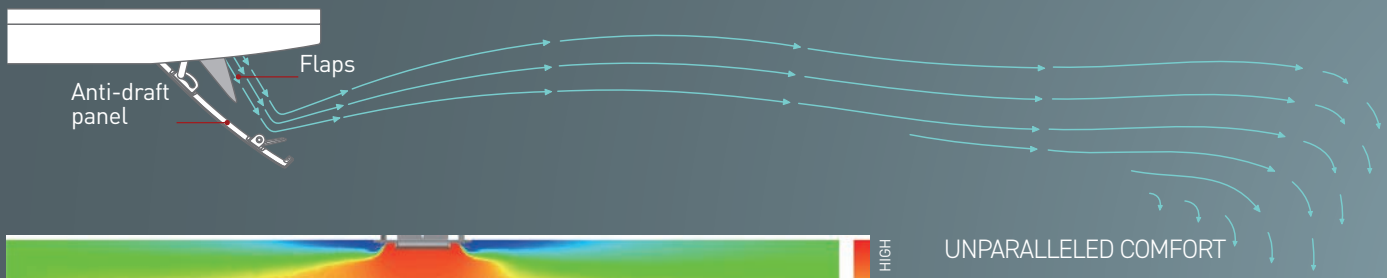
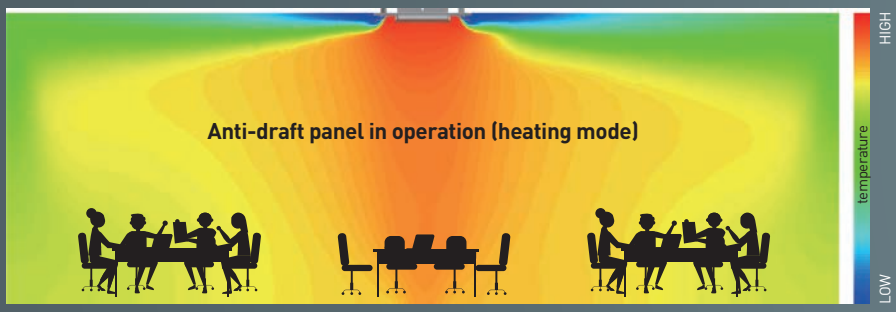
FDTC AND FDT CASSETTE

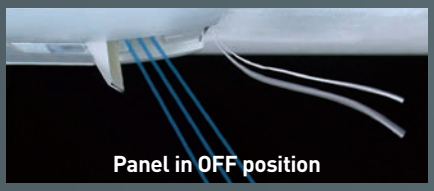
Anti-draft panel (optional)

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.







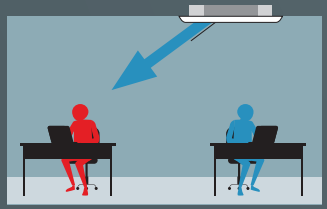
UNPARALLELED COMFORT

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.

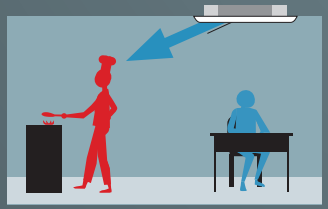
Individual control of the four flaps (standard and anti-draft panels)

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.

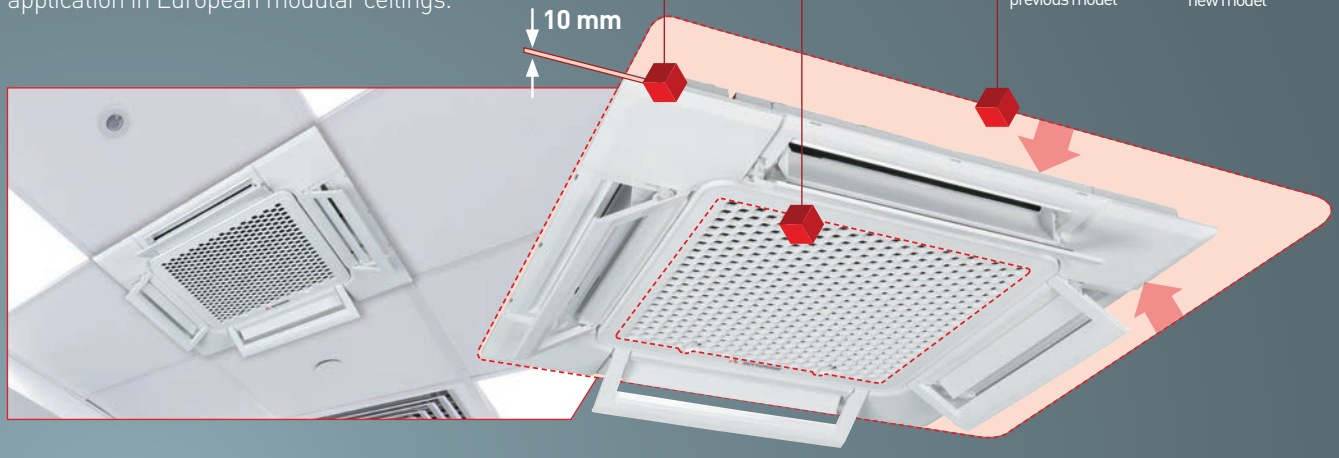
HONEYCOMB GRILLE

New grille design.

VERY COMPACT DESIGN

The panel dimensions adapt perfectly to European modular ceiling lattices.

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



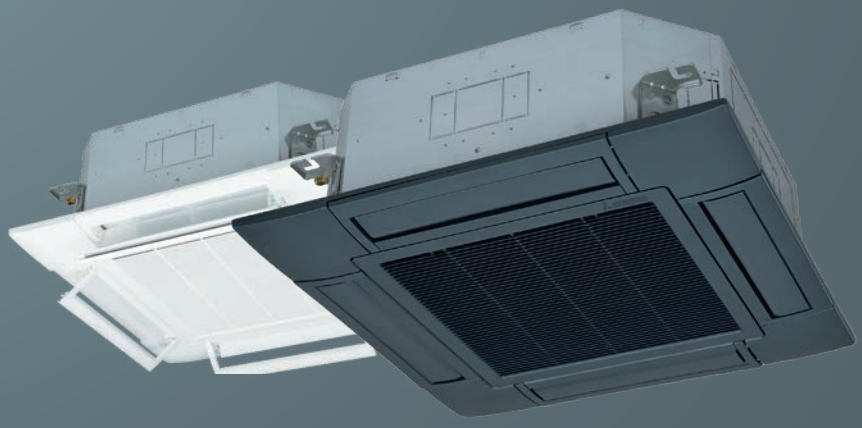
Standard linear and honeycomb panels

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

R32

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				
Nominal data							
Rated capacity (T=+35°C)	Cooling	kW	2.50 (0.90~3.20)	3.50 (0.90~4.30)	4.00 (1.10~4.70)	5.00 (1.10~5.60)	5.60 (1.10~6.30)
Rated absorbed power (T=+35°C)	Cooling	kW	0.61 (0.18~0.98)	0.91 (0.18~1.37)	0.98	1.40	1.73
Rated energy efficiency coefficient	Cooling	EER[1]	4.10	3.85	4.08	3.58	3.23
Rated capacity (T=+7°C)	Heating	kW	2.90 (0.90~4.00)	4.25 (0.9~5.6)	4.50 (0.60~5.40)	5.40 (0.60~6.30)	6.70 (0.60~6.70)
Rated absorbed power (T=+7°C)	Heating	kW	0.71 (0.19~1.31)	1.15 (0.19~1.33)	1.13	1.53	2.14
Rated energy performance coefficient	Heating	COP[1]	4.08	3.70	3.98	3.53	3.13
Seasonal data							
Theoretical load (Pdesignc)	Cooling	kW	2.50	3.50	4.00	5.00	5.60
Seasonal energy efficiency index	Cooling	SEER[2]	6.80	7.10	6.94	6.52	6.45
Seasonal energy efficiency class	Cooling	626/2011[3]	A++	A++	A++	A++	A++
Annual energy consumption	Cooling	kWh/a	129	173	202	269	304
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	kW	2.40	2.90	4.00	4.30	5.10
Seasonal energy efficiency index	Heating (average climate conditions)	SCOP[2]	4.00	4.60	4.37	4.30	4.10
Seasonal energy efficiency class	Heating (average climate conditions)	626/2011[3]	A+	A++	A+	A+	A+
Annual energy consumption	Heating (average climate conditions)	kWh/a	840	883	1283	1401	1744
Electrical data							
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz				
Power cable		Type	3 x 2.5 mm²	3 x 2.5 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
Absorbed current	Cooling	A	3.10	4.30	4.30	6.20	7.60
Absorbed current	Heating	A	3.40	5.30	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[4]		Type (GWP)	R32 (675)				
Quantity refrigerant pre-load		Kg	0.62	0.78	1.3	1.3	1.3
Tons of CO2 equivalent		t	0.419	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
Split length without additional charge		m	15	15	15	15	15
Additional load		g/m	20	20	20	20	20
Indoor unit specifications							
Dimensions	LxDxH	mm	570x570x248	570x570x248	570x570x248	570x570x248	570x570x248
Net weight		Kg	13.5	13.5	14	14	14
Sound power level	Max	dB(A)	52	53	59	59	60
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	39/36/32/28	41/38/34/30	44/40/35/27	44/40/35/27	46/42/38/31
Treated air volume (P-Hi/Hi/Me/Lo)	Cooling	m³/h	510/450/420/360	540/480/450/390	780/660/540/420	780/660/540/420	840/720/600/480
Treated air volume (P-Hi/Hi/Me/Lo)	Heating	m³/h	570/510/450/390	600/540/480/420			
Outdoor unit specifications							
Dimensions	LxDxH	mm	780(+62)x290x540	780(+62)x290x540	800(+71)x290x640	800(+71)x290x640	800(+71)x290x640
Net weight		Kg	31	34.5	45	45	45
Sound power level	Max	dB(A)	59	62	63	63	65
Sound pressure level	Max	dB(A)	47	50	52	52	54
Treated air volume	Max	m³/h	1644	1890	1980	2340	2490
Operating limits (outside temperature)	Cooling	°C	-15~+46				
Operating limits (outside temperature)	Heating	°C	-20~+20				
Accessories							
Standard panel			TC-PSA-5AW-E (honeycomb) / TC-PSAG-5AW-E (linear)				
Dimensions	LxDxH	mm	620x620x10	620x620x10	620x620x10	620x620x10	620x620x10
Net weight		Kg	2.5	2.5	2.5	2.5	2.5
Wired remote control			RC-E5 (LCD) / RC-EX3A (touch) / RCH-E3 (simplified)				
IR remote control (corner KIT)			RCN-TC-5AW-E3				
Optional parts							
Wi-Fi module			INWFIMHI001R000				
Human sensor (corner KIT)			LB-TC-5W-E				
SUPERLINK II interface			SC-ADNA-E				
Anti-draft panel			TC-PSAE-5AW-E (honeycomb) / TC-PSAGE-5AW-E (linear)				

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 - - Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling of air conditioners. 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.