



SINGLE-SPLIT 4WAY CEILING CASSETTE TYPE

FDTC-VH

NEW



FDTC25VH1, FDTC35VH1,
FDTC40VH, FDTC50VH, FDTC60VH

Draft Prevention Panel (Option)



FDTC-VH series can be selected for use as indoor units in the combination with SCM Multi system outdoor unit. (except 40VH)

European Design & Flat Panel

Integrated ceiling system design (600×600)

A grille designed with a unique structure and a clean white panel that blends with the room. This design was invented by zweigrad GmbH & Co. KG in Germany.



Draft Prevention Panel (Option)

Draft Prevention Panel prevents cold/hot draft being blown directly on the user. It is possible to set Draft Prevention Panel for each air outlet.

Motion Sensor (Option)

Motion sensor is equipped in the corner of the panel and detects the presence/absence and activity of humans in a room to improve the comfort and energy saving performance of the unit.



LB-TC-5W-E

Wired remote control (option)



RC-EX3A



RC-E5



RCH-E3

Wireless remote control (option)



RCN-TC-5AW-E2



SRC25ZS-W1, SRC35ZS-W1



SRC40ZSX-W1, SRC50ZSX-W1,
SRC60ZSX-W1

FUNCTIONS

Energy saving



Air flow



Comfort



Timer



Convenience



Others



• When using wired remote control (RC-EX3A) ※ Option

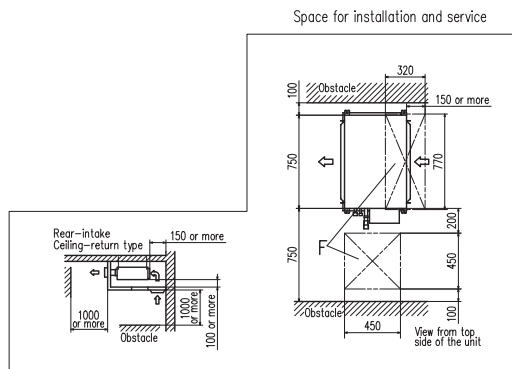
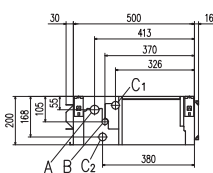
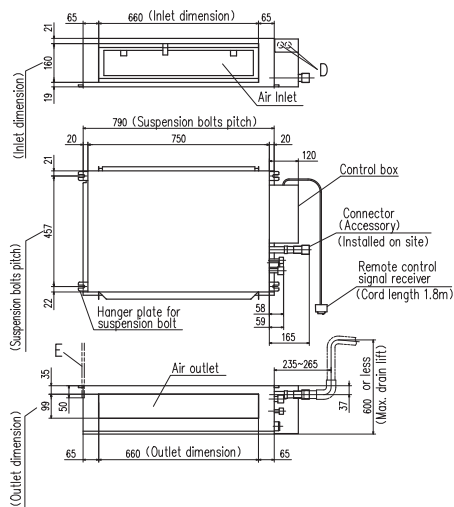
SPECIFICATIONS

Indoor unit				FDTC25VH1	FDTC35VH1	FDTC40VH	FDTC50VH	FDTC60VH
Outdoor unit				SRC25ZS-W1	SRC35ZS-W1	SRC40ZSX-W1	SRC50ZSX-W1	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
	Outdoor	Cooling/Heating		47 / 47	50 / 50	52 / 50	52 / 50	53 / 54
Air flow	Indoor	Cooling (P-Hi/Hi/Me/Lo)		m³/min	8.5 / 7.5 / 7.0 / 6.0	9.0 / 8.0 / 7.5 / 6.5	13 / 11 / 9 / 7	13 / 11 / 9 / 7
		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	39 / 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 ₂ 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			m	Max. 20			Max. 30	
Vertical height differences			m	Max. 10 / Max.10			Max. 20 / Max.20	
Outdoor operating temperature range		Cooling	°C	-15~46				
		Heating		-15~24		-20~24		
Panel				TC-PSA-5AW-E, TC-PSAE-5AW-E				

• 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 CO₂ 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.

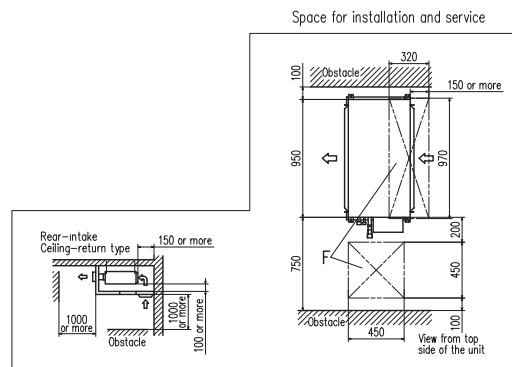
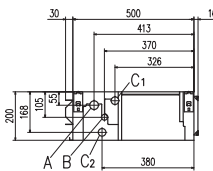
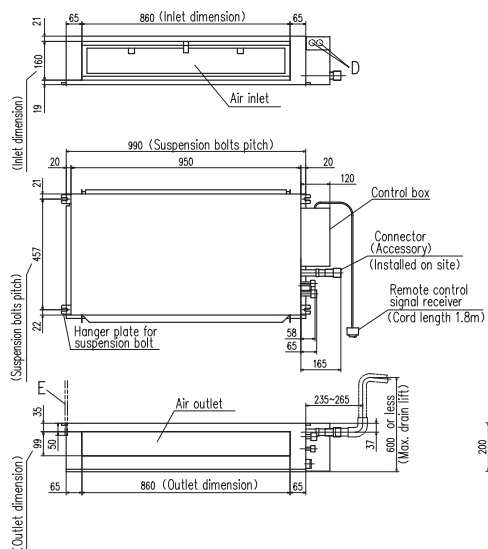
DIMENSIONS (Unit: mm)

SRR25ZS-W SRR35ZS-W SRR25ZM-S SRR35ZM-S



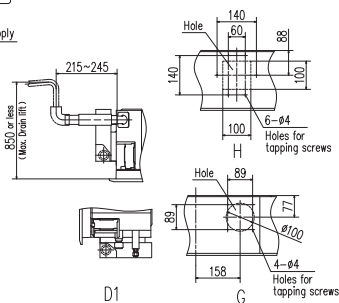
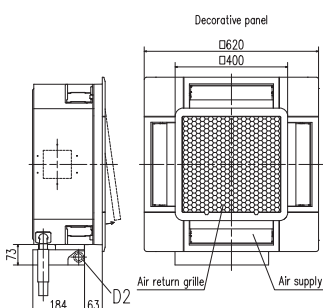
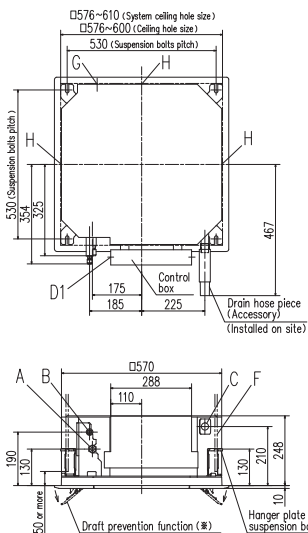
Symbol	Model	Content
		25,35
A	Gas piping	ø9.52 (3/8") (Flare)
B	Liquid piping	ø6.35 (1/4") (Flare)
C1	Drain piping	VP25 (L.D.25, 0.D.32) (Used with attached connector)
C2	Drain piping (Gravity drainage)	VP25 (L.D.25, 0.D.32) (Used with attached connector)
D	Hole for wiring	ø25 x 2
E	Suspension bolts	(M10)
F	Inspection hole	(450X450), (370X770)

SRR50ZS-W SRR60ZS-W SRR50ZM-S SRR60ZM-S



Symbol	Model	Content
A	Gas piping	612.7 (1/2") (Flare)
B	Liquid piping	66.35 (1/4") (Flare)
C1	Drain piping	VP25 (I.D.25, O.D.32) (Used with attached connector)
C2	Drain piping (Gravity drainage)	VP25 (I.D.25, O.D.32) (Used with attached connector)
D	Hole for wiring	25 x 2
E	Suspension bolts	(M10)
F	Inspection hole	(450x450), (320x970)

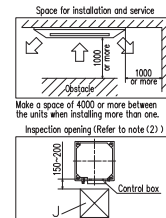
FDTC25VH1 FDTC35VH1 FDTC40VH FDTC50VH FDTC60VH



Notes

- (1) The model name label is attached to the control box lid.
- (2) This unit is designed for 2x2 grid ceiling.
If it is installed on a ceiling other than 2x2 grid ceiling,
provide an inspection opening on the control box side.
- (3) Draft prevention function (※) is provided on the panel TC-PSAE-5AW-E only.

Symbol	Content
A	Gas piping 25-35 #9.52(3/8") (Flare) 40-60 #12.7(1/2") (Flare)
B	Liquid piping #6.35(1/4") (Flare)
C	Drain piping VP25 (O.D.32)
D1	Power supply connection
D2	Remote control code and signal wiring connection
F	Suspension bolts (M10 or M8)
G	Outside air opening for ducting (Knock out)
H	Air outlet opening for ducting #125 (Knock out)
J	Inspection opening 450X450



Indoor unit		SRK35ZSP-W	SRK45ZSP-W	SRR25ZS-W	SRR35ZS-W	FDTC25VH1	FDTC35VH1	FDTC40VH
Outdoor unit		SRC35ZSP-W	SRC45ZSP-W	SRC25ZS-W1	SRC35ZS-W1	SRC25ZS-W1	SRC35ZS-W1	SRC40ZSX-W1
Energy class (cooling/heating)		A++/A+	A++/A+	A++/A+	A++/A+	A++/A+	A++/A++	A++/A+
SEER		7.30	6.30	6.60	6.80	6.80	7.10	6.94
SCOP (Average climate)		4.40	4.20	4.10	4.50	4.00	4.60	4.37
Pdesign (cooling/heating(@-10°C))	kW	3.20/3.00	4.50/3.80	2.50/2.50	3.50/3.10	2.50/2.40	3.50/2.90	4.0/4.0
Annual electricity consumption (cooling/heating)	kWh/a	155/955	251/1269	133/853	181/966	129/840	173/883	202/1283
Designated heating season		Average						

Indoor unit		FDTC50VH	FDTC60VH	SRK20ZSX-S	SRK25ZSX-S	SRK35ZSX-S	SRK50ZSX-S	SRK60ZSX-S
Outdoor unit		SRC50ZSX-W1	SRC60ZSX-W1	SRC20ZSX-S	SRC25ZSX-S	SRC35ZSX-S	SRC50ZSX-S	SRC60ZSX-S
Energy class (cooling/heating)		A++/A+	A++/A+	A+++/A+++	A+++/A+++	A+++/A+++	A++/A++	A++/A++
SEER		6.52	6.45	9.50	9.60	9.20	8.20	7.60
SCOP (Average climate)		4.30	4.10	5.20	5.20	5.10	4.70	4.70
Pdesign (cooling/heating(@-10°C))	kW	5.0/4.3	5.6/5.1	2.00/2.70	2.50/2.90	3.50/3.30	5.00/4.50	6.10/5.20
Annual electricity consumption (cooling/heating)	kWh/a	269/1401	304/1744	74/728	92/781	134/906	214/1341	282/1551
Designated heating season		Average						

Indoor unit		SRK63ZR-S	SRK71ZR-S	SRK80ZR-S	SRK100ZR-S	SRK20ZS-S,-SB,-ST	SRK25ZS-S,-SB,-ST	SRK35ZS-S,-SB,-ST
Outdoor unit		SRC63ZR-S	SRC71ZR-S	SRC80ZR-S	FDC100VNP	SRC20ZS-S	SRC25ZS-S	SRC35ZS-S
Energy class (cooling/heating)		A++/A++	A++/A+	A++/A+	A++/A+	A++/A++	A++/A++	A++/A++
SEER		7.60	7.20	6.60	6.60	7.80	7.80	7.80
SCOP (Average climate)		4.70	4.50	4.40	4.40	4.60	4.60	4.60
Pdesign (cooling/heating(@-10°C))	kW	6.30/5.40	7.10/6.60	8.00/7.10	10.0/7.20	2.00/2.40	2.50/2.50	3.50/2.80
Annual electricity consumption (cooling/heating)	kWh/a	291/1610	346/2055	425/2261	531/2289	90/732	113/762	158/852
Designated heating season		Average						

Indoor unit		SRK50ZS-S,-SB,-ST	SRK25ZSP-S	SRK35ZSP-S	SRK45ZSP-S	SRF25ZMX-S	SRF35ZMX-S	SRF50ZMX-S
Outdoor unit		SRC50ZS-S	SRC25ZSP-S	SRC35ZSP-S	SRC45ZSP-S	SRC25ZMX-S	SRC35ZMX-S	SRC50ZSX-S
Energy class (cooling/heating)		A++/A+	A/A	A++/A+	A/A	A++/A+	A++/A+	A++/A
SEER		6.26	5.50	6.15	5.38	7.11	6.75	6.12
SCOP (Average climate)		4.20	3.80	4.00	3.81	4.37	4.26	3.87
Pdesign (cooling/heating(@-10°C))	kW	5.00/3.90	2.50/2.80	3.20/3.00	4.50/3.80	2.50/3.00	3.50/3.30	5.00/4.80
Annual electricity consumption (cooling/heating)	kWh/a	280/1300	160/1033	183/1052	293/1398	123/961	182/1085	286/1736
Designated heating season		Average						

Indoor unit		SRR25ZM-S	SRR35ZM-S	FDTC25VF	FDTC35VF	FDTC40VF	FDTC50VF	FDTC60VF
Outdoor unit		SRC25ZMX-S	SRC35ZMX-S	SRC25ZMX-S	SRC35ZMX-S	SRC40ZSX-S	SRC50ZSX-S	SRC60ZSX-S
Energy class (cooling/heating)		A++/A+	A++/A+	A++/A+	A++/A+	A++/A	A+/A	A+/A
SEER		6.43	6.33	6.10	6.12	6.53	6.01	5.76
SCOP (Average climate)		4.08	4.02	4.13	4.15	3.96	3.85	3.80
Pdesign (cooling/heating(@-10°C))	kW	2.50/3.30	3.50/3.55	2.55/3.10	3.60/3.60	4.00/4.00	5.00/4.80	5.60/5.90
Annual electricity consumption (cooling/heating)	kWh/a	136/1133	194/1238	147/1050	207/1215	215/1416	291/1745	341/2172
Designated heating season		Average						

Multi-split System

Indoor unit		SRK20ZSX-W x 2	SRK20ZSX-W SRK25ZSX-W	SRK20ZSX-W x 3		SRK20ZSX-W x 4	
Outdoor unit		SCM40ZS-W	SCM45ZS-W	SCM50ZS-W	SCM60ZS-W	SCM71ZS-W	SCM80ZS-W
Energy class (cooling/heating)		A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++
SEER		9.10	9.10	8.80	8.80	8.30	8.20
SCOP (Average climate)		4.70	4.70	4.60	4.60	4.60	4.60
Pdesign (cooling/heating(@-10°C))	kW	4.00/4.10	4.50/4.10	5.00/4.70	6.00/4.70	7.10/6.70	8.00/6.70
Annual electricity consumption (cooling/heating)	kWh/a	154/1222	174/1222	199/1430	239/1430	300/2038	342/2038
Designated heating season		Average					

Indoor unit		SRK20ZSX-S x 2	SRK20ZSX-S SRK25ZSX-S	SRK20ZSX-S x 3		SRK20ZSX-S x 4		SRK20ZSX-S x 5	SRK25ZS-S+ SRK35ZS-S x 3
Outdoor unit		SCM40ZS-S	SCM45ZS-S	SCM50ZS-S1	SCM60ZM-S1	SCM71ZM-S1	SCM80ZM-S1	SCM100ZM-S	SCM125ZM-S*
Energy class (cooling/heating)		A++/A+	A++/A+	A++/A+	A++/A+	A++/A+	A++/A+	A/A+	-
SEER		6.31	6.43	6.80	6.80	7.20	7.10	5.10	5.61
SCOP (Average climate)		4.05	4.11	4.40	4.20	4.20	4.20	4.02	4.11
Pdesign (cooling/heating(@-10°C))	kW	4.00/3.30	4.50/4.10	5.00/4.90	6.00/7.30	7.10/8.10	8.00/8.20	10.00/10.10	-
Annual electricity consumption (cooling/heating)	kWh/a	222/1140	245/1396	258/1559	309/2435	346/2700	395/2733	687/3519	-
Designated heating season		Average							

*SEER/SCOP are based on EN14825:2016 and Commission regulation (EU) No.2016/2281.