



**ecolution**  
AIR CONDITIONING

Cassette  
Recessed Systems  
FDTC/FDT

Mitsubishi Heavy Industries has further improved the performance and efficiency of the FDT Cassette range:

### CASSETTE - AVAILABLE IN 2 VARIANTS

#### FDTC Compact Cassette

600x600 ceiling recessed unit for standard ceiling grids - up to 5.6kW

#### FDT Standard Cassette

New slim profile reduced height  
Full range up to 14.8kW



Air conditioners and heat pumps for commercial and residential applications



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The FDT Standard Cassette range offers many new technical features:

- Reduced height slim profile – ideal for restricted ceiling spaces
- Thinnest height profile – 246mm on models up to 7.1kW
- Virtual all-round air distribution with optimised supply outlets
- Individual control of air supply louvres to minimise draughts
- New single-piece heat exchanger for enhanced performance

All FDTC & FDT models:

- Variable capacity control automatically adjusted to changing cooling or heating requirements
- Mitsubishi energy saving 'Vector' INVERTER operation
- 7-day/24-hr Programmable Timer – included in standard wired controller
- Compact Outdoor Units with lower sound levels and smaller physical size





## Key Features

- INVERTER on all models
- Individual control of air supply louvres (FDT)
- 7-Day / 24-hr Programmable Timer
- Two on/off settings each day
- Different temperatures for each set period
- External timer/BMS switching for Group (up to 16 units)
- Wall Controller – hard wired
- Integral temperature sensor in remote
- Infra-red wireless controller optional
- Fresh Air inlet facility (FDT models only)
- Low profile attractive grey/white fascia panel
- Improved anti-smudge air discharge
- Low ambient control included
- Auto re-start after power interruption
- Reduced sound levels
- Compatible with Multi Systems



RCE3 Wired Controller



Optional 'Wireless' Controller

Energy Saving up to **38%** with INVERTER Technology

## Superior Controls Specification RCE3

The Mitsubishi RCE3 remote controller combines all the basic user requirements – temperature setting, fan speed selection, mode, and timer settings, with a comprehensive range of service data functions, inverter compressor speed indication, fault diagnosis, and operational history. Infra-red wireless controller is available as an option.



Reduced height - 246mm

## New Slim Profile Cassette FDT

Reduced height cassette models allow installation in restricted ceiling void spaces. All FDT Standard Cassettes are now reduced in height, and compliment the FDTC Compact Cassette models, which are ideal for fitting into a standard 600 x 600 ceiling grid.



Reduced height - 298mm

|                         |            | COMPACT CASSETTE |                 | STANDARD CASSETTE |                 |                 |                 |                 |                 |                 |
|-------------------------|------------|------------------|-----------------|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|                         |            | FDTC 40VN        | FDTC 50VN       | FDT 40VN          | FDT 50VN        | FDT 60VN        | FDT 71VN        | FDT 100VN       | FDT 125VN       | FDT 140VN       |
| Power source            |            | 1 ph             | 1 ph            | 1 ph              | 1 ph            | 1 ph            | 1 ph            | 1 ph*           | 1 ph*           | 1 ph*           |
| COOLING (nominal) range | kW         | 1.8 to 4.7       | 2.2 to 5.6      | 1.8 to 4.7        | 2.2 to 5.6      | 2.8 to 6.3      | 3.2 to 8.0      | 6.1 to 11.2     | 6.54 to 14.0    | 6.7 to 14.8     |
| UK Cooling (max)        | kW         | 4.56             | 5.43            | 4.56              | 5.43            | 6.11            | 7.68            | 10.36           | 12.95           | 13.69           |
| Energy label in cooling | A          | A                | A               | A                 | A               | A               | A               | A               | B               | tba             |
| HEATING (nominal) range | kW         | 2.0 to 5.4       | 2.5 to 6.3      | 2.0 to 5.4        | 2.5 to 6.3      | 3.1 to 7.1      | 3.6 to 9.0      | 5.6 to 12.5     | 6.2 to 16.0     | 6.3 to 16.8     |
| C.O.P.                  |            | 3.41             | 3.62            | 3.41              | 3.62            | 3.74            | 3.72            | 3.59            | 3.53            | tba             |
| Energy label in heating | B          | A                | A               | B                 | A               | A               | A               | B               | B               | tba             |
| INDOOR UNIT H x W x D   | unit (mm)  | 248 x 570 x 570  | 248 x 570 x 570 | 246 x 840 x 840   | 246 x 840 x 840 | 246 x 840 x 840 | 246 x 840 x 840 | 298 x 840 x 840 | 298 x 840 x 840 | 298 x 840 x 840 |
|                         | panel (mm) | 35 x 700 x 700   | 35 x 700 x 700  | 35 x 950 x 950    | 35 x 950 x 950  | 35 x 950 x 950  | 35 x 950 x 950  | 35 x 950 x 950  | 35 x 950 x 950  | 35 x 950 x 950  |
| Net weight              | kg         | 16+3.5           | 16+3.5          | 22+5.5            | 22+5.5          | 22+5.5          | 24+7            | 26+7            | 31+7            | 31+7            |
| OUTDOOR UNIT H x W x D  | mm         | 640 x 871 x 290  | 640 x 871 x 290 | 640 x 871 x 290   | 640 x 847 x 290 | 640 x 871 x 290 | 750 x 968 x 340 | 845 x 970 x 370 | 845 x 970 x 370 | 845 x 970 x 370 |
| Net weight              | kg         | 45               | 45              | 45                | 45              | 45              | 60              | 74              | 74              | 74              |
| Power Source Rating MCB | A          | 16A              | 16A             | 16A               | 16A             | 16A             | 16A             | 20A             | 25A             | 30A             |
| Ref. max piping length  | m          | 30               | 30              | 30                | 30              | 30              | 50              | 50              | 50              | 50              |

Cooling Nom: 27°Cdb/19°Cwb, Amb: 35°C UK Cooling: I/d: 23°Cdb/16°Cwb, Amb: 30°C Heating: I/d: 20°Cdb, Amb: 7°Cdb/6°Cwb

\*3PH UNITS ALSO AVAILABLE 100, 125 & 140 VNS

## FDTC & FDT Top Specification High Performance Systems

Technical features & Accessories



Space Collar (option) for restricted ceiling voids



Individual control of air direction louvres



New compact outdoor units (single fan) up to 14/16kW



Inverter Multi Systems up to 25/28kW

