



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



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FD Inverter models are listed on the Energy Technology List, as indicated in the data table above. This listing enables 100% tax allowance in the first year, on the total cost of Mitsubishi systems, plus the installation costs (including pipework and electrical supplies, materials, labour and design costs. Check ETL listing on government web site: www.eca.gov.uk/etl

