

MULTI-SPLIT SYSTEM

MULTI-SPLIT SCM

The Multi DC Inverter range are innovative Multi-split systems from Mitsubishi Heavy Industries Thermal Systems which offers the perfect answer for air conditioning comfort in several environments. A single 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 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

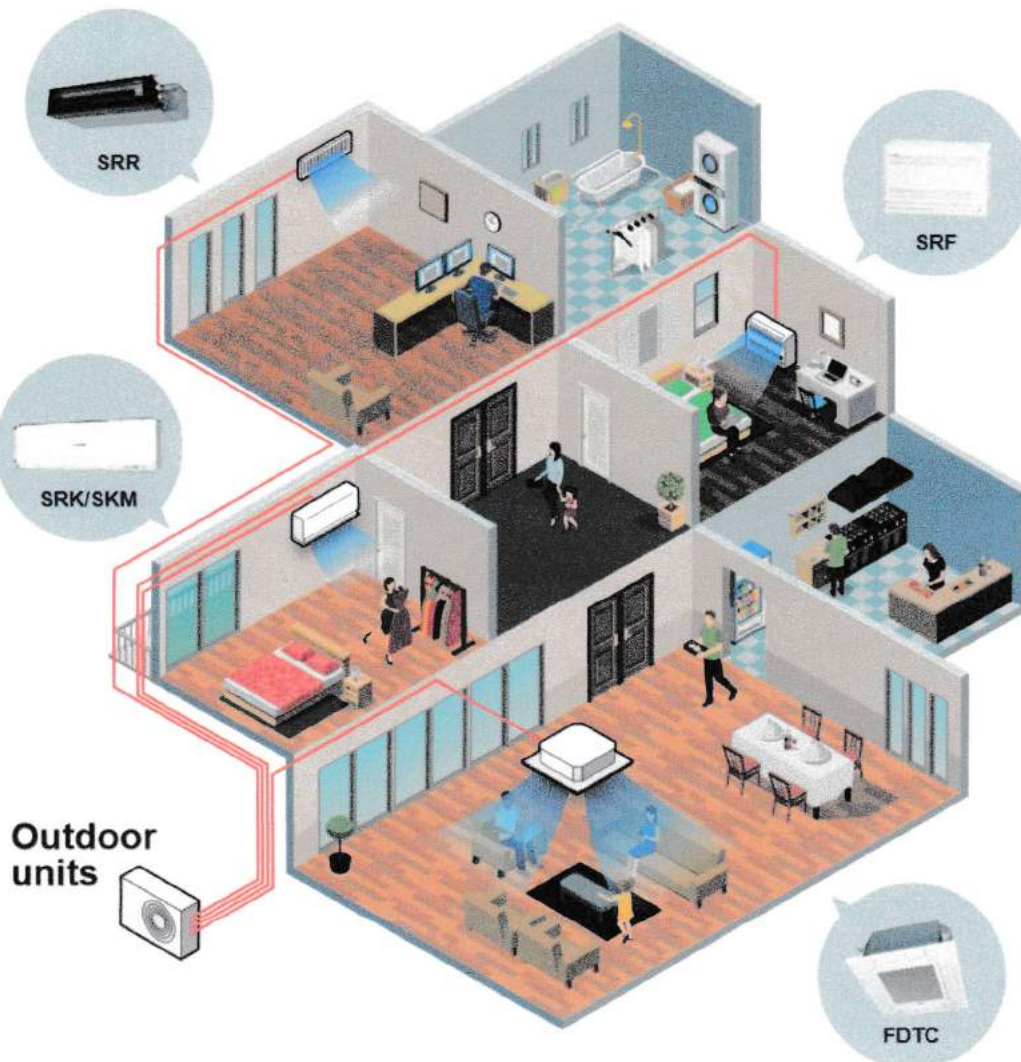


SRR
Ceiling
Concealed type



FDUM
Duct
Connected type

A wide variety of choices for indoor units





MULTI-SPLIT SYSTEM

Outdoor Units

Line up of multi split systems use R32 refrigerant.



SCM40ZS-W
SCM45ZS-W

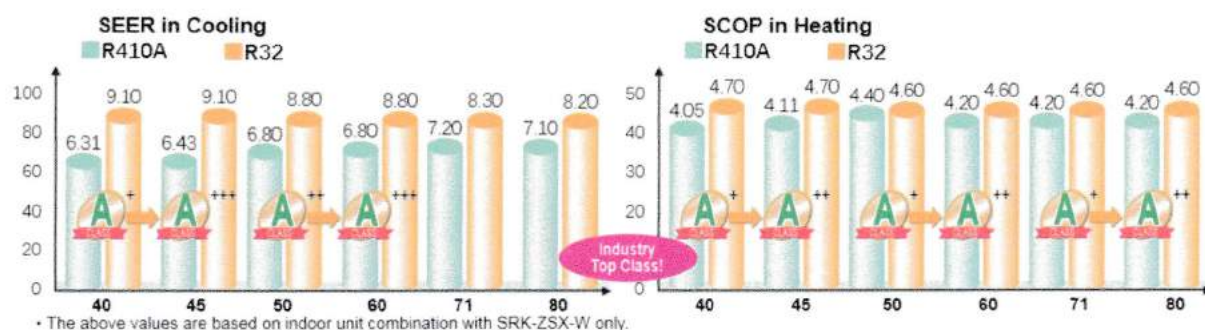
SCM50ZS-W
SCM60ZS-W

SCM71ZS-W
SCM80ZS-W

High energy efficiency by new refrigerant R32

R32 is the next generation refrigerant that boasts nearly 70% lower Global Warming Potential Rate than R410A. Due to its superior qualities R32 offers amazing energy efficiency benefits. It has a potential refrigerating effect 1.5 times that of R410A meaning it needs less energy to achieve the desired temperature and requires less refrigerant volume to operate.

Improved SEER and SCOP



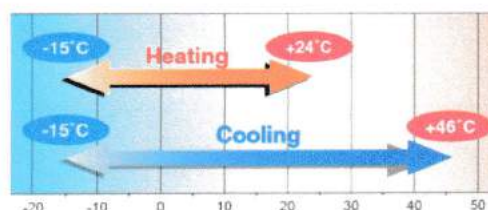
Comfort

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



Wide Range of Operation

Expand the cooling range to 46°C



Installation Flexibility

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

	SCM40/45ZS-W	SCM50/60ZS-W	SCM71/80ZS-W
length for one indoor unit	under 25m	under 25m	under 25m
total length for all rooms	under 30m	under 40m	under 70m
height difference	lower installation spot of the indoor unit	under 15m	under 20m
	upper installation spot of the indoor unit	under 15m	under 20m
	maximum height difference of the indoor units	under 25m	under 25m
length of precharged refrigerant pipe	20m	40m	30m

SPECIFICATIONS

Item		Model	For two rooms		For three rooms	
			SCM40ZS-W	SCM45ZS-W	SCM50ZS-W	SCM60ZS-W
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(1.7~7.1)	6.0(1.7~7.5)
Nominal heating capacity (Min~Max)		kW	4.5(1.0~6.3)	5.3(1.0~6.5)	6.0(1.0~7.5)	6.8(1.0~7.8)
Power Consumption	Cooling	kW	0.80(0.34~2.10)	0.96(0.34~2.30)	1.02(0.43~2.15)	1.32(0.43~2.28)
	Heating	kW	0.83(0.25~1.48)	1.06(0.25~1.48)	1.16(0.32~2.50)	1.40(0.32~2.80)
EER	Cooling		5.00	4.69	4.90	4.55
COP	Heating		5.42	5.00	5.17	4.86
Max. running current		A	14	14	15	15
Sound power level	Cooling	dB(A)	62	63	62	62
	Heating	dB(A)	64	65	64	64
Sound pressure level	Cooling	dB(A)	49	50	49	50
	Heating	dB(A)	51	52	52	52
Air flow	Cooling	m³/min	32.5	32.5	41.0	41.0
	Heating		32.5	32.5	41.0	41.0
Exterior dimensions (H×W×D)		mm	595×780(+90)×290		640×850(+65)×290	
Net weight		kg	40.0		48.5	
Refrigerant	Type/GWP		R32/675			
	Charge	kg/TCO ₂ Eq	1.4/0.945		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	°C	-15~46			
	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	
			SCM71ZS-W	SCM80ZS-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)
Nominal heating capacity (Min~Max)		kW	8.6(1.1~9.4)	9.3(1.1~9.8)
Power Consumption	Cooling	kW	1.42(0.48~2.75)	1.70(0.48~2.83)
	Heating	kW	1.75(0.35~3.00)	1.95(0.35~3.12)
EER	Cooling		5.00	4.71
COP	Heating		4.91	4.77
Max. running current		A	20	20
Sound power level	Cooling	dB(A)	63	66
	Heating	dB(A)	67	67
Sound pressure level	Cooling	dB(A)	50	54
	Heating	dB(A)	54	54
Air flow	Cooling	m³/min	50.0	56.0
	Heating		56.0	56.0
Exterior dimensions (H×W×D)		mm	750×880(+73)×340	
Net weight		kg	61.0	
Refrigerant	Type/GWP		R32/675	
	Charge	kg/TCO ₂ Eq	2.55/1.721	
Refrigerant piping size	Liquid	Φmm	6.35(1/4")×4	
	Gas		9.52(3/8")×4	
Outdoor operating temperature range	Cooling	°C	-15~46	
	Heating		-15~24	
Number of Connectable indoor units			Min.2~Max.4	Min.2~Max.4
Total indoor units capacity		kW	12.5	13.5

• 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 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.

MULTI-SPLIT SYSTEM

INDOOR UNITS SPECIFICATION FOR MULTI COMBINATIONS

Wall Mounted

SRK-ZSX(-W,-WB,-WT)



Item	Model	SRK20ZSX	SRK25ZSX	SRK35ZSX	SRK50ZSX	SRK60ZSX
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	62
	Heating	dB(A)	55	56	58	62
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
	Heating(Hi/Me/Lo/Ulo)	dB(A)	38 / 33 / 25 / 19	40 / 34 / 27 / 19	42 / 35 / 28 / 19	46 / 41 / 33 / 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
	Heating(Hi/Me/Lo/Ulo)	m³/min	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
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 Deodorizing Filter ×1				

Wall Mounted

SRK-ZR(-W)



Item		Model	SRK71ZR
Nominal cooling capacity		kW	7.1
Nominal heating capacity		kW	8.0
Sound power level	Cooling	dB(A)	57
	Heating	dB(A)	60
Sound pressure level	Cooling(Hi/Me/L0/Ulo)	dB(A)	44 / 41 / 37 / 25
	Heating(Hi/Me/L0/Ulo)	dB(A)	46 / 39 / 35 / 28
Air flow	Cooling(Hi/Me/L0/Ulo)	m³/min	20.5 / 18.6 / 16.2 / 10.4
	Heating(Hi/Me/L0/Ulo)		25.0 / 19.8 / 17.3 / 13.3
Exterior dimensions (H×W×D)		mm	339×1197×262
Net weight		kg	15.5
Refrigerant piping size	Liquid / Gas	Φmm	6.35 (1/4") / 15.88 (5/8")
Clean filter			Allergen Clear Filter ×1, Photocatalytic Washable Deodorizing Filter ×1

Wall Mounted

SRK-ZS(-W,-WB,-WT)



Item		Model	SRK20ZS	SRK25ZS	SRK35ZS	SRK50ZS
Nominal cooling capacity		kW	2.0	2.5	3.5	5.0
Nominal heating capacity		kW	3.0	3.4	4.5	5.8
Sound power level	Cooling	dB(A)	48	50	54	59
	Heating	dB(A)	50	53	56	60
Sound pressure level	Cooling(Hi/Me/Lo/Ulo)	dB(A)	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	39 / 30 / 24 / 19	41 / 36 / 25 / 19	46 / 37 / 31 / 24
Air flow	Cooling(Hi/Me/Lo/Ulo)	m ³ /min	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	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			
Refrigerant piping size		Liquid / Gas	6.35(1/4") / 9.52(3/8")			
Clean filter			Allergen Clear Filter × 1, Photocatalytic Washable Deodorizing Filter × 1			

Wall Mounted

SKM-ZSP(-W)

- Elegant Timeless Design
- Compact and Light weight



Item	Model	SKM20ZSP-W	SKM25ZSP-W	SKM35ZSP-W
Nominal cooling capacity	kW	2.0	2.5	3.5
Nominal heating capacity	kW	3.0	3.4	4.5
Sound power level	Cooling	dB(A)	57	58
	Heating	dB(A)	56	58
Sound pressure level	Cooling(Hi/Me/Lo)	dB(A)	42 / 35 / 22	44 / 37 / 25
	Heating(Hi/Me/Lo)	dB(A)	41 / 36 / 26	42 / 37 / 30
Air flow	Cooling(Hi/Me/Lo)	m ³ /min	8.5 / 7.0 / 5.0	9.0 / 7.5 / 5.0
	Heating(Hi/Me/Lo)	m ³ /min	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		—		

Ceiling Concealed

SRR-ZS(-W)

NEW



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	57	59	60
	Heating	dB(A)	59	60	61	63
Sound pressure level	Cooling(Hi/Me/Lo/Ulo)	dB(A)	37 / 33 / 30 / 24	38 / 34 / 31 / 25	41 / 37 / 34 / 29	44 / 38 / 35 / 30
	Heating(Hi/Me/Lo/Ulo)	dB(A)	40 / 37 / 34 / 28	42 / 38 / 35 / 29	43 / 39 / 37 / 32	45 / 41 / 38 / 33
Air flow	Cooling(Hi/Me/Lo/Ulo)	m³/min	9.5 / 8.0 / 6.5 / 4.5	10.0 / 8.5 / 7.0 / 5.0	13.5 / 11.0 / 10.0 / 7.5	14.5 / 11.5 / 10.5 / 8.0
	Heating(Hi/Me/Lo/Ulo)		10.0 / 9.0 / 8.0 / 6.0	10.5 / 9.5 / 8.5 / 6.5	14.5 / 12.5 / 11.0 / 8.5	15.0 / 13.0 / 11.5 / 9.0
Available external static pressure		Pa	35(Initial static pressure with air filter : 5Pa)		50(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	

4way Ceiling Cassette

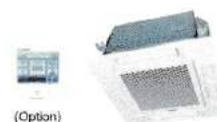
FDTC-VH

•Draft prevention panel (Option)

•Motion sensor (Option)

•More quiet noise & Improve the aerodynamic performance

NEW



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)	53	54	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)	Unit	mm	248×570×570			
	Panel	mm	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			TC-PSA-5AW-E, TC-PSAE-5AW-E			

Duct Connected-Low/Middle Static Pressure / Ceiling Suspended

FDUM-VH / FDE-VH

NEW



(Option)

NEW



(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)	m³/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	
Net weight		kg	29.0	
Refrigerant piping size		Liquid / Gas	Φmm 6.35(1/4") / 12.7(1/2")	
Air filter			Filter KIT : UM-FL1EF (option)	Pocket Plastic net × 2 (Washable)

OPTION

Wired remote control

Wireless remote control



RC-EX3A



RC-E5



RCH-E3



RCN-TC-5AW-E2



RCN-KIT4-E2



RCN-E-E3

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.