



# SINGLE-SPLIT 4WAY CEILING CASSETTE TYPE

## FDTC-VH



FDTC25VH1, FDTC35VH1,  
FDTC40VH, FDTC50VH, FDTC60VH



### European Design & Flat Panel

A grille designed with a unique structure and a clean white panel that blends with the room.



Honeycomb type



Grid type

Wired remote control (option)    Wireless remote control (option)    Motion sensor (option)



RC-EX3A



RC-E5



RCH-E3



RCN-TC-5AW -E3



LB-TC-5W-E

### KEY FEATURES

- European grill design invented by Zweigrad GmbH & Co. KG in Germany, that blends well with the room.
- Height of the thin panel and the main body is only 248mm allowing a very easy installation. Integrated ceiling system design (600×600)
- Low Global Warming Potential (GWP) and high energy efficiency by new refrigerant R32.
- Draft Prevention Panel (optional) prevents cold/hot draft from being blown directly on the user. Draft Prevention Panel could be installed for each air outlet.
- Motion sensor (optional) is an energy saving operation function that detects human movement and saves energy.
- Noise has been reduced by adopting a new turbo fan and improving the heat exchanger.



SRC25ZS-W2, SRC35ZS-W2



SRC40ZSX-W1, SRC50ZSX-W2,  
SRC60ZSX-W1

### SPECIFICATIONS

Indoor unit				FDTC25VH1	FDTC35VH1	FDTC40VH	FDTC50VH	FDTC60VH
Outdoor unit				SRC25ZS-W2	SRC35ZS-W2	SRC40ZSX-W1	SRC50ZSX-W2	SRC60ZSX-W1
Power source				1 Phase, 220 - 240V, 50Hz				
Nominal cooling capacity (Min~Max)			kW	2.5 ( 0.9~ 3.2 )	3.5 ( 0.9 ~ 4.3 )	4.0 ( 1.1 ~ 4.7 )	5.0 ( 1.1 ~ 5.6 )	5.6 ( 1.1 ~ 6.3 )
Nominal heating capacity (Min~Max)			kW	2.9 ( 0.9 ~ 4.0 )	4.25 ( 0.9 ~ 4.6 )	4.5 ( 0.6 ~ 5.4 )	5.4 ( 0.6 ~ 6.3 )	6.7 ( 0.6 ~ 6.7 )
Power consumption		Cooling/Heating	kW	0.61 / 0.71	0.91 / 1.15	0.98 / 1.13	1.40 / 1.53	1.73 / 2.14
EER/COP		Cooling/Heating		4.10 / 4.08	3.85 / 3.70	4.08 / 3.98	3.58 / 3.53	3.23 / 3.13
Max. running current			A	9	9	15	15	15
Sound power level	Indoor	Cooling/Heating	dB(A)	51 / 52	52 / 53	59 / 59	59 / 59	60 / 60
	Outdoor	Cooling/Heating		58 / 59	62 / 62	63 / 62	63 / 62	65 / 65
Sound pressure level	Indoor	Cooling (P-Hi/Hi/Me/Lo)		38 / 34 / 30 / 27	39 / 36 / 32 / 29	44 / 40 / 35 / 27	44 / 40 / 35 / 27	46 / 42 / 38 / 31
		Heating (P-Hi/Hi/Me/Lo)		39 / 36 / 32 / 28	41 / 38 / 34 / 30	44 / 40 / 35 / 27	44 / 40 / 35 / 27	46 / 42 / 38 / 31
Air flow	Indoor	Cooling/Heating	m³/min	47 / 47	50 / 50	52 / 50	52 / 50	53 / 54
		Cooling (P-Hi/Hi/Me/Lo)		8.5 / 7.5 / 7.0 / 6.0	9.0 / 8.0 / 7.5 / 6.5	13 / 11 / 9 / 7	13 / 11 / 9 / 7	14 / 12 / 10 / 8
		Heating (P-Hi/Hi/Me/Lo)		9.5 / 8.5 / 7.5 / 6.5	10.0 / 9.0 / 8.0 / 7.0	13 / 11 / 9 / 7	13 / 11 / 9 / 8	14 / 12 / 10 / 8
	Outdoor	Cooling/Heating		27.4 / 27.4	31.5 / 31.5	33 / 33	39 / 33	41.5 / 39
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	Unit : 248 x 570 x 570    Panel : 10 x 620 x 620				
	Outdoor			540 x 780(+62) x 290		640 x 800(+71) x 290		
Net weight	Indoor		kg	16.0 (Unit : 13.5    Panel : 2.5 )		16.5 (Unit : 14    Panel : 2.5 )		
	Outdoor			31.0	34.5	45.0		
Refrigerant		Type/GWP		R32 / 675				
		Charge	kg/TCO <sub>2</sub> Eq	0.62 / 0.419	0.78 / 0.527	1.30 / 0.878		
Refrigerant piping size		Liquid/Gas	ø mm	6.35(1/4") / 9.52(3/8")			6.35(1/4") / 12.7(1/2")	
Refrigerant line (one way) length [chargeless length]			m	Max. 20 [15]			Max. 30 [15]	
Vertical height differences			Outdoor is higher/lower	m	Max. 10 / Max.10			Max. 20 / Max.20
Outdoor operating temperature range		Cooling	°CDB	-15~46				
		Heating		-15~24		-20~24		
Panel								
Standard Panel : TC-PSA-5AW-E(Honeycomb), TC-PSAG-5AW-E(Grid) Draft Prevention Panel : TC-PSAE-5AW-E(Honeycomb), TC-PSAGE-5AW-E(Grid)								

\* The data are measured under the following conditions(ISO-T1, H1). Cooling: Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating: Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.

\* Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.

\* 'tonne(s) of CO<sub>2</sub> equivalent' means a quantity of greenhouse gases- expressed as the product of the weight of the greenhouse gases in metric tonnes and of their global warming potential.