized Steel w/ 25mm Non-flammable Close Cell Insulation</p> <p>V = STD. Galvanized Steel w/ 25mm Non-flammable Close Cell Insulation & Extended 200mm</p> <p>W = STD. Galvanized Steel w/ 25mm Non-flammable Close Cell Insulation & Extended 310mm</p> <p>X = Stainless Steel w/ 25mm Non-flammable Close Cell Insulation</p> <p>Y = Stainless Steel w/ 25mm Non-flammable Close Cell Insulation & Extended 200mm</p> <p>Z = Stainless Steel w/ 25mm Non-flammable Close Cell Insulation & Extended 310mm</p> <p>Digit 16: Trane Digital Grille(TDG)</p> <p>N = None</p> <p>A = with Remote Controller Only</p> <p>B = with TDG LCD Thermostat Only</p> <p>C = with TDG LCD Thermostat & Remote Controller</p> <p>D = with Remote Controller & UV Light</p> <p>E = with TDG LCD Thermostat & UV Light</p> <p>F = with TDG LCD Thermostat, Remote Controller & UV Light</p> <p>Digit 17: Future Use</p> <p>N = None</p> <p>Digit 18: Region</p> <p>A = APR</p> <p>B = MAIR</p> <p>C = LAR</p> |
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HFXF Model Nomenclatures

$\frac{H}{1}$ $\frac{F}{2}$ $\frac{X}{3}$ $\frac{F}{4}$ $\frac{0}{5}$ $\frac{3}{6}$ $\frac{L}{7}$ $\frac{3}{8}$ $\frac{N}{9}$ $\frac{N}{10}$ $\frac{1}{11}$ $\frac{N}{12}$ $\frac{A}{13}$ $\frac{B}{14}$ $\frac{A}{15}$ $\frac{N}{16}$ $\frac{N}{17}$ $\frac{A}{18}$

Digit 1: H = Horizontal
 Digit 2: F = Fan Coil Unit type
 Digit 3: X = Exposed
 Digit 4: F = Design Sequence
 Digit 5, 6: Size / Nominal Airflow
 02 = 200 CFM
 03 = 300 CFM
 04 = 400 CFM
 05 = 500 CFM
 06 = 600 CFM
 08 = 800 CFM
 10 = 1000 CFM
 12 = 1200 CFM
 14 = 1400 CFM
 Digit 7: Connection Side
 L = Left Connection
 R = Right Connection
 Digit 8: Coil Rows
 2 = 2 Rows Cooling
 3 = 3 Rows Cooling
 4 = 4 Rows Cooling
 Digit 9: Electric Heater (Size)
 N = None
 A = 0.5 kW Heater (02)
 B = 1.0 kW Heater (03)
 C = 1.4 kW Heater (04)
 D = 1.6 kW Heater (05)
 E = 1.8 kW Heater (06)
 F = 2.8 kW Heater (08)
 G = 3.2 kW Heater (10)
 H = 3.6 kW Heater (12)
 J = 4.6 kW Heater (14)

Digit 10: Motor Type
 N = Normal
 C = Hermetic Motor Normal Type
 Digit 11: Voltage/Hz/Phase
 1 = 220/50/1
 2 = 220~240/60/1
 3 = 115/60/1
 Digit 12: Factory Mounted Control / Valve Package
 N = None
 Digit 13: Terminal Box
 A = Standard Wiring w/ Terminal Box
 B = Electric Heater Wiring w/ Terminal Box
 Digit 14: Return Plenum / Filter
 A = Standard with Return Plenum without filter
 B = Standard with Return Plenum/ 6mm Nylon Filter
 C = Standard with Return Plenum/ 20mm Aluminum filter
 Digit 15: Drain Pan
 A = STD. Galvanized Steel w/ 7mm PE Insulation
 D = Stainless Steel w/ 7mm PE Insulation
 G = STD. Galvanized Steel w/ 6mm
 Non-flammable Close Cell Insulation
 K = Stainless Steel w/ 6mm Non-flammable
 Close Cell Insulation
 Digit 16: Trane Digital Grille(TDG)
 N = None
 Digit 17: Future Use
 N = None
 Digit 18: Region
 A = APR
 B = MAIR
 C = LAR



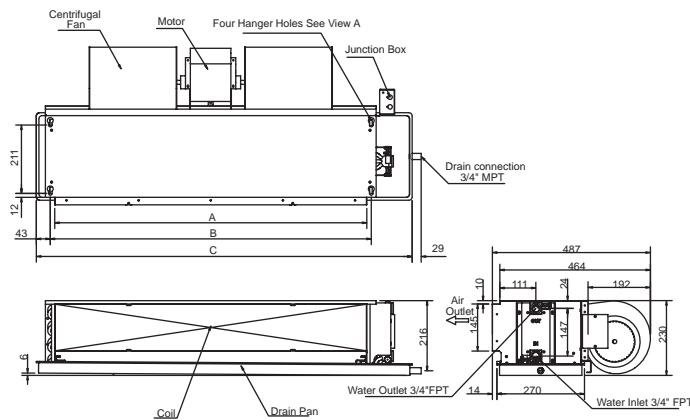
VFCF Model Nomenclatures

$\frac{V}{1}$ $\frac{F}{2}$ $\frac{C}{3}$ $\frac{F}{4}$ $\frac{O}{5}$ $\frac{3}{6}$ $\frac{L}{7}$ $\frac{3}{8}$ $\frac{N}{9}$ $\frac{N}{10}$ $\frac{1}{11}$ $\frac{N}{12}$ $\frac{A}{13}$ $\frac{B}{14}$ $\frac{A}{15}$ $\frac{N}{16}$ $\frac{N}{17}$ $\frac{A}{18}$

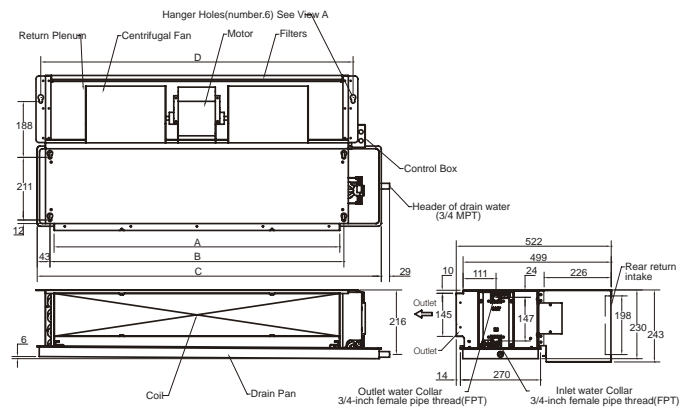
| | | | |
|-------------|------------------------|------------------------------------------------|----------------------------------------|
| Digit 1: | V = Vertical | H = High Static | |
| Digit 2: | F = Fan Coil Unit type | C = Hermetic Motor Normal Type | |
| Digit 3: | C = Concealed | D = Hermetic Motor High Static Type | |
| Digit 4: | F = Design Sequence | Digit 11: | Voltage/Hz/Phase |
| Digit 5, 6: | Size / Nominal Airflow | 1 = 220/50/1 | |
| | 02 = 200 CFM | 2 = 220~240/60/1 | |
| | 03 = 300 CFM | 3 = 115/60/1 | |
| | 04 = 400 CFM | Digit 12: | Factory Mounted Control / ValvePackage |
| | 05 = 500 CFM | N = None | |
| | 06 = 600 CFM | Digit 13: | Terminal Box |
| | 08 = 800 CFM | A = Standard Wiring w/ Terminal Box | |
| | 10 = 1000 CFM | B = Electric Heater Wiring w/ Terminal Box | |
| | 12 = 1200 CFM | Digit 14: | Return Plenum / Filter |
| | 14 = 1400 CFM | B = with 6mm Nylon Filter | |
| Digit 7: | Connection Side | Digit 15: | Drain Pan |
| | L = Left Connection | A = STD. Galvanized Steel w/ 7mm PE Insulation | |
| | R = Right Connection | D = Stainless Steel w/ 7mm PE Insulation | |
| Digit 8: | Coil Rows | G = STD. Galvanized Steel w/ 6mm | |
| | 3 = 3 Rows Cooling | Non-flammable Close Cell Insulation | |
| Digit 9: | Electric Heater (Size) | K = Stainless Steel w/ 6mm Non-flammable | |
| | N = None | Close Cell Insulation | |
| | A = 0.5 kW Heater (02) | Digit 16: | Trane Digital Grille(TDG) |
| | B = 1.0 kW Heater (03) | N = None | |
| | C = 1.4 kW Heater (04) | Digit 17: | Future Use |
| | D = 1.6 kW Heater (05) | N = None | |
| | E = 1.8 kW Heater (06) | Digit 18: | Region |
| | F = 2.8 kW Heater (08) | A = APR | |
| | G = 3.2 kW Heater (10) | B = MAIR | |
| | H = 3.6 kW Heater (12) | C = LAR | |
| | J = 4.6 kW Heater (14) | | |
| Digit 10: | Motor Type | | |
| | N = Normal | | |

Dimensional Data and Weight

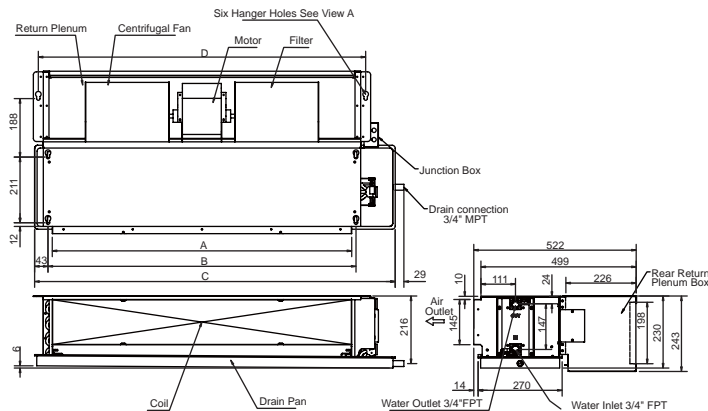
HFCF Standard Unit



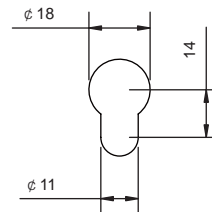
HFCF Bottom Return Plenum and Filter



HFCF Rear Return Plenum and Filter



View A



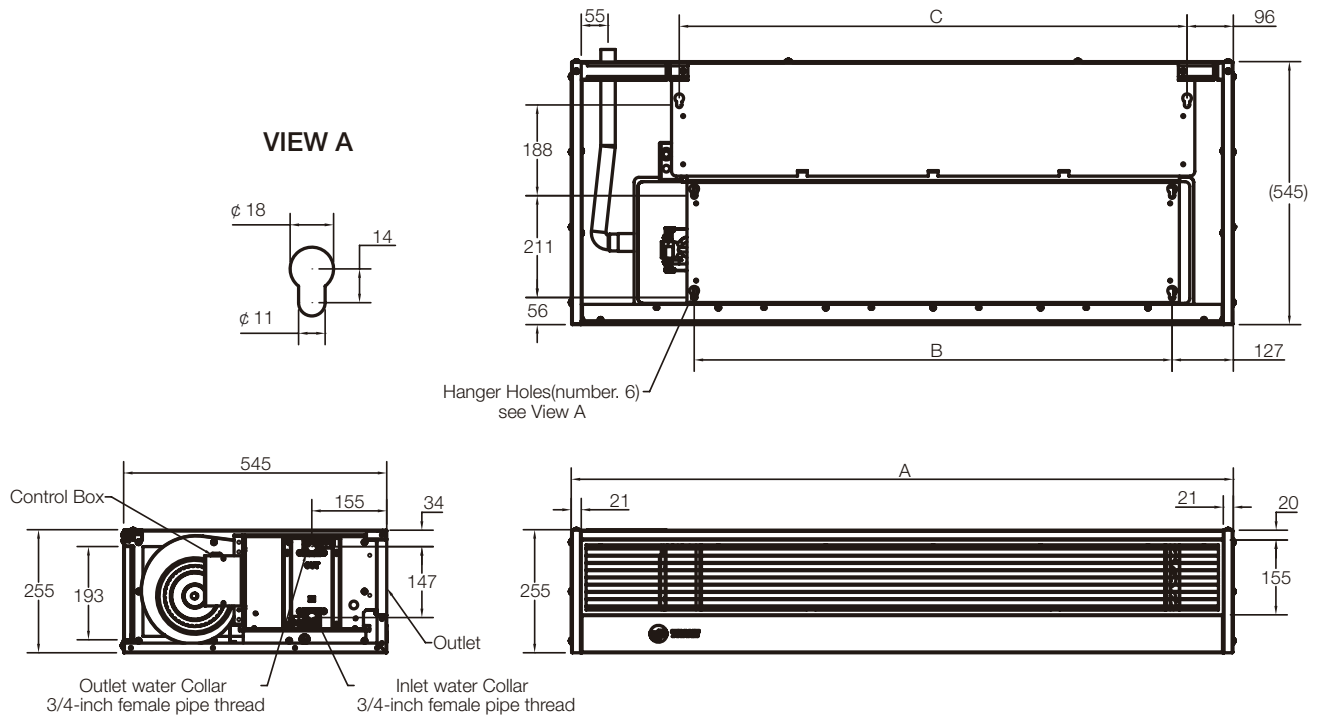
Note:

- 1.Dimension in mm.
- 2.Above shown with right hard coil connection
- 3.Wiring connection is located at the same side as coil and drain connections.
- 4.Wiring and junction box will be supplied by Trane.

| Unit Model | Dimension (mm) | | | | Motor Qty. | Fan Qty. | Net Weight (kg) without Plenum Box and Filter | | | | | | | | | | | |
|------------|----------------|------|------|------|------------|----------|-----------------------------------------------|-------|-------|-------------|-------|-------|---------------|-------|-------|-------------|-------|-------|
| | | | | | | | Normal Static | | | High Static | | | Normal Static | | | High Static | | |
| | A | B | C | D | | | 2 Row | 3 Row | 4 Row | 2 Row | 3 Row | 4 Row | 2 Row | 3 Row | 4 Row | 2 Row | 3 Row | 4 Row |
| HFCF02 | 458 | 485 | 648 | 547 | 1 | 1 | 12 | 13 | 14 | 13 | 14 | 15 | 15 | 16 | 17 | 16 | 17 | 18 |
| HFCF03 | 693 | 720 | 883 | 782 | 1 | 2 | 16 | 18 | 20 | 17 | 19 | 21 | 20 | 22 | 24 | 21 | 24 | 25 |
| HFCF04 | 793 | 820 | 983 | 882 | 1 | 2 | 17 | 19 | 21 | 18 | 20 | 22 | 21 | 23 | 25 | 22 | 25 | 26 |
| HFCF05 | 913 | 940 | 1103 | 1002 | 1 | 2 | 19 | 21 | 23 | 20 | 22 | 24 | 24 | 26 | 28 | 24 | 28 | 28 |
| HFCF06 | 963 | 990 | 1153 | 1052 | 1 | 2 | 20 | 22 | 24 | 21 | 23 | 25 | 25 | 27 | 29 | 25 | 29 | 29 |
| HFCF08 | 1243 | 1270 | 1433 | 1332 | 2 | 3 | 28 | 30 | 32 | 29 | 31 | 33 | 34 | 36 | 38 | 35 | 38 | 39 |
| HFCF10 | 1493 | 1520 | 1683 | 1582 | 2 | 4 | 30 | 33 | 36 | 32 | 35 | 38 | 37 | 40 | 43 | 39 | 43 | 45 |
| HFCF12 | 1663 | 1690 | 1853 | 1752 | 2 | 4 | 35 | 38 | 41 | 36 | 39 | 42 | 43 | 46 | 49 | 44 | 49 | 50 |
| HFCF14 | 1793 | 1820 | 1983 | 1882 | 2 | 4 | 37 | 40 | 43 | 38 | 41 | 44 | 45 | 48 | 51 | 46 | 51 | 52 |

Dimensional Data and Weight

HFXF



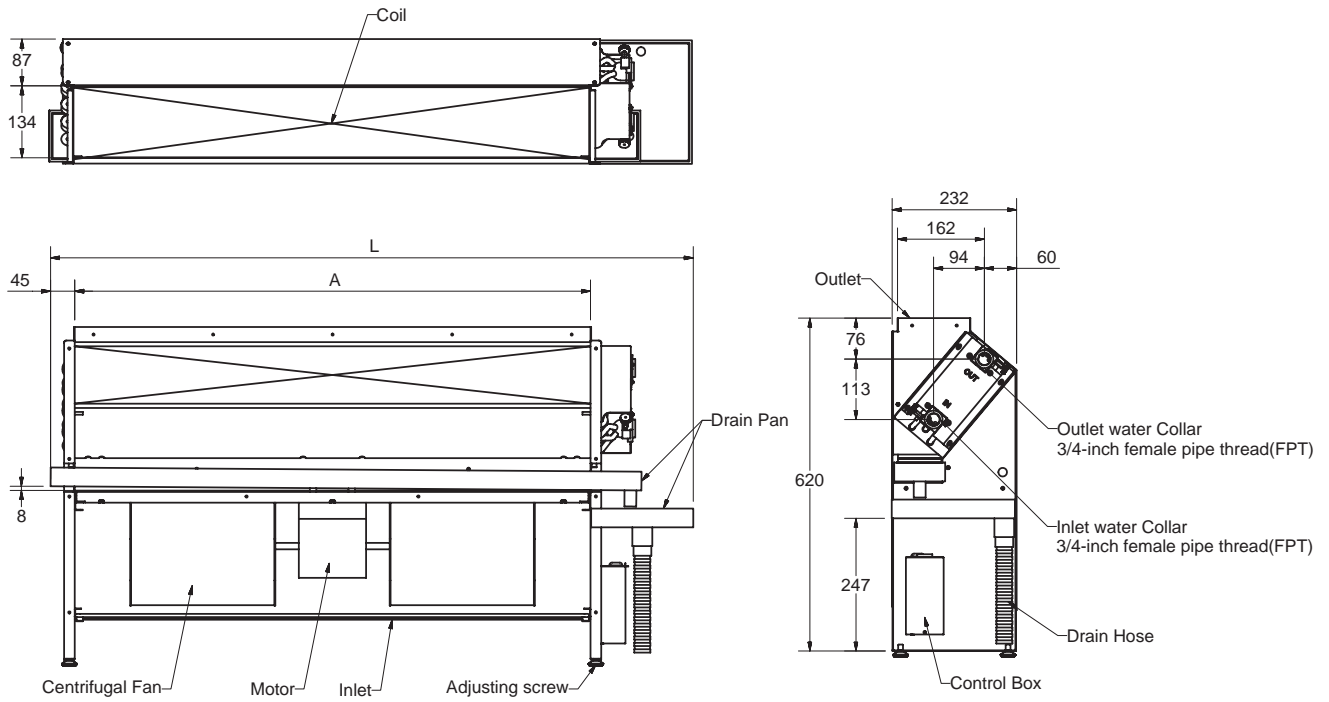
Note:

- 1.Dimension in mm.
- 2.Above shown with right hard coil connection
- 3.Wiring connection is located at the same side as coil and drain connections.
- 4.Wiring and junction box will be supplied by Trane.

| Unit Model | Dimension (mm) | | | Motor Qty. | Fan Qty. | Net Weight (kg) | | |
|------------|----------------|------|------|------------|----------|-----------------|-------------|-------------|
| | A | B | C | | | 2 Row kg | 3 Row kg | 4 Row kg |
| HFXF02 | 867 | 485 | 547 | 1 | 1 | 25 | 25 | 27 |
| HFXF03 | 1102 | 720 | 782 | 1 | 2 | 31 | 33 | 35 |
| HFXF04 | 1202 | 820 | 882 | 1 | 2 | 32 | 34 | 36 |
| HFXF05 | 1322 | 940 | 1002 | 1 | 2 | 36 | 38 | 40 |
| HFXF06 | 1372 | 990 | 1052 | 1 | 2 | 38 | 40 | 42 |
| HFXF08 | 1652 | 1270 | 1332 | 2 | 3 | 49 | 51 | 53 |
| HFXF10 | 1902 | 1520 | 1582 | 2 | 4 | 53 | 56 | 59 |
| HFXF12 | 2072 | 1690 | 1752 | 2 | 4 | 61 | 64 | 67 |
| HFXF14 | 2202 | 1820 | 1882 | 2 | 4 | 63 | 66 | 69 |

Dimensional Data and Weight

VFCF



Note:

1. Dimension in mm.
2. Above shown with right hard coil connection
3. Wiring connection is located at the same side as coil and drain connections.
4. Wiring and junction box will be supplied by Trane.

| Unit Model | Dimension (mm) | | Motor Qty. | Fan Qty. | Net Weight (kg) |
|------------|----------------|------|------------|----------|-----------------|
| | A | L | | | 3 Row kg |
| VFCF02 | 867 | 485 | 1 | 1 | 17 |
| VFCF03 | 1102 | 720 | 1 | 2 | 23 |
| VFCF04 | 1202 | 820 | 1 | 2 | 25 |
| VFCF05 | 1322 | 940 | 1 | 2 | 28 |
| VFCF06 | 1372 | 990 | 1 | 2 | 29 |
| VFCF08 | 1652 | 1270 | 2 | 3 | 37 |
| VFCF10 | 1902 | 1520 | 2 | 4 | 42 |
| VFCF12 | 2072 | 1690 | 2 | 4 | 47 |
| VFCF14 | 2202 | 1820 | 2 | 4 | 51 |



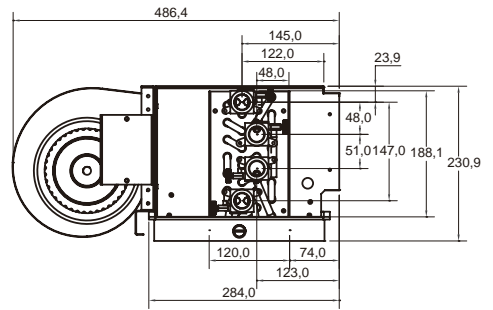
Sound Pressure Data/ Wiring Diagram/ Coil Connection

Sound Pressure Data

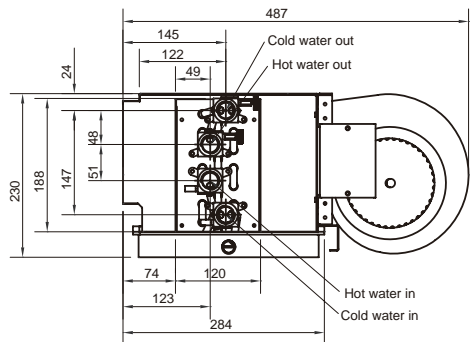
| Motor Type Unit Model | Speed | Normal | | | | | | | | Hi-Static | | | | | | | |
|--------------------------|-------|------------------------------------------|-----|-----|-----|------|------|------|------|-----------|-----|-----|-----|------|------|------|------|
| | | Octave Band (dB) & Center Frequency (Hz) | | | | | | | | | | | | | | | |
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| 02 | High | 20 | 15 | 25 | 27 | 31 | 29 | 17 | 10 | 19 | 24 | 28 | 33 | 37 | 37 | 25 | 13 |
| | Med | 20 | 14 | 19 | 23 | 23 | 19 | 11 | 9 | 19 | 22 | 26 | 31 | 34 | 33 | 21 | 11 |
| | Low | 19 | 13 | 15 | 19 | 21 | 11 | 11 | 9 | 19 | 15 | 17 | 23 | 24 | 22 | 12 | 9 |
| 03 | High | 12 | 12 | 21 | 28 | 28 | 24 | 14 | 11 | 16 | 24 | 28 | 35 | 38 | 37 | 27 | 13 |
| | Med | 10 | 8 | 13 | 19 | 18 | 14 | 13 | 11 | 11 | 19 | 22 | 29 | 31 | 29 | 17 | 9 |
| 04 | High | 16 | 17 | 25 | 31 | 33 | 32 | 18 | 9 | 15 | 26 | 33 | 38 | 41 | 39 | 28 | 15 |
| | Med | 17 | 16 | 18 | 25 | 25 | 21 | 11 | 9 | 17 | 21 | 25 | 32 | 34 | 31 | 19 | 10 |
| | Low | 17 | 16 | 15 | 19 | 19 | 11 | 10 | 8 | 13 | 12 | 16 | 23 | 24 | 17 | 11 | 9 |
| 05 | High | 18 | 19 | 34 | 35 | 37 | 37 | 25 | 12 | 14 | 29 | 33 | 39 | 42 | 41 | 31 | 19 |
| | Med | 20 | 17 | 27 | 31 | 33 | 30 | 18 | 12 | 12 | 23 | 29 | 33 | 36 | 34 | 23 | 11 |
| | Low | 29 | 24 | 28 | 31 | 32 | 27 | 24 | 21 | 12 | 16 | 20 | 27 | 28 | 22 | 13 | 9 |
| 06 | High | 17 | 19 | 32 | 36 | 39 | 38 | 27 | 14 | 17 | 31 | 34 | 39 | 43 | 42 | 33 | 20 |
| | Med | 19 | 14 | 22 | 28 | 29 | 26 | 15 | 9 | 21 | 26 | 30 | 35 | 38 | 37 | 26 | 13 |
| | Low | 17 | 11 | 14 | 22 | 22 | 14 | 10 | 9 | 14 | 19 | 23 | 30 | 31 | 26 | 16 | 10 |
| 08 | High | 19 | 23 | 32 | 37 | 39 | 41 | 31 | 16 | 18 | 32 | 36 | 41 | 45 | 46 | 38 | 25 |
| | Med | 26 | 20 | 28 | 32 | 33 | 34 | 21 | 10 | 17 | 27 | 31 | 37 | 41 | 41 | 31 | 18 |
| | Low | 19 | 18 | 25 | 27 | 28 | 25 | 14 | 10 | 16 | 21 | 25 | 32 | 34 | 32 | 22 | 12 |
| 10 | High | 18 | 22 | 33 | 39 | 42 | 42 | 31 | 19 | 17 | 32 | 36 | 43 | 47 | 46 | 38 | 26 |
| | Med | 19 | 17 | 25 | 32 | 34 | 31 | 19 | 11 | 16 | 26 | 30 | 37 | 40 | 38 | 29 | 16 |
| | Low | 18 | 14 | 15 | 24 | 23 | 16 | 11 | 9 | 14 | 19 | 22 | 29 | 30 | 26 | 16 | 12 |
| 12 | High | 19 | 26 | 37 | 42 | 45 | 45 | 35 | 21 | 19 | 36 | 41 | 47 | 50 | 49 | 41 | 28 |
| | Med | 15 | 25 | 32 | 38 | 39 | 37 | 26 | 16 | 17 | 32 | 37 | 44 | 46 | 45 | 35 | 21 |
| | Low | 13 | 19 | 24 | 30 | 31 | 26 | 15 | 10 | 14 | 24 | 29 | 35 | 37 | 35 | 23 | 11 |
| 14 | High | 16 | 28 | 41 | 45 | 47 | 47 | 38 | 25 | 22 | 38 | 43 | 49 | 52 | 51 | 44 | 31 |
| | Med | 15 | 25 | 36 | 40 | 42 | 40 | 29 | 16 | 21 | 32 | 37 | 42 | 45 | 44 | 34 | 21 |
| | Low | 14 | 22 | 27 | 36 | 34 | 30 | 18 | 11 | 20 | 23 | 27 | 33 | 34 | 30 | 19 | 13 |

Notes: Above performance determined with both Normal static motor and Hi-static motor operating at 0 Pa ESP (no ducting, ceiling enclosed or other sound attenuating materials used).

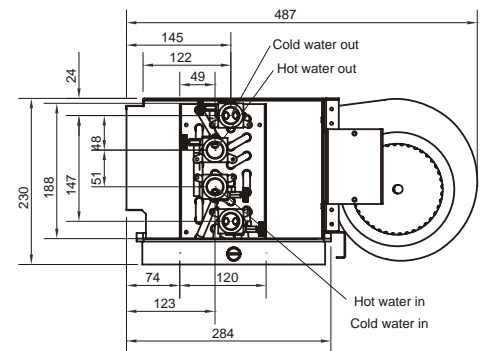
Piping Connection



2, 3, 4 Row

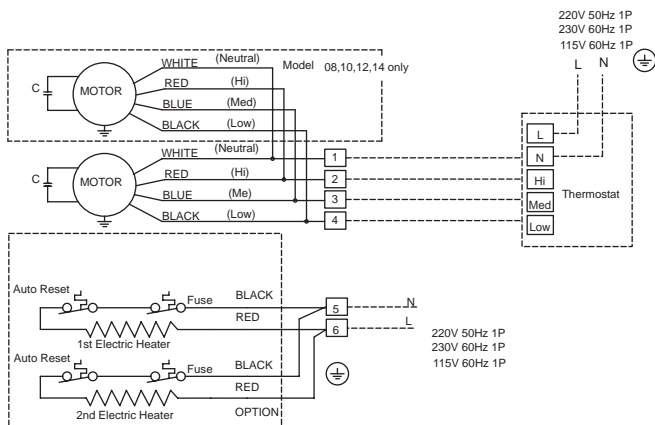


2+1 Row



3+1 Row

Wiring Diagram



Notes:
1. Model speed control
Yellow and Red Wires = High Speed
Yellow and Blue Wires = Medium Speed
Yellow and Black Wires = Low Speed
2. Contactor or relay shall be installed by others for an electric heater option

Product Specification

■ General

- Fabricated with a rigid galvanized steel casing. The HFXF outside cabinet is with powder coating.
- The DIDW centrifugal fans have balanced, galvanized steel, and forward curved blades.
- The fan board and the top of coil casing were insulated with high-density non-flammable foam.
- The coil casing shall be provided with collars, with screw holes for supply air duct and plenum box connections.

■ Fan & Motor

- Motors are of permanent split capacitor type for maximum efficiency and minimum noise with permanently lubricated, sealed ball bearings.
- Fan motor shall be capable of providing at least 3 fan speeds (LOW-MEDIUM-HIGH) and built-in with thermal cut-out to prevent overloading at any speed and duty of the fans.
- The motor capacitor is totally enclosed in a metal shield, and attached to the motor. The motor lead-out wires are enclosed in a flexible metal conduit to provide protection against damage, and factory wired to a terminal block inside a factory installed junction box.
- An optional item of hermetic fan motor shall be identical performance as typical under rated of IP21 or equivalent.
- Optional DC motor is available for customer choice (except HFXF and VFCE).
- The motor shall be with CE and GB safety certified.

■ Coil

- The coil shall have 2,3 or 4 rows configuration with seamless copper tubes mechanically bonded into blue aluminum fins and collars.
- The coil shall be designed with bottom accessible for ease of switching coil hands/water connections at jobsite.

- Water inlet /outlet connections shall be with 3/4-inch female pipe thread (GBT19001-2000). Header assembly shall be one-piece brass casting which accepts steel pipe directly.
- Coils are 3/8 inch OD copper tubes mechanically bonded into aluminum blue fins.
- The coil standard provide blue fin. The blue coating is a vinyl-epoxy-based coating.
- A manual air vent shall be fitted with a drain tube to the drain pan to avoid any water drips when venting. A water plug is located at the bottom of the coil header.
- Coil assembly shall be tested over 25kg/cm² (360 psi), no obvious leakage under working pressure at 16kg/cm² (230 psi).
- A water drain pan purge is located at the bottom of the coil header
- Interchangeable coil hand connections for HFCF(2/3/4 row) only.

■ Drain Pan

- The drain pan shall be thermally insulated galvanized steel, pretreated with epoxy resin coating at an inner surface.
- For maximum security from leaks, drain pan shall be one-piece stamping with no seam or joint .
- The standard insulation material is 27kg/m³ density PE foam. And the thickness is 7mm. 6/10/25mm thickness non-flammable close cell insulation is available for option.
- The drain pan shall have galvanized steel male with 3/4-inch connection.
- The drain pan shall be removable and have a slight fall towards the drain connection.

Fan Coil Options

■ Heater

- Either hot water heating or positive temperature coefficient (PTC) electric heater is available as for heating option.
- One row heating coil for HFCF(2+1 / 3+1).

■ Plenum & Filter

- The filter shall be selected with permanent, dry type, washable nylon or flameproof aluminum foil(except VFCE).
- Optional bottom return air plenum or rear return air plenum for HFCF.

■ Stainless Steel Drain Pan

- The material shall have graded SUS 304 or equivalent.

■ Factory-mounted Control valve Package for HFCF

- Factory mounted 2-way or 3-way control valve with fitting to the coil, it shall be tested against the maximum working pressure of coil.
- Factory mounted and functional test done for Trane ICS fan coil controller. All cables are wired to a terminal block inside a factory installed junction box.

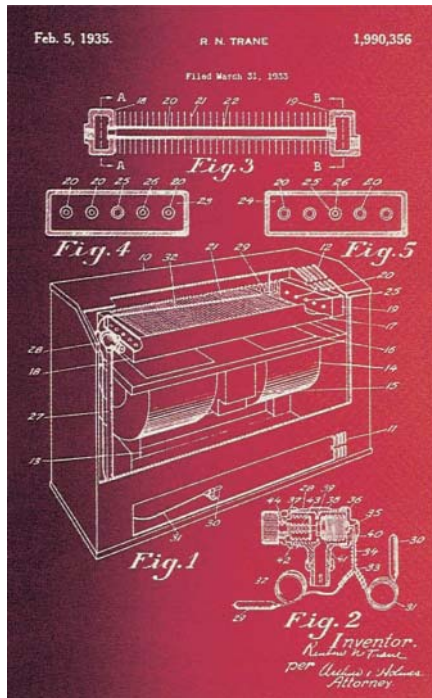
■ Trane Build Management System

- The Tracer Summit™ system is designed for monitoring and control air conditioning system, lighting and other controllable devices for building.
- Such Building Control Unit (BCU) manages all Unit Control Modules (UCM) for different zones management. Each UCM performs scan on couples of HFCF equips ZN controller in specific zone and regularly report to the central system.

■ DC Fan Motor for HFCF

- Energy saving/ high efficiency, low electro magnetic noise.
- More accurate temperature control(±0.5 deg. C) and low running noise at auto mode
- Variable airflow (lowest at 30%) by brushless DC fan motor, achieve of comfortable room temperature.
- Fan motor comes with specific controller and backlight LCD thermostat, key card with standalone configuration.

***The Trane Fan Coil..
 ...Invented by Trane
 ...Perfected by Trane.***



Since 1885, Trane has been at the technological forefront of air conditioning. The company's pioneering spirit, commitment to research and pursuit of quality have made it a world leader in the manufacture of water chillers.

Over 70 years ago Trane produced the first fan coil unit and in so doing created a product which is now built worldwide. The universal acceptance of this product has prompted Trane to focus the same engineering experience to the fan coil as given to the refrigeration products.



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www.trane.com

For more information, contact your local Trane office or e-mail us at comfort@trane.com

Trane has a policy of continuous product and data improvement and reserves the right to change design specifications without notice.