

# 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



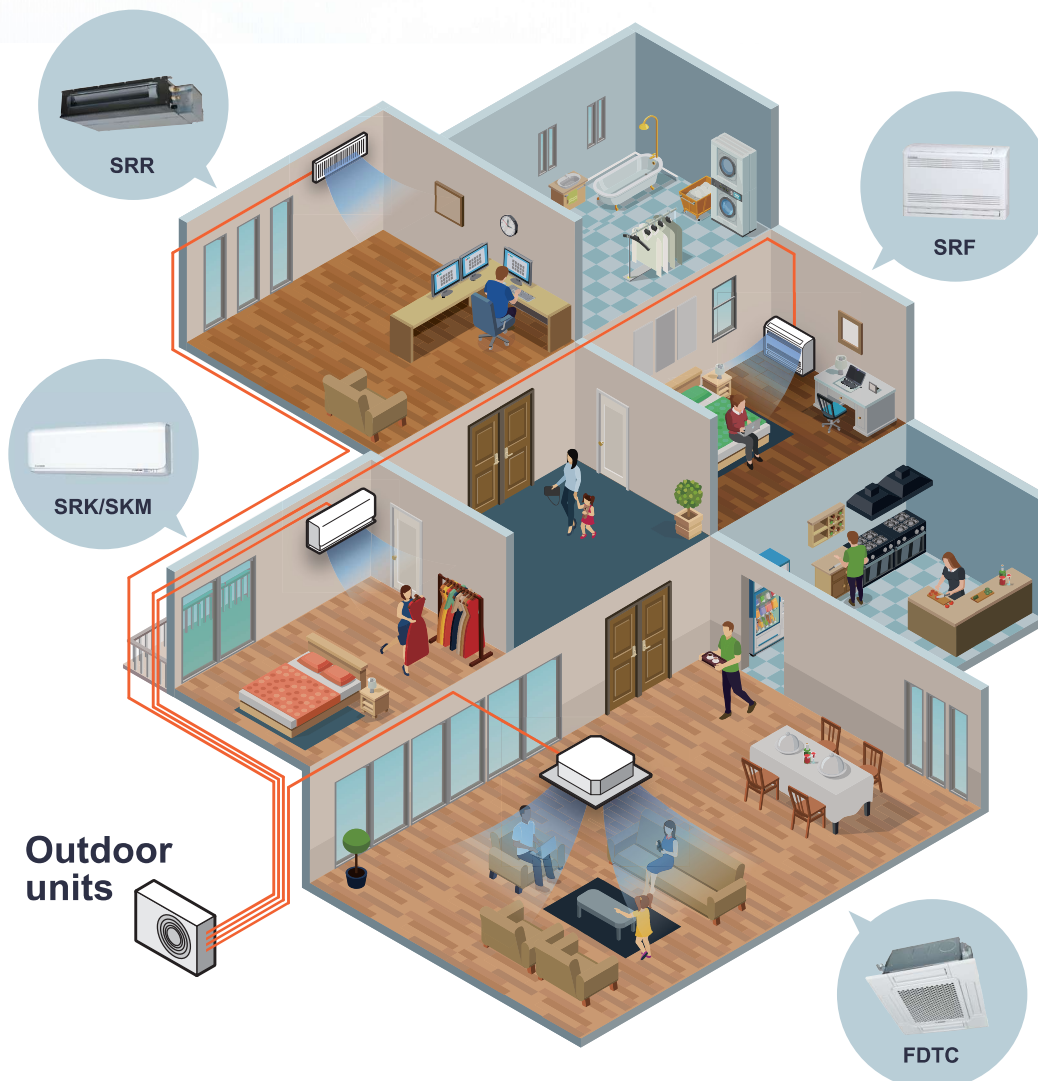
**SRR**  
Ceiling  
Concealed type



**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

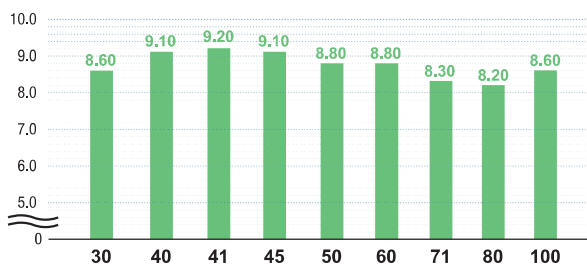


SCM100ZS-W

### Higher efficiency

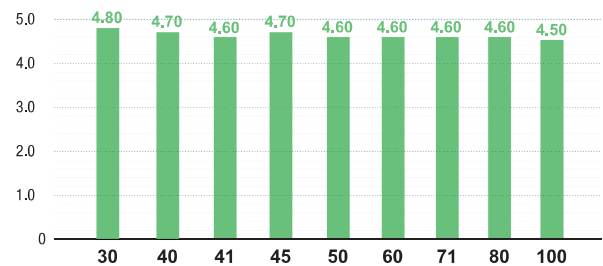
#### SEER in Cooling

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



#### SCOP in Heating

A++ (except 100ZS-W)

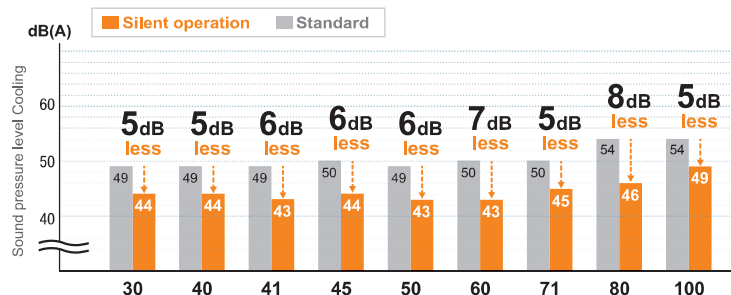


\* The above values are based on indoor units combination with SRK-ZSX-W only. SCM30ZS-W, SCM41ZS-W and SCM100ZS-W are calculated in the combination with SRK-ZS-W.

## Comfort

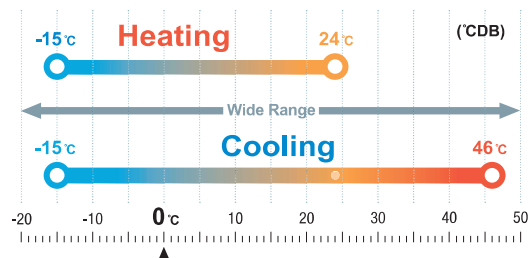
By the application of the Twin Rotary compressor\*, the outdoor units have low noise levels.  
Silent operation is installed in all outdoor units.

\* 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 15m	under 20m
	upper installation spot of the indoor unit	under 15m	under 15m	under 15m	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 <sub>2</sub> 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)	1.70(0.48~2.83)	2.70(0.48~3.65)
	Heating	kW	1.75(0.35~3.00)	1.95(0.35~3.12)	2.38(0.37~2.90)
EER	Cooling		5.00	4.71	3.70
COP	Heating		4.91	4.77	4.41
Max. running current		A	20	20	21
Sound power level	Cooling	dB(A)	63	66	67
	Heating	dB(A)	67	67	72
Sound pressure level	Cooling	dB(A)	50	54	54
	Heating	dB(A)	54	54	59
Air flow	Cooling	m³/min	50.0	56.0	75.0
	Heating		56.0	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 <sub>2</sub> 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		9.52(3/8")×4		9.52(3/8")×5
Outdoor operating temperature range	Cooling	°CDB	-15~46		
	Heating		-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 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.

\* 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

## Outdoor Units

Powerful, efficient and silent outdoor units are available in 8 sizes and able to combine up to 6 indoor units.

SCM40ZS-S  
SCM45ZS-S



SCM71ZM-S1  
SCM80ZM-S1



SCM50ZS-S1  
SCM60ZM-S1



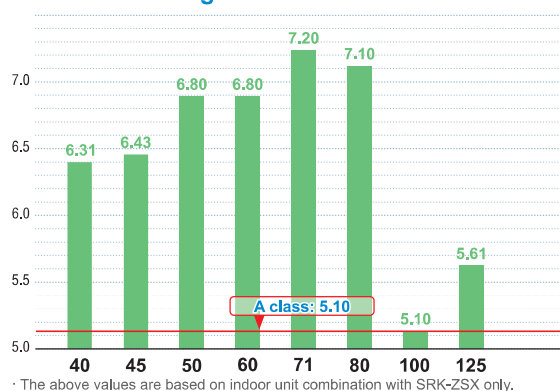
SCM100ZM-S  
SCM125ZM-S



## Energy saving

All models can achieve very high seasonal efficiency due to the application of inverter technology which makes it possible to vary the power output according to demand for cooling or heating. This makes it possible to reach the set temperature quickly and to keep it stable over time saving about 30% in consumption compared to traditional fixed speed air conditioners.

SEER in Cooling



· The above values are based on indoor unit combination with SRK-ZSX only.

SCOP in Heating



## Comfort

By the application of the Twin Rotary compressor, the outdoor units have low noise levels.

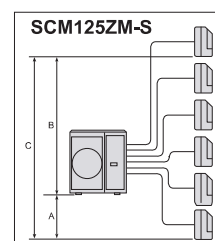
All the units also operate in heating and cooling mode with an outdoor temperature limit of -15°C.

Silent operation is newly installed in SCM50, 60, 71, 80 type.

## Installation Flexibility

With a generous maximum piping length of 90m\*, you are given greater freedom to decide where the indoor units will be installed to optimise interior space and convenience.

	SCM40/ 45ZS-S	SCM50ZS-S1/ SCM60ZM-S1	SCM71/ 80ZM-S1	SCM100/ 125ZM-S
length for one indoor unit	under 25m	under 25m	under 25m	under 25m
total length for all rooms	under 30m	under 40m	under 70m	under 90m*
height difference	lower installation spot of the indoor unit (A)	under 15m	under 15m	under 20m
	upper installation spot of the indoor unit (B)	under 15m	under 15m	under 20m
	maximum height difference of the indoor units (C)	under 25m	under 25m	under 25m
length of chargeless refrigerant pipe	30m	40m	40m	50m





## SPECIFICATIONS

Item		Model	For two rooms		For three rooms	
			SCM40ZS-S	SCM45ZS-S	SCM50ZS-S1	SCM60ZM-S1
Power Source			1Phase, 220 - 240V, 50Hz			
Nominal cooling capacity (Min~Max)		kW	4.0(1.5~5.9)	4.5(1.5~6.4)	5.0(1.8~7.1)	6.0(1.8~7.5)
Nominal heating capacity (Min~Max)		kW	4.5(1.3~6.3)	5.3(1.3~6.5)	6.0(1.4~7.5)	6.8(1.5~7.8)
Power Consumption	Cooling	kW	0.84(0.59~2.13)	1.04(0.59~2.30)	1.05(0.60~2.15)	1.43(0.50~2.39)
	Heating	kW	0.90(0.54~1.70)	1.15(0.54~1.92)	1.21(0.55~2.58)	1.45(0.60~3.00)
EER	Cooling		4.76	4.33	4.76	4.20
COP	Heating		5.00	4.61	4.96	4.69
Max. running current		A	14	14	14	17
Sound power level	Cooling	dB(A)	62	62	61	63
	Heating	dB(A)	64	64	63	65
Sound pressure level	Cooling	dB(A)	48	49	48	50
	Heating	dB(A)	50	51	50	52
Air flow	Cooling	m³/min	32.5	32.5	41.0	42.0
	Heating		32.5	32.5	41.0	42.0
Exterior dimensions (H×W×D)		mm	595×780(+90)×290		640×850(+65)×290	
Net weight		kg	42.0		49.0	49.5
Refrigerant	Type/GWP		R410A/2088			
	Charge	kg/TCO <sub>2</sub> Eq	1.9/3.967		2.5/5.22	
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	-15~43			
	Heating		-15~24			
Number of Connectable indoor units			2	2	Min.2~Max.3	Min.2~Max.3
Total indoor units capacity		kW	6.0	7.0	8.5	11.0

Item		Model	For four rooms		For five/six rooms	
			SCM71ZM-S1	SCM80ZM-S1	SCM100ZM-S	SCM125ZM-S
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(1.8~12.0)	12.5(1.8~14.0)
Nominal heating capacity (Min~Max)		kW	8.6(1.5~9.4)	9.3(1.5~9.8)	12.0(1.5~13.5)	13.5(1.5~14.0)
Power Consumption	Cooling	kW	1.58(0.48~2.75)	1.95(0.48~2.83)	2.86(0.65~4.03)	3.90(0.65~4.80)
	Heating	kW	2.00(0.60~3.35)	2.26(0.60~3.43)	2.93(0.70~3.40)	3.25(0.70~3.42)
EER	Cooling		4.49	4.10	3.50	3.21
COP	Heating		4.30	4.12	4.10	4.15
Max. running current		A	20	20	29	29
Sound power level	Cooling	dB(A)	63	66	68	69
	Heating	dB(A)	66	66	71	72
Sound pressure level	Cooling	dB(A)	50	54	56	57
	Heating	dB(A)	54	54	59	60
Air flow	Cooling	m³/min	50.0	56.0	75.0	75.0
	Heating		56.0	56.0	75.0	82.0
Exterior dimensions (H×W×D)		mm	750×880(+73)×340		945×970(+73)×370	
Net weight		kg	62.0		92.0	
Refrigerant	Type/GWP		R410A/2088			
	Charge	kg/TCO <sub>2</sub> Eq	3.15/6.577		6.0/12.528	
Refrigerant piping size	Liquid	Φmm	6.35(1/4")×4		6.35(1/4")×5	6.35(1/4")×6
	Gas		9.52(3/8")×4		9.52(3/8")×5	9.52(3/8")×6
Outdoor operating temperature range	Cooling	°CDB	-15~43			
	Heating		-15~24			
Number of Connectable indoor units			Min.2~Max.4	Min.2~Max.4	Min.4*~Max.5	Min.4*~Max.6
Total indoor units capacity		kW	12.5	13.5	16.0	19.5

\* 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.

\* In case of SRK71ZR+SRK71ZR, 2 Indoor units can be connectable. In case of the combination with SRK-ZSX, SRK71ZR & FDE50VH, only 3 indoor units can be connectable. The total connecting capacity of indoor units should be between 100 ~ 160. (SCM100ZM-S, SCM125ZM-S)



# 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
	Heating	dB(A)	60
Sound pressure level	Cooling(Hi/Me/Lo/Ulo)	dB(A)	44 / 41 / 37 / 25
	Heating(Hi/Me/Lo/Ulo)	dB(A)	46 / 39 / 35 / 28
Air flow	Cooling(Hi/Me/Lo/Ulo)	m³/min	20.5 / 18.6 / 16.2 / 10.4
	Heating(Hi/Me/Lo/Ulo)	m³/min	25.0 / 19.8 / 17.3 / 13.3
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)		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")		
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 <sup>3</sup> /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 <sup>3</sup> /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	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
	Heating	dB(A)	60
Sound pressure level	Cooling(P-Hi/Hi/Me/Lo)	dB(A)	37 / 32 / 29 / 26
	Heating(P-Hi/Hi/Me/Lo)	dB(A)	37 / 32 / 29 / 26
Air flow	Cooling(P-Hi/Hi/Me/Lo)	m <sup>3</sup> /min	13.0 / 10.0 / 9.0 / 8.0
	Heating(P-Hi/Hi/Me/Lo)	m <sup>3</sup> /min	13.0 / 10.0 / 9.0 / 8.0
Available external static pressure	Pa	Standard : 35 Max : 100	
Exterior dimensions (H×W×D)	mm	280×750×635	
Net weight	kg	29.0	
Refrigerant piping size	Liquid / Gas	6.35(1/4") / 12.7(1/2")	
Air filter		Filter KIT : UM-FL1EF (option)	

Pocket Plastic net (Washable) × 2