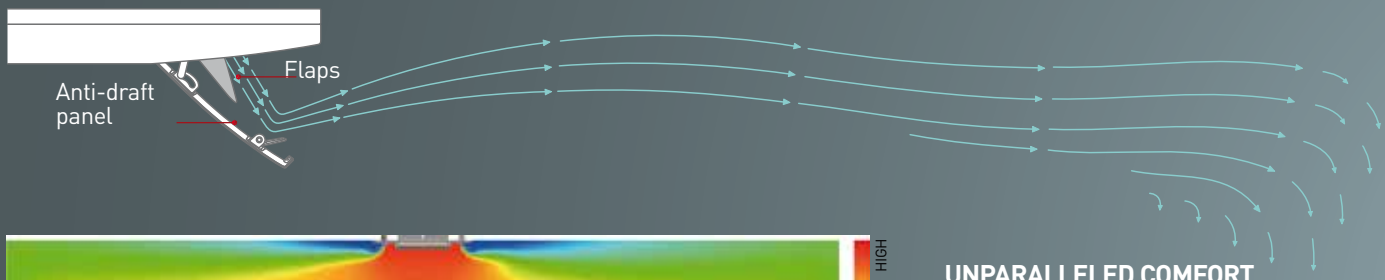
FDTC AND FDT CASSETTE

Anti-draft panel (optional)

Flexible flap control to prevent direct currents.

4 extra flaps, individually controlled in each operating mode: they change the direction of the air flow and prevent the unpleasant sensation of direct currents.



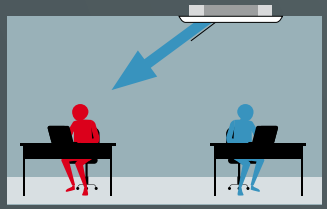
UNPARALLELED COMFORT

The anti-draft panel ensures a uniform air flow and a comfortable temperature in the room, both in cooling and in heating: it can be controlled to instantly eliminate any air currents that are too cold or too hot.

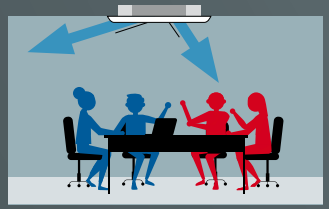
Furthermore, the panel helps the unit to aim the air flow for correct and uniform diffusion in the room.
The additional flaps are closed when the unit is not running.

Individual control of the four flaps (standard and anti-draft panels)

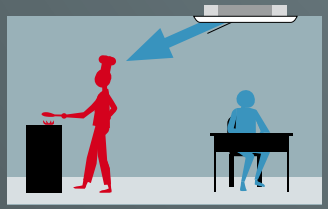
The flap control system lets you direct the air flow as needed



To reach people further away from the unit.



To reach only people who are feeling too hot or too cold.



To reach the warmest parts of the room.

NOTE

The flaps cannot be controlled individually using the IR remote control.

FDTC CASSETTE 60x60

Ultra-compact design

FDTC weighs just 14 kg.
The height of the thin panel and the main body is just 248 mm, allowing for very simple installation.

Measurements reduced to 620 mm, ideal for application in European modular ceilings.

JUST 10 MM THICK

The FDTC panel perfectly adheres to the ceiling because it only protrudes 10 mm.

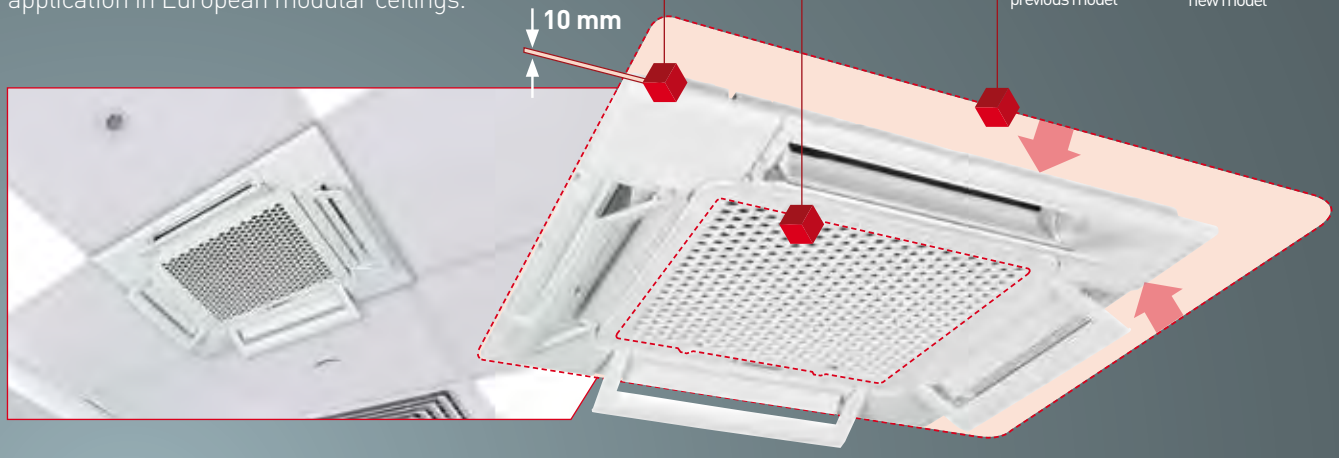
HONEYCOMB GRILLE

New grille design.

VERY COMPACT DESIGN

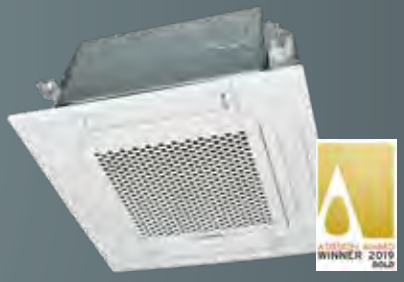
The panel dimensions adapt perfectly to European modular ceiling lattices.

700 mm → **620 mm**
previous model — new model



Standard linear and honeycomb panels

Standard linear panel



Standard honeycomb panel

FDT CASSETTE 84x84

Black and white colors of the standard and anti-draft panels, to expand the design possibilities in shops, offices and restaurants.

Anti-draft white panel

Standard black panel

MITSUBISHI HEAVY INDUSTRIES

LIGHT COMMERCIAL

Cassette 60x60

FDTC 25-35 VH1/FDTC 40~60 VH
Standard honeycomb panel
TC-PSA-5AW-E

OPTIONAL

FDTC 25-35 VH1/FDTC 40~60 VH
Anti-draft honeycomb panel
TC-PSAE-5AW-E

FDTC 25-35 VH1/FDTC 40~60 VH
Standard linear panel
TC-PSAG-5AW-E

FDTC 25-35 VH1/FDTC 40~60 VH
Anti-draft linear panel
TC-PSAGE-5AW-E

*optional

Indoor unit model			FDTC 25 VH1	FDTC 35 VH1	FDTC 40 VH	FDTC 50 VH	FDTC 60 VH
Outdoor unit model			SRC 25 ZS-W2	SRC 35 ZS-W2	SRC 40 ZSX-W1	SRC 50 ZSX-W2	SRC 60 ZSX-W1
Type			DC-Inverter heat pump				
Rated capacity (T=+35°C)	Cooling	kW	2.50 (0.90~3.20)	3.50 (0.9~4.30)	4.00 (1.10~4.70)	5.00 (1.10~5.60)	5.60 (1.10~6.30)
Rated absorbed power (T=+35°C)		kW	0.61	0.91	0.98	1.40	1.73
Rated energy efficiency coefficient		EER[3]	4.10	3.85	4.08	3.58	3.23
Seasonal energy efficiency class		626/2011[1]	A++	A++	A++	A++	A++
Seasonal energy efficiency index		SEER[2]	6.80	7.10	6.94	6.52	6.45
Annual energy consumption		kWh/a	129	173	202	269	304
Theoretical load (Pdesignc)		kW	2.50	3.50	4.00	5.00	5.60
Rated capacity (T=+7°C)	Heating	kW	2.90 (0.90~4.00)	4.25 (0.90~4.60)	4.50 (0.60~5.40)	5.40 (0.60~6.30)	6.70 (0.60~6.70)
Rated absorbed power (T=+7°C)		kW	0.71	1.15	1.13	1.53	2.14
Rated energy performance coefficient		COP[3]	4.08	3.70	3.98	3.53	3.13
Energy efficiency class (average season)		626/2011[1]	A+	A++	A+	A+	A+
Seasonal energy efficiency class index (average season)		SCOP[2]	4.00	4.60	4.37	4.30	4.10
Annual energy consumption		kWh/a	840	883	1283	1401	1744
Theoretical load (Pdesignh) @-10°C		kW	2.40	2.90	4.00	4.30	5.10
Operating limits (outside temperature)	Cooling	°C	-15~+46				
	Heating	°C	-15~+24		-20~+20		
Electrical data							
Power	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz		1-220~240V-50Hz		
Power cable		Type	3 x 2 mm²	3 x 2 mm²	3 x 4 mm²	3 x 4 mm²	3 x 4 mm²
Connection wires between I.U. and O.U.		no.	4	4	4	4	4
Rated absorbed current	Cooling	A	3.20	4.40	4.30	6.20	7.60
	Heating	A	3.60	5.50	5.00	6.70	9.40
Maximum current		A	9.00	9.00	15.00	15.00	15.00
Maximum absorbed power		kW	1.65	1.65	2.60	2.90	2.90
Refrigerant circuit							
Refrigerant (GWP)[4]			R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
Quantity refrigerant pre-load		Kg	0.62	0.78	1.30	1.30	1.30
Tons of CO2 equivalent		t	0.439	0.527	0.878	0.878	0.878
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø12.74(1/2")	ø6.35(1/4") - ø12.74(1/2")	ø6.35(1/4") - ø12.74(1/2")
Max. splitting length		m	20	20	30	30	30
Max height difference I.U./O.U.		m	10	10	20	20	20
Splitting length without additional load		m	15	15	15	15	15
Additional load		g/m	20	20	20	20	20
Specifications of indoor units							
Dimensions	LxDxH	mm	570x570x248	570x570x248	570x570x248	570x570x248	570x570x248
Net weight		Kg	13.5	13.5	14	14	14
Sound pressure level (I.U.)	SHi/Hi/Mi/Lo	dB(A)	38/34/30/27	39/36/32/29	44/40/35/27	44/40/35/27	46/42/38/31
Sound power level (I.U.)	Hi	dB(A)	51	52	59	59	60
Handled air volume	SHi/Hi/Mi/Lo	m³/h	570/510/450/390	600/540/480/420	570/660/540/420	570/660/540/420	840/720/600/480
Motor power (Output)		W	50	50	50	50	50
Condensate drain pipe	ø internal	mm	25	25	25	25	25
Specifications of outdoor units							
Dimensions	LxDxH	mm	780(+62)x290x540	780(+62)x290x540	800(+71)x290x640	800(+71)x290x640	800(+71)x290x640
Net weight		Kg	31.0	34.5	45	45	45
Sound pressure level (O.U.)		dB(A)	47	50	52	52	53
Sound power level (O.U.)		dB(A)	58	62	63	63	65
Handled air (Max)		m³/h	1644	1890	1980	2340	2490
Motor power (Output)		W	24	24	34	34	34
Accessories							
Standard honeycomb/linear panel			TC-PSA-5AW-E / TC-PSAG-5AW-E				
Panel dimensions	LxDxH	mm	620x620x10	620x620x10	620x620x10	620x620x10	620x620x10
Net weight		Kg	2.5	2.5	2.5	2.5	2.5
Optional parts							
Anti-draft honeycomb/linear panel			TC-PSAE-5AW-E / TC-PSAGE-5AW-E				
Wi-Fi module			INWFIMHI001R000				
Wired remote control			RC-E5 / RC-EX3A / RCH-E3				
IR remote control (corner KIT)			RCN-TC-5AW-E3				
Human sensor (corner KIT)			LB-TC-5W-E				
Outdoor air intake spacer			TC-OAS-E				
Outdoor air intake duct connections			TC-OAD-E				
SUPERLINK II interface			SC-ADNA-E				

1 EU Delegated Regulation No.626/2011 on the new labelling indicating the energy consumption of air conditioners. 2 EU Regulation No.206/2012 - Value measured according to harmonised standard EN14825. 3 Value measured according to harmonised standard EN14511. 4 Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO2, over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.