(2) 4-way ceiling cassette type (FDTC)

Item			Model	FDTC25VH1	
				Indoor unit **FDTC25VH1**	Outdoor unit **SRC25ZS-W1**
Power source				1 Phase, 220 - 240V, 50Hz	
Operation data	Nominal cooling capacity (range)		kW	2.5 (0.9 (Min.) - 3.2 (Max.))	
	Nominal heating capacity (range)		kW	2.9 (0.9 (Min.) - 4.0 (Max.))	
	Heating capacity (H2)		kW	—	
	Power consumption	Cooling	kW	0.61 (0.18 - 0.98)	
		Heating		0.71 (0.19 - 1.31)	
		Heating (H2)		—	
	Max power consumption			1.65	
	Running current	Cooling	A	3.2 / 3.1 / 3.0 (220/ 230/ 240 V)	
		Heating		3.6 / 3.4 / 3.3 (220/ 230/ 240 V)	
	Inrush current, max current			3.6 / 3.4 / 3.3 (220/ 230/ 240V) Max. 9	
	Power factor	Cooling	%	86	
		Heating		90	
	EER	Cooling		4.10	
	COP	Heating		4.08	
		Heating (H2)		—	
	Sound power level	Cooling	dB(A)	51	58
		Heating		52	59
	Sound pressure level	Cooling		P-Hi: 38 Hi: 34 Me: 30 Lo: 27	47
		Heating		P-Hi: 39 Hi: 36 Me: 32 Lo: 28	47
	Silent mode sound pressure level			—	Cooling:41 / Heating:42
Exterior dimensions (Height x Width x Depth)			mm	Unit 248 x 570 x 570 Panel 10 x 620 x 620	540 x 780(+62) x 290
Exterior appearance (Equivalent color : Munsell, RAL)				Fine snow (8.0Y 9.3/0.1) near equivalent	Stucco white (4.2Y 7.5/1.1) , (7044)
Net weight			kg	Unit 13.5 Panel 2.5	31.0
Compressor type & Quantity				—	RM-C5077SBE71(Rotary type) x 1
Compressor motor (Starting method)			kW	—	0.75 (Inverter driven)
Refrigerant oil (Amount, type)			L	—	0.30 (DIAMOND FREEZE MB75)
Refrigerant (Type, amount, pre-charge length)			kg	R32 0.62 in outdoor unit (Incl. the amount for the piping of 15m)	
Heat exchanger				Louver fins & inner grooved tubing	M fins & inner grooved tubing
Refrigerant control				Capillary tubes + Electronic expansion valve	
Fan type & Quantity				Tangential fan x 1	Propeller fan x 1
Fan motor (Starting method)			W	50 (Direct line start)	24 x1 (Direct drive)
Air flow		Cooling	m^3/min	P-Hi: 8.5 Hi: 7.5 Me: 7.0 Lo: 6.0	27.4
		Heating		P-Hi: 9.5 Hi: 8.5 Me: 7.5 Lo: 6.5	27.4
Available external static pressure			Pa	0	0
Outside air intake				Possible	—
Air filter, Quality / Quantity				Pocket plastic net x 1 (Washable)	—
Shock & vibration absorber				Rubber sleeve (for fan motor)	Rubber sleeve (for fan motor & compressor)
Electric heater				—	—
Operation control	Remote control			(Option) Wired: RC-EX3A, RC-E5, RCH-E3 Wireless: RCN-TC-5AW-E2	
	Room temperature control			Thermostat by electronics	
	Operation display			—	
Safety equipments				Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Indoor fan motor error protection, Heating overload protection(High pressure control), Cooling overload protection	
Installation data	Refrigerant piping size (O.D.)		mm	Liquid line: ϕ6.35 (1/4") Gas line: ϕ 9.52 (3/8")	
	Connecting method			Flare connection	Flare connection
	Attached length of piping		m	—	—
	Insulation for piping			Necessary (Both sides), independent	
	Refrigerant line (one way) length		m	Max.20	
	Vertical height diff. between O/U and I/U		m	Max.10 (Outdoor unit is higher) / Max.10 (Outdoor unit is lower)	
	Drain hose			Hose connectable with VP25 (O.D.32)	Hole size ϕ20 x 2 pcs
Drain pump, max lift height			mm	Built-in drain pump, 850	—
Recommended breaker size			A	16	
L.R.A. (Locked rotor ampere)			A	3.7 / 3.6 / 3.4 (220/ 230/ 240V)	
Interconnecting wires		Size x Core number		1.5mm^2 x 4 cores (Including earth cable) / Terminal block (Screw fixing type)	
IP number				IPX0	IPX4
Standard accessories				Mounting kit, Drain hose	
Option parts				OA spacer : TC-OAS-E2, TC-OAD-E, Motion sensor : LB-TC-5W-E	

Notes (1) The data are measured at the following conditions.

The pipe length is 5m.

Item / Operation	Indoor air temperature DB	Indoor air temperature WB	Outdoor air temperature DB	Outdoor air temperature WB	Standards
Cooling	27℃	19℃	35℃	24℃	ISO5151-T1
Heating	20℃	—	7℃	6℃	ISO5151-H1
Heating (H2)	20℃	—	2℃	1℃	ISO5151-H2

(2) This air-conditioner is manufactured and tested in conformity with the ISO.
(3) Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.
(4) Select the breaker size according to the own national standard.

Item			Model	FDTC35VH1	
				Indoor unit **FDTC35VH1**	Outdoor unit **SRC35ZS-W1**
Power source				1 Phase, 220 - 240V, 50Hz	
Operation data	Nominal cooling capacity (range)		kW	3.5 (0.9 (Min.) - 4.3 (Max.))	
	Nominal heating capacity (range)		kW	4.25 (0.9 (Min.) - 4.6 (Max.))	
	Heating capacity (H2)		kW	—	
	Power consumption	Cooling	kW	0.91 (0.18 - 1.37)	
		Heating		1.15 (0.19 - 1.33)	
		Heating (H2)		—	
	Max power consumption			1.65	
	Running current	Cooling	A	4.4 / 4.3 / 4.1 (220/ 230/ 240 V)	
		Heating		5.5 / 5.3 / 5.0 (220/ 230/ 240 V)	
	Inrush current, max current			5.5 / 5.3 / 5.0 (220/ 230/ 240V) Max. 9	
	Power factor	Cooling	%	93	
		Heating		95	
	EER	Cooling		3.85	
	COP	Heating		3.70	
		Heating (H2)		—	
	Sound power level	Cooling	dB(A)	52	62
		Heating		53	62
	Sound pressure level	Cooling		P-Hi: 39 Hi: 36 Me: 32 Lo: 29	50
		Heating		P-Hi: 41 Hi: 38 Me: 34 Lo: 30	50
	Silent mode sound pressure level			—	Cooling:45 / Heating:43
Exterior dimensions (Height x Width x Depth)			mm	Unit 248 x 570 x 570 Panel 10 x 620 x 620	540 x 780(+62) x 290
Exterior appearance (Equivalent color : Munsell, RAL)				Fine snow (8.0Y 9.3/0.1) near equivalent	Stucco white (4.2Y 7.5/1.1) , (7044)
Net weight			kg	Unit 13.5 Panel 2.5	34.5
Compressor type & Quantity				—	RM-B5077SBE2(Rotary type) x 1
Compressor motor (Starting method)			kW	—	0.90 (Inverter driven)
Refrigerant oil (Amount, type)			L	—	0.30 (DIAMOND FREEZE MB75)
Refrigerant (Type, amount, pre-charge length)			kg	R32 0.78 in outdoor unit (Incl. the amount for the piping of 15m)	
Heat exchanger				Louver fins & inner grooved tubing	M fins & inner grooved tubing
Refrigerant control				Capillary tubes + Electronic expansion valve	
Fan type & Quantity				Tangential fan x 1	Propeller fan x 1
Fan motor (Starting method)			W	50 (Direct line start)	24 x1 (Direct drive)
Air flow		Cooling	m^3/min	P-Hi: 9.0 Hi: 8.0 Me: 7.5 Lo: 6.5	31.5
		Heating		P-Hi: 10.0 Hi: 9.0 Me: 8.0 Lo: 7.0	31.5
Available external static pressure			Pa	0	0
Outside air intake				Possible	—
Air filter, Quality / Quantity				Pocket plastic net x 1 (Washable)	—
Shock & vibration absorber				Rubber sleeve (for fan motor)	Rubber sleeve (for fan motor & compressor)
Electric heater				—	—
Operation control	Remote control			(Option) Wired: RC-EX3A, RC-E5, RCH-E3 Wireless: RCN-TC-5AW-E2	
	Room temperature control			Thermostat by electronics	
	Operation display			—	
Safety equipments				Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Indoor fan motor error protection, Heating overload protection(High pressure control), Cooling overload protection	
Installation data	Refrigerant piping size (O.D.)		mm	Liquid line: ϕ6.35 (1/4") Gas line: ϕ 9.52 (3/8")	
	Connecting method			Flare connection	Flare connection
	Attached length of piping		m	—	—
	Insulation for piping			Necessary (Both sides), independent	
	Refrigerant line (one way) length		m	Max.20	
	Vertical height diff. between O/U and I/U		m	Max.10 (Outdoor unit is higher) / Max.10 (Outdoor unit is lower)	
	Drain hose			Hose connectable with VP25 (O.D.32)	Hole size ϕ20 x 2 pcs
Drain pump, max lift height			mm	Built-in drain pump, 850	—
Recommended breaker size			A	16	
L.R.A. (Locked rotor ampere)			A	4.6 / 4.4 / 4.2 (220/ 230/ 240V)	
Interconnecting wires		Size x Core number		1.5mm^2 x 4 cores (Including earth cable) / Terminal block (Screw fixing type)	
IP number				IPX0	IPX4
Standard accessories				Mounting kit, Drain hose	
Option parts				OA spacer : TC-OAS-E2, TC-OAD-E, Motion sensor : LB-TC-5W-E	

Notes (1) The data are measured at the following conditions.

The pipe length is 5m.

Item / Operation	Indoor air temperature DB	Indoor air temperature WB	Outdoor air temperature DB	Outdoor air temperature WB	Standards
Cooling	27℃	19℃	35℃	24℃	ISO5151-T1
Heating	20℃	—	7℃	6℃	ISO5151-H1
Heating (H2)	20℃	—	2℃	1℃	ISO5151-H2

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