

UT

Air handling unit with capacities from 4.7 to 35.3 kW



UT B



UT C

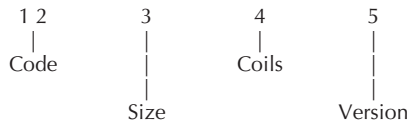
Features

- Available in two versions:
 - UT B:** Basic version without fan enclosure
 - UT C:** Fully enclosed and equipped with G3 air filter as standard
- Versatile installation
- Internal structure in sandwich panels
- Double suction radial fans
- Three speed motor
- Static pressure available for ducted installations
- Remote control panel
- Broad range of accessories to meet all requirements (post-heating coil and electric heaters)
- Compact size

Selection

By combining the various options, each model can be configured exactly to match even the most specific system requirements.

Configuration rules:



Code:

UT

Size:

1, 2, 3, 4, 5, 6, 7

Coils:

- 3 - 3-row coil
- 4 - 4-row coil
- 6 - 6-row coil
- E - Direct expansion coil
- X - Without coil (extractor)

Version:

- B - Without fan enclosure
- C - Fully enclosed

Commercial code example: **UT34C**

Unit UT, size 3, with 4-row coil, fully enclosed.

Accessories

To obtain the full product codes for these accessories, substitute the letter 'x' with the corresponding size number:

- **UxBP:** Single row coil with swirl fin tubes mounted in a shell for installation on the delivery side.
- **UxBBR:** Electric heater with armoured element and double safety thermostat mounted in a shell for installation on the delivery side.
- **UxGA:** Intake grille with fixed slats.*
- **UxGM:** Delivery grille.
- **UxPM:** Delivery plenum for connection of circular section ducting.
- **UxSL:** Silencer.
- **UxSR:** Anti-freeze damper.*
- **UxSM:** Mixing chamber.*
- **UUUV:** Distribution pipe for vapour humidifying.
- **PCT:** Control panel with three speed selector and room thermostat.
- **PX:** Control panel with 3 speed selector.

* = not compatible for UT B.

** = fit return relays for each speed.

| Compatibility of accessories | | | | | | | | | | | |
|------------------------------|------|------|------|------|------|------|------|------|-----|-----|-------|
| UT | UxBP | UxBR | UxGA | UxGM | UxPM | UxSL | UxSM | UxSR | UUV | PX | PCT 2 |
| 1 | ✓ | ✓ | ✓* | ✓ | ✓ | ✓ | ✓ | ✓* | ✓ | ✓ | ✓ |
| 2 | ✓ | ✓ | ✓* | ✓ | ✓ | ✓ | ✓ | ✓* | ✓ | ✓ | ✓ |
| 3 | ✓ | ✓ | ✓* | ✓ | ✓ | ✓ | ✓ | ✓* | ✓ | ✓ | ✓ |
| 4 | ✓ | ✓ | ✓* | ✓ | ✓ | ✓ | ✓ | ✓* | ✓ | ✓ | ✓ |
| 5 | ✓ | ✓ | ✓* | ✓ | ✓ | ✓ | ✓ | ✓* | ✓ | ✓** | ✓** |
| 6 | ✓ | ✓ | ✓* | ✓ | ✓ | ✓ | ✓ | ✓* | ✓ | ✓** | ✓** |
| 7 | ✓ | ✓ | ✓* | ✓ | ✓ | ✓ | ✓ | ✓* | ✓ | ✓** | ✓** |

Technical data

| Mod. | | UT 1 | UT 2 | UT 3 | UT 4 | UT 5 | UT 6 | UT 7 |
|---|-------------------|------|------|------|------|------|------|------|
| Cooling capacity 3R | total (kW) | 4.7 | 5.1 | 7.3 | 9.3 | 11.5 | 13.4 | 28.6 |
| | sensible (kW) | 3.4 | 4.0 | 5.5 | 6.9 | 8.7 | 11.0 | 19.0 |
| Cooling capacity 4R | total (kW) | 5.3 | 6.2 | 10.1 | 10.4 | 16.0 | 20.6 | 33.6 |
| | sensible (kW) | 3.9 | 4.6 | 7.0 | 7.8 | 11.0 | 14.6 | 23.1 |
| Cooling capacity 6R | total (kW) | 6.7 | 8.3 | 11.7 | 14.0 | 16.7 | 23.0 | 35.3 |
| | sensible (kW) | 4.7 | 5.7 | 7.9 | 9.6 | 11.8 | 16.2 | 24.6 |
| Heating capacity 3R | kW | 10.4 | 12.6 | 17.1 | 21.1 | 27.1 | 36.8 | 57.1 |
| Heating capacity 4R | kW | 11.9 | 14.5 | 19.9 | 24.3 | 31.6 | 43.1 | 65.8 |
| Nominal air flow rate | m ³ /h | 880 | 1110 | 1450 | 1870 | 2380 | 3180 | 4870 |
| Max. effective static pressure (nominal flow rate)* | Pa | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Fan | n. | 1 | 2 | 2 | 1 | 2 | 2 | 3 |
| Motor | n. | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| Poles | n. | 4 | 4 | 4 | 6 | 6 | 6 | 6 |
| Max. power | W | 147 | 147 | 184 | 245 | 294 | 490 | 735 |
| Max. input current | A | 1.35 | 1.6 | 3.0 | 2.9 | 3.4 | 5.8 | 8.7 |
| Water connections | ø | 1" | 1" | 1" | 1" | 1" | 1" | 1" |
| Condensate discharge | ø | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" |

Power supply = 1~ 230V 50Hz.

Performance values refer to the following conditions:

* = at rated capacity with 3R coil and filter

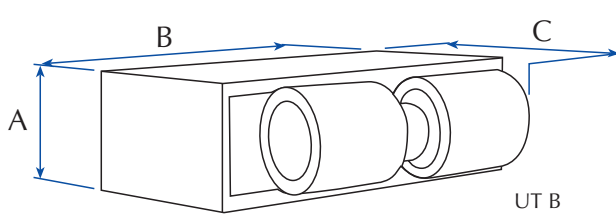
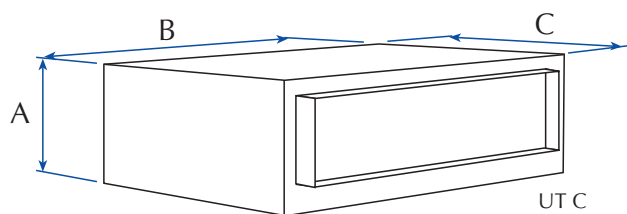
■ Cooling:

- room air temperature 27 °C D.B., 19 °C W.B.;
- water inlet temperature 7 °C; Δt = 5 °C.

■ Heating:

- room air temperature 20 °C;
- water inlet temperature 70 °C;
- Δt = 10 °C.

Dimensions (mm)



| | | UT 1 | UT 2 | UT 3 | UT 4 | UT 5 | UT 6 | UT 7 |
|-------------|-------|------|------|------|------|------|-------|-------|
| Height | A | 330 | 330 | 330 | 450 | 450 | 450 | 450 |
| Width | B | 750 | 850 | 1050 | 850 | 1050 | 1350 | 2000 |
| Depth (C) | UT B | 650 | 650 | 650 | 845 | 845 | 845 | 845 |
| | UT C | 710 | 710 | 710 | 950 | 950 | 950 | 950 |
| Weight (kg) | UT 3B | 35.4 | 39.9 | 48 | 53 | 67.2 | 82.7 | 113.5 |
| | UT 4B | 36.4 | 41.9 | 49.5 | 55 | 68.2 | 85.7 | 118 |
| | UT 6B | 37.9 | 42.9 | 51.5 | 57.5 | 71.2 | 90.2 | 125 |
| | UT EB | 35.5 | 40 | 48 | 53 | 67.5 | 83 | 113.5 |
| | UT XB | 28.5 | 32 | 39 | 42 | 53 | 67 | 92 |
| | UT 3C | 41.3 | 46.4 | 55.4 | 63.4 | 78.8 | 96.3 | 131.5 |
| | UT 4C | 42.2 | 48.3 | 56.7 | 65.2 | 79.7 | 99.2 | 136 |
| | UT 6C | 43.9 | 49.4 | 58.9 | 67.9 | 83.1 | 103.8 | 143 |
| | UT EC | 41.5 | 46.5 | 55.5 | 63.5 | 79 | 96.5 | 131.5 |
| | UT XC | 34 | 38.5 | 46.5 | 52.5 | 64.5 | 80.5 | 110 |