

MULTI-SPLIT SYSTEM

MULTI-SPLIT SCM

The Multi DC Inverter range is an innovative Multi-split systems from Mitsubishi Heavy Industries Thermal Systems which offers the perfect answer for air conditioning comfort in several environments. An outdoor unit can air condition up to 6 different rooms. Utilising a range of compact and elegant indoor units that are available in 6 different types make air conditioning in any indoor environment possible. The whole range is characterised by high flexibility, high energy efficiency and extremely low noise levels.



FDTC
4way Ceiling
Cassette type



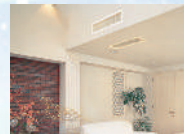
FDE
Ceiling
Suspended type



SRK/SKM
Wall
Mounted type



SRF
Floor
Standing type



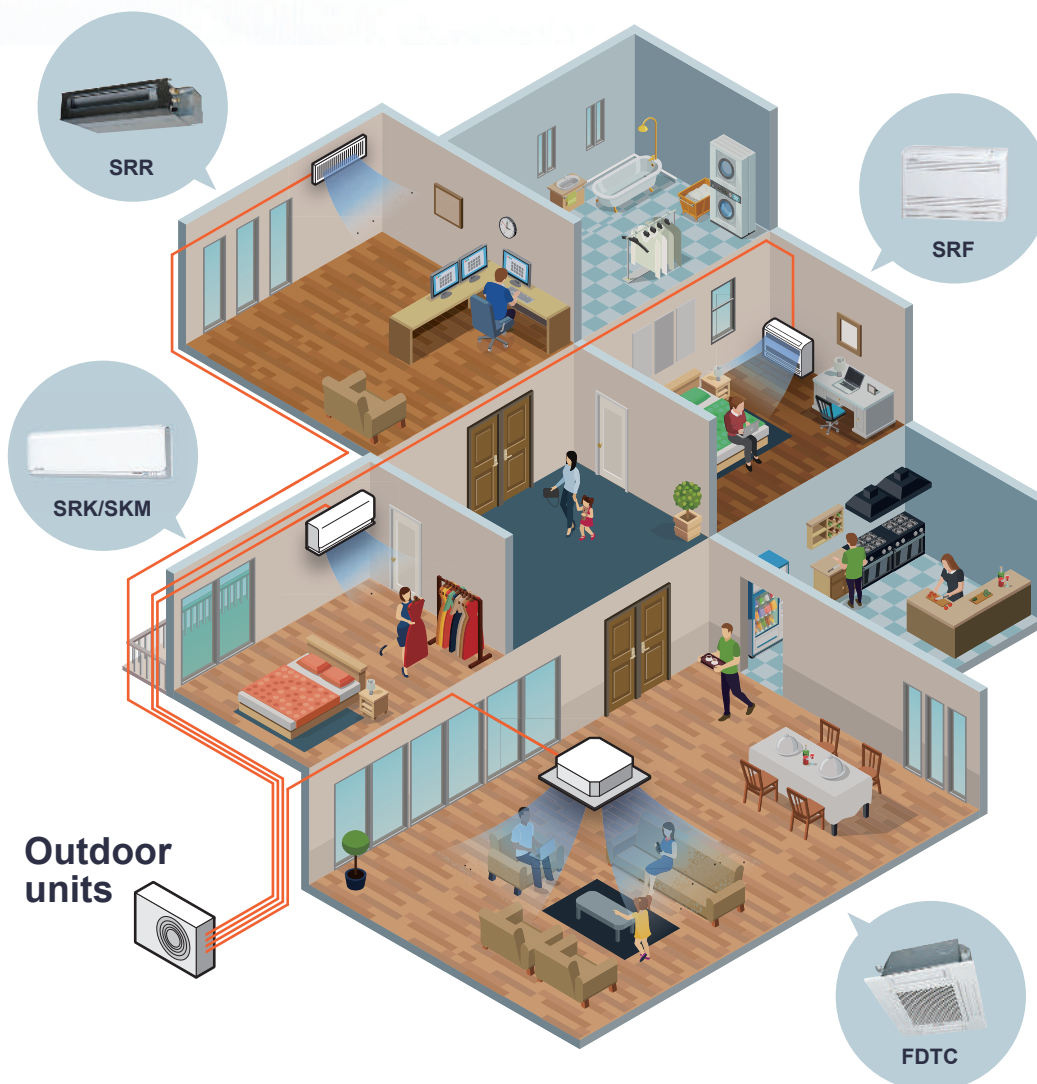
SRR
Ceiling
Concealed type



FDUM
Duct
Connected type



A wide variety of choices for indoor units





MULTI-SPLIT SYSTEM

Various line up of High energy efficient models

The small capacity models have been newly added to the energy efficient R32 lineup.
The newly added models is connectable to small capacity indoor units for 2~3 rooms



New! SCM30ZS-W
SCM40ZS-W
SCM45ZS-W



New! SCM41ZS-W
SCM50ZS-W
SCM60ZS-W



SCM71ZS-W
SCM80ZS-W

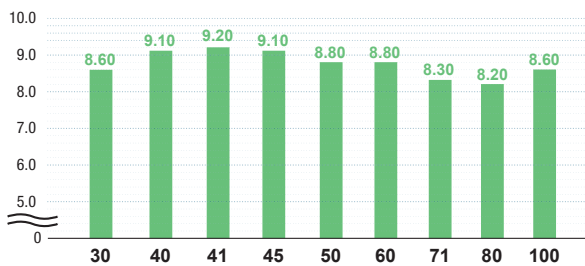


SCM100ZS-W

Higher efficiency

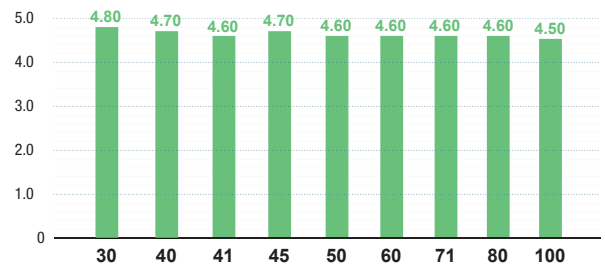
SEER in Cooling

A+++ (except 71/80ZS-W)



SCOP in Heating

A++ (except 100ZS-W)

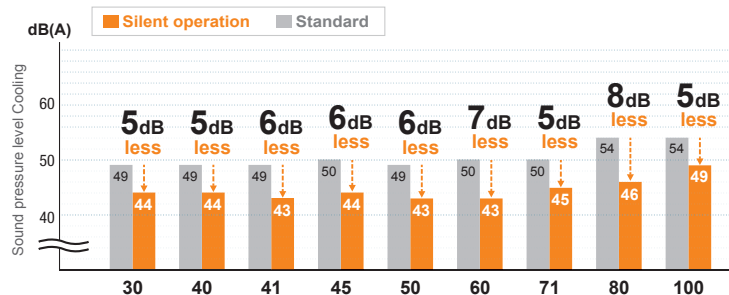


* The above values are based on indoor units combination with SRK-ZSX-W only. SCM30ZS-W, SCM41ZS-W and SCM100ZS-W are calculated in the combination with SRK-ZS-W.

Comfort

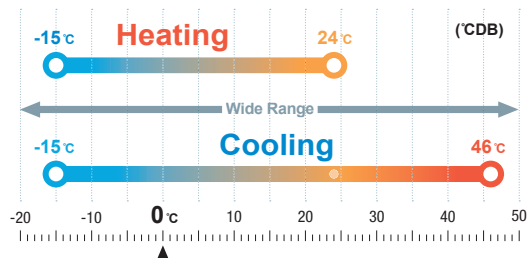
By the application of the Twin Rotary compressor*, the outdoor units have low noise levels.
Silent operation is installed in all outdoor units.

* except 30/41ZS-W



Wide Range of Operation

Our new advanced technology has expanded the heating and cooling operation range.
Expand the cooling range of all model to 46°C.



Installation Flexibility

You are given greater freedom to decide where the indoor units will be installed to optimise interior space and convenience.

	SCM30ZS-W	SCM40/45ZS-W	SCM41/50/60ZS-W	SCM71/80ZS-W	SCM100ZS-W
length for one indoor unit	under 25m	under 25m	under 25m	under 25m	under 25m
total length for all rooms	under 30m	under 30m	under 40m	under 70m	under 75m
height difference	lower installation spot of the indoor unit	under 15m	under 15m	under 20m	under 20m
	upper installation spot of the indoor unit	under 15m	under 15m	under 20m	under 20m
	maximum height difference of the indoor units	under 25m	under 25m	under 25m	under 25m
length of chargeless refrigerant pipe	30m	20m	40m	30m	40m

SPECIFICATIONS

Item		Model	For two rooms			For three rooms		
			SCM30ZS-W	SCM40ZS-W	SCM45ZS-W	SCM41ZS-W	SCM50ZS-W	SCM60ZS-W
Power Source			1Phase, 220 - 240V, 50Hz					
Nominal cooling capacity (Min~Max)		kW	3.0(1.4~5.0)	4.0(1.5~5.9)	4.5(1.5~6.4)	4.0(1.4~6.3)	5.0(1.7~7.1)	6.0(1.7~7.5)
Nominal heating capacity (Min~Max)		kW	4.0(1.0~5.7)	4.5(1.0~6.3)	5.3(1.0~6.5)	4.5(1.0~6.9)	6.0(1.0~7.5)	6.8(1.0~7.8)
Power Consumption	Cooling	kW	0.52(0.32~1.60)	0.80(0.34~2.10)	0.96(0.34~2.30)	0.72(0.32~1.65)	1.02(0.43~2.15)	1.32(0.43~2.28)
	Heating	kW	0.74(0.25~1.49)	0.83(0.25~1.48)	1.06(0.25~1.48)	0.81(0.25~1.58)	1.16(0.32~2.50)	1.40(0.32~2.80)
EER	Cooling		5.77	5.00	4.69	5.56	4.90	4.55
COP	Heating		5.41	5.42	5.00	5.56	5.17	4.86
Max. running current		A	14	14	14	15	15	15
Sound power level	Cooling	dB(A)	62	62	63	62	62	62
	Heating	dB(A)	64	64	65	64	64	64
Sound pressure level	Cooling	dB(A)	49	49	50	49	49	50
	Heating	dB(A)	51	51	52	52	52	52
Air flow	Cooling	m³/min	32.5	32.5	32.5	41.0	41.0	41.0
	Heating		32.5	32.5	32.5	41.0	41.0	41.0
Exterior dimensions (H×W×D)		mm	595×780(+90)×290			640×850(+65)×290		
Net weight		kg	35.5	40.0		42.5	48.5	
Refrigerant	Type/GWP		R32/675					
	Charge	kg/TCO ₂ Eq	1.25/0.843	1.4/0.945		1.6/1.08	1.8/1.215	
Refrigerant piping size	Liquid	Φmm	6.35(1/4")×2			6.35(1/4")×3		
	Gas		9.52(3/8")×2			9.52(3/8")×3		
Outdoor operating temperature range	Cooling	°CDB	-15~46					
	Heating		-15~24					
Number of Connectable indoor units			2	2	2	Min.2~Max.3	Min.2~Max.3	Min.2~Max.3
Total indoor units capacity		kW	3.0 ~ 5.0	4.0 ~ 6.0	4.5 ~ 7.0	4.0 ~ 7.0	5.0 ~ 8.5	6.0 ~ 11.0

Item	Model	For four rooms		For five rooms
		SCM71ZS-W	SCM80ZS-W	SCM100ZS-W
Power Source		1Phase, 220 - 240V, 50Hz		
Nominal cooling capacity (Min~Max)	kW	7.1(1.8~8.8)	8.0(1.8~9.2)	10.0(1.7~11.5)
Nominal heating capacity (Min~Max)	kW	8.6(1.1~9.4)	9.3(1.1~9.8)	10.5(0.9~11.5)
Power Consumption	Cooling	kW	1.42(0.48~2.75)	2.70(0.48~3.65)
	Heating	kW	1.75(0.35~3.00)	2.38(0.37~2.90)
EER	Cooling		5.00	4.71
COP	Heating		4.91	4.77
Max. running current	A	20	20	21
Sound power level	Cooling	dB(A)	63	66
	Heating	dB(A)	67	72
Sound pressure level	Cooling	dB(A)	50	54
	Heating	dB(A)	54	59
Air flow	Cooling	m ³ /min	50.0	75.0
	Heating	m ³ /min	56.0	75.0
Exterior dimensions (H×W×D)	mm	750×880(+73)×340		945×970×370
Net weight	kg	61.0		73.0
Refrigerant	Type/GWP	R32/675		
	Charge	kg/TCO ₂ Eq	2.55/1.721	2.98/2.012
Refrigerant piping size	Liquid	Φmm	6.35(1/4")×4	6.35(1/4")×5
	Gas	Φmm	9.52(3/8")×4	9.52(3/8")×5
Outdoor operating temperature range	Cooling	°CDB	-15~46	
	Heating	°CDB	-15~24	
Number of Connectable indoor units		Min.2~Max.4	Min.2~Max.4	Min.2~Max.5*
Total indoor units capacity	kW	7.0 ~ 12.5	8.0 ~ 13.5	9.0 ~ 16.0*

* 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.

* Only the following combinations are possible. The total connecting capacity of indoor units should be between 90 ~ 160.

[2 indoor units can be connectable]

- Includes 1 or more SRK-ZR
- SRK-ZSX x 2
- SRK-ZSX + FDE50
- SRK-ZSX + SRF35,50
- FDE50 + SRF50

[5 indoor unit can be connectable]

Only the following A and B combinations are possible.

A. The total number of (SRK-ZSX, SRF 35,50, FDE 50) is 4 or less.

5 units can be connected by connecting other indoor units.

Example: ZSX x 4 + ZS x 1 are possible.

B. When connecting 146 - 160, the following combinations are not applicable.

Indoor unit combination: Total 151(20+20+20+20+71), Total 160(20+20+20+20+80),

Total 156 (20+20+20+25+71), Total 160 (20+20+20+50+50).

[3 or 4 indoor unit can be connectable]

- No limitation



MULTI-SPLIT SYSTEM

INDOOR UNITS SPECIFICATION FOR MULTI COMBINATIONS

Wall Mounted

SRK-ZSX



Item		Model	SRK20ZSX-WF*, -W	SRK25ZSX-WF*, -W	SRK35ZSX-WF*, -W	SRK50ZSX-WF*, -W	SRK60ZSX-WF*, -W
Nominal cooling capacity		kW	2.0	2.5	3.5	5.0	6.0
Nominal heating capacity		kW	3.0	3.4	4.5	5.8	6.8
Sound power level	Cooling	dB(A)	53	55	58	59	62
	Heating	dB(A)	55	56	58	62	63
Sound pressure level	Cooling(Hi/Me/Lo/Ulo)	dB(A)	38 / 31 / 24 / 19	39 / 33 / 25 / 19	43 / 35 / 26 / 19	44 / 39 / 31 / 22	48 / 41 / 33 / 22
	Heating(Hi/Me/Lo/Ulo)	dB(A)	38 / 33 / 25 / 19	40 / 34 / 27 / 19	42 / 35 / 28 / 19	47 / 41 / 33 / 23	47 / 42 / 34 / 23
Air flow	Cooling(Hi/Me/Lo/Ulo)	m³/min	11.3 / 9.1 / 6.0 / 5.0	12.2 / 10.0 / 6.7 / 5.0	13.1 / 10.8 / 7.3 / 5.0	14.3 / 12.4 / 7.8 / 5.4	16.3 / 13.4 / 8.9 / 5.4
	Heating(Hi/Me/Lo/Ulo)		12.2 / 10.3 / 7.2 / 5.4	12.8 / 11.0 / 7.8 / 5.4	13.9 / 11.8 / 8.6 / 5.4	17.3 / 14.3 / 9.8 / 6.2	17.8 / 13.7 / 10.9 / 6.2
Exterior dimensions (H×W×D)		mm	305×920×220				
Net weight		kg	13.0				
Refrigerant piping size	Liquid / Gas	Φmm	6.35(1/4") / 9.52(3/8")			6.35(1/4") / 12.7(1/2")	
Clean filter			Allergen Clear Filter ×1, Photocatalytic Washable Deodorising Filter×1				

* Colour variation available [-WFB] [-WFT]

Wall Mounted

SRK-ZR



Item		Model	SRK71ZR-WF, -W	SRK80ZR-WF, -W
Nominal cooling capacity		kW	7.1	8.0
Nominal heating capacity		kW	8.0	9.0
Sound power level	Cooling	dB(A)	57	60
	Heating	dB(A)	60	62
Sound pressure level	Cooling(Hi/Me/Lo/Ulo)	dB(A)	44 / 41 / 37 / 25	47 / 44 / 39 / 26
	Heating(Hi/Me/Lo/Ulo)	dB(A)	46 / 39 / 35 / 28	47 / 41 / 36 / 29
Air flow	Cooling(Hi/Me/Lo/Ulo)	m³/min	20.5 / 18.6 / 16.2 / 10.4	23.5 / 20.2 / 17.5 / 10.4
	Heating(Hi/Me/Lo/Ulo)		25.0 / 19.8 / 17.3 / 13.3	26.5 / 21.3 / 18.4 / 13.5
Exterior dimensions (H×W×D)		mm	339×1197×262	
Net weight		kg	15.5	16.5
Refrigerant piping size	Liquid / Gas	Φmm	6.35 (1/4") / 15.88 (5/8")	
Clean filter			Allergen Clear Filter ×1, Photocatalytic Washable Deodorising Filter×1	

Wall Mounted

SRK-ZS

New!



Item		Model	SRK15ZS-WF*	SRK20ZS-WF*, -W	SRK25ZS-WF*, -W	SRK35ZS-WF*, -W	SRK50ZS-WF*, -W	
Nominal cooling capacity		kW	1.5	2.0	2.5	3.5	5.0	
Nominal heating capacity		kW	2.0	3.0	3.4	4.5	5.8	
Sound power level	Cooling	dB(A)	48	48	50	54	59	
	Heating	dB(A)	50	50	53	56	60	
Sound pressure level	Cooling(Hi/Me/Lo/Ulo)	dB(A)	34 / 25 / 22 / 19	34 / 25 / 22 / 19	36 / 28 / 23 / 19	40 / 30 / 26 / 19	46 / 36 / 29 / 22	
	Heating(Hi/Me/Lo/Ulo)	dB(A)	36 / 29 / 23 / 19	36 / 29 / 23 / 19	39 / 30 / 24 / 19	41 / 36 / 25 / 19	46 / 37 / 31 / 24	
Air flow	Cooling(Hi/Me/Lo/Ulo)	m³/min	9.3 / 7.0 / 5.9 / 5.0	9.3 / 7.0 / 5.9 / 5.0	9.9 / 8.0 / 5.9 / 5.0	11.3 / 8.7 / 7.0 / 5.0	12.1 / 9.9 / 7.4 / 5.9	
	Heating(Hi/Me/Lo/Ulo)		10.0 / 8.5 / 6.5 / 5.9	10.0 / 8.5 / 6.5 / 5.9	11.3 / 8.7 / 6.7 / 5.9	12.3 / 11.0 / 7.0 / 5.6	13.9 / 11.2 / 9.1 / 7.4	
Exterior dimensions (H×W×D)		mm	290×870×230					
Net weight		kg	9.5					10.0
Refrigerant piping size	Liquid / Gas	Φmm	6.35(1/4") / 9.52(3/8")					6.35(1/4") / 12.7(1/2")
Clean filter			Allergen Clear Filter ×1, Photocatalytic Washable Deodorising Filter ×1					

* Colour variation available [-WFB] [-WFT]

Wall Mounted

SKM-ZSP

• Compact and Light weight

New!



Item		Model	SKM15ZSP-W	SKM20ZSP-W	SKM25ZSP-W	SKM35ZSP-W
Nominal cooling capacity		kW	1.5	2.0	2.5	3.5
Nominal heating capacity		kW	2.0	3.0	3.4	4.5
Sound power level	Cooling	dB(A)	57	57	57	58
	Heating	dB(A)	56	56	56	58
Sound pressure level	Cooling(Hi/Me/Lo/Ulo)	dB(A)	42 / 35 / 22	42 / 35 / 22	43 / 36 / 23	44 / 37 / 25
	Heating(Hi/Me/Lo/Ulo)	dB(A)	41 / 36 / 26	41 / 36 / 26	41 / 36 / 27	42 / 37 / 30
Air flow	Cooling(Hi/Me/Lo/Ulo)	m³/min	8.5 / 7.0 / 5.0	8.5 / 7.0 / 5.0	8.5 / 7.0 / 5.0	9.0 / 7.5 / 5.0
	Heating(Hi/Me/Lo/Ulo)		8.0 / 7.0 / 5.5	8.0 / 7.0 / 5.5	8.0 / 7.0 / 5.5	8.5 / 7.0 / 6.0
Exterior dimensions (H×W×D)		mm	267×783×210			
Net weight		kg	7.5			
Refrigerant piping size	Liquid / Gas	Φmm	6.35(1/4") / 9.52(3/8")			
Clean filter			—			

NOTES

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

Floor Standing

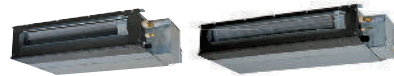
SRF-ZS/ZSX



Item		Model	SRF25ZS-W	SRF35ZS-W	SRF50ZSX-W
Nominal cooling capacity		kW	2.5	3.5	5.0
Nominal heating capacity		kW	3.4	4.5	5.8
Sound power level	Cooling	dB(A)	50	51	58
	Heating	dB(A)	51	52	58
Sound pressure level	Cooling(Hi/Me/Lo/Ulo)	dB(A)	38 / 32 / 29 / 25	40 / 35 / 33 / 29	46 / 38 / 33 / 28
	Heating(Hi/Me/Lo/Ulo)	dB(A)	39 / 35 / 33 / 29	41 / 36 / 35 / 33	46 / 41 / 38 / 32
Air flow	Cooling(Hi/Me/Lo/Ulo)	m³/min	9.0 / 7.6 / 6.7 / 5.8	9.2 / 7.8 / 7.3 / 6.4	11.5 / 9.6 / 7.4 / 6.6
	Heating(Hi/Me/Lo/Ulo)	m³/min	10.5 / 8.2 / 7.7 / 6.6	10.7 / 8.3 / 8.1 / 7.4	12.0 / 10.0 / 9.4 / 7.6
Exterior dimensions(H×W×D)		mm	600×860×238		
Net weight		kg	18.0	19.0	
Refrigerant piping size	Liquid / Gas	Φmm	6.35(1/4") / 9.52(3/8")		6.35(1/4") / 12.7(1/2")
Clean filter			Allergen Clear Filter × 1 Photocatalytic Washable Deodorising Filter × 1		

Ceiling Concealed

SRR-ZS



Item	Model	SRR25ZS-W	SRR35ZS-W	SRR50ZS-W	SRR60ZS-W
Nominal cooling capacity	kW	2.5	3.5	5.0	6.0
Nominal heating capacity	kW	3.4	4.5	5.8	6.8
Sound power level	Cooling	dB(A)	56	59	60
	Heating	dB(A)	59	61	63
Sound pressure level	Cooling(Hi/Me/Lo/Ulo)	dB(A)	37 / 33 / 30 / 24	41 / 37 / 34 / 29	44 / 38 / 35 / 30
	Heating(Hi/Me/Lo/Ulo)	dB(A)	40 / 37 / 34 / 28	43 / 39 / 37 / 32	45 / 41 / 38 / 33
Air flow	Cooling(Hi/Me/Lo/Ulo)	m ³ /min	9.5 / 8.0 / 6.5 / 4.5	13.5 / 11.0 / 10.0 / 7.5	14.5 / 11.5 / 10.5 / 8.0
	Heating(Hi/Me/Lo/Ulo)	m ³ /min	10.0 / 9.0 / 8.0 / 6.0	14.0 / 12.5 / 11.0 / 8.5	15.0 / 13.0 / 11.5 / 9.0
External static pressure	Pa	Standard : 5"(Initial static pressure with air filter : 5Pa)			
Exterior dimensions(H×W×D)	mm	200×750×500		200×950×500	
Net weight	kg	20.5		24.0	
Refrigerant piping size	Liquid / Gas	Φmm	6.35(1/4") / 9.52(3/8")		6.35(1/4") / 12.7(1/2")
Bottom air inlet kit (option)		UT-BAT1EF		UT-BAT2EF	

*1 The maximum external static pressure can be used up to 35Pa(25×35ZS), 50Pa(50×60ZS), but the airflow will be reduced.

4way Ceiling Cassette

FDTC-VH

- Draft prevention panel (Option)
- Motion sensor (Option)
- More quiet noise & Improve the aerodynamic performance



Item		Model	FDTC25VH1	FDTC35VH1	FDTC50VH	FDTC60VH
Nominal cooling capacity		kW	2.5	3.5	5.0	6.0
Nominal heating capacity		kW	3.4	4.5	5.8	6.8
Sound power level	Cooling	dB(A)	51	52	59	60
	Heating	dB(A)	52	53	59	60
Sound pressure level	Cooling(P-Hi/Hi/Me/Lo)	dB(A)	38 / 34 / 30 / 27	39 / 36 / 32 / 29	44 / 40 / 35 / 27	46 / 42 / 38 / 31
	Heating(P-Hi/Hi/Me/Lo)	dB(A)	39 / 36 / 32 / 28	41 / 38 / 34 / 30	44 / 40 / 35 / 27	46 / 42 / 38 / 31
Air flow	Cooling(P-Hi/Hi/Me/Lo)	m³/min	8.5 / 7.5 / 7.0 / 6.0	9.0 / 8.0 / 7.5 / 6.5	13.0 / 11.0 / 9.0 / 7.0	14.0 / 12.0 / 10.0 / 8.0
	Heating(P-Hi/Hi/Me/Lo)		9.5 / 8.5 / 7.5 / 6.5	10.0 / 9.0 / 8.0 / 7.0	13.0 / 11.0 / 9.0 / 7.0	14.0 / 12.0 / 10.0 / 8.0
Exterior dimensions(H×W×D)		mm	Unit : 248×570×570 Panel : 10×620×620			
Net weight		kg	16.5 (Unit.14 Panel:2.5)			
Refrigerant piping size	Liquid / Gas	Φmm	6.35(1/4") / 9.52(3/8")			6.35(1/4") / 12.7(1/2")
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)			

Duct Connected-Low/Middle Static Pressure / Ceiling Suspended

FDUM-VH / FDE-VH



•Motion sensor (Option)



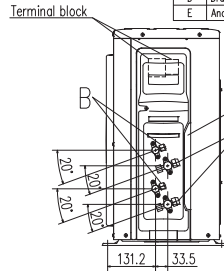
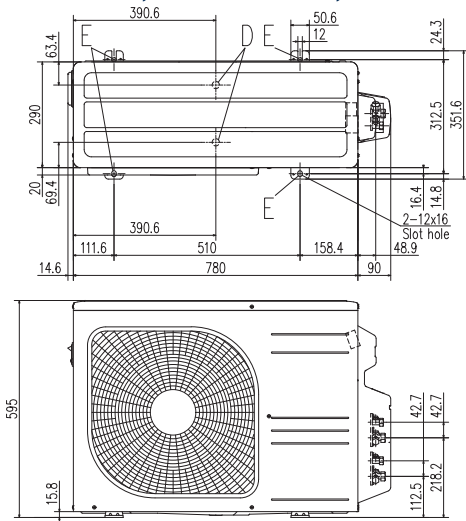
•Motion sensor (Option)

Item		Model	FDUM50VH	FDE50VH
Nominal cooling capacity		kW	5.0	5.0
Nominal heating capacity		kW	5.8	5.8
Sound power level	Cooling	dB(A)	60	60
	Heating	dB(A)	60	60
Sound pressure level	Cooling(P-Hi/Hi/Me/Lo)	dB(A)	37 / 32 / 29 / 26	46 / 38/ 36/ 31
	Heating(P-Hi/Hi/Me/Lo)	dB(A)	37 / 32 / 29 / 26	46 / 38/ 36/ 31
Air flow	Cooling(P-Hi/Hi/Me/Lo)	m ³ /min	13.0 / 10.0 / 9.0 / 8.0	13.0 / 10.0 / 9.0 / 7.0
	Heating(P-Hi/Hi/Me/Lo)		13.0 / 10.0 / 9.0 / 8.0	13.0 / 10.0 / 9.0 / 7.0
Available external static pressure		Pa	Standard : 35 Max : 100	—
Exterior dimensions (H×W×D)		mm	280×750×635	210×1070×690
Net weight		kg	29.0	28.0
Refrigerant piping size	Liquid / Gas	Φmm	6.35(1/4") / 12.7(1/2")	6.35(1/4") / 12.7(1/2")
Air filter			Filter KIT : UM-FL1EF (option)	Pocket Plastic net (Washable) × 2

Pocket Plastic net (Washable) × 2

OUTDOOR UNIT

SCM30ZS-W SCM40ZS-W,-S SCM45ZS-W,-S

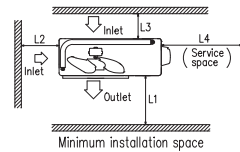


Notes

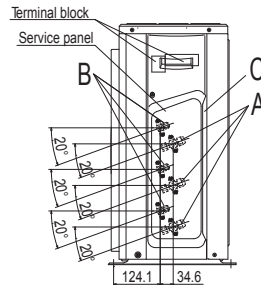
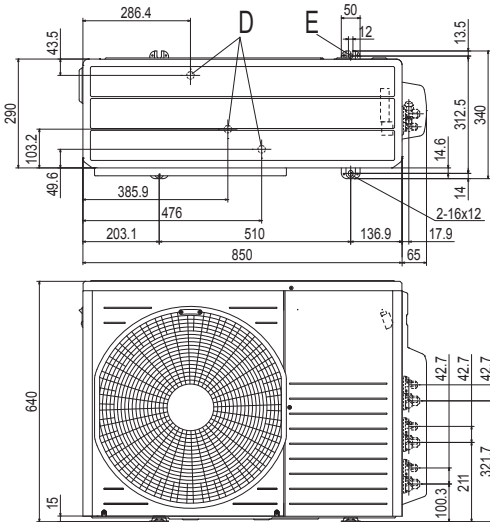
- (1) The unit must not be surrounded by walls on the four sides.
- (2) The unit must be fixed with anchor bolts. An anchor bolt must not protrude more than 15mm.
- (3) If the unit is installed in the location where there is a possibility of strong winds, place the unit such that the direction of air from the outlet gets perpendicular to the wind direction.
- (4) Leave 200mm or more space above the unit.
- (5) The wall height on the outlet side should be 1200mm or less.
- (6) The model name label is attached on the right side of the unit.

Symbol	Content
A	Service valve connection (gas side) $\phi 9.52$ (3/8") (Flare)
B	Service valve connection (liquid side) $\phi 6.35$ (1/4") (Flare)
C	Pipe/cable draw-out hole
D	Drain discharge hole $\phi 20 \times 2$ places
E	Anchor bolt hole M10-12x4 places

	Installation space
L1	280 or more
L2	100 or more
L3	80 or more
L4	250 or more



SCM41ZS-W SCM50ZS-W SCM60ZS-W SCM50ZS-S1 SCM60ZM-S1



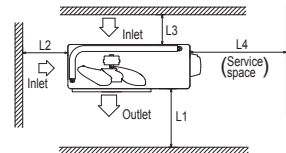
Notes

- (1) The unit must not be surrounded by walls on the four sides.
- (2) The unit must be fixed with anchor bolts. An anchor bolt must not protrude more than 15mm.
- (3) If the unit is installed in the location where there is a possibility of strong winds, place the unit such that the direction of air from the outlet gets perpendicular to the wind direction.
- (4) Leave 200mm or more space above the unit.
- (5) The wall height on the outlet side should be 1200mm or less.
- (6) The model name label is attached on the right side of the unit.

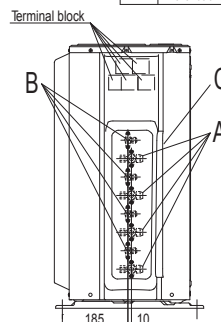
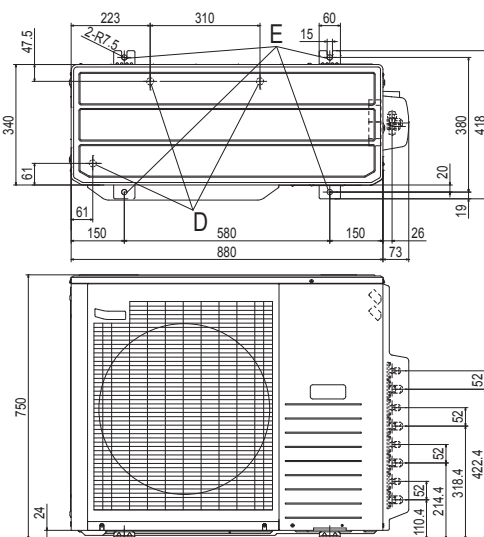
Symbol	Content
A	Service valve connection (gas side) $\phi 9.52$ (3/8") (Flare)
B	Service valve connection (liquid side) $\phi 6.35$ (1/4") (Flare)
C	Pipe/cable draw-out hole
D	Drain discharge hole $\phi 20 \times 3$ places
E	Anchor bolt hole M10-12 x 4 places

Minimum installation space

	Installation space
L1	600 or more
L2	100 or more
L3	100 or more
L4	No obstacles (Service space or electrical parts)



SCM71ZS-W SCM80ZS-W SCM71ZM-S1 SCM80ZM-S1



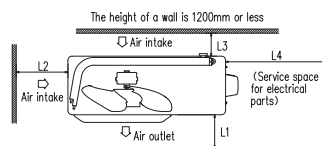
Notes

- (1) It must not be surrounded by walls on four sides.
- (2) The unit must be fixed with anchor bolts. An anchor bolt must not protrude more than 15mm.
- (3) Where the unit is subjected to strong winds, lay it in such a direction that the blower outlet faces perpendicularly to the dominant wind direction.
- (4) Leave 1.2m or more space above the unit.
- (5) A wall in front of the blower outlet must not exceed the unit's height.
- (6) The model name label is attached on the rear panel.

Minimum installation space

Symbol	Content
A	Service valve connection (gas side) $\phi 9.52$ (3/8") (Flare)
B	Service valve connection (liquid side) $\phi 6.35$ (1/4") (Flare)
C	Pipe/cable draw-out hole
D	Drain discharge hole $\phi 20 \times 3$ places
E	Anchor bolt hole M10 x 4 places

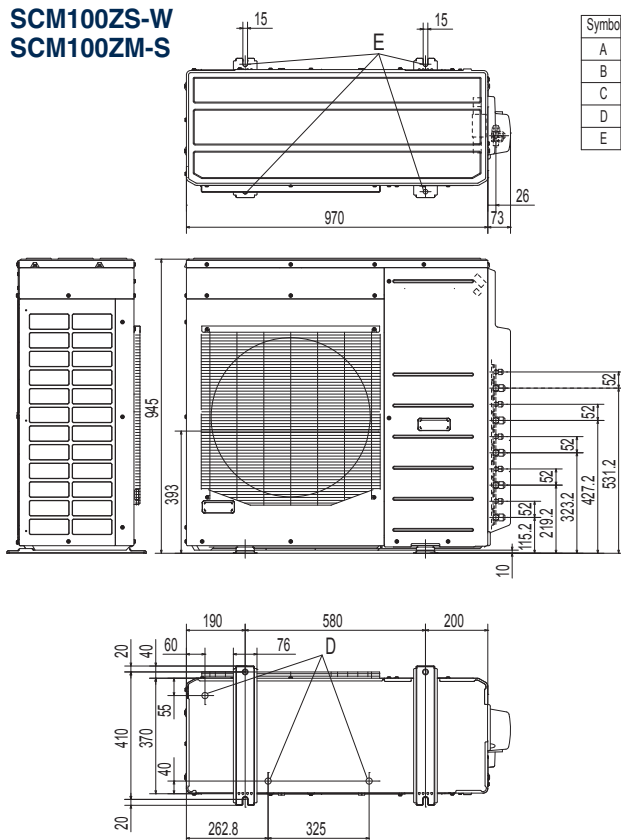
Examples of installation Dimensions	I	II	III
L1	Open	Open	500
L2	300	250	Open
L3	100	150	100
L4	250	250	250



DIMENSIONS (Unit: mm)

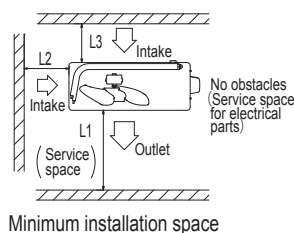
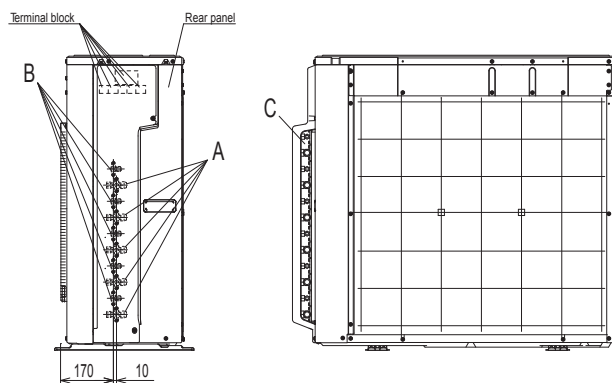
OUTDOOR UNIT

SCM100ZS-W SCM100ZM-S



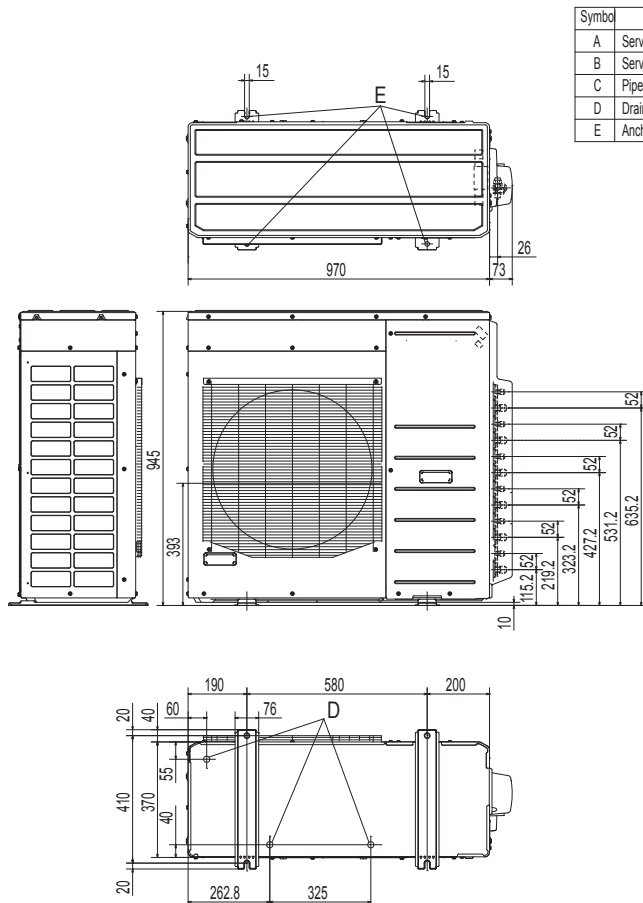
Symbol	Content
A	Service valve connection (gas side) $\phi 9.52$ (3/8") (Flare)
B	Service valve connection (liquid side) $\phi 6.35$ (1/4") (Flare)
C	Pipe/cable draw-out hole
D	Drain discharge hole $\phi 20 \times 3$ places
E	Anchor bolt hole M10 $\times 4$ places

- Notes
- (1) It must not be surrounded by walls on the four sides.
 - (2) The unit must be fixed with anchor bolts. An anchor bolt must not protrude more than 15mm.
 - (3) Where the unit is subject to strong winds, lay it in such a direction that the blower outlet faces perpendicularly to the dominant wind direction.
 - (4) Leave 1m or more space above the unit.
 - (5) A wall in front of the blower outlet must not exceed the units height.
 - (6) The model name label is attached on the rear panel.



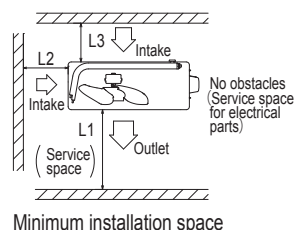
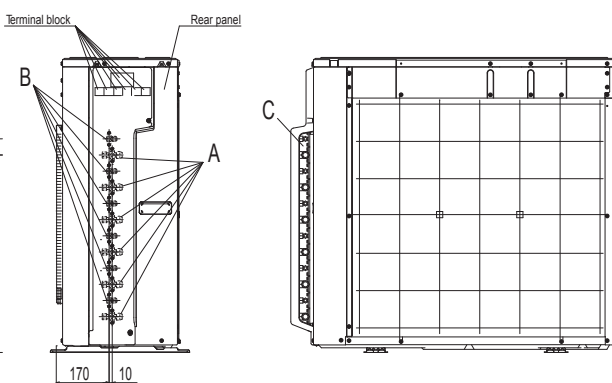
Examples of installation Dimensions	I	II	III
L1	Open	Open	500
L2	300	5	Open
L3	150	300	150

SCM125ZM-S



Symbol	Content
A	Service valve connection (gas side) $\phi 9.52$ (3/8") (Flare)
B	Service valve connection (liquid side) $\phi 6.35$ (1/4") (Flare)
C	Pipe/cable draw-out hole
D	Drain discharge hole $\phi 20 \times 3$ places
E	Anchor bolt hole M10 $\times 4$ places

- Notes
- (1) It must not be surrounded by walls on the four sides.
 - (2) The unit must be fixed with anchor bolts. An anchor bolt must not protrude more than 15mm.
 - (3) Where the unit is subject to strong winds, lay it in such a direction that the blower outlet faces perpendicularly to the dominant wind direction.
 - (4) Leave 1m or more space above the unit.
 - (5) A wall in front of the blower outlet must not exceed the units height.
 - (6) The model name label is attached on the rear panel.

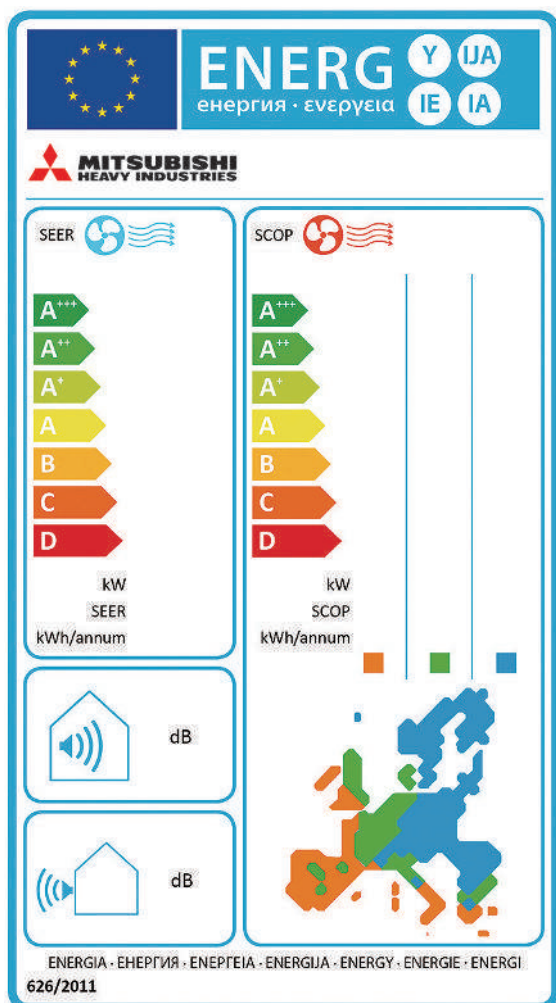


Examples of installation Dimensions	I	II	III
L1	Open	Open	500
L2	300	5	Open
L3	150	300	150

ENERGY EFFICIENT AND ENVIRONMENTALLY CONSCIOUS

ENERGY LABEL – FOR EU/EEA AREA ONLY –

SEER and SCOP is defined in European regulations listed below.



No.626/2011 of 4 May 2011:

energy labeling of air conditioners

(below cooling capacity 12kW).

No.206/2012 of 6 March 2012: requirement for air conditioners and comfort fans.

Seasonal efficiency is the new way of rating the true efficiency of heating and cooling products over an entire year.

Set by the EU's new regulation implementing Eco-Design Directive for Energy related Product (ErP) which specifies the minimum efficiency of air conditioners manufacturers must integrate into their products.

The new Seasonal Efficiency rating system that must be used for heating and cooling by all manufacturers are;

SEER - Seasonal Efficiency Ratio (value in cooling)

SCOP - Seasonal Coefficient of Performance (value in heating)

The new rating system will indicate the true efficiency of the energy using product at specified condition.

Employment of lead-free solder

Adapted to RoHS directive

RoHS: Restriction of Hazardous substances

In order to avoid the release of hazardous substances into the environments, all models have utilised lead-free solder application. It has been considered to be difficult to use lead-free solder for practical applications because it requires higher solder temperatures at assembly, which can jeopardize reliability. However our PbF soldering method can produce a higher quality lead-free printed circuit board.

Employment of **R32** **R410A**

All models use refrigerant R32 or R410A characterized by the ozone depletion coefficient being 0.

Excellent Energy Saving

High performance and excellent energy savings are achieved at the same time by heat exchanger's increased capacity and employment of high efficiency DC motor.

Indoor unit		FDC60VH	SRK20ZSX-S	SRK25ZSX-S	SRK35ZSX-S	SRK50ZSX-S	SRK60ZSX-S	SRK63ZR-S
Outdoor unit		SRC60ZSX-W1-W3	SRC20ZSX-S	SRC25ZSX-S	SRC35ZSX-S	SRC50ZSX-S	SRC60ZSX-S	SRC63ZR-S
Energy class (cooling/heating)		A++/A+	A+++/A+++	A+++/A+++	A+++/A+++	A++/A++	A++/A++	A++/A++
SEER		6.45	9.50	9.60	9.20	8.20	7.60	7.60
SCOP (Average climate)		4.10	5.20	5.20	5.10	4.70	4.70	4.70
Pdesign (cooling/heating(@-10°C))	kW	5.6/5.1	2.00/2.70	2.50/2.90	3.50/3.30	5.00/4.50	6.10/5.20	6.30/5.40
Annual electricity consumption (cooling/heating)	kWh/a	304/1744	74/728	92/781	134/906	214/1341	282/1551	291/1610
Designated heating season		Average						
Indoor unit		SRK71ZR-S	SRK80ZR-S	SRK100ZR-S	SRK20ZS-S [†]	SRK25ZS-S [†]	SRK35ZS-S [†]	SRK50ZS-S [†]
Outdoor unit		SRC71ZR-S	SRC80ZR-S	FDC100VNP	SRC20ZS-S	SRC25ZS-S	SRC35ZS-S	SRC50ZS-S
Energy class (cooling/heating)		A++/A+	A++/A+	A++/A+	A++/A++	A++/A++	A++/A++	A++/A+
SEER		7.20	6.60	6.60	7.80	7.80	7.80	6.26
SCOP (Average climate)		4.50	4.40	4.40	4.60	4.60	4.60	4.20
Pdesign (cooling/heating(@-10°C))	kW	7.10/6.60	8.00/7.10	10.0/7.20	2.00/2.40	2.50/2.50	3.50/2.80	5.00/3.90
Annual electricity consumption (cooling/heating)	kWh/a	346/2055	425/2261	531/2289	90/732	113/762	158/852	280/1300
Designated heating season		Average						
Indoor unit		SRK25ZSP-S	SRK35ZSP-S	SRK45ZSP-S	SRC25ZMX-S	SRC35ZMX-S	SRC50ZMX-S	SRC25ZM-S
Outdoor unit		SRC25ZSP-S	SRC35ZSP-S	SRC45ZSP-S	SRC25ZMX-S	SRC35ZMX-S	SRC50ZMX-S	SRC25ZMX-S
Energy class (cooling/heating)		A/A	A++/A+	A/A	A++/A+	A++/A+	A++/A	A++/A+
SEER		5.50	6.15	5.38	7.11	6.75	6.12	6.43
SCOP (Average climate)		3.80	4.00	3.81	4.37	4.26	3.87	4.08
Pdesign (cooling/heating(@-10°C))	kW	2.50/2.80	3.20/3.00	4.50/3.80	2.50/3.00	3.50/3.30	5.00/4.80	2.50/3.30
Annual electricity consumption (cooling/heating)	kWh/a	160/1033	183/1052	293/1398	123/961	182/1085	286/1736	136/1133
Designated heating season		Average						
Indoor unit		SRR35ZM-S	FDC25VF	FDC35VF	FDC40VF	FDC50VF	FDC60VF	
Outdoor unit		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	
SEER		6.33	6.10	6.12	6.53	6.01	5.76	
SCOP (Average climate)		4.02	4.13	4.15	3.96	3.85	3.80	
Pdesign (cooling/heating(@-10°C))	kW	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	194/1238	147/1050	207/1215	215/1416	291/1745	341/2172	
Designated heating season		Average						

– Multi-split System

Indoor unit		SRK15ZS-WF x 2	SRK20ZSX-W x 2	SRK20ZSX-W SRK25ZSX-W	SRK15ZS-WF x 3	SRK20ZSX-W x 3	SRK20ZSX-W x 4	SRK20ZSX-W x 5	SRK20ZS-W x 5
Outdoor unit		SCM30ZS-W	SCM40ZS-W	SCM45ZS-W	SCM41ZS-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++	A+++/A++	A+++/A+
SEER		8.60	9.10	9.10	9.20	8.80	8.80	8.30	8.60
SCOP (Average climate)		4.80	4.70	4.70	4.60	4.60	4.60	4.60	4.50
Pdesign (cooling/heating(@-10°C))	kW	3.00/3.30	4.00/4.10	4.50/4.10	4.00/3.40	5.00/4.70	6.00/4.70	7.10/6.70	8.00/6.70
Annual electricity consumption (cooling/heating)	kWh/a	123/962	154/1222	174/1222	153/1034	199/1430	239/1430	300/2038	342/2038
Designated heating season		Average							
Indoor unit		SRK20ZSX-W x 2	SRK20ZSX-W SRK25ZSX-W	SRK20ZSX-W x 3	SRK20ZSX-W x 4	SRK20ZSX-W x 5	SRK25ZS-W+ SRK35ZS-W 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							