

MHI

TECHNICAL MANUAL

Manual No.'14•SCM-T-167

updated November 27, 2014

INVERTER MULTI-SPLIT SYSTEM RESIDENTIAL AIR-CONDITIONERS (Split system, air to air heat pump type)

(OUTDOOR UNIT)

SCM40ZM-S	SCM71ZM-S
45ZM-S	80ZM-S
50ZM-S	100ZM-S
60ZM-S	125ZM-S

(INDOOR UNIT)

Wall mounted type

SRK20ZMX-S
25ZMX-S
35ZMX-S
50ZMX-S
60ZMX-S

Floor standing type

SRF25ZMX-S
35ZMX-S
50ZMX-S

Ceiling concealed type

SRR25ZJ-S
35ZJ-S
50ZJ-S
60ZJ-S1

SRK20ZM-S
25ZM-S
35ZM-S
50ZM-S
SRK71ZM-S

4way ceiling cassette type

FDTC25VF
35VF
50VF
60VF

Ceiling suspended type

FDEN50VF

Duct connected Low/Middle static pressure type
FDUM50VF

 **MITSUBISHI HEAVY INDUSTRIES, LTD.**

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This technical manual describes matters related to the outdoor units.
 For any others and those related to the indoor units, refer to the Technical Manual '14 • SCM-T-150.
 For applicable models, refer to the following comparison table.

■ Table of outdoor unit models

Outdoor unit	Regarding the outdoor unit
SCM40ZM-S	SCM40ZJ-S
SCM45ZM-S	SCM45ZJ-S
SCM50ZM-S	SCM50ZJ-S1
SCM60ZM-S	SCM60ZJ-S1
SCM71ZM-S	SCM71ZJ-S1
SCM80ZM-S	SCM80ZJ-S1
SCM100ZM-S	SCM100ZJ-S1
SCM125ZM-S	SCM125ZJ-S1

1. SPECIFICATIONS

Adapted to RoHS directive

Item		Model	SCM40ZM-S																						
Cooling capacity (1)		W	4000 (1800 (Min.)–5900 (Max.))																						
Heating capacity (1)		W	4500 (1400 (Min.)–6900 (Max.))																						
Power source			1 Phase, 220–240 V, 50Hz																						
Operation data (1)	Power consumption	Cooling	kW	0.84 (0.49–1.90)																					
		Heating		0.90 (0.47–2.30)																					
	Running current	Cooling	A	3.9 / 3.7 / 3.5 (220 / 230 / 240 V)																					
		Heating		4.1 / 4.0 / 3.8 (220 / 230 / 240 V)																					
	Inrush current			4.1 / 4.0 / 3.8 (220 / 230 / 240 V)																					
	Max current (5)			14																					
	COP	Cooling		4.76																					
		Heating		5.00																					
	Noise level	Cooling	Sound level	dB (A)	47																				
			Power level		60																				
Heating		Sound level	dB (A)	48																					
		Power level		62																					
Exterior dimensions (Height x Width x Depth)		mm	640 x 850 x 290																						
Exterior appearance (Munsell color)			Stucco white (4.2Y 7.5/1.1) near equivalent																						
Net weight		kg	47																						
Refrigerant equipment	Compressor type & Q'ty			RM-T5113MDE2 (Twin rotary type) x 1																					
	Motor (Starting method)		kW	1.4 (Line starting)																					
	Refrigerant oil		ℓ	0.45 (DIAMOND FREEZE MA68)																					
	Refrigerant (4)		kg	R410A 2 (Pre-Charged up to the piping length of 30m)																					
	Heat exchanger			M fins & inner grooved tubing																					
	Refrigerant control			Capillary tubes + Electronic expansion valve																					
Device control			Microcomputer control																						
Air handling equipment	Fan type & Q'ty			Propeller fan x 1																					
	Motor		W	34																					
	Air flow	Cooling	m ³ /min	40.0																					
Heating		40.0																							
Shock & vibration absorber			Cushion rubber (for compressor)																						
Electric heater			Crank case heater (220V 20W)																						
Safety devices			Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Outdoor fan motor error protection, Heating & Cooling overload protection																						
Installation data	Refrigerant piping size (O.D)		mm	Liquid line: ϕ 6.35 (1/4") x 2																					
				Gas line: ϕ 9.52 (3/8") x 2																					
	Connecting method			Flare connecting																					
	Insulation for piping			Necessary (Both sides), independent																					
	Length for one indoor unit		m	Max. 25																					
	Total length for all rooms			Max. 30																					
Vertical height difference between outdoor unit and indoor unit		Max. 15 (Outdoor unit is higher) Max. 15 (Outdoor unit is lower)																							
Height difference of the indoor units		Max. 25																							
Recommended breaker size		A	25																						
Connection wiring	Size x Core number		1.5mm ² x 4 cores (Including earth cable)																						
	Connecting method		Terminal block (Screw fixing type)																						
IP number			IPX4																						
Accessories (included)			Installation sheet, Elbow, Grommet																						
Indoor unit to be combined			SRK20,25,35ZMX(A)-S SRK20,25,35ZM(A)-S SRF25,35ZMX(A)-S SRR25,35ZJ-S FDC25,35VF																						
Number of connectable indoor units			2																						
Total of indoor units		kW	Max. 6																						
<p>Note (1) The data are measured at the following conditions. The pipe length for one indoor unit is 7.5m.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Operation \ Item</th> <th colspan="2">Indoor air temperature</th> <th colspan="2">Outdoor air temperature</th> <th rowspan="2">Standards</th> </tr> <tr> <th>DB</th> <th>WB</th> <th>DB</th> <th>WB</th> </tr> </thead> <tbody> <tr> <td>Cooling</td> <td>27°C</td> <td>19°C</td> <td>35°C</td> <td>24°C</td> <td rowspan="2">ISO-T1, JIS C 9612</td> </tr> <tr> <td>Heating</td> <td>20°C</td> <td>—</td> <td>7°C</td> <td>6°C</td> </tr> </tbody> </table> <p>(2) This air-conditioner is manufactured and tested in conformity with the ISO. (3) The operation data are applied to the 220/230/240V districts respectively. (4) The refrigerant quantity to be charged includes the refrigerant in 30m connecting piping. (Purging is not required even for the short piping.) (5) Current value at maximum number of indoor units connected.</p>					Operation \ Item	Indoor air temperature		Outdoor air temperature		Standards	DB	WB	DB	WB	Cooling	27°C	19°C	35°C	24°C	ISO-T1, JIS C 9612	Heating	20°C	—	7°C	6°C
Operation \ Item	Indoor air temperature		Outdoor air temperature			Standards																			
	DB	WB	DB	WB																					
Cooling	27°C	19°C	35°C	24°C	ISO-T1, JIS C 9612																				
Heating	20°C	—	7°C	6°C																					

RWC000Z284

Adapted to RoHS directive

Item		Model	SCM45ZM-S		
Cooling capacity (1)		W	4500 (1800 (Min.)–6400 (Max.))		
Heating capacity (1)		W	5600 (1400 (Min.)–7400 (Max.))		
Power source			1 Phase, 220–240 V, 50Hz		
Operation data (1)	Power consumption	Cooling	kW	1.04 (0.49–2.14)	
		Heating		1.20 (0.47–2.57)	
	Running current	Cooling	A	4.8 / 4.6 / 4.4 (220 / 230 / 240 V)	
		Heating		5.5 / 5.3 / 5.1 (220 / 230 / 240 V)	
	Inrush current			5.5 / 5.3 / 5.1 (220 / 230 / 240 V)	
	Max current (5)			14	
	COP		Cooling		4.33
			Heating		4.67
	Noise level	Cooling	Sound level	dB (A)	47
			Power level		60
Heating		Sound level	dB (A)	49	
		Power level		62	
Exterior dimensions (Height x Width x Depth)		mm	640 x 850 x 290		
Exterior appearance (Munsell color)			Stucco white (4.2Y 7.5/1.1) near equivalent		
Net weight		kg	47		
Refrigerant equipment	Compressor type & Q'ty			RM-T5113MDE2 (Twin rotary type) x 1	
	Motor (Starting method)		kW	1.4 (Line starting)	
	Refrigerant oil		ℓ	0.45 (DIAMOND FREEZE MA68)	
	Refrigerant (4)		kg	R410A 2 (Pre-Charged up to the piping length of 30m)	
	Heat exchanger			M fins & inner grooved tubing	
	Refrigerant control			Capillary tubes + Electronic expansion valve	
Device control			Microcomputer control		
Air handling equipment	Fan type & Q'ty			Propeller fan x 1	
	Motor		W	34	
	Air flow	Cooling	m ³ /min	40.0	
Heating		40.0			
Shock & vibration absorber			Cushion rubber (for compressor)		
Electric heater			Crank case heater (220V 20W)		
Safety devices			Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Outdoor fan motor error protection, Heating & Cooling overload protection		
Installation data	Refrigerant piping size (O.D)		mm	Liquid line: φ 6.35 (1/4") x 2 Gas line: φ 9.52 (3/8") x 2	
	Connecting method			Flare connecting	
	Insulation for piping			Necessary (Both sides), independent	
	Length for one indoor unit			Max. 25	
	Total length for all rooms			Max. 30	
	Vertical height difference between outdoor unit and indoor unit		m	Max. 15 (Outdoor unit is higher) Max. 15 (Outdoor unit is lower)	
Height difference of the indoor units			Max. 25		
Recommended breaker size		A	25		
Connection wiring	Size x Core number			1.5mm ² x 4 cores (Including earth cable)	
	Connecting method			Terminal block (Screw fixing type)	
IP number			IPX4		
Accessories (included)			Installation sheet, Elbow, Grommet		
Indoor unit to be combined			SRK20,25,35ZMX(A)-S SRK20,25,35ZM(A)-S SRF25,35ZMX(A)-S SRR25,35ZJ-S FDT25,35VF		
Number of connectable indoor units			2		
Total of indoor units		kW	Max. 7		

Note (1) The data are measured at the following conditions. The pipe length for one indoor unit is 7.5m.

Item	Indoor air temperature		Outdoor air temperature		Standards
	DB	WB	DB	WB	
Cooling	27°C	19°C	35°C	24°C	ISO-T1, JIS C 9612
Heating	20°C	—	7°C	6°C	

- (2) This air-conditioner is manufactured and tested in conformity with the ISO.
- (3) The operation data are applied to the 220/230/240V districts respectively.
- (4) The refrigerant quantity to be charged includes the refrigerant in 30m connecting piping.
(Purging is not required even for the short piping.)
- (5) Current value at maximum number of indoor units connected.

RWC000Z284

Adapted to RoHS directive

Item		Model	SCM50ZM-S			
Cooling capacity (1)		W	5000 (1800 (Min.)–7100 (Max.))			
Heating capacity (1)		W	6000 (1400 (Min.)–7500 (Max.))			
Power source			1 Phase, 220–240 V, 50Hz			
Operation data (1)	Power consumption	Cooling	kW	1.08 (0.50–2.15)		
		Heating		1.31 (0.48–2.58)		
	Running current	Cooling	A	5.0 / 4.7 / 4.5 (220 / 230 / 240 V)		
		Heating		6.0 / 5.8 / 5.5 (220 / 230 / 240 V)		
	Inrush current			6.0 / 5.8 / 5.5 (220 / 230 / 240 V)		
	Max current (5)			15		
	COP		Cooling		4.63	
			Heating		4.58	
	Noise level	Cooling	Sound level	dB (A)	49	
			Power level		62	
Heating		Sound level	dB (A)	52		
		Power level		65		
Exterior dimensions (Height x Width x Depth)		mm	640 x 850 x 290			
Exterior appearance (Munsell color)			Stucco white (4.2Y 7.5/1.1) near equivalent			
Net weight		kg	48			
Refrigerant equipment	Compressor type & Q'ty			RM-T5113MDE2 (Twin rotary type) x 1		
	Motor (Starting method)		kW	1.4 (Line starting)		
	Refrigerant oil		ℓ	0.45 (DIAMOND FREEZE MA68)		
	Refrigerant (4)		kg	R410A 2.5 (Pre-Charged up to the piping length of 40m)		
	Heat exchanger			M fins & inner grooved tubing		
	Refrigerant control			Capillary tubes + Electronic expansion valve		
Device control			Microcomputer control			
Air handling equipment	Fan type & Q'ty			Propeller fan x 1		
	Motor		W	34		
	Air flow	Cooling	m ³ /min	41.0		
Heating		41.0				
Shock & vibration absorber			Cushion rubber (for compressor)			
Electric heater			Crank case heater (220V 20W)			
Safety devices			Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Outdoor fan motor error protection, Heating & Cooling overload protection			
Installation data	Refrigerant piping size (O.D)		mm	Liquid line: ϕ 6.35 (1/4") x 3 Gas line: ϕ 9.52 (3/8") x 3		
	Connecting method			Flare connecting		
	Insulation for piping			Necessary (Both sides), independent		
	Length for one indoor unit		m	Max. 25		
	Total length for all rooms			Max. 40		
	Vertical height difference between outdoor unit and indoor unit			Max. 15 (Outdoor unit is higher) Max. 15 (Outdoor unit is lower)		
Height difference of the indoor units		Max. 25				
Recommended breaker size		A	25			
Connection wiring	Size x Core number			1.5mm ² x 4 cores (Including earth cable)		
	Connecting method			Terminal block (Screw fixing type)		
IP number			IPX4			
Accessories (included)			Union : (ϕ 9.52 → ϕ 12.7) x 1, Installation sheet, Elbow, Grommet			
Indoor unit to be combined			SRK20,25,35,50ZMX(A)-S SRK20,25,35,50ZM(A)-S SRF25,35,50ZMX(A)-S SRR25,35,50ZJ-S FDTC25,35,50VF FDEN50VF,FDUM50VF			
Number of connectable indoor units			Min. 2–Max. 3			
Total of indoor units		kW	Max. 8.5			
Note (1) The data are measured at the following conditions. The pipe length for one indoor unit is 7.5m.						
Operation	Item	Indoor air temperature		Outdoor air temperature		Standards
		DB	WB	DB	WB	
	Cooling	27°C	19°C	35°C	24°C	
Heating	20°C	—	7°C	6°C		
(2) This air-conditioner is manufactured and tested in conformity with the ISO.						
(3) The operation data are applied to the 220/230/240V districts respectively.						
(4) The refrigerant quantity to be charged includes the refrigerant in 40m connecting piping. (Purging is not required even for the short piping.)						
(5) Current value at maximum number of indoor units connected.						

RWC000Z284

Adapted to RoHS directive

Item		Model	SCM60ZM-S			
Cooling capacity (1)		W	6000 (1800 (Min.)–7500 (Max.))			
Heating capacity (1)		W	6800 (1500 (Min.)–7800 (Max.))			
Power source			1 Phase, 220–240 V, 50Hz			
Operation data (1)	Power consumption	Cooling	kW	1.43 (0.50–2.39)		
		Heating		1.51 (0.60–3.00)		
	Running current	Cooling	A	6.8 / 6.5 / 6.2 (220 / 230 / 240 V)		
		Heating		7.1 / 6.8 / 6.6 (220 / 230 / 240 V)		
	Inrush current			7.1 / 6.8 / 6.6 (220 / 230 / 240 V)		
	Max current (5)			17		
	COP	Cooling		4.2		
		Heating		4.5		
	Noise level	Cooling	Sound level	dB(A)	50	
			Power level	dB	63	
Heating		Sound level	dB(A)	52		
		Power level	dB	65		
Exterior dimensions (Height x Width x Depth)		mm	640 x 850 x 290			
Exterior appearance (Munsell color)			Stucco white (4.2Y 7.5/1.1) near equivalent			
Net weight		kg	49			
Refrigerant equipment	Compressor type & Q'ty			RM-T5118MDE2 (Twin rotary type) x 1		
	Motor (Starting method)		kW	1.4 (Line starting)		
	Refrigerant oil		ℓ	0.675 (DIAMOND FREEZE MA68)		
	Refrigerant (4)		kg	R410A 2.5 (Pre-Charged up to the piping length of 40m)		
	Heat exchanger			M fins & inner grooved tubing		
	Refrigerant control			Capillary tubes + Electronic expansion valve		
	Device control			Microcomputer control		
Air handling equipment	Fan type & Q'ty			Propeller fan x 1		
	Motor		W	34		
	Air flow	Cooling	m ³ /min	42.0		
		Heating		42.0		
Shock & vibration absorber			Cushion rubber (for compressor)			
Electric heater			Crank case heater (220V 20W)			
Safety devices			Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Outdoor fan motor error protection, Heating & Cooling overload protection			
Installation data	Refrigerant piping size (O.D)		mm	Liquid line: ϕ 6.35 (1/4") x 3		
				Gas line: ϕ 9.52 (3/8") x 3		
	Connecting method			Flare connecting		
	Insulation for piping			Necessary (Both sides), independent		
	Length for one indoor unit		m	Max. 25		
	Total length for all rooms			Max. 40		
	Vertical height difference between outdoor unit and indoor unit			Max. 15 (Outdoor unit is higher) Max. 15 (Outdoor unit is lower)		
Height difference of the indoor units		Max. 25				
Recommended breaker size		A	25			
Connection wiring	Size x Core number		1.5mm ² x 4 cores (Including earth cable)			
	Connecting method		Terminal block (Screw fixing type)			
IP number			IPX4			
Accessories (included)			Union : (ϕ 9.52 → ϕ 12.7) x 2, Installation sheet, Elbow, Grommet			
Indoor unit to be combined			SRK20,25,35,50,60ZMX(A)-S SRK20,25,35,50ZM(A)-S SRF25,35,50ZMX(A)-S SRR25,35,50ZJ-S,60ZJ-S1 FDTC25,35,50,60VF FDEN50VF,FDUM50VF			
Number of connectable indoor units			Min. 2–Max. 3			
Total of indoor units		kW	Max. 11			
Note (1) The data are measured at the following conditions. The pipe length for one indoor unit is 7.5m.						
Operation	Item	Indoor air temperature		Outdoor air temperature		Standards
		DB	WB	DB	WB	
	Cooling	27°C	19°C	35°C	24°C	
Heating	20°C	—	7°C	6°C		
(2) This air-conditioner is manufactured and tested in conformity with the ISO. (3) The operation data are applied to the 220/230/240V districts respectively. (4) The refrigerant quantity to be charged includes the refrigerant in 40m connecting piping. (Purging is not required even for the short piping.) (5) Current value at maximum number of indoor units connected.						

RWC000Z284

Adapted to RoHS directive

Item		Model	SCM712M-S																									
Cooling capacity (1)		W	7100 (1800 (Min.)–8800 (Max.))																									
Heating capacity (1)		W	8600 (1500 (Min.)–9400 (Max.))																									
Power source			1 Phase, 220–240 V, 50Hz																									
Operation data (1)	Power consumption	Cooling	kW	1.74 (0.48–2.75)																								
		Heating		2.00 (0.60–3.35)																								
	Running current	Cooling	A	8.0 / 7.6 / 7.3 (220 / 230 / 240 V)																								
		Heating		9.2 / 8.8 / 8.4 (220 / 230 / 240 V)																								
	Inrush current			9.2 / 8.8 / 8.4 (220 / 230 / 240 V)																								
	Max current (5)			20																								
	COP		Cooling	4.08																								
			Heating	4.30																								
	Noise level	Cooling	Sound level	dB (A)																								
			Power level	dB																								
Heating		Sound level	dB (A)																									
		Power level	dB																									
Exterior dimensions (Height x Width x Depth)		mm	750 x 880 x 340																									
Exterior appearance (Munsell color)			Stucco white (4.2Y 7.5/1.1) near equivalent																									
Net weight		kg	62																									
Refrigerant equipment	Compressor type & Q'ty		RM-T5118MDE2 (Twin rotary type) x 1																									
	Motor (Starting method)		kW																									
	Refrigerant oil		ℓ																									
	Refrigerant (4)		kg																									
	Heat exchanger																											
	Refrigerant control																											
Device control																												
Air handling equipment	Fan type & Q'ty		Propeller fan x 1																									
	Motor		W																									
	Air flow	Cooling	m ³ /min																									
		Heating	m ³ /min																									
Shock & vibration absorber			Cushion rubber (for compressor)																									
Electric heater			Crank case heater (220V 20W)																									
Safety devices			Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Outdoor fan motor error protection, Heating & Cooling overload protection																									
Installation data	Refrigerant piping size (O.D)		mm																									
	Connecting method																											
	Insulation for piping																											
	Length for one indoor unit		m																									
	Total length for all rooms		m																									
	Vertical height difference between outdoor unit and indoor unit		m																									
	Height difference of the indoor units		m																									
Recommended breaker size		A	25																									
Connection wiring	Size x Core number		1.5mm ² x 4 cores (Including earth cable)																									
	Connecting method		Terminal block (Screw fixing type)																									
IP number			IPX4																									
Accessories (included)			Union : (φ 9.52 → φ 12.7) × 2, Installation sheet, Elbow, Grommet × 2																									
Indoor unit to be combined			SRK20,25,35,50,60ZMX(A)-S SRK20,25,35,50ZM(A)-S SRF25,35,50ZMX(A)-S SRR25,35,50ZJ-S,60ZJ-S1 FDT25,35,50,60VF FDEN50VF,FDUM50VF																									
Number of connectable indoor units			Min. 2–Max. 4																									
Total of indoor units		kW	Max. 12.5																									
<p>Note (1) The data are measured at the following conditions. The pipe length for one indoor unit is 7.5m.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Operation</th> <th rowspan="2">Item</th> <th colspan="2">Indoor air temperature</th> <th colspan="2">Outdoor air temperature</th> <th rowspan="2">Standards</th> </tr> <tr> <th>DB</th> <th>WB</th> <th>DB</th> <th>WB</th> </tr> </thead> <tbody> <tr> <td>Cooling</td> <td></td> <td>27°C</td> <td>19°C</td> <td>35°C</td> <td>24°C</td> <td rowspan="2">ISO-T1, JIS C 9612</td> </tr> <tr> <td>Heating</td> <td></td> <td>20°C</td> <td>—</td> <td>7°C</td> <td>6°C</td> </tr> </tbody> </table> <p>(2) This air-conditioner is manufactured and tested in conformity with the ISO. (3) The operation data are applied to the 220/230/240V districts respectively. (4) The refrigerant quantity to be charged includes the refrigerant in 40m connecting piping. (Purging is not required even for the short piping.) (5) Current value at maximum number of indoor units connected.</p>					Operation	Item	Indoor air temperature		Outdoor air temperature		Standards	DB	WB	DB	WB	Cooling		27°C	19°C	35°C	24°C	ISO-T1, JIS C 9612	Heating		20°C	—	7°C	6°C
Operation	Item	Indoor air temperature		Outdoor air temperature			Standards																					
		DB	WB	DB	WB																							
Cooling		27°C	19°C	35°C	24°C	ISO-T1, JIS C 9612																						
Heating		20°C	—	7°C	6°C																							

RWC000Z284

Adapted to RoHS directive

Item		Model	SCM80ZM-S			
Cooling capacity (1)		W	8000 (1800 (Min.)–9200 (Max.))			
Heating capacity (1)		W	9300 (1500 (Min.)–9800 (Max.))			
Power source			1 Phase, 220–240 V, 50Hz			
Operation data (1)	Power consumption	Cooling	kW	2.16 (0.48–2.83)		
		Heating		2.26 (0.60–3.43)		
	Running current	Cooling	A	9.9 / 9.4 / 9.0 (220 / 230 / 240 V)		
		Heating		10.4 / 10.0 / 9.5 (220 / 230 / 240 V)		
	Inrush current			10.4 / 10.0 / 9.5 (220 / 230 / 240 V)		
	Max current (5)			20		
	COP	Cooling		3.70		
		Heating		4.12		
	Noise level	Cooling	Sound level	dB(A)	54	
			Power level	dB	66	
Heating		Sound level	dB(A)	54		
		Power level	dB	66		
Exterior dimensions (Height x Width x Depth)		mm	750 x 880 x 340			
Exterior appearance (Munsell color)			Stucco white (4.2Y 7.5/1.1) near equivalent			
Net weight		kg	62			
Refrigerant equipment	Compressor type & Q'ty			RM-T5118MDE2 (Twin rotary type) x 1		
	Motor (Starting method)		kW	1.4 (Line starting)		
	Refrigerant oil		ℓ	0.675 (DIAMOND FREEZE MA68)		
	Refrigerant (4)		kg	R410A 3.15 (Pre-Charged up to the piping length of 40m)		
	Heat exchanger			M fins & inner grooved tubing		
	Refrigerant control			Capillary tubes + Electronic expansion valve		
	Device control			Microcomputer control		
Air handling equipment	Fan type & Q'ty			Propeller fan x 1		
	Motor		W	86		
	Air flow	Cooling	m ³ /min	56.0		
		Heating		56.0		
Shock & vibration absorber			Cushion rubber (for compressor)			
Electric heater			Crank case heater (220V 20W)			
Safety devices			Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Outdoor fan motor error protection, Heating & Cooling overload protection			
Installation data	Refrigerant piping size (O.D)		mm	Liquid line: ϕ 6.35 (1/4") x 4		
				Gas line: ϕ 9.52 (3/8") x 4		
	Connecting method			Flare connecting		
	Insulation for piping			Necessary (Both sides), independent		
	Length for one indoor unit		m	Max. 25		
	Total length for all rooms			Max. 70		
	Vertical height difference between outdoor unit and indoor unit			Max. 20 (Outdoor unit is higher) Max. 20 (Outdoor unit is lower)		
Height difference of the indoor units		Max. 25				
Recommended breaker size		A	25			
Connection wiring	Size x Core number		1.5mm ² x 4 cores (Including earth cable)			
	Connecting method		Terminal block (Screw fixing type)			
IP number			IPX4			
Accessories (included)			Union : (ϕ 9.52 → ϕ 12.7) x 2, Installation sheet, Elbow, Grommet x 2			
Indoor unit to be combined			SRK20,25,35,50,60ZMX(A)-S SRK20,25,35,50ZM(A)-S SRF25,35,50ZMX(A)-S SRR25,35,50ZJ-S,60ZJ-S1 FDT25,35,50,60VF FDEN50VF,FDUM50VF			
Number of connectable indoor units			Min. 2–Max. 4			
Total of indoor units		kW	Max. 13.5			
Note (1) The data are measured at the following conditions. The pipe length for one indoor unit is 7.5m.						
Operation	Item	Indoor air temperature		Outdoor air temperature		Standards
		DB	WB	DB	WB	
	Cooling	27°C	19°C	35°C	24°C	
Heating	20°C	—	7°C	6°C		
(2) This air-conditioner is manufactured and tested in conformity with the ISO.						
(3) The operation data are applied to the 220/230/240V districts respectively.						
(4) The refrigerant quantity to be charged includes the refrigerant in 40m connecting piping. (Purging is not required even for the short piping.)						
(5) Current value at maximum number of indoor units connected.						

RWC000Z284

Adapted to RoHS directive

Item		Model	SCM100ZM-S																															
Cooling capacity (1)		W	10000 (1800 (Min.)–12000 (Max.))																															
Heating capacity (1)		W	12000 (1500 (Min.)–13500 (Max.))																															
Power source			1 Phase, 220–240 V, 50Hz																															
Operation data (1)	Power consumption	Cooling	kW	2.86 (0.65–4.03)																														
		Heating		2.93 (0.70–3.40)																														
	Running current	Cooling	A	13.0 / 12.4 / 11.9 (220 / 230 / 240 V)																														
		Heating		13.3 / 12.8 / 12.2 (220 / 230 / 240 V)																														
	Inrush current			13.3 / 12.8 / 12.2 (220 / 230 / 240 V)																														
	Max current (6)			28																														
	COP	Cooling		3.50																														
		Heating		4.10																														
	Noise level	Cooling	Sound level	dB (A)	56																													
			Power level	dB	68																													
Heating		Sound level	dB (A)	59																														
		Power level	dB	71																														
Exterior dimensions (Height x Width x Depth)		mm	945 x 970 x 370																															
Exterior appearance (Munsell color)			Stucco white (4.2Y 7.5/1.1) near equivalent																															
Net weight		kg	92																															
Refrigerant equipment	Compressor type & Q'ty			RM-T5126MDE21 (Twin rotary type) x 1																														
	Motor (Starting method)		kW	4.0 (Line starting)																														
	Refrigerant oil		ℓ	1.0 (DIAMOND FREEZE MA68)																														
	Refrigerant (4)		kg	R410A 6.00 (Pre-Charged up to the piping length of 50m)																														
	Heat exchanger			M fins & inner grooved tubing																														
	Refrigerant control			Capillary tubes + Electronic expansion valve																														
Device control			Microcomputer control																															
Air handling equipment	Fan type & Q'ty			Propeller fan x 1																														
	Motor		W	86																														
	Air flow	Cooling	m ³ /min	75.0																														
Heating		75.0																																
Shock & vibration absorber			Cushion rubber (for compressor)																															
Electric heater			Crank case heater (220V 20W)																															
Safety devices			Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Outdoor fan motor error protection, Heating & Cooling overload protection																															
Installation data	Refrigerant piping size (O.D)		mm	Liquid line: φ 6.35 (1/4") x 5 Gas line: φ 9.52 (3/8") x 5																														
	Connecting method			Flare connecting																														
	Insulation for piping			Necessary (Both sides), independent																														
	Length for one indoor unit		m	Max. 25																														
	Total length for all rooms			Max. 90																														
	Vertical height difference between outdoor unit and indoor unit			Max. 20 (Outdoor unit is higher) Max. 20 (Outdoor unit is lower)																														
Height difference of the indoor units		Max. 25																																
Recommended breaker size		A	30																															
Connection wiring	Size x Core number			1.5mm ² x 4 cores (Including earth cable)																														
	Connecting method			Terminal block (Screw fixing type)																														
IP number			IPX4																															
Accessories (included)			Union, Installation sheet, Elbow, Grommet x 2																															
Indoor unit to be combined			SRK20,25,35,50,60ZMX(A)-S,SRK20,25,35,50,71ZM(A)-S SRF25,35,50ZMX(A)-S SRR25,35,50ZJ-S,60ZJ-S1 FDTC25,35,50,60VF FDEN50VF,FDUM50VF																															
Number of connectable indoor units			Min. 2–Max. 5 (5)																															
Total of indoor units		kW	Max. 16.0																															
<p>Note (1) The data are measured at the following conditions. The pipe length for one indoor unit is 7.5m.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Operation</th> <th rowspan="2">Item</th> <th colspan="2">Indoor air temperature</th> <th colspan="2">Outdoor air temperature</th> <th rowspan="2">Standards</th> </tr> <tr> <th>DB</th> <th>WB</th> <th>DB</th> <th>WB</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Cooling</td> <td></td> <td>27°C</td> <td>19°C</td> <td>35°C</td> <td>24°C</td> <td rowspan="3">ISO-T1, JIS C 9612</td> </tr> <tr> <td></td> <td>20°C</td> <td>—</td> <td>7°C</td> <td>6°C</td> </tr> <tr> <td>Heating</td> <td></td> <td>20°C</td> <td>—</td> <td>7°C</td> <td>6°C</td> </tr> </tbody> </table> <p>(2) This air-conditioner is manufactured and tested in conformity with the ISO. (3) The operation data are applied to the 220/230/240V districts respectively. (4) The refrigerant quantity to be charged includes the refrigerant in 50m connecting piping. (Purging is not required even for the short piping.) (5) In case of combination with SRK-ZMX-S, SRK71ZM-S, FDEN50VF only 3 indoor units can be connectable. In case of SRK71ZM-S+SRK71ZM-S, 2 indoor units can be connectable. (6) Current value at maximum number of indoor units connected.</p>						Operation	Item	Indoor air temperature		Outdoor air temperature		Standards	DB	WB	DB	WB	Cooling		27°C	19°C	35°C	24°C	ISO-T1, JIS C 9612		20°C	—	7°C	6°C	Heating		20°C	—	7°C	6°C
Operation	Item	Indoor air temperature		Outdoor air temperature				Standards																										
		DB	WB	DB	WB																													
Cooling		27°C	19°C	35°C	24°C	ISO-T1, JIS C 9612																												
		20°C	—	7°C	6°C																													
Heating		20°C	—	7°C	6°C																													

RWC000Z284

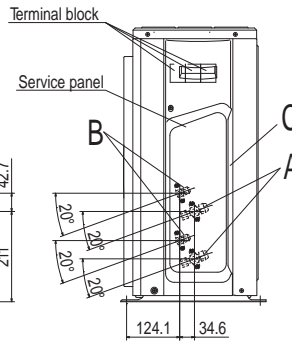
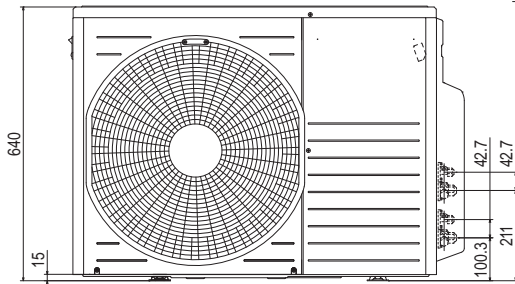
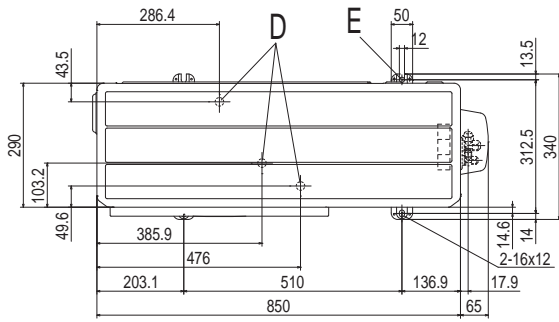
Adapted to RoHS directive

Item		Model	SCM125ZM-S																															
Cooling capacity (1)		W	12500 (1800 (Min.)–14000 (Max.))																															
Heating capacity (1)		W	13500 (1500 (Min.)–14000 (Max.))																															
Power source			1 Phase, 220–240 V, 50Hz																															
Operation data (1)	Power consumption	Cooling	kW	3.90 (0.65–4.80)																														
		Heating		3.25 (0.70–3.42)																														
	Running current	Cooling	A	17.7 / 17.0 / 16.3 (220 / 230 / 240 V)																														
		Heating		14.8 / 14.1 / 13.6 (220 / 230 / 240 V)																														
	Inrush current			17.7 / 17.0 / 16.3 (220 / 230 / 240 V)																														
	Max current (6)			29																														
	COP	Cooling		3.21																														
		Heating		4.15																														
	Noise level	Cooling	Sound level	dB (A)	57																													
			Power level	dB	69																													
Heating		Sound level	dB (A)	60																														
		Power level	dB	72																														
Exterior dimensions (Height x Width x Depth)		mm	945 x 970 x 370																															
Exterior appearance (Munsell color)			Stucco white (4.2Y 7.5/1.1) near equivalent																															
Net weight		kg	92																															
Refrigerant equipment	Compressor type & Q'ty			RM-T5126MDE21 (Twin rotary type) x 1																														
	Motor (Starting method)		kW	4.0 (Line starting)																														
	Refrigerant oil		ℓ	1.0 (DIAMOND FREEZE MA68)																														
	Refrigerant (4)		kg	R410A 6.00 (Pre-Charged up to the piping length of 50m)																														
	Heat exchanger			M fins & inner grooved tubing																														
	Refrigerant control			Capillary tubes + Electronic expansion valve																														
	Device control			Microcomputer control																														
Air handling equipment	Fan type & Q'ty			Propeller fan x 1																														
	Motor		W	86																														
	Air flow	Cooling	m³/min	75.0																														
		Heating		82.0																														
Shock & vibration absorber			Cushion rubber (for compressor)																															
Electric heater			Crank case heater (220V 20W)																															
Safety devices			Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Outdoor fan motor error protection, Heating & Cooling overload protection																															
Installation data	Refrigerant piping size (O.D)		mm	Liquid line: φ 6.35 (1/4") x 6 Gas line: φ 9.52 (3/8") x 6																														
	Connecting method			Flare connecting																														
	Insulation for piping			Necessary (Both sides), independent																														
	Length for one indoor unit		m	Max. 25																														
	Total length for all rooms			Max. 90																														
	Vertical height difference between outdoor unit and indoor unit			Max. 20 (Outdoor unit is higher) Max. 20 (Outdoor unit is lower)																														
	Height difference of the indoor units			Max. 25																														
Recommended breaker size		A	30																															
Connection wiring	Size x Core number			1.5mm² x 4 cores (Including earth cable)																														
	Connecting method			Terminal block (Screw fixing type)																														
IP number			IPX4																															
Accessories (included)			Union, Installation sheet, Elbow, Grommet x 2																															
Indoor unit to be combined			SRK20,25,35,50,60ZMX(A)-S,SRK20,25,35,50,71ZM(A)-S SRF25,35,50ZMX(A)-S SRR25,35,50ZJ-S,60ZJ-S1 FDTC25,35,50,60VF FDEN50VF,FDUM50VF																															
Number of connectable indoor units			Min. 2–Max. 6 (5)																															
Total of indoor units		kW	Max. 19.5																															
<p>Note (1) The data are measured at the following conditions. The pipe length for one indoor unit is 7.5m.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Operation</th> <th rowspan="2">Item</th> <th colspan="2">Indoor air temperature</th> <th colspan="2">Outdoor air temperature</th> <th rowspan="2">Standards</th> </tr> <tr> <th>DB</th> <th>WB</th> <th>DB</th> <th>WB</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Cooling</td> <td></td> <td>27°C</td> <td>19°C</td> <td>35°C</td> <td>24°C</td> <td rowspan="3">ISO-T1, JIS C 9612</td> </tr> <tr> <td></td> <td>20°C</td> <td>—</td> <td>7°C</td> <td>6°C</td> </tr> <tr> <td>Heating</td> <td></td> <td>20°C</td> <td>—</td> <td>7°C</td> <td>6°C</td> </tr> </tbody> </table> <p>(2) This air-conditioner is manufactured and tested in conformity with the ISO. (3) The operation data are applied to the 220/230/240V districts respectively. (4) The refrigerant quantity to be charged includes the refrigerant in 50m connecting piping. (Purging is not required even for the short piping.) (5) In case of combination with SRK-ZMX-S, SRK71ZM-S, FDEN50VF only, 3 indoor units can be connectable. In case of SRK71ZM-S+SRK71ZM-S, 2 indoor units can be connectable. (6) Current value at maximum number of indoor units connected.</p>						Operation	Item	Indoor air temperature		Outdoor air temperature		Standards	DB	WB	DB	WB	Cooling		27°C	19°C	35°C	24°C	ISO-T1, JIS C 9612		20°C	—	7°C	6°C	Heating		20°C	—	7°C	6°C
Operation	Item	Indoor air temperature		Outdoor air temperature				Standards																										
		DB	WB	DB	WB																													
Cooling		27°C	19°C	35°C	24°C	ISO-T1, JIS C 9612																												
		20°C	—	7°C	6°C																													
Heating		20°C	—	7°C	6°C																													

RWC000Z284

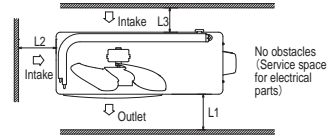
RWC0002280

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



Note

- (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 service panel.



Minimum installation space

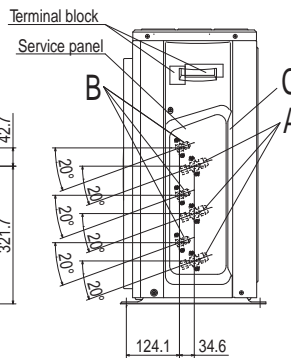
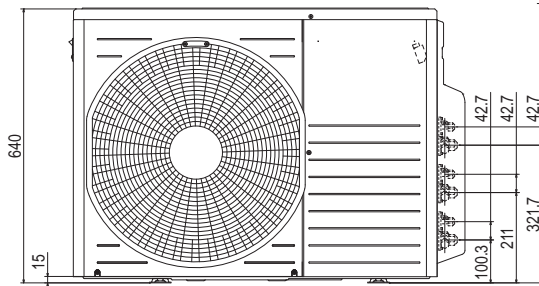
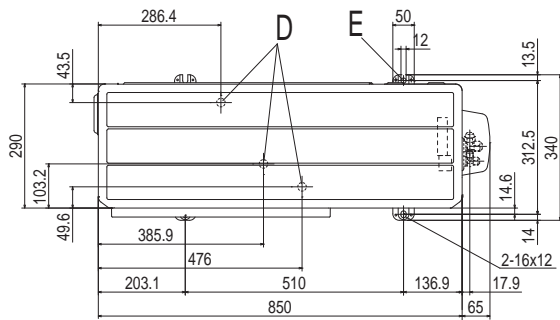
Examples of Installation	
Dimensions	
L1	600
L2	100
L3	100

Unit:mm

2. EXTERIOR DIMENSIONS
Models SCM402M-S, 452M-S

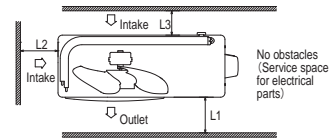
RWC0002281

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



Note

- (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 service panel.



Minimum installation space

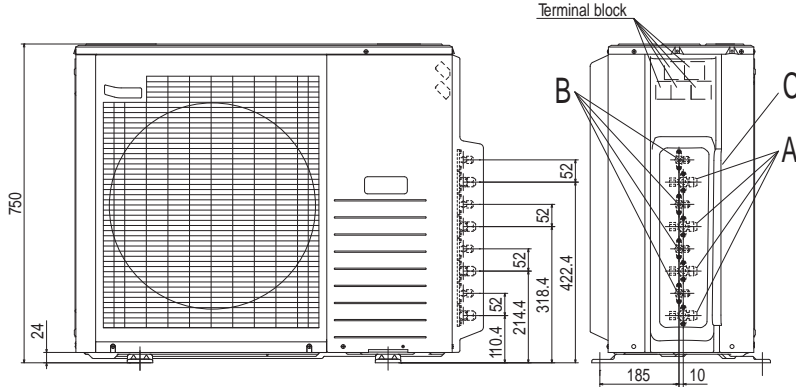
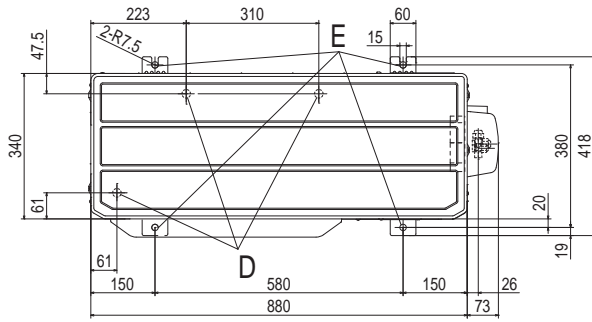
Examples of Installation	
Dimensions	
L1	600
L2	100
L3	100

Unit:mm

Models SCM50ZM-S, 60ZM-S

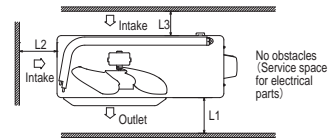
RWC0002277

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 $\phi 20$ x 3 places
E	Anchor bolt hole M10 x 4 places



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.

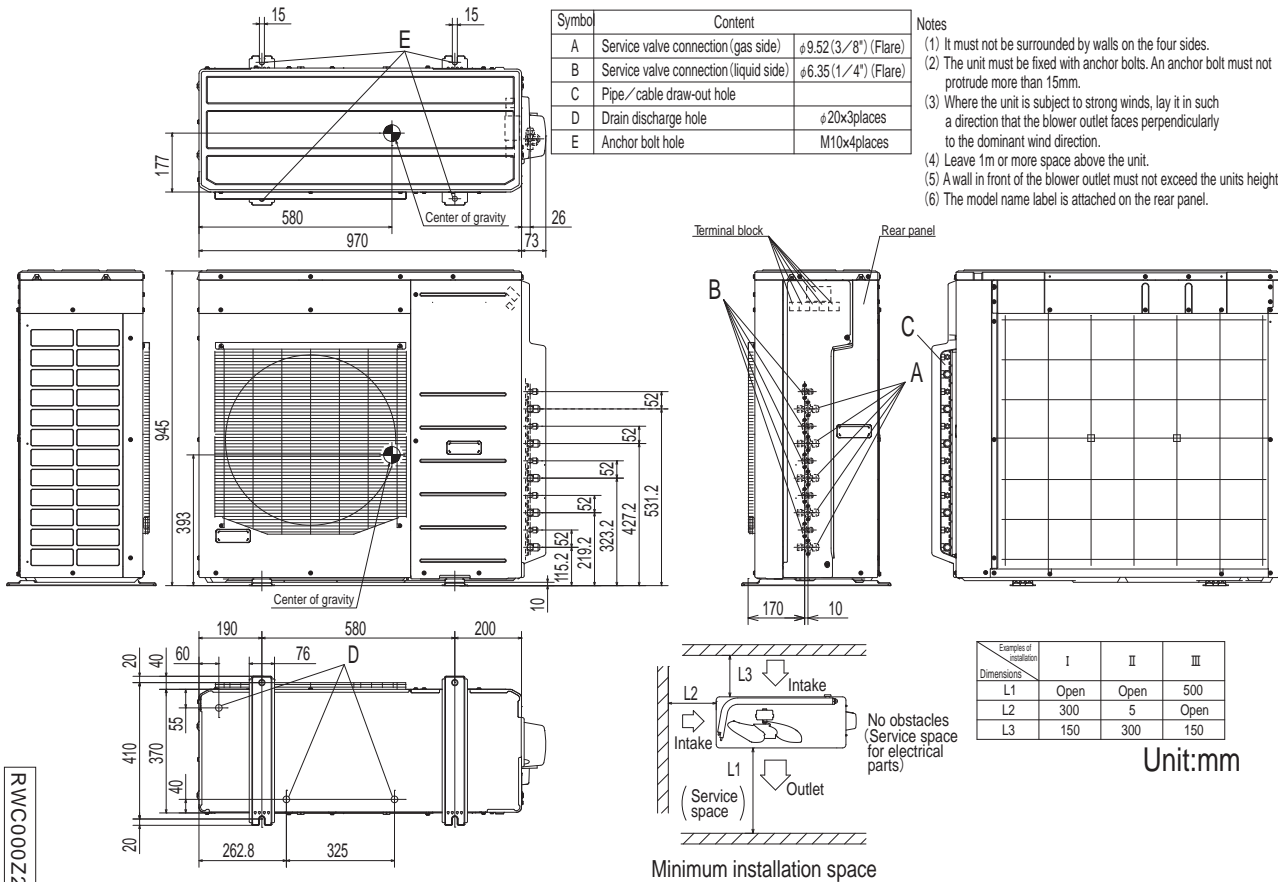


Minimum installation space

Examples of Installation	
Dimensions	
L1	600
L2	100
L3	100

Unit:mm

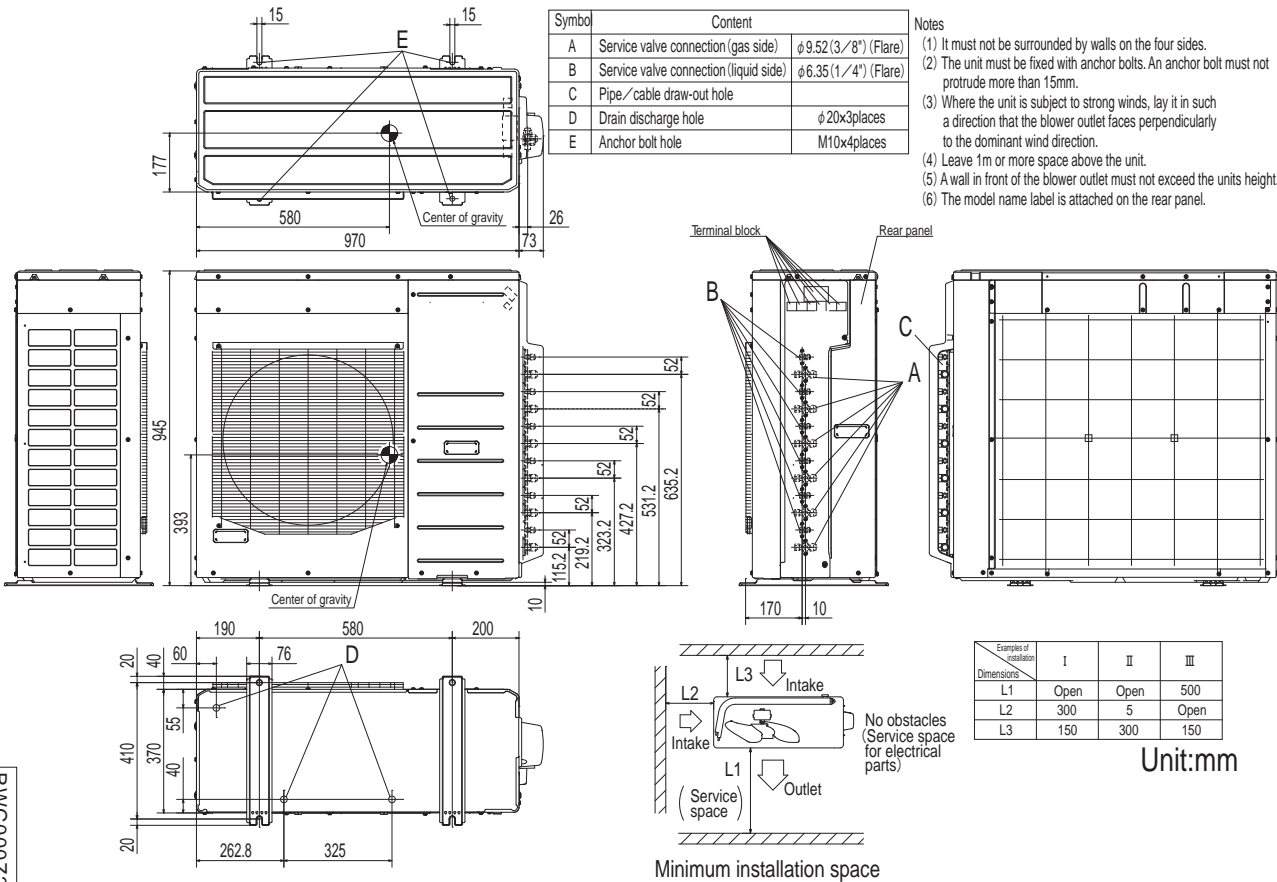
Models SCMT1ZM-S, 80ZM-S



RWC0002278

Model SCM100ZM-S

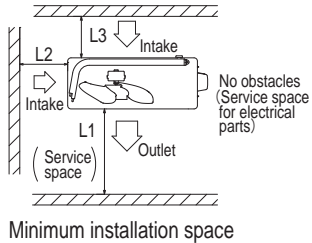
1.4 • SCM-T-167



RWC0002279

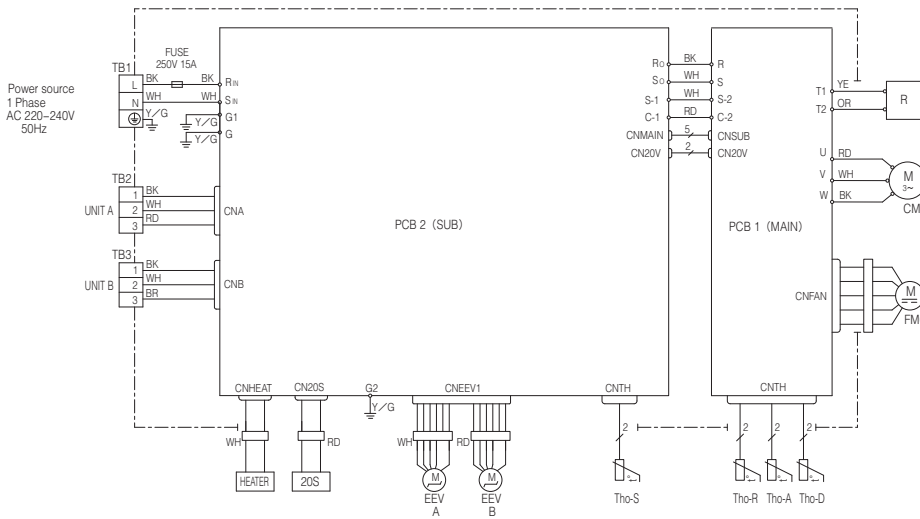
Examples of installation Dimensions	I	II	III
L1	Open	Open	500
L2	300	5	Open
L3	150	300	150

Unit:mm



3. ELECTRICAL WIRINGS

Models SCM40ZM-S, 45ZM-S



Indication lamp	Color	Function
LED e (1)	Red	Warning lamp
Self diagnosis function by led e		
1-Time flash		Current cut
2-Time flash		Trouble of outdoor unit
3-Time flash		Over current
4-Time flash		Transmission error
5-Time flash		Over heat of compressor
6-Time flash		Error of signal transmission
7-Time flash		Lock of compressor
8-Time flash		Sensor error (Except discharge pipe sensor)
Light on		Outdoor fan motor error
Four sec light and four sec off		Discharge pipe sensor error

Caution • When the compressor does not run immediately after hitting on the button, wait for 5 to 10 minutes. (There is possibility of delayed start.)

• High voltage is produced in the control box. don't touch electrical parts in the control box for 5 minutes after cutting power source.

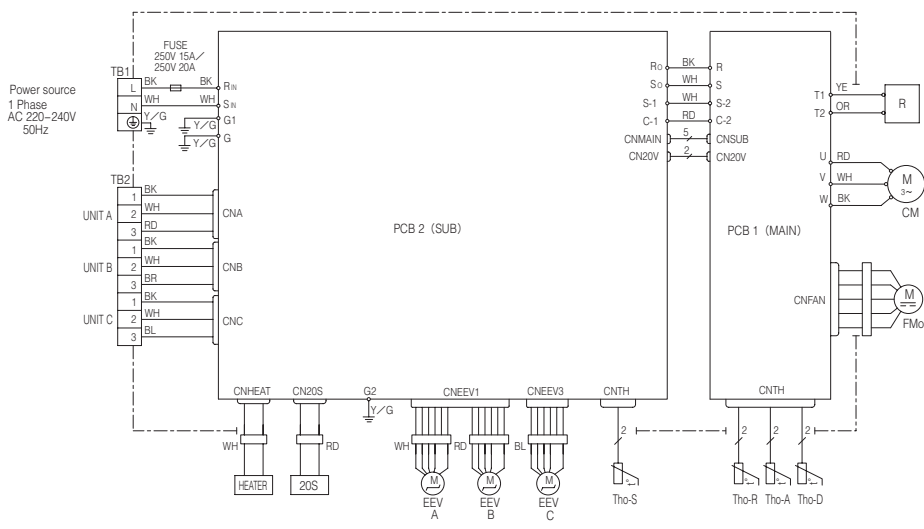
Color Marks

Mark	Color	Mark	Color
BK	Black	YE	Yellow
RD	Red	Y/G	Yellow/Green
WH	White		
OR	Orange		
BR	Brown		

Meaning of Marks

Item	Description	Item	Description
CNA-CN20S	Connector	R	Reactor
20S	4 Way valve (coil)	TB1-TB3	Terminal block
CM	Compressor motor	Tho-R	Heat exchanger sensor (outdoor unit)
EEV A, EEV B	Electric expansion valve (coil)	Tho-A	Outdoor air temp. sensor
FMO	Fan motor	Tho-D	Discharge pipe temp. sensor
HEATER	Crank case heater	Tho-S	Suction pipe temp. sensor

RWC000Z232



Indication lamp	Color	Function
LED e (1)	Red	Warning lamp
Self diagnosis function by led e		
1-Time flash		Current cut
2-Time flash		Trouble of outdoor unit
3-Time flash		Over current
4-Time flash		Transmission error
5-Time flash		Over heat of compressor
6-Time flash		Error of signal transmission
7-Time flash		Lock of compressor
8-Time flash		Sensor error (Except discharge pipe sensor)
Light on		Outdoor fan motor error
Four sec light and four sec off		Discharge pipe sensor error
Caution • When the compressor does not run immediately after hitting on the button, wait for 5 to 10 minutes. (There is possibility of delayed start.) • High voltage is produced in the control box. don't touch electrical parts in the control box for 5 minutes after cutting power source.		

Models SCM50ZM-S, 60ZM-S

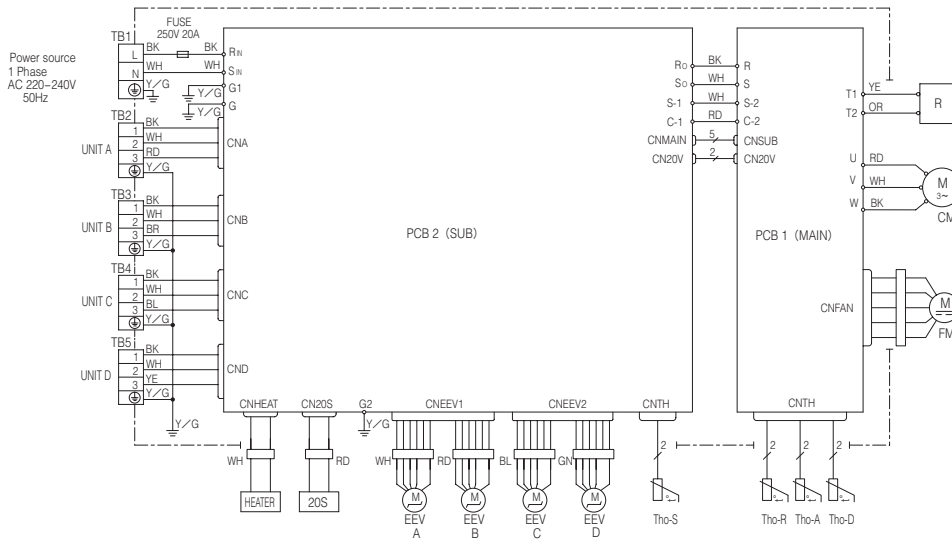
Color Marks

Mark	Color	Mark	Color
BK	Black	BR	Brown
BL	Blue	YE	Yellow
RD	Red	Y/G	Yellow/Green
WH	White		
OR	Orange		

Meaning of Marks

Item	Description	Item	Description
CNA-CN20S	Connector	R	Reactor
20S	4 Way valve (coil)	TB1, TB2	Terminal block
CM	Compressor motor	Tho-R	Heat exchanger sensor (outdoor unit)
EEV A, EEV B	Electric expansion valve (coil)	Tho-A	Outdoor air temp. sensor
EEV C		Tho-D	Discharge pipe temp. sensor
FMO	Fan motor	Tho-S	Suction pipe temp. sensor
HEATER	Crank case heater		

RWC0002252



Indication lamp	Color	Function
LED e (1)	Red	Warning lamp
Self diagnosis function by led e		
1-Time flash		Current cut
2-Time flash		Trouble of outdoor unit
3-Time flash		Over current
4-Time flash		Transmission error
5-Time flash		Over heat of compressor
6-Time flash		Error of signal transmission
7-Time flash		Lock of compressor
8-Time flash		Sensor error (Except discharge pipe sensor)
Light on		Outdoor fan motor error
Four sec light and four sec off		Discharge pipe sensor error
Caution • When the compressor does not run immediately after hitting on the button, wait for 5 to 10 minutes. (There is possibility of delayed start.) • High voltage is produced in the control box. don't touch electrical parts in the control box for 5 minutes after cutting power source.		

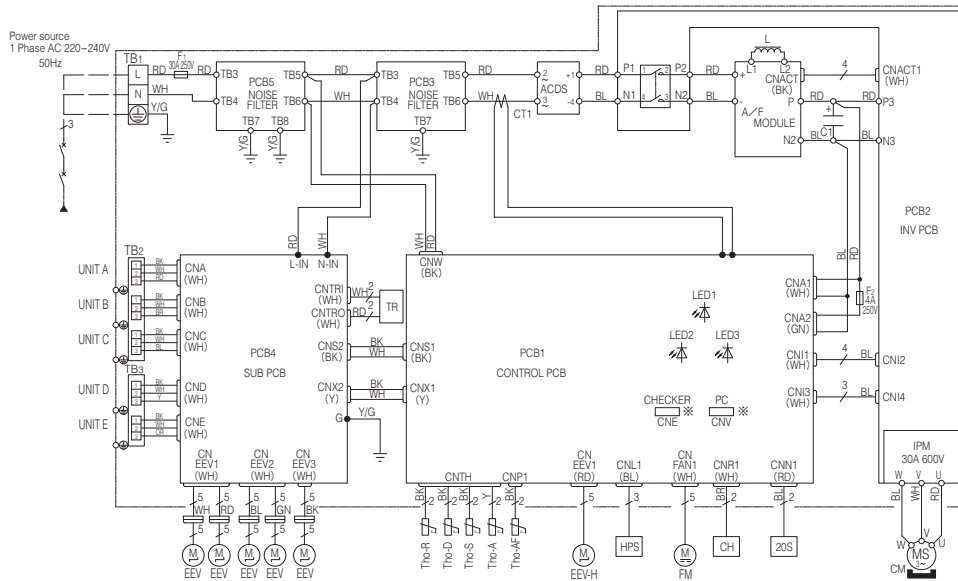
Color Marks

Mark	Color	Mark	Color
BK	Black	RD	Red
BL	Blue	WH	White
BR	Brown	YE	Yellow
GN	Green	Y/G	Yellow/Green
OR	Orange		

Meaning of Marks

Item	Description	Item	Description
CNA-CN20S	Connector	R	Reactor
20S	4 Way valve (coil)	TB1~5	Terminal block
CM	Compressor motor	Tho-R	Heat exchanger sensor (outdoor unit)
EEV A, EEV B	Electric expansion valve (coil)	Tho-A	Outdoor air temp. sensor
EEV C, EEV D	Electric expansion valve (coil)	Tho-D	Discharge pipe temp. sensor
HEATER	Crank case heater	Tho-S	Suction pipe temp. sensor

RWC000Z250



Mark	Name
AF MODULE	Active filter module
CH	Crankcase heater
CM	Compressor motor
CNA-Z	Connector
CT	Current sensor
DS	Diode stack
EEV	Electronic expansion coil
EEV-H	Electronic expansion coil (For heating)
F	Fuse
FM	Fan motor
HPS	High pressure sensor
IPM	Intelligent power module
L	Reactor
LED1	Indicator lamp (Red-Inspection indicator)
LED2	Indicator lamp (Green-Microcomputer normally indicator)
LED3	Indicator lamp (Green-For service)
TB	Terminal block
Tho-A	Thermistor (outdoor air temperature)
Tho-D	Thermistor (discharge pipe)
Tho-R	Thermistor (heat exchanger)
Tho-S	Thermistor (suction pipe)
Tho-AF	Thermistor (power transistor)
TR	Trance former
20S	4-way valve coil

Mark	Color
BK	Black
BL	Blue
BR	Brown
GN	Green
OR	Orange
PK	Pink
RD	Red
WH	White
Y	Yellow
Y/G	Yellow/Green

- Instructions for correct operation
- Before you turn on power, please carefully read the installation manual and the operation manual supplied with the unit.
- Please check the following points before operation.
 - This unit is designed exclusively for use with R410A. Do not use any refrigerant other than R410A.
 - To protect the compressor, turn on power for the air conditioner 6 hours before operation so as warm up sufficiently the dome temperature of compressor.
 - Open the service valves of liquid pipe at first. Secondly open the one of gas pipe. Before you operate the unit, make sure again that the service valves are in open position.
 - Please note that the pressure valves detected at the charge port in the unit and the gas service valves are different during the cooling operation and the heating operation. High pressure is replaced with the low pressure depending on whether it is in the cooling or heating operation.

2. Error indication

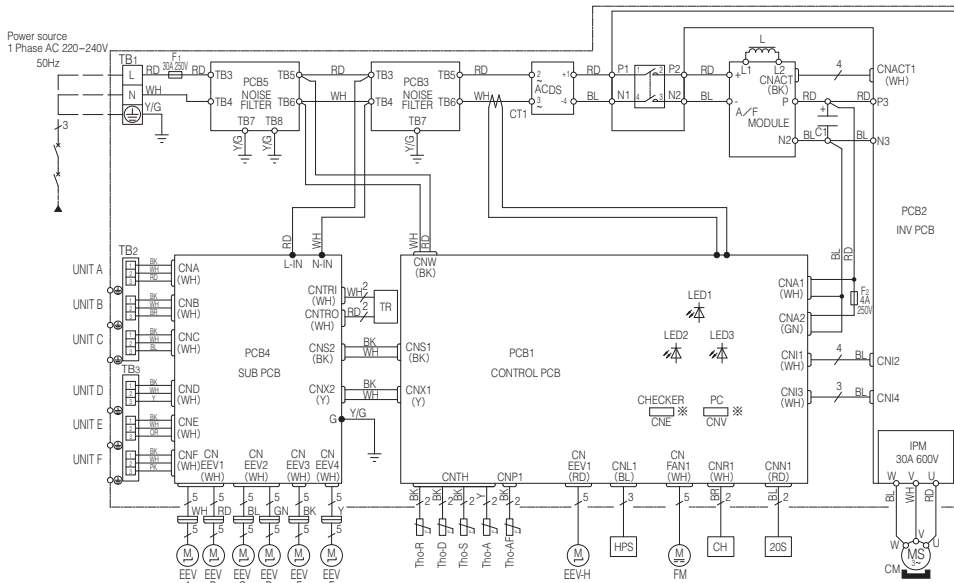
INDICATION LAMP	COLOR	FUNCTION
LED1 (1)	RED	WARNING LAMP
SELF DIAGNOSIS FUNCTION BY LED 1		
1-TIME FLASH		CURRENT CUT
2-TIME FLASH		TROUBLE OF OUTDOOR UNIT
3-TIME FLASH		OVER CURRENT
4-TIME FLASH		TRANSMISSION ERROR
5-TIME FLASH		OVER HEAT OF COMPRESSOR
6-TIME FLASH		ERROR OF SIGNAL TRANSMISSION
8-TIME FLASH		SENSOR ERROR (EXCEPT DISCHARGE PIPE SENSOR)
LIGHT ON		OUTDOOR FAN MOTOR ERROR
FOUR SEC LIGHT AND FOUR SEC OFF		DISCHARGE PIPE SENSOR ERROR

Note(1) *used only at our factory.

RWCC002276

Model SCM100ZM-S

1.4 • SCM-T-167



1. Instructions for correct operation
- Ⓢ Before you turn on power, please carefully read the installation manual and the operation manual supplied with the unit.
 - Ⓢ Please check the following points before operation.
 - ① This unit is designed exclusively for use with R410A. Do not use any refrigerant other than R410A.
 - ② To protect the compressor, turn on power for the air conditioner 6 hours before operation so as warm up sufficiently the dome temperature of compressor.
 - ③ Open the service valves of liquid pipe at first. Secondly open the one of gas pipe. Before you operate the unit, make sure again that the service valves are in open position.
 - ④ Please note that the pressure valves detected at the charge port in the unit and the gas service valves are different during the cooling operation and the heating operation. High pressure is replaced with the low pressure depending on whether it is in the cooling or heating operation.

2. Error indication

INDICATION LAMP	COLOR	FUNCTION
LED E (1)	RED	WARNING LAMP
SELF-DIAGNOSIS FUNCTION BY LED E		
1-TIME FLASH		CURRENT CUT
2-TIME FLASH		TROUBLE OF OUTDOOR UNIT
3-TIME FLASH		OVER CURRENT
4-TIME FLASH		TRANSMISSION ERROR
5-TIME FLASH		OVER HEAT OF COMPRESSOR
6-TIME FLASH		ERROR OF SIGNAL TRANSMISSION
8-TIME FLASH		SENSOR ERROR (EXCEPT DISCHARGE PIPE SENSOR)
LIGHT ON		OUTDOOR FAN MOTOR ERROR
FOUR SEC LIGHT AND FOUR SEC OFF		DISCHARGE PIPE SENSOR ERROR

Note (1) ※used only at our factory.

Mark	Name
AF-MODULE	Active filter module
CH	Crankcase heater
CM	Compressor motor
CNA-Z	Connector
CT	Current sensor
DS	Diode stack
EEV	Electronic expansion coil
EEV-H	Electronic expansion coil (For heating)
F	Fuse
FM	Fan motor
HPS	High pressure sensor
IPM	Intelligent power module
L	Reactor
LED1	Indicator lamp (Red-Inspection indicator)
LED2	Indicator lamp (Green-Microcomputer normally indicate)
LED3	Indicator lamp (Green-For service)
TB	Terminal block
Tho-A	Thermistor (outdoor air temperature)
Tho-D	Thermistor (discharge pipe)
Tho-R	Thermistor (heat exchanger)
Tho-S	Thermistor (suction pipe)
Tho-AF	Thermistor (power transistor)
TR	Trance former
20S	4-way valve coil

Mark	Color
BK	Black
BL	Blue
BR	Brown
GN	Green
OR	Orange
PK	Pink
RD	Red
WH	White
Y	Yellow
Y/G	Yellow/Green

RWCC00ZZ244

Model SCM125ZM-S

4. TECHNICAL INFORMATION

(1) Model SCM40ZM-S

Information to identify the model(s) to which the information relates to:				If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.			
Indoor unit model name		SRK20ZMX-S x 2		Average(mandatory)		Yes	
Outdoor unit model name		SCM40ZM-S		Warmer(if designated)		No	
Function(indicate if present)				Colder(if designated)			
cooling		Yes		Colder(if designated)		No	
heating		Yes					
Item				Item			
symbol		value		symbol		value	
unit		unit		class		class	
Design load				Seasonal efficiency and energy efficiency class			
cooling		Pdesignc		cooling		SEER	
		4.00		kW		5.92	
heating / Average		Pdesignh		heating / Average		SCOP/A	
		5.20		kW		4.05	
heating / Warmer		Pdesignh		heating / Warmer		SCOP/W	
		-		kW		-	
heating / Colder		Pdesignh		heating / Colder		SCOP/C	
		-		kW		-	
				unit			
Declared capacity at outdoor temperature Tdesignh				Back up heating capacity at outdoor temperature Tdesignh			
heating / Average (-10°C)		Pdh		heating / Average (-10°C)		elbu	
		4.41		kW		0.79	
heating / Warmer (2°C)		Pdh		heating / Warmer (2°C)		elbu	
		-		kW		-	
heating / Colder (-22°C)		Pdh		heating / Colder (-22°C)		elbu	
		-		kW		-	
Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj				Declared energy efficiency ratio, at indoor temperature 27(19)°C and outdoor temperature Tj			
Tj=35°C		Pdc		Tj=35°C		EERd	
		4.00		kW		4.76	
Tj=30°C		Pdc		Tj=30°C		EERd	
		3.00		kW		7.20	
Tj=25°C		Pdc		Tj=25°C		EERd	
		3.30		kW		8.90	
Tj=20°C		Pdc		Tj=20°C		EERd	
		3.60		kW		7.40	
Declared capacity for heating / Average season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Average season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C		Pdh		Tj=-7°C		COPd	
		4.60		kW		2.80	
Tj=2°C		Pdh		Tj=2°C		COPd	
		2.80		kW		3.90	
Tj=7°C		Pdh		Tj=7°C		COPd	
		2.20		kW		5.50	
Tj=12°C		Pdh		Tj=12°C		COPd	
		3.10		kW		6.90	
Tj=bivalent temperature		Pdh		Tj=bivalent temperature		COPd	
		4.60		kW		2.80	
Tj=operating limit		Pdh		Tj=operating limit		COPd	
		4.10		kW		2.50	
Declared capacity for heating / Warmer season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Warmer season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=2°C		Pdh		Tj=2°C		COPd	
		-		kW		-	
Tj=7°C		Pdh		Tj=7°C		COPd	
		-		kW		-	
Tj=12°C		Pdh		Tj=12°C		COPd	
		-		kW		-	
Tj=bivalent temperature		Pdh		Tj=bivalent temperature		COPd	
		-		kW		-	
Tj=operating limit		Pdh		Tj=operating limit		COPd	
		-		kW		-	
Declared capacity for heating / Colder season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Colder season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C		Pdh		Tj=-7°C		COPd	
		-		kW		-	
Tj=2°C		Pdh		Tj=2°C		COPd	
		-		kW		-	
Tj=7°C		Pdh		Tj=7°C		COPd	
		-		kW		-	
Tj=12°C		Pdh		Tj=12°C		COPd	
		-		kW		-	
Tj=bivalent temperature		Pdh		Tj=bivalent temperature		COPd	
		-		kW		-	
Tj=operating limit		Pdh		Tj=operating limit		COPd	
		-		kW		-	
Tj=-15°C		Pdh		Tj=-15°C		COPd	
		-		kW		-	
Bivalent temperature				Operating limit temperature			
heating / Average		Tbiv		heating / Average		Tol	
		-7		°C		-15	
heating / Warmer		Tbiv		heating / Warmer		Tol	
		-		°C		-	
heating / Colder		Tbiv		heating / Colder		Tol	
		-		°C		-	
Cycling interval capacity				Cycling interval efficiency			
for cooling		Pccyc		for cooling		EERcyc	
		-		kW		-	
for heating		Pchyc		for heating		COPcyc	
		-		kW		-	
Degradation coefficient				Degradation coefficient			
cooling		Cdc		heating		Cdh	
		0.25		-		0.25	
Electric power input in power modes other than 'active mode'				Annual electricity consumption			
off mode		Poff		cooling		Qce	
		13		W		237	
standby mode		Psb		heating / Average		Qhe	
		13		W		1798	
thermostat-off mode		Pto		heating / Warmer		Qhe	
		25		W		-	
crankcase heater mode		Pck		heating / colder		Qhe	
		0		W		-	
Capacity control(indicate one of three options)				Other items			
fixed		No		Sound power level(indoor)		Lwa	
staged		No				53	
variable		Yes		Sound power level(outdoor)		Lwa	
						60	
				Global warming potential		GWP	
						1975	
				Rated air flow(indoor)		-	
						690	
				Rated air flow(outdoor)		-	
						2400	
						m3/h	
						m3/h	
Contact details for obtaining more information				Name and address of the manufacturer or of its authorised representative.			
				Mitsubishi Heavy Industries Air-Conditioning Europe, Ltd.			
				7 Roundwood Avenue, Stockley Park, Uxbridge, Middlesex, UB11 1AX, United Kingdom			

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Information to identify the model(s) to which the information relates to:				If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.			
Indoor unit model name		SRK20ZM-S x 2		Average(mandatory)		Yes	
Outdoor unit model name		SCM40ZM-S		Warmer(if designated)		No	
Function(indicate if present)				Colder(if designated)			
cooling		Yes		Colder(if designated)		No	
heating		Yes					
Item				Item			
symbol		value		symbol		value	
unit				class			
Design load				Seasonal efficiency and energy efficiency class			
cooling		Pdesignc 4.00 kW		cooling		SEER 5.72 A+	
heating / Average		Pdesignh 5.20 kW		heating / Average		SCOP/A 3.84 A	
heating / Warmer		Pdesignh - kW		heating / Warmer		SCOP/W - -	
heating / Colder		Pdesignh - kW		heating / Colder		SCOP/C - -	
				unit			
Declared capacity at outdoor temperature Tdesignh				Back up heating capacity at outdoor temperature Tdesignh			
heating / Average (-10°C)		Pdh 4.41 kW		heating / Average (-10°C)		elbu 0.79 kW	
heating / Warmer (2°C)		Pdh - kW		heating / Warmer (2°C)		elbu - kW	
heating / Colder (-22°C)		Pdh - kW		heating / Colder (-22°C)		elbu - kW	
Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj				Declared energy efficiency ratio, at indoor temperature 27(19)°C and outdoor temperature Tj			
Tj=35°C		Pdc 4.00 kW		Tj=35°C		EERd 4.54 -	
Tj=30°C		Pdc 3.00 kW		Tj=30°C		EERd 6.90 -	
Tj=25°C		Pdc 3.30 kW		Tj=25°C		EERd 8.50 -	
Tj=20°C		Pdc 3.60 kW		Tj=20°C		EERd 7.20 -	
Declared capacity for heating / Average season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Average season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C		Pdh 4.60 kW		Tj=-7°C		COPd 2.60 -	
Tj=2°C		Pdh 2.80 kW		Tj=2°C		COPd 3.60 -	
Tj=7°C		Pdh 2.20 kW		Tj=7°C		COPd 5.50 -	
Tj=12°C		Pdh 3.10 kW		Tj=12°C		COPd 6.90 -	
Tj=bivalent temperature		Pdh 4.60 kW		Tj=bivalent temperature		COPd 2.60 -	
Tj=operating limit		Pdh 4.10 kW		Tj=operating limit		COPd 2.40 -	
Declared capacity for heating / Warmer season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Warmer season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=2°C		Pdh - kW		Tj=2°C		COPd - -	
Tj=7°C		Pdh - kW		Tj=7°C		COPd - -	
Tj=12°C		Pdh - kW		Tj=12°C		COPd - -	
Tj=bivalent temperature		Pdh - kW		Tj=bivalent temperature		COPd - -	
Tj=operating limit		Pdh - kW		Tj=operating limit		COPd - -	
Declared capacity for heating / Colder season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Colder season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C		Pdh - kW		Tj=-7°C		COPd - -	
Tj=2°C		Pdh - kW		Tj=2°C		COPd - -	
Tj=7°C		Pdh - kW		Tj=7°C		COPd - -	
Tj=12°C		Pdh - kW		Tj=12°C		COPd - -	
Tj=bivalent temperature		Pdh - kW		Tj=bivalent temperature		COPd - -	
Tj=operating limit		Pdh - kW		Tj=operating limit		COPd - -	
Tj=-15°C		Pdh - kW		Tj=-15°C		COPd - -	
Bivalent temperature				Operating limit temperature			
heating / Average		Tbiv -7 °C		heating / Average		Tol -15 °C	
heating / Warmer		Tbiv - °C		heating / Warmer		Tol - °C	
heating / Colder		Tbiv - °C		heating / Colder		Tol - °C	
Cycling interval capacity				Cycling interval efficiency			
for cooling		Pccyc - kW		for cooling		EERcyc - -	
for heating		Pchyc - kW		for heating		COPcyc - -	
Degradation coefficient				Degradation coefficient			
cooling		Cdc 0.25 -		heating		Cdh 0.25 -	
Electric power input in power modes other than 'active mode'				Annual electricity consumption			
off mode		Poff 13 W		cooling		Qce 245 kWh/a	
standby mode		Psb 13 W		heating / Average		Qhe 1897 kWh/a	
thermostat-off mode		Pto 25 W		heating / Warmer		Qhe - kWh/a	
crankcase heater mode		Pck 0 W		heating / colder		Qhe - kWh/a	
Capacity control(indicate one of three options)				Other items			
fixed		No		Sound power level(indoor)		Lwa 49 dB(A)	
staged		No		Sound power level(outdoor)		Lwa 60 dB(A)	
variable		Yes		Global warming potential		GWP 1975 kgCO2eq.	
				Rated air flow(indoor)		- 468 m3/h	
				Rated air flow(outdoor)		- 2400 m3/h	
Contact details for obtaining more information				Name and address of the manufacturer or of its authorised representative.			
				Mitsubishi Heavy Industries Air-Conditioning Europe, Ltd.			
				7 Roundwood Avenue, Stockley Park, Uxbridge, Middlesex, UB11 1AX, United Kingdom			

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Information to identify the model(s) to which the information relates to: Indoor unit model name SRK20ZM-S+SRK25ZM-S Outdoor unit model name SCM45ZM-S				If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.			
Function(indicate if present)				Average(mandatory)		Yes	
cooling				Warmer(if designated)		No	
heating				Colder(if designated)		No	
Item	symbol	value	unit	Item	symbol	value	class
Design load				Seasonal efficiency and energy efficiency class			
cooling	Pdesignc	4.50	kW	cooling	SEER	5.80	A+
heating / Average	Pdesignh	5.80	kW	heating / Average	SCOP/A	3.82	A
heating / Warmer	Pdesignh	-	kW	heating / Warmer	SCOP/W	-	-
heating / Colder	Pdesignh	-	kW	heating / Colder	SCOP/C	-	-
Declared capacity at outdoor temperature Tdesignh				Back up heating capacity at outdoor temperature Tdesignh			
heating / Average (-10°C)	Pdh	4.95	kW	heating / Average (-10°C)	elbu	0.85	kW
heating / Warmer (2°C)	Pdh	-	kW	heating / Warmer (2°C)	elbu	-	kW
heating / Colder (-22°C)	Pdh	-	kW	heating / Colder (-22°C)	elbu	-	kW
Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj				Declared energy efficiency ratio, at indoor temperature 27(19)°C and outdoor temperature Tj			
Tj=35°C	Pdc	4.50	kW	Tj=35°C	EERd	4.12	-
Tj=30°C	Pdc	3.30	kW	Tj=30°C	EERd	6.85	-
Tj=25°C	Pdc	3.30	kW	Tj=25°C	EERd	8.50	-
Tj=20°C	Pdc	3.60	kW	Tj=20°C	EERd	7.20	-
Declared capacity for heating / Average season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Average season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C	Pdh	5.10	kW	Tj=-7°C	COPd	2.30	-
Tj=2°C	Pdh	3.10	kW	Tj=2°C	COPd	3.65	-
Tj=7°C	Pdh	2.20	kW	Tj=7°C	COPd	5.50	-
Tj=12°C	Pdh	3.10	kW	Tj=12°C	COPd	6.85	-
Tj=bivalent temperature	Pdh	5.10	kW	Tj=bivalent temperature	COPd	2.30	-
Tj=operating limit	Pdh	4.70	kW	Tj=operating limit	COPd	2.10	-
Declared capacity for heating / Warmer season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Warmer season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=2°C	Pdh	-	kW	Tj=2°C	COPd	-	-
Tj=7°C	Pdh	-	kW	Tj=7°C	COPd	-	-
Tj=12°C	Pdh	-	kW	Tj=12°C	COPd	-	-
Tj=bivalent temperature	Pdh	-	kW	Tj=bivalent temperature	COPd	-	-
Tj=operating limit	Pdh	-	kW	Tj=operating limit	COPd	-	-
Declared capacity for heating / Colder season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Colder season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C	Pdh	-	kW	Tj=-7°C	COPd	-	-
Tj=2°C	Pdh	-	kW	Tj=2°C	COPd	-	-
Tj=7°C	Pdh	-	kW	Tj=7°C	COPd	-	-
Tj=12°C	Pdh	-	kW	Tj=12°C	COPd	-	-
Tj=bivalent temperature	Pdh	-	kW	Tj=bivalent temperature	COPd	-	-
Tj=operating limit	Pdh	-	kW	Tj=operating limit	COPd	-	-
Tj=-15°C	Pdh	-	kW	Tj=-15°C	COPd	-	-
Bivalent temperature				Operating limit temperature			
heating / Average	Tbiv	-7	°C	heating / Average	Tol	-15	°C
heating / Warmer	Tbiv	-	°C	heating / Warmer	Tol	-	°C
heating / Colder	Tbiv	-	°C	heating / Colder	Tol	-	°C
Cycling interval capacity				Cycling interval efficiency			
for cooling	Pcycc	-	kW	for cooling	EERcyc	-	-
for heating	Pcych	-	kW	for heating	COPcyc	-	-
Degradation coefficient				Degradation coefficient			
cooling	Cdc	0.25	-	heating	Cdh	0.25	-
Electric power input in power modes other than 'active mode'				Annual electricity consumption			
off mode	Poff	13	W	cooling	Qce	272	kWh/a
standby mode	Psb	13	W	heating / Average	Qhe	2128	kWh/a
thermostat-off mode	Pto	25	W	heating / Warmer	Qhe	-	kWh/a
crankcase heater mode	Pck	0	W	heating / colder	Qhe	-	kWh/a
Capacity control(indicate one of three options)				Other items			
fixed		No		Sound power level(indoor)	Lwa	50	dB(A)
staged		No		Sound power level(outdoor)	Lwa	60	dB(A)
variable		Yes		Global warming potential	GWP	1975	kgCO2eq.
				Rated air flow(indoor)	-	474	m3/h
				Rated air flow(outdoor)	-	2400	m3/h
Contact details for obtaining more information	Name and address of the manufacturer or of its authorised representative. Mitsubishi Heavy Industries Air-Conditioning Europe, Ltd. 7 Roundwood Avenue, Stockley Park, Uxbridge, Middlesex, UB11 1AX, United Kingdom						

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(3) Model SCM50ZM-S

Information to identify the model(s) to which the information relates to:		If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.	
Indoor unit model name		SRK25ZMX-Sx2	
Outdoor unit model name		SCM50ZM-S	
Function(indicate if present)		Average(mandatory)	
cooling		Yes	
heating		Warmer(if designated)	
		No	
		Colder(if designated)	
		No	
Item	symbol	value	unit
Design load			
cooling	Pdesignc	5.00	kW
heating / Average	Pdesignh	5.80	kW
heating / Warmer	Pdesignh	-	kW
heating / Colder	Pdesignh	-	kW
Seasonal efficiency and energy efficiency class			
cooling	SEER	5.61	A+
heating / Average	SCOP/A	3.82	A
heating / Warmer	SCOP/W	-	-
heating / Colder	SCOP/C	-	-
unit			
Declared capacity at outdoor temperature Tdesignh		Back up heating capacity at outdoor temperature Tdesignh	
heating / Average (-10°C)	Pdh	4.90	kW
heating / Warmer (2°C)	Pdh	-	kW
heating / Colder (-22°C)	Pdh	-	kW
heating / Average (-10°C)	elbu	0.90	kW
heating / Warmer (2°C)	elbu	-	kW
heating / Colder (-22°C)	elbu	-	kW
Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj		Declared energy efficiency ratio, at indoor temperature 27(19)°C and outdoor temperature Tj	
Tj=35°C	Pdc	5.00	kW
Tj=30°C	Pdc	3.70	kW
Tj=25°C	Pdc	3.30	kW
Tj=20°C	Pdc	3.60	kW
Tj=35°C	EERd	3.70	-
Tj=30°C	EERd	5.75	-
Tj=25°C	EERd	8.15	-
Tj=20°C	EERd	7.40	-
Declared capacity for heating / Average season, at indoor temperature 20°C and outdoor temperature Tj		Declared coefficient of performance / Average season, at indoor temperature 20°C and outdoor temperature Tj	
Tj=-7°C	Pdh	5.20	kW
Tj=2°C	Pdh	3.20	kW
Tj=7°C	Pdh	2.10	kW
Tj=12°C	Pdh	2.30	kW
Tj=bivalent temperature	Pdh	5.20	kW
Tj=operating limit	Pdh	4.40	kW
Tj=-7°C	COPd	2.50	-
Tj=2°C	COPd	3.71	-
Tj=7°C	COPd	5.20	-
Tj=12°C	COPd	5.90	-
Tj=bivalent temperature	COPd	2.50	-
Tj=operating limit	COPd	1.90	-
Declared capacity for heating / Warmer season, at indoor temperature 20°C and outdoor temperature Tj		Declared coefficient of performance / Warmer season, at indoor temperature 20°C and outdoor temperature Tj	
Tj=2°C	Pdh	-	kW
Tj=7°C	Pdh	-	kW
Tj=12°C	Pdh	-	kW
Tj=bivalent temperature	Pdh	-	kW
Tj=operating limit	Pdh	-	kW
Tj=2°C	COPd	-	-
Tj=7°C	COPd	-	-
Tj=12°C	COPd	-	-
Tj=bivalent temperature	COPd	-	-
Tj=operating limit	COPd	-	-
Declared capacity for heating / Colder season, at indoor temperature 20°C and outdoor temperature Tj		Declared coefficient of performance / Colder season, at indoor temperature 20°C and outdoor temperature Tj	
Tj=-7°C	Pdh	-	kW
Tj=2°C	Pdh	-	kW
Tj=7°C	Pdh	-	kW
Tj=12°C	Pdh	-	kW
Tj=bivalent temperature	Pdh	-	kW
Tj=operating limit	Pdh	-	kW
Tj=-15°C	Pdh	-	kW
Tj=-7°C	COPd	-	-
Tj=2°C	COPd	-	-
Tj=7°C	COPd	-	-
Tj=12°C	COPd	-	-
Tj=bivalent temperature	COPd	-	-
Tj=operating limit	COPd	-	-
Tj=-15°C	COPd	-	-
Bivalent temperature		Operating limit temperature	
heating / Average	Tbiv	-7	°C
heating / Warmer	Tbiv	-	°C
heating / Colder	Tbiv	-	°C
heating / Average	Tol	-15	°C
heating / Warmer	Tol	-	°C
heating / Colder	Tol	-	°C
Cycling interval capacity		Cycling interval efficiency	
for cooling	Pcyc	-	kW
for heating	Pcyc	-	kW
for cooling	EERcyc	-	-
for heating	COPcyc	-	-
Degradation coefficient		Degradation coefficient	
cooling	Cdc	0.25	-
heating	Cdh	0.25	-
Electric power input in power modes other than 'active mode'		Annual electricity consumption	
off mode	Poff	12	W
standby mode	Psb	12	W
thermostat-off mode	Pto	30	W
crankcase heater mode	Pck	0	W
cooling	Qce	312	kWh/a
heating / Average	Qhe	2125	kWh/a
heating / Warmer	Qhe	-	kWh/a
heating / colder	Qhe	-	kWh/a
Capacity control(indicate one of three options)		Other items	
fixed		Lwa	50
staged	No	Lwa	62
variable	No	GWP	1975
	Yes	Rated air flow(indoor)	474
		Rated air flow(outdoor)	2460
Contact details for obtaining more information	Name and address of the manufacturer or of its authorised representative. Mitsubishi Heavy Industries Air-Conditioning Europe, Ltd. 7 Roundwood Avenue, Stockley Park, Uxbridge, Middlesex, UB11 1AX, United Kingdom		

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Information to identify the model(s) to which the information relates to:				If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.			
Indoor unit model name		SRK20ZMX-S x 3		Average(mandatory)		Yes	
Outdoor unit model name		SCM50ZM-S		Warmer(if designated)		No	
Function(indicate if present)				Colder(if designated)			
cooling		Yes					
heating		Yes					
Item	symbol	value	unit	Item	symbol	value	class
Design load				Seasonal efficiency and energy efficiency class			
cooling	Pdesignc	5.00	kW	cooling	SEER	6.62	A++
heating / Average	Pdesignh	5.90	kW	heating / Average	SCOP/A	3.95	A
heating / Warmer	Pdesignh	-	kW	heating / Warmer	SCOP/W	-	-
heating / Colder	Pdesignh	-	kW	heating / Colder	SCOP/C	-	-
Declared capacity at outdoor temperature Tdesignh				Back up heating capacity at outdoor temperature Tdesignh			
heating / Average (-10°C)	Pdh	4.90	kW	heating / Average (-10°C)	elbu	1.00	kW
heating / Warmer (2°C)	Pdh	-	kW	heating / Warmer (2°C)	elbu	-	kW
heating / Colder (-22°C)	Pdh	-	kW	heating / Colder (-22°C)	elbu	-	kW
Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj				Declared energy efficiency ratio, at indoor temperature 27(19)°C and outdoor temperature Tj			
Tj=35°C	Pdc	5.00	kW	Tj=35°C	EERd	4.63	-
Tj=30°C	Pdc	3.70	kW	Tj=30°C	EERd	7.10	-
Tj=25°C	Pdc	3.60	kW	Tj=25°C	EERd	9.90	-
Tj=20°C	Pdc	3.90	kW	Tj=20°C	EERd	9.00	-
Declared capacity for heating / Average season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Average season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C	Pdh	5.20	kW	Tj=-7°C	COPd	2.60	-
Tj=2°C	Pdh	3.20	kW	Tj=2°C	COPd	3.90	-
Tj=7°C	Pdh	2.00	kW	Tj=7°C	COPd	5.10	-
Tj=12°C	Pdh	2.30	kW	Tj=12°C	COPd	6.30	-
Tj=bivalent temperature	Pdh	5.20	kW	Tj=bivalent temperature	COPd	2.60	-
Tj=operating limit	Pdh	4.40	kW	Tj=operating limit	COPd	2.20	-
Declared capacity for heating / Warmer season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Warmer season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=2°C	Pdh	-	kW	Tj=2°C	COPd	-	-
Tj=7°C	Pdh	-	kW	Tj=7°C	COPd	-	-
Tj=12°C	Pdh	-	kW	Tj=12°C	COPd	-	-
Tj=bivalent temperature	Pdh	-	kW	Tj=bivalent temperature	COPd	-	-
Tj=operating limit	Pdh	-	kW	Tj=operating limit	COPd	-	-
Declared capacity for heating / Colder season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Colder season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C	Pdh	-	kW	Tj=-7°C	COPd	-	-
Tj=2°C	Pdh	-	kW	Tj=2°C	COPd	-	-
Tj=7°C	Pdh	-	kW	Tj=7°C	COPd	-	-
Tj=12°C	Pdh	-	kW	Tj=12°C	COPd	-	-
Tj=bivalent temperature	Pdh	-	kW	Tj=bivalent temperature	COPd	-	-
Tj=operating limit	Pdh	-	kW	Tj=operating limit	COPd	-	-
Tj=-15°C	Pdh	-	kW	Tj=-15°C	COPd	-	-
Bivalent temperature				Operating limit temperature			
heating / Average	Tbiv	-7	°C	heating / Average	Tol	-15	°C
heating / Warmer	Tbiv	-	°C	heating / Warmer	Tol	-	°C
heating / Colder	Tbiv	-	°C	heating / Colder	Tol	-	°C
Cycling interval capacity				Cycling interval efficiency			
for cooling	Pcyc	-	kW	for cooling	EERcyc	-	-
for heating	Pcyc	-	kW	for heating	COPcyc	-	-
Degradation coefficient				Degradation coefficient			
cooling	Cdc	0.25	-	heating	Cdh	0.25	-
Electric power input in power modes other than 'active mode'				Annual electricity consumption			
off mode	Poff	13	W	cooling	Qce	265	kWh/a
standby mode	Psb	13	W	heating / Average	Qhe	2091	kWh/a
thermostat-off mode	Pto	28	W	heating / Warmer	Qhe	-	kWh/a
crankcase heater mode	Pck	0	W	heating / colder	Qhe	-	kWh/a
Capacity control(indicate one of three options)				Other items			
fixed		No		Sound power level(indoor)	Lwa	53	dB(A)
staged		No		Sound power level(outdoor)	Lwa	62	dB(A)
variable		Yes		Global warming potential	GWP	1975	kgCO2eq.
				Rated air flow(indoor)	-	690	m3/h
				Rated air flow(outdoor)	-	2460	m3/h
Contact details for obtaining more information	Name and address of the manufacturer or of its authorised representative. Mitsubishi Heavy Industries Air-Conditioning Europe, Ltd. 7 Roundwood Avenue, Stockley Park, Uxbridge, Middlesex, UB11 1AX, United Kingdom						

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Information to identify the model(s) to which the information relates to:			If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.		
Indoor unit model name		SRK25ZM-Sx2			
Outdoor unit model name		SCM50ZM-S			
Function(indicate if present)			Average(mandatory)		
cooling		Yes	Warmer(if designated)		No
heating		Yes	Colder(if designated)		No
Item			Item		
symbol			symbol		
value			value		
unit			class		
Design load			Seasonal efficiency and energy efficiency class		
cooling		Pdesignc	5.00	kW	SEER
heating / Average		Pdesignh	6.10	kW	SCOP/A
heating / Warmer		Pdesignh	-	kW	SCOP/W
heating / Colder		Pdesignh	-	kW	SCOP/C
			unit		
Declared capacity at outdoor temperature Tdesignh			Back up heating capacity at outdoor temperature Tdesignh		
heating / Average (-10°C)		Pdh	5.14	kW	elbu
heating / Warmer (2°C)		Pdh	-	kW	elbu
heating / Colder (-22°C)		Pdh	-	kW	elbu
Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj			Declared energy efficiency ratio, at indoor temperature 27(19)°C and outdoor temperature Tj		
Tj=35°C		Pdc	5.00	kW	EERd
Tj=30°C		Pdc	3.70	kW	EERd
Tj=25°C		Pdc	3.30	kW	EERd
Tj=20°C		Pdc	3.60	kW	EERd
Declared capacity for heating / Average season, at indoor temperature 20°C and outdoor temperature Tj			Declared coefficient of performance / Average season, at indoor temperature 20°C and outdoor temperature Tj		
Tj=-7°C		Pdh	5.40	kW	COPd
Tj=2°C		Pdh	3.30	kW	COPd
Tj=7°C		Pdh	2.20	kW	COPd
Tj=12°C		Pdh	2.80	kW	COPd
Tj=bivalent temperature		Pdh	5.40	kW	COPd
Tj=operating limit		Pdh	4.70	kW	COPd
Declared capacity for heating / Warmer season, at indoor temperature 20°C and outdoor temperature Tj			Declared coefficient of performance / Warmer season, at indoor temperature 20°C and outdoor temperature Tj		
Tj=2°C		Pdh	-	kW	COPd
Tj=7°C		Pdh	-	kW	COPd
Tj=12°C		Pdh	-	kW	COPd
Tj=bivalent temperature		Pdh	-	kW	COPd
Tj=operating limit		Pdh	-	kW	COPd
Declared capacity for heating / Colder season, at indoor temperature 20°C and outdoor temperature Tj			Declared coefficient of performance / Colder season, at indoor temperature 20°C and outdoor temperature Tj		
Tj=-7°C		Pdh	-	kW	COPd
Tj=2°C		Pdh	-	kW	COPd
Tj=7°C		Pdh	-	kW	COPd
Tj=12°C		Pdh	-	kW	COPd
Tj=bivalent temperature		Pdh	-	kW	COPd
Tj=operating limit		Pdh	-	kW	COPd
Tj=-15°C		Pdh	-	kW	COPd
Bivalent temperature			Operating limit temperature		
heating / Average		Tbiv	-7	°C	Tol
heating / Warmer		Tbiv	-	°C	Tol
heating / Colder		Tbiv	-	°C	Tol
Cycling interval capacity			Cycling interval efficiency		
for cooling		Pcycc	-	kW	EERcyc
for heating		Pcyhc	-	kW	COPcyc
Degradation coefficient			Degradation coefficient		
cooling		Cdc	0.25	-	Cdh
heating		Cdh	0.25	-	-
Electric power input in power modes other than 'active mode'			Annual electricity consumption		
off mode		Poff	11	W	Qce
standby mode		Psb	11	W	Qhe
thermostat-off mode		Pto	25	W	Qhe
crankcase heater mode		Pck	0	W	Qhe
Capacity control(indicate one of three options)			Other items		
fixed		No	Lwa	50	dB(A)
staged		No	Lwa	62	dB(A)
variable		Yes	GWP	1975	kgCO2eq.
			-	474	m3/h
			-	2460	m3/h
Contact details for obtaining more information		Name and address of the manufacturer or of its authorised representative.			
		Mitsubishi Heavy Industries Air-Conditioning Europe, Ltd.			
		7 Roundwood Avenue, Stockley Park, Uxbridge, Middlesex, UB11 1AX, United Kingdom			

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Information to identify the model(s) to which the information relates to:				If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.			
Indoor unit model name		SRK20ZM-Sx3		Average(mandatory)		Yes	
Outdoor unit model name		SCM50ZM-S		Warmer(if designated)		No	
Function(indicate if present)				Colder(if designated)			
cooling		Yes					
heating		Yes					
Item	symbol	value	unit	Item	symbol	value	class
Design load				Seasonal efficiency and energy efficiency class			
cooling	Pdesignc	5.00	kW	cooling	SEER	6.52	A++
heating / Average	Pdesignh	6.30	kW	heating / Average	SCOP/A	3.88	A
heating / Warmer	Pdesignh	-	kW	heating / Warmer	SCOP/W	-	-
heating / Colder	Pdesignh	-	kW	heating / Colder	SCOP/C	-	-
Declared capacity at outdoor temperature Tdesignh				Back up heating capacity at outdoor temperature Tdesignh			
heating / Average (-10°C)	Pdh	5.19	kW	heating / Average (-10°C)	elbu	1.11	kW
heating / Warmer (2°C)	Pdh	-	kW	heating / Warmer (2°C)	elbu	-	kW
heating / Colder (-22°C)	Pdh	-	kW	heating / Colder (-22°C)	elbu	-	kW
Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj				Declared energy efficiency ratio, at indoor temperature 27(19)°C and outdoor temperature Tj			
Tj=35°C	Pdc	5.00	kW	Tj=35°C	EERd	4.50	-
Tj=30°C	Pdc	3.70	kW	Tj=30°C	EERd	7.00	-
Tj=25°C	Pdc	3.50	kW	Tj=25°C	EERd	9.60	-
Tj=20°C	Pdc	4.00	kW	Tj=20°C	EERd	8.80	-
Declared capacity for heating / Average season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Average season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C	Pdh	5.60	kW	Tj=-7°C	COPd	2.40	-
Tj=2°C	Pdh	3.40	kW	Tj=2°C	COPd	3.60	-
Tj=7°C	Pdh	2.20	kW	Tj=7°C	COPd	5.60	-
Tj=12°C	Pdh	2.80	kW	Tj=12°C	COPd	7.10	-
Tj=bivalent temperature	Pdh	5.60	kW	Tj=bivalent temperature	COPd	2.40	-
Tj=operating limit	Pdh	4.50	kW	Tj=operating limit	COPd	2.20	-
Declared capacity for heating / Warmer season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Warmer season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=2°C	Pdh	-	kW	Tj=2°C	COPd	-	-
Tj=7°C	Pdh	-	kW	Tj=7°C	COPd	-	-
Tj=12°C	Pdh	-	kW	Tj=12°C	COPd	-	-
Tj=bivalent temperature	Pdh	-	kW	Tj=bivalent temperature	COPd	-	-
Tj=operating limit	Pdh	-	kW	Tj=operating limit	COPd	-	-
Declared capacity for heating / Colder season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Colder season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C	Pdh	-	kW	Tj=-7°C	COPd	-	-
Tj=2°C	Pdh	-	kW	Tj=2°C	COPd	-	-
Tj=7°C	Pdh	-	kW	Tj=7°C	COPd	-	-
Tj=12°C	Pdh	-	kW	Tj=12°C	COPd	-	-
Tj=bivalent temperature	Pdh	-	kW	Tj=bivalent temperature	COPd	-	-
Tj=operating limit	Pdh	-	kW	Tj=operating limit	COPd	-	-
Tj=-15°C	Pdh	-	kW	Tj=-15°C	COPd	-	-
Bivalent temperature				Operating limit temperature			
heating / Average	Tbiv	-7	°C	heating / Average	Tol	-15	°C
heating / Warmer	Tbiv	-	°C	heating / Warmer	Tol	-	°C
heating / Colder	Tbiv	-	°C	heating / Colder	Tol	-	°C
Cycling interval capacity				Cycling interval efficiency			
for cooling	Pcycc	-	kW	for cooling	EERcyc	-	-
for heating	Pcyhc	-	kW	for heating	COPcyc	-	-
Degradation coefficient				Degradation coefficient			
cooling	Cdc	0.25	-	heating	Cdh	0.25	-
Electric power input in power modes other than 'active mode'				Annual electricity consumption			
off mode	Poff	12	W	cooling	Qce	269	kWh/a
standby mode	Psb	12	W	heating / Average	Qhe	2276	kWh/a
thermostat-off mode	Pto	32	W	heating / Warmer	Qhe	-	kWh/a
crankcase heater mode	Pck	0	W	heating / colder	Qhe	-	kWh/a
Capacity control(indicate one of three options)				Other items			
fixed		No		Sound power level(indoor)	Lwa	49	dB(A)
staged		No		Sound power level(outdoor)	Lwa	62	dB(A)
variable		Yes		Global warming potential	GWP	1975	kgCO2eq.
				Rated air flow(indoor)	-	468	m3/h
				Rated air flow(outdoor)	-	2460	m3/h
Contact details for obtaining more information	Name and address of the manufacturer or of its authorised representative. Mitsubishi Heavy Industries Air-Conditioning Europe, Ltd. 7 Roundwood Avenue, Stockley Park, Uxbridge, Middlesex, UB11 1AX, United Kingdom						

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(4) Model SCM60ZM-S

Information to identify the model(s) to which the information relates to: Indoor unit model name SRK25ZMX-S+SRK35ZMX-S Outdoor unit model name SCM60ZM-S		If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.	
Function(indicate if present) cooling Yes heating Yes		Average(mandatory) Yes Warmer(if designated) No Colder(if designated) No	
Item	symbol	value	unit
Design load			
cooling	Pdesignc	6.00	kW
heating / Average	Pdesignh	7.00	kW
heating / Warmer	Pdesignh	-	kW
heating / Colder	Pdesignh	-	kW
Declared capacity at outdoor temperature Tdesignh			
heating / Average (-10°C)	Pdh	6.56	kW
heating / Warmer (2°C)	Pdh	-	kW
heating / Colder (-22°C)	Pdh	-	kW
Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj			
Tj=35°C	Pdc	6.00	kW
Tj=30°C	Pdc	4.42	kW
Tj=25°C	Pdc	3.19	kW
Tj=20°C	Pdc	4.20	kW
Declared capacity for heating / Average season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C	Pdh	6.41	kW
Tj=2°C	Pdh	3.88	kW
Tj=7°C	Pdh	3.24	kW
Tj=12°C	Pdh	3.83	kW
Tj=bivalent temperature	Pdh	6.41	kW
Tj=operating limit	Pdh	6.82	kW
Declared capacity for heating / Warmer season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=2°C	Pdh	-	kW
Tj=7°C	Pdh	-	kW
Tj=12°C	Pdh	-	kW
Tj=bivalent temperature	Pdh	-	kW
Tj=operating limit	Pdh	-	kW
Declared capacity for heating / Colder season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C	Pdh	-	kW
Tj=2°C	Pdh	-	kW
Tj=7°C	Pdh	-	kW
Tj=12°C	Pdh	-	kW
Tj=bivalent temperature	Pdh	-	kW
Tj=operating limit	Pdh	-	kW
Tj=-15°C	Pdh	-	kW
Bivalent temperature			
heating / Average	Tbiv	-7	°C
heating / Warmer	Tbiv	-	°C
heating / Colder	Tbiv	-	°C
Cycling interval capacity			
for cooling	Pcyc	-	kW
for heating	Pcyc	-	kW
Degradation coefficient			
cooling	Cdc	0.25	-
Degradation coefficient			
heating	Cdh	0.25	-
Electric power input in power modes other than 'active mode'			
off mode	Poff	12	W
standby mode	Psb	12	W
thermostat-off mode	Pto	25	W
crankcase heater mode	Pck	0	W
Capacity control(indicate one of three options)			
fixed		No	
staged		No	
variable		Yes	
Contact details for obtaining more information		Name and address of the manufacturer or of its authorised representative. Mitsubishi Heavy Industries Air-Conditioning Europe, Ltd. 7 Roundwood Avenue, Stockley Park, Uxbridge, Middlesex, UB11 1AX, United Kingdom	

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Information to identify the model(s) to which the information relates to:				If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.			
Indoor unit model name		SRK20ZMX-Sx3		Average(mandatory)		Yes	
Outdoor unit model name		SCM60ZM-S		Warmer(if designated)		No	
Function(indicate if present)				Colder(if designated)			
cooling		Yes					
heating		Yes					
Item	symbol	value	unit	Item	symbol	value	class
Design load				Seasonal efficiency and energy efficiency class			
cooling	Pdesignc	6.00	kW	cooling	SEER	6.55	A++
heating / Average	Pdesignh	7.10	kW	heating / Average	SCOP/A	4.01	A+
heating / Warmer	Pdesignh	-	kW	heating / Warmer	SCOP/W	-	-
heating / Colder	Pdesignh	-	kW	heating / Colder	SCOP/C	-	-
Declared capacity at outdoor temperature Tdesignh				Back up heating capacity at outdoor temperature Tdesignh			
heating / Average (-10°C)	Pdh	6.37	kW	heating / Average (-10°C)	elbu	0.73	kW
heating / Warmer (2°C)	Pdh	-	kW	heating / Warmer (2°C)	elbu	-	kW
heating / Colder (-22°C)	Pdh	-	kW	heating / Colder (-22°C)	elbu	-	kW
Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj				Declared energy efficiency ratio, at indoor temperature 27(19)°C and outdoor temperature Tj			
Tj=35°C	Pdc	6.00	kW	Tj=35°C	EERd	4.08	-
Tj=30°C	Pdc	4.47	kW	Tj=30°C	EERd	6.32	-
Tj=25°C	Pdc	3.27	kW	Tj=25°C	EERd	9.63	-
Tj=20°C	Pdc	4.55	kW	Tj=20°C	EERd	9.19	-
Declared capacity for heating / Average season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Average season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C	Pdh	6.50	kW	Tj=-7°C	COPd	2.30	-
Tj=2°C	Pdh	4.04	kW	Tj=2°C	COPd	4.14	-
Tj=7°C	Pdh	2.65	kW	Tj=7°C	COPd	5.25	-
Tj=12°C	Pdh	2.93	kW	Tj=12°C	COPd	6.11	-
Tj=bivalent temperature	Pdh	6.50	kW	Tj=bivalent temperature	COPd	2.30	-
Tj=operating limit	Pdh	6.14	kW	Tj=operating limit	COPd	2.56	-
Declared capacity for heating / Warmer season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Warmer season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=2°C	Pdh	-	kW	Tj=2°C	COPd	-	-
Tj=7°C	Pdh	-	kW	Tj=7°C	COPd	-	-
Tj=12°C	Pdh	-	kW	Tj=12°C	COPd	-	-
Tj=bivalent temperature	Pdh	-	kW	Tj=bivalent temperature	COPd	-	-
Tj=operating limit	Pdh	-	kW	Tj=operating limit	COPd	-	-
Declared capacity for heating / Colder season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Colder season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C	Pdh	-	kW	Tj=-7°C	COPd	-	-
Tj=2°C	Pdh	-	kW	Tj=2°C	COPd	-	-
Tj=7°C	Pdh	-	kW	Tj=7°C	COPd	-	-
Tj=12°C	Pdh	-	kW	Tj=12°C	COPd	-	-
Tj=bivalent temperature	Pdh	-	kW	Tj=bivalent temperature	COPd	-	-
Tj=operating limit	Pdh	-	kW	Tj=operating limit	COPd	-	-
Tj=-15°C	Pdh	-	kW	Tj=-15°C	COPd	-	-
Bivalent temperature				Operating limit temperature			
heating / Average	Tbiv	-7	°C	heating / Average	Tol	-15	°C
heating / Warmer	Tbiv	-	°C	heating / Warmer	Tol	-	°C
heating / Colder	Tbiv	-	°C	heating / Colder	Tol	-	°C
Cycling interval capacity				Cycling interval efficiency			
for cooling	Pcyc	-	kW	for cooling	EERcyc	-	-
for heating	Pcyc	-	kW	for heating	COPcyc	-	-
Degradation coefficient				Degradation coefficient			
cooling	Cdc	0.25	-	heating	Cdh	0.25	-
Electric power input in power modes other than 'active mode'				Annual electricity consumption			
off mode	Poff	14	W	cooling	Qce	321	kWh/a
standby mode	Psb	14	W	heating / Average	Qhe	2480	kWh/a
thermostat-off mode	Pto	30	W	heating / Warmer	Qhe	-	kWh/a
crankcase heater mode	Pck	0	W	heating / colder	Qhe	-	kWh/a
Capacity control(indicate one of three options)				Other items			
fixed		No		Sound power level(indoor)	Lwa	53	dB(A)
staged		No		Sound power level(outdoor)	Lwa	63	dB(A)
variable		Yes		Global warming potential	GWP	1975	kgCO2eq.
				Rated air flow(indoor)	-	690	m3/h
				Rated air flow(outdoor)	-	2520	m3/h
Contact details for obtaining more information		Name and address of the manufacturer or of its authorised representative. Mitsubishi Heavy Industries Air-Conditioning Europe, Ltd. 7 Roundwood Avenue, Stockley Park, Uxbridge, Middlesex, UB11 1AX, United Kingdom					

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Information to identify the model(s) to which the information relates to: Indoor unit model name SRK25ZM-S+SRK35ZM-S Outdoor unit model name SCM60ZM-S		If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.	
Function(indicate if present) cooling Yes heating Yes		Average(mandatory) Yes Warmer(if designated) No Colder(if designated) No	
Item	symbol	value	unit
Design load			
cooling	Pdesignc	6.00	kW
heating / Average	Pdesignh	7.20	kW
heating / Warmer	Pdesignh	-	kW
heating / Colder	Pdesignh	-	kW
Item	symbol	value	class
Seasonal efficiency and energy efficiency class			
cooling	SEER	5.55	A
heating / Average	SCOP/A	3.80	A
heating / Warmer	SCOP/W	-	-
heating / Colder	SCOP/C	-	-
Declared capacity at outdoor temperature T _{designh}		Back up heating capacity at outdoor temperature T _{designh}	
heating / Average (-10°C)	Pdh	6.56	kW
heating / Warmer (2°C)	Pdh	-	kW
heating / Colder (-22°C)	Pdh	-	kW
heating / Average (-10°C)	elbu	0.64	kW
heating / Warmer (2°C)	elbu	-	kW
heating / Colder (-22°C)	elbu	-	kW
Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature T _j		Declared energy efficiency ratio, at indoor temperature 27(19)°C and outdoor temperature T _j	
T _j =35°C	Pdc	6.00	kW
T _j =30°C	Pdc	4.42	kW
T _j =25°C	Pdc	3.19	kW
T _j =20°C	Pdc	4.20	kW
T _j =35°C	EERd	3.03	-
T _j =30°C	EERd	4.72	-
T _j =25°C	EERd	8.62	-
T _j =20°C	EERd	7.38	-
Declared capacity for heating / Average season, at indoor temperature 20°C and outdoor temperature T _j		Declared coefficient of performance / Average season, at indoor temperature 20°C and outdoor temperature T _j	
T _j =7°C	Pdh	6.41	kW
T _j =2°C	Pdh	3.88	kW
T _j =7°C	Pdh	3.24	kW
T _j =12°C	Pdh	3.83	kW
T _j =bivalent temperature	Pdh	6.41	kW
T _j =operating limit	Pdh	6.82	kW
T _j =-7°C	COPd	2.37	-
T _j =2°C	COPd	3.83	-
T _j =7°C	COPd	5.19	-
T _j =12°C	COPd	5.95	-
T _j =bivalent temperature	COPd	2.37	-
T _j =operating limit	COPd	2.14	-
Declared capacity for heating / Warmer season, at indoor temperature 20°C and outdoor temperature T _j		Declared coefficient of performance / Warmer season, at indoor temperature 20°C and outdoor temperature T _j	
T _j =2°C	Pdh	-	kW
T _j =7°C	Pdh	-	kW
T _j =12°C	Pdh	-	kW
T _j =bivalent temperature	Pdh	-	kW
T _j =operating limit	Pdh	-	kW
T _j =2°C	COPd	-	-
T _j =7°C	COPd	-	-
T _j =12°C	COPd	-	-
T _j =bivalent temperature	COPd	-	-
T _j =operating limit	COPd	-	-
Declared capacity for heating / Colder season, at indoor temperature 20°C and outdoor temperature T _j		Declared coefficient of performance / Colder season, at indoor temperature 20°C and outdoor temperature T _j	
T _j =-7°C	Pdh	-	kW
T _j =2°C	Pdh	-	kW
T _j =7°C	Pdh	-	kW
T _j =12°C	Pdh	-	kW
T _j =bivalent temperature	Pdh	-	kW
T _j =operating limit	Pdh	-	kW
T _j =-15°C	Pdh	-	kW
T _j =-7°C	COPd	-	-
T _j =2°C	COPd	-	-
T _j =7°C	COPd	-	-
T _j =12°C	COPd	-	-
T _j =bivalent temperature	COPd	-	-
T _j =operating limit	COPd	-	-
T _j =-15°C	COPd	-	-
Bivalent temperature		Operating limit temperature	
heating / Average	Tbiv	-7	°C
heating / Warmer	Tbiv	-	°C
heating / Colder	Tbiv	-	°C
heating / Average	Tol	-15	°C
heating / Warmer	Tol	-	°C
heating / Colder	Tol	-	°C
Cycling interval capacity		Cycling interval efficiency	
for cooling	Pcycc	-	kW
for heating	Pcycc	-	kW
for cooling	EERcyc	-	-
for heating	COPcyc	-	-
Degradation coefficient		Degradation coefficient	
cooling	Cdc	0.25	-
heating	Cdh	0.25	-
Electric power input in power modes other than 'active mode'		Annual electricity consumption	
off mode	Poff	12	W
standby mode	Psb	12	W
thermostat-off mode	Pto	35	W
crankcase heater mode	Pck	0	W
cooling	Qce	379	kWh/a
heating / Average	Qhe	2656	kWh/a
heating / Warmer	Qhe	-	kWh/a
heating / colder	Qhe	-	kWh/a
Capacity control(indicate one of three options)		Other items	
fixed		Lwa	58 dB(A)
staged	No	Lwa	63 dB(A)
variable	No	GWP	1975 kgCO ₂ eq.
	Yes	Rated air flow(indoor)	606 m ³ /h
		Rated air flow(outdoor)	2520 m ³ /h
Contact details for obtaining more information	Name and address of the manufacturer or of its authorised representative. Mitsubishi Heavy Industries Air-Conditioning Europe, Ltd. 7 Roundwood Avenue, Stockley Park, Uxbridge, Middlesex, UB11 1AX, United Kingdom		

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Information to identify the model(s) to which the information relates to:		If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.	
Indoor unit model name	SRK20ZM-Sx3		
Outdoor unit model name	SCM60ZM-S		
Function(indicate if present)		Average(mandatory)	
cooling	Yes	Warmer(if designated)	No
heating	Yes	Colder(if designated)	No
Item	symbol	value	unit
Design load			
cooling	Pdesignc	6.00	kW
heating / Average	Pdesignh	7.10	kW
heating / Warmer	Pdesignh	-	kW
heating / Colder	Pdesignh	-	kW
Declared capacity at outdoor temperature T _d designh			
heating / Average (-10°C)	Pdh	6.46	kW
heating / Warmer (2°C)	Pdh	-	kW
heating / Colder (-22°C)	Pdh	-	kW
Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature T _j			
T _j =35°C	Pdc	6.00	kW
T _j =30°C	Pdc	4.47	kW
T _j =25°C	Pdc	3.27	kW
T _j =20°C	Pdc	4.55	kW
Declared capacity for heating / Average season, at indoor temperature 20°C and outdoor temperature T _j			
T _j =7°C	Pdh	6.65	kW
T _j =2°C	Pdh	4.04	kW
T _j =7°C	Pdh	2.65	kW
T _j =12°C	Pdh	2.93	kW
T _j =bivalent temperature	Pdh	6.65	kW
T _j =operating limit	Pdh	6.14	kW
Declared capacity for heating / Warmer season, at indoor temperature 20°C and outdoor temperature T _j			
T _j =2°C	Pdh	-	kW
T _j =7°C	Pdh	-	kW
T _j =12°C	Pdh	-	kW
T _j =bivalent temperature	Pdh	-	kW
T _j =operating limit	Pdh	-	kW
Declared capacity for heating / Colder season, at indoor temperature 20°C and outdoor temperature T _j			
T _j =7°C	Pdh	-	kW
T _j =2°C	Pdh	-	kW
T _j =7°C	Pdh	-	kW
T _j =12°C	Pdh	-	kW
T _j =bivalent temperature	Pdh	-	kW
T _j =operating limit	Pdh	-	kW
T _j =-15°C	Pdh	-	kW
Declared energy efficiency ratio, at indoor temperature 27(19)°C and outdoor temperature T _j			
T _j =35°C	EERd	3.98	-
T _j =30°C	EERd	6.10	-
T _j =25°C	EERd	9.10	-
T _j =20°C	EERd	8.50	-
Declared coefficient of performance / Average season, at indoor temperature 20°C and outdoor temperature T _j			
T _j =7°C	COPd	2.37	-
T _j =2°C	COPd	3.90	-
T _j =7°C	COPd	5.25	-
T _j =12°C	COPd	6.11	-
T _j =bivalent temperature	COPd	2.37	-
T _j =operating limit	COPd	2.56	-
Declared coefficient of performance / Warmer season, at indoor temperature 20°C and outdoor temperature T _j			
T _j =2°C	COPd	-	-
T _j =7°C	COPd	-	-
T _j =12°C	COPd	-	-
T _j =bivalent temperature	COPd	-	-
T _j =operating limit	COPd	-	-
Declared coefficient of performance / Colder season, at indoor temperature 20°C and outdoor temperature T _j			
T _j =7°C	COPd	-	-
T _j =2°C	COPd	-	-
T _j =7°C	COPd	-	-
T _j =12°C	COPd	-	-
T _j =bivalent temperature	COPd	-	-
T _j =operating limit	COPd	-	-
T _j =-15°C	COPd	-	-
Bivalent temperature			
heating / Average	Tbiv	-7	°C
heating / Warmer	Tbiv	-	°C
heating / Colder	Tbiv	-	°C
Operating limit temperature			
heating / Average	Tol	-15	°C
heating / Warmer	Tol	-	°C
heating / Colder	Tol	-	°C
Cycling interval capacity			
for cooling	Pcyc	-	kW
for heating	Pcyc	-	kW
Cycling interval efficiency			
for cooling	EERcyc	-	-
for heating	COPcyc	-	-
Degradation coefficient			
cooling	Cdc	0.25	-
heating	Cdh	0.25	-
Electric power input in power modes other than 'active mode'			
off mode	Poff	14	W
standby mode	Psb	14	W
thermostat-off mode	Pto	40	W
crankcase heater mode	Pck	0	W
Annual electricity consumption			
cooling	Qce	338	kWh/a
heating / Average	Qhe	2544	kWh/a
heating / Warmer	Qhe	-	kWh/a
heating / colder	Qhe	-	kWh/a
Capacity control(indicate one of three options)			
fixed		No	
staged		No	
variable		Yes	
Other items			
Sound power level(indoor)	Lwa	49	dB(A)
Sound power level(outdoor)	Lwa	63	dB(A)
Global warming potential	GWP	1975	kgCO ₂ eq.
Rated air flow(indoor)	-	468	m ³ /h
Rated air flow(outdoor)	-	2520	m ³ /h
Contact details for obtaining more information	Name and address of the manufacturer or of its authorised representative. Mitsubishi Heavy Industries Air-Conditioning Europe, Ltd. 7 Roundwood Avenue, Stockley Park, Uxbridge, Middlesex, UB11 1AX, United Kingdom		

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(5) Model SCM71ZM-S

Information to identify the model(s) to which the information relates to:		If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.	
Indoor unit model name	SRK35ZMX-Sx2		
Outdoor unit model name	SCM71ZM-S		
Function(indicate if present)		Average(mandatory)	
cooling	Yes	Warmer(if designated)	No
heating	Yes	Colder(if designated)	No
Item	symbol	value	unit
Design load			
cooling	Pdesignc	7.10	kW
heating / Average	Pdesignh	7.30	kW
heating / Warmer	Pdesignh	-	kW
heating / Colder	Pdesignh	-	kW
Declared capacity at outdoor temperature Tdesignh		Seasonal efficiency and energy efficiency class	
heating / Average (-10°C)	Pdh	5.98	kW
heating / Warmer (2°C)	Pdh	-	kW
heating / Colder (-22°C)	Pdh	-	kW
Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj		Back up heating capacity at outdoor temperature Tdesignh	
Tj=35°C	Pdc	7.10	kW
Tj=30°C	Pdc	5.29	kW
Tj=25°C	Pdc	3.30	kW
Tj=20°C	Pdc	4.31	kW
Declared capacity for heating / Average season, at indoor temperature 20°C and outdoor temperature Tj		Declared energy efficiency ratio, at indoor temperature 27(19)°C and outdoor temperature Tj	
Tj=-7°C	Pdh	6.62	kW
Tj=2°C	Pdh	3.95	kW
Tj=7°C	Pdh	2.49	kW
Tj=12°C	Pdh	2.63	kW
Tj=bivalent temperature	Pdh	6.62	kW
Tj=operating limit	Pdh	4.90	kW
Declared capacity for heating / Warmer season, at indoor temperature 20°C and outdoor temperature Tj		Declared coefficient of performance / Average season, at indoor temperature 20°C and outdoor temperature Tj	
Tj=2°C	Pdh	-	kW
Tj=7°C	Pdh	-	kW
Tj=12°C	Pdh	-	kW
Tj=bivalent temperature	Pdh	-	kW
Tj=operating limit	Pdh	-	kW
Declared capacity for heating / Colder season, at indoor temperature 20°C and outdoor temperature Tj		Declared coefficient of performance / Warmer season, at indoor temperature 20°C and outdoor temperature Tj	
Tj=-7°C	Pdh	-	kW
Tj=2°C	Pdh	-	kW
Tj=7°C	Pdh	-	kW
Tj=12°C	Pdh	-	kW
Tj=bivalent temperature	Pdh	-	kW
Tj=operating limit	Pdh	-	kW
Tj=-15°C	Pdh	-	kW
Bivalent temperature		Declared coefficient of performance / Colder season, at indoor temperature 20°C and outdoor temperature Tj	
heating / Average	Tbiv	-7	°C
heating / Warmer	Tbiv	-	°C
heating / Colder	Tbiv	-	°C
Operating limit temperature		Declared coefficient of performance / Colder season, at indoor temperature 20°C and outdoor temperature Tj	
heating / Average	Tol	-15	°C
heating / Warmer	Tol	-	°C
heating / Colder	Tol	-	°C
Cycling interval capacity		Cycling interval efficiency	
for cooling	Pcycc	-	kW
for heating	Pcyhc	-	kW
Degradation coefficient		Degradation coefficient	
cooling	Cdc	0.25	-
Electric power input in power modes other than 'active mode'		Annual electricity consumption	
off mode	Poff	15	W
standby mode	Psb	15	W
thermostat-off mode	Pto	40	W
crankcase heater mode	Pck	0	W
Capacity control(indicate one of three options)		Other items	
fixed		No	
staged		No	
variable		Yes	
Contact details for obtaining more information		Name and address of the manufacturer or of its authorised representative.	
		Mitsubishi Heavy Industries Air-Conditioning Europe, Ltd.	
		7 Roundwood Avenue, Stockley Park, Uxbridge, Middlesex, UB11 1AX, United Kingdom	

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Information to identify the model(s) to which the information relates to: Indoor unit model name SRK20ZMX-S+SRK25ZMX-Sx2 Outdoor unit model name SCM71ZM-S		If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.	
Function(indicate if present) cooling Yes heating Yes		Average(mandatory) Yes Warmer(if designated) No Colder(if designated) No	
Item	symbol	value	unit
Design load			
cooling	Pdesignc	7.10	kW
heating / Average	Pdesignh	7.30	kW
heating / Warmer	Pdesignh	-	kW
heating / Colder	Pdesignh	-	kW
Declared capacity at outdoor temperature T _{designh}			
heating / Average (-10°C)	Pdh	5.98	kW
heating / Warmer (2°C)	Pdh	-	kW
heating / Colder (-22°C)	Pdh	-	kW
Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature T _j			
T _j =35°C	Pdc	7.10	kW
T _j =30°C	Pdc	5.29	kW
T _j =25°C	Pdc	3.30	kW
T _j =20°C	Pdc	4.31	kW
Declared capacity for heating / Average season, at indoor temperature 20°C and outdoor temperature T _j			
T _j =7°C	Pdh	6.62	kW
T _j =2°C	Pdh	3.95	kW
T _j =7°C	Pdh	2.49	kW
T _j =12°C	Pdh	2.63	kW
T _j =bivalent temperature	Pdh	6.62	kW
T _j =operating limit	Pdh	4.90	kW
Declared capacity for heating / Warmer season, at indoor temperature 20°C and outdoor temperature T _j			
T _j =2°C	Pdh	-	kW
T _j =7°C	Pdh	-	kW
T _j =12°C	Pdh	-	kW
T _j =bivalent temperature	Pdh	-	kW
T _j =operating limit	Pdh	-	kW
Declared capacity for heating / Colder season, at indoor temperature 20°C and outdoor temperature T _j			
T _j =7°C	Pdh	-	kW
T _j =2°C	Pdh	-	kW
T _j =7°C	Pdh	-	kW
T _j =12°C	Pdh	-	kW
T _j =bivalent temperature	Pdh	-	kW
T _j =operating limit	Pdh	-	kW
T _j =-15°C	Pdh	-	kW
Bivalent temperature			
heating / Average	Tbiv	-7	°C
heating / Warmer	Tbiv	-	°C
heating / Colder	Tbiv	-	°C
Operating limit temperature			
heating / Average	Tol	-15	°C
heating / Warmer	Tol	-	°C
heating / Colder	Tol	-	°C
Cycling interval capacity			
for cooling	Pcyc	-	kW
for heating	Pcyc	-	kW
Cycling interval efficiency			
for cooling	EERcyc	-	-
for heating	COPcyc	-	-
Degradation coefficient			
cooling	Cdc	0.25	-
heating	Cdh	0.25	-
Electric power input in power modes other than 'active mode'			
off mode	Poff	15	W
standby mode	Psb	15	W
thermostat-off mode	Pto	40	W
crankcase heater mode	Pck	0	W
Annual electricity consumption			
cooling	Qce	409	kWh/a
heating / Average	Qhe	2682	kWh/a
heating / Warmer	Qhe	-	kWh/a
heating / colder	Qhe	-	kWh/a
Capacity control(indicate one of three options)			
fixed		No	
staged		No	
variable		Yes	
Other items			
Sound power level(indoor)	Lwa	55	dB(A)
Sound power level(outdoor)	Lwa	65	dB(A)
Global warming potential	GWP	1975	kgCO ₂ eq.
Rated air flow(indoor)	-	750	m ³ /h
Rated air flow(outdoor)	-	3360	m ³ /h
Contact details for obtaining more information	Name and address of the manufacturer or of its authorised representative. Mitsubishi Heavy Industries Air-Conditioning Europe, Ltd. 7 Roundwood Avenue, Stockley Park, Uxbridge, Middlesex, UB11 1AX, United Kingdom		

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Information to identify the model(s) to which the information relates to: Indoor unit model name SRK20ZMX-S x 4 Outdoor unit model name SCM71ZM-S		If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.	
Function(indicate if present) cooling Yes heating Yes		Average(mandatory) Yes Warmer(if designated) No Colder(if designated) No	
Item	symbol	value	unit
Design load			
cooling	Pdesignc	7.10	kW
heating / Average	Pdesignh	7.30	kW
heating / Warmer	Pdesignh	-	kW
heating / Colder	Pdesignh	-	kW
Declared capacity at outdoor temperature Tdesignh		Back up heating capacity at outdoor temperature Tdesignh	
heating / Average (-10°C)	Pdh	5.98	kW
heating / Warmer (2°C)	Pdh	-	kW
heating / Colder (-22°C)	Pdh	-	kW
Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj		Declared energy efficiency ratio, at indoor temperature 27(19)°C and outdoor temperature Tj	
Tj=35°C	Pdc	7.10	kW
Tj=30°C	Pdc	5.29	kW
Tj=25°C	Pdc	3.30	kW
Tj=20°C	Pdc	4.31	kW
Declared capacity for heating / Average season, at indoor temperature 20°C and outdoor temperature Tj		Declared coefficient of performance / Average season, at indoor temperature 20°C and outdoor temperature Tj	
Tj=-7°C	Pdh	6.62	kW
Tj=2°C	Pdh	3.95	kW
Tj=7°C	Pdh	2.49	kW
Tj=12°C	Pdh	2.63	kW
Tj=bivalent temperature	Pdh	6.62	kW
Tj=operating limit	Pdh	4.90	kW
Declared capacity for heating / Warmer season, at indoor temperature 20°C and outdoor temperature Tj		Declared coefficient of performance / Warmer season, at indoor temperature 20°C and outdoor temperature Tj	
Tj=2°C	Pdh	-	kW
Tj=7°C	Pdh	-	kW
Tj=12°C	Pdh	-	kW
Tj=bivalent temperature	Pdh	-	kW
Tj=operating limit	Pdh	-	kW
Declared capacity for heating / Colder season, at indoor temperature 20°C and outdoor temperature Tj		Declared coefficient of performance / Colder season, at indoor temperature 20°C and outdoor temperature Tj	
Tj=-7°C	Pdh	-	kW
Tj=2°C	Pdh	-	kW
Tj=7°C	Pdh	-	kW
Tj=12°C	Pdh	-	kW
Tj=bivalent temperature	Pdh	-	kW
Tj=operating limit	Pdh	-	kW
Tj=-15°C	Pdh	-	kW
Bivalent temperature		Operating limit temperature	
heating / Average	Tbiv	-7	°C
heating / Warmer	Tbiv	-	°C
heating / Colder	Tbiv	-	°C
heating / Average		heating / Average	
heating / Warmer		heating / Warmer	
heating / Colder		heating / Colder	
Cycling interval capacity		Cycling interval efficiency	
for cooling	Pcyc	-	kW
for heating	Pcyc	-	kW
for cooling		for cooling	
for heating		for heating	
Degradation coefficient		Degradation coefficient	
cooling	Cdc	0.25	-
cooling		heating	
heating		heating	
Electric power input in power modes other than 'active mode'		Annual electricity consumption	
off mode	Poff	15	W
standby mode	Psb	15	W
thermostat-off mode	Pto	40	W
crankcase heater mode	Pck	0	W
cooling		cooling	
heating / Average		heating / Average	
heating / Warmer		heating / Warmer	
heating / colder		heating / colder	
Capacity control(indicate one of three options)		Other items	
fixed		Lwa	53 dB(A)
staged	No	Lwa	65 dB(A)
variable	No	GWP	1975 kgCO2eq.
	Yes	Rated air flow(indoor)	690 m3/h
		Rated air flow(outdoor)	3360 m3/h
Contact details for obtaining more information	Name and address of the manufacturer or of its authorised representative. Mitsubishi Heavy Industries Air-Conditioning Europe, Ltd. 7 Roundwood Avenue, Stockley Park, Uxbridge, Middlesex, UB11 1AX, United Kingdom		

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Information to identify the model(s) to which the information relates to:		If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.	
Indoor unit model name	SRK35ZM-Sx2		
Outdoor unit model name	SCM71ZM-S		
Function(indicate if present)		Average(mandatory)	
cooling	Yes	Warmer(if designated)	No
heating	Yes	Colder(if designated)	No
Item	symbol	value	unit
Design load			
cooling	Pdesignc	7.10	kW
heating / Average	Pdesignh	7.40	kW
heating / Warmer	Pdesignh	-	kW
heating / Colder	Pdesignh	-	kW
Declared capacity at outdoor temperature Tdesignh		Back up heating capacity at outdoor temperature Tdesignh	
heating / Average (-10°C)	Pdh	6.83	kW
heating / Warmer (2°C)	Pdh	-	kW
heating / Colder (-22°C)	Pdh	-	kW
Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj		Declared energy efficiency ratio, at indoor temperature 27(19)°C and outdoor temperature Tj	
Tj=35°C	Pdc	7.10	kW
Tj=30°C	Pdc	5.26	kW
Tj=25°C	Pdc	3.36	kW
Tj=20°C	Pdc	4.14	kW
Declared capacity for heating / Average season, at indoor temperature 20°C and outdoor temperature Tj		Declared coefficient of performance / Average season, at indoor temperature 20°C and outdoor temperature Tj	
Tj=-7°C	Pdh	6.65	kW
Tj=2°C	Pdh	3.86	kW
Tj=7°C	Pdh	3.04	kW
Tj=12°C	Pdh	3.58	kW
Tj=bivalent temperature	Pdh	6.65	kW
Tj=operating limit	Pdh	7.12	kW
Declared capacity for heating / Warmer season, at indoor temperature 20°C and outdoor temperature Tj		Declared coefficient of performance / Warmer season, at indoor temperature 20°C and outdoor temperature Tj	
Tj=2°C	Pdh	-	kW
Tj=7°C	Pdh	-	kW
Tj=12°C	Pdh	-	kW
Tj=bivalent temperature	Pdh	-	kW
Tj=operating limit	Pdh	-	kW
Declared capacity for heating / Colder season, at indoor temperature 20°C and outdoor temperature Tj		Declared coefficient of performance / Colder season, at indoor temperature 20°C and outdoor temperature Tj	
Tj=-7°C	Pdh	-	kW
Tj=2°C	Pdh	-	kW
Tj=7°C	Pdh	-	kW
Tj=12°C	Pdh	-	kW
Tj=bivalent temperature	Pdh	-	kW
Tj=operating limit	Pdh	-	kW
Tj=-15°C	Pdh	-	kW
Bivalent temperature		Operating limit temperature	
heating / Average	Tbiv	-7	°C
heating / Warmer	Tbiv	-	°C
heating / Colder	Tbiv	-	°C
Cycling interval capacity		Cycling interval efficiency	
for cooling	Pcycc	-	kW
for heating	Pcyhc	-	kW
Degradation coefficient		Degradation coefficient	
cooling	Cdc	0.25	-
Electric power input in power modes other than 'active mode'		Annual electricity consumption	
off mode	Poff	18	W
standby mode	Psb	18	W
thermostat-off mode	Pto	50	W
crankcase heater mode	Pck	0	W
Capacity control(indicate one of three options)		Other items	
fixed	No	Sound power level(indoor)	Lwa 58 dB(A)
staged	No	Sound power level(outdoor)	Lwa 65 dB(A)
variable	Yes	Global warming potential	GWPP 1975 kgCO2eq.
Contact details for obtaining more information		Name and address of the manufacturer or of its authorised representative.	
		Mitsubishi Heavy Industries Air-Conditioning Europe, Ltd. 7 Roundwood Avenue, Stockley Park, Uxbridge, Middlesex, UB11 1AX, United Kingdom	

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Information to identify the model(s) to which the information relates to: Indoor unit model name SRK20ZM-S+SRK25ZM-Sx2 Outdoor unit model name SCM71ZM-S		If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.	
Function(indicate if present) cooling Yes heating Yes		Average(mandatory) Yes Warmer(if designated) No Colder(if designated) No	
Item	symbol	value	unit
Design load			
cooling	Pdesignc	7.10	kW
heating / Average	Pdesignh	7.40	kW
heating / Warmer	Pdesignh	-	kW
heating / Colder	Pdesignh	-	kW
Item	symbol	value	class
Seasonal efficiency and energy efficiency class			
cooling	SEER	5.81	A+
heating / Average	SCOP/A	3.80	A
heating / Warmer	SCOP/W	-	-
heating / Colder	SCOP/C	-	-
Declared capacity at outdoor temperature Tdesignh			unit
heating / Average (-10°C)	Pdh	6.83	kW
heating / Warmer (2°C)	Pdh	-	kW
heating / Colder (-22°C)	Pdh	-	kW
Back up heating capacity at outdoor temperature Tdesignh			unit
heating / Average (-10°C)	elbu	0.57	kW
heating / Warmer (2°C)	elbu	-	kW
heating / Colder (-22°C)	elbu	-	kW
Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj			
Tj=35°C	Pdc	7.10	kW
Tj=30°C	Pdc	5.26	kW
Tj=25°C	Pdc	3.36	kW
Tj=20°C	Pdc	4.14	kW
Declared energy efficiency ratio, at indoor temperature 27(19)°C and outdoor temperature Tj			
Tj=35°C	EERd	3.73	-
Tj=30°C	EERd	4.71	-
Tj=25°C	EERd	8.65	-
Tj=20°C	EERd	9.13	-
Declared capacity for heating / Average season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C	Pdh	6.65	kW
Tj=2°C	Pdh	3.86	kW
Tj=7°C	Pdh	3.04	kW
Tj=12°C	Pdh	3.58	kW
Tj=bivalent temperature	Pdh	6.65	kW
Tj=operating limit	Pdh	7.12	kW
Declared coefficient of performance / Average season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C	COPd	2.21	-
Tj=2°C	COPd	4.19	-
Tj=7°C	COPd	4.64	-
Tj=12°C	COPd	5.35	-
Tj=bivalent temperature	COPd	2.21	-
Tj=operating limit	COPd	1.99	-
Declared capacity for heating / Warmer season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=2°C	Pdh	-	kW
Tj=7°C	Pdh	-	kW
Tj=12°C	Pdh	-	kW
Tj=bivalent temperature	Pdh	-	kW
Tj=operating limit	Pdh	-	kW
Declared coefficient of performance / Warmer season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=2°C	COPd	-	-
Tj=7°C	COPd	-	-
Tj=12°C	COPd	-	-
Tj=bivalent temperature	COPd	-	-
Tj=operating limit	COPd	-	-
Declared capacity for heating / Colder season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C	Pdh	-	kW
Tj=2°C	Pdh	-	kW
Tj=7°C	Pdh	-	kW
Tj=12°C	Pdh	-	kW
Tj=bivalent temperature	Pdh	-	kW
Tj=operating limit	Pdh	-	kW
Tj=-15°C	Pdh	-	kW
Declared coefficient of performance / Colder season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C	COPd	-	-
Tj=2°C	COPd	-	-
Tj=7°C	COPd	-	-
Tj=12°C	COPd	-	-
Tj=bivalent temperature	COPd	-	-
Tj=operating limit	COPd	-	-
Tj=-15°C	COPd	-	-
Bivalent temperature			
heating / Average	Tbiv	-7	°C
heating / Warmer	Tbiv	-	°C
heating / Colder	Tbiv	-	°C
Operating limit temperature			
heating / Average	Tol	-15	°C
heating / Warmer	Tol	-	°C
heating / Colder	Tol	-	°C
Cycling interval capacity			
for cooling	Pcyc	-	kW
for heating	Pcyc	-	kW
Cycling interval efficiency			
for cooling	EERcyc	-	-
for heating	COPcyc	-	-
Degradation coefficient			
cooling	Cdc	0.25	-
heating	Cdh	0.25	-
Electric power input in power modes other than 'active mode'			
off mode	Poff	19	W
standby mode	Psb	19	W
thermostat-off mode	Pto	52	W
crankcase heater mode	Pck	0	W
Annual electricity consumption			
cooling	Qce	429	kWh/a
heating / Average	Qhe	2726	kWh/a
heating / Warmer	Qhe	-	kWh/a
heating / colder	Qhe	-	kWh/a
Capacity control(indicate one of three options)			
fixed		No	
staged		No	
variable		Yes	
Other items			
Sound power level(indoor)	Lwa	50	dB(A)
Sound power level(outdoor)	Lwa	65	dB(A)
Global warming potential	GWP	1975	kgCO2eq.
Rated air flow(indoor)	-	474	m3/h
Rated air flow(outdoor)	-	3360	m3/h
Contact details for obtaining more information	Name and address of the manufacturer or of its authorised representative. Mitsubishi Heavy Industries Air-Conditioning Europe, Ltd. 7 Roundwood Avenue, Stockley Park, Uxbridge, Middlesex, UB11 1AX, United Kingdom		

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Information to identify the model(s) to which the information relates to:		If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.	
Indoor unit model name	SRK20ZM-Sx4		
Outdoor unit model name	SCM71ZM-S		
Function(indicate if present)		Average(mandatory)	Yes
cooling	Yes	Warmer(if designated)	No
heating	Yes	Colder(if designated)	No
Item	symbol	value	unit
Design load			
cooling	Pdesignc	7.10	kW
heating / Average	Pdesignh	7.40	kW
heating / Warmer	Pdesignh	-	kW
heating / Colder	Pdesignh	-	kW
Item	symbol	value	class
Seasonal efficiency and energy efficiency class			
cooling	SEER	5.94	A+
heating / Average	SCOP/A	3.80	A
heating / Warmer	SCOP/W	-	-
heating / Colder	SCOP/C	-	-
unit			
Declared capacity at outdoor temperature Tdesignh			
heating / Average (-10°C)	Pdh	6.83	kW
heating / Warmer (2°C)	Pdh	-	kW
heating / Colder (-22°C)	Pdh	-	kW
Back up heating capacity at outdoor temperature Tdesignh			
heating / Average (-10°C)	elbu	0.57	kW
heating / Warmer (2°C)	elbu	-	kW
heating / Colder (-22°C)	elbu	-	kW
Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj			
Tj=35°C	Pdc	7.10	kW
Tj=30°C	Pdc	5.26	kW
Tj=25°C	Pdc	3.36	kW
Tj=20°C	Pdc	4.14	kW
Declared energy efficiency ratio, at indoor temperature 27(19)°C and outdoor temperature Tj			
Tj=35°C	EERd	3.94	-
Tj=30°C	EERd	5.03	-
Tj=25°C	EERd	8.65	-
Tj=20°C	EERd	9.27	-
Declared capacity for heating / Average season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C	Pdh	6.65	kW
Tj=2°C	Pdh	3.86	kW
Tj=7°C	Pdh	3.04	kW
Tj=12°C	Pdh	3.58	kW
Tj=bivalent temperature	Pdh	6.65	kW
Tj=operating limit	Pdh	7.12	kW
Declared coefficient of performance / Average season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C	COPd	2.21	-
Tj=2°C	COPd	4.19	-
Tj=7°C	COPd	4.64	-
Tj=12°C	COPd	5.35	-
Tj=bivalent temperature	COPd	2.21	-
Tj=operating limit	COPd	1.99	-
Declared capacity for heating / Warmer season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=2°C	Pdh	-	kW
Tj=7°C	Pdh	-	kW
Tj=12°C	Pdh	-	kW
Tj=bivalent temperature	Pdh	-	kW
Tj=operating limit	Pdh	-	kW
Declared coefficient of performance / Warmer season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=2°C	COPd	-	-
Tj=7°C	COPd	-	-
Tj=12°C	COPd	-	-
Tj=bivalent temperature	COPd	-	-
Tj=operating limit	COPd	-	-
Declared capacity for heating / Colder season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C	Pdh	-	kW
Tj=2°C	Pdh	-	kW
Tj=7°C	Pdh	-	kW
Tj=12°C	Pdh	-	kW
Tj=bivalent temperature	Pdh	-	kW
Tj=operating limit	Pdh	-	kW
Tj=-15°C	Pdh	-	kW
Declared coefficient of performance / Colder season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C	COPd	-	-
Tj=2°C	COPd	-	-
Tj=7°C	COPd	-	-
Tj=12°C	COPd	-	-
Tj=bivalent temperature	COPd	-	-
Tj=operating limit	COPd	-	-
Tj=-15°C	COPd	-	-
Bivalent temperature			
heating / Average	Tbiv	-7	°C
heating / Warmer	Tbiv	-	°C
heating / Colder	Tbiv	-	°C
Operating limit temperature			
heating / Average	Tol	-15	°C
heating / Warmer	Tol	-	°C
heating / Colder	Tol	-	°C
Cycling interval capacity			
for cooling	Pcyc	-	kW
for heating	Pcyc	-	kW
Cycling interval efficiency			
for cooling	EERcyc	-	-
for heating	COPcyc	-	-
Degradation coefficient			
cooling	Cdc	0.25	-
Degradation coefficient			
heating	Cdh	0.25	-
Electric power input in power modes other than 'active mode'			
off mode	Poff	19	W
standby mode	Psb	19	W
thermostat-off mode	Pto	52	W
crankcase heater mode	Pck	0	W
Annual electricity consumption			
cooling	Qce	419	kWh/a
heating / Average	Qhe	2726	kWh/a
heating / Warmer	Qhe	-	kWh/a
heating / colder	Qhe	-	kWh/a
Capacity control(indicate one of three options)			
fixed		No	
staged		No	
variable		Yes	
Other items			
Sound power level(indoor)	Lwa	46	dB(A)
Sound power level(outdoor)	Lwa	65	dB(A)
Global warming potential	GWP	1975	kgCO2eq.
Rated air flow(indoor)	-	468	m3/h
Rated air flow(outdoor)	-	3360	m3/h
Contact details for obtaining more information	Name and address of the manufacturer or of its authorised representative. Mitsubishi Heavy Industries Air-Conditioning Europe, Ltd. 7 Roundwood Avenue, Stockley Park, Uxbridge, Middlesex, UB11 1AX, United Kingdom		

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(6) Model SCM80ZM-S

Information to identify the model(s) to which the information relates to:				If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.			
Indoor unit model name		SRK35ZMX-S+SRK50ZMX-S		Average(mandatory)		Yes	
Outdoor unit model name		SCM80ZM-S		Warmer(if designated)		No	
Function(indicate if present)				Colder(if designated)			
cooling		Yes					
heating		Yes					
Item	symbol	value	unit	Item	symbol	value	class
Design load				Seasonal efficiency and energy efficiency class			
cooling	Pdesignc	8.00	kW	cooling	SEER	5.74	A+
heating / Average	Pdesignh	7.50	kW	heating / Average	SCOP/A	3.81	A
heating / Warmer	Pdesignh	-	kW	heating / Warmer	SCOP/W	-	-
heating / Colder	Pdesignh	-	kW	heating / Colder	SCOP/C	-	-
Declared capacity at outdoor temperature Tdesignh				Back up heating capacity at outdoor temperature Tdesignh			
heating / Average (-10°C)	Pdh	5.98	kW	heating / Average (-10°C)	elbu	1.52	kW
heating / Warmer (2°C)	Pdh	-	kW	heating / Warmer (2°C)	elbu	-	kW
heating / Colder (-22°C)	Pdh	-	kW	heating / Colder (-22°C)	elbu	-	kW
Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj				Declared energy efficiency ratio, at indoor temperature 27(19)°C and outdoor temperature Tj			
Tj=35°C	Pdc	8.00	kW	Tj=35°C	EERd	3.23	-
Tj=30°C	Pdc	5.94	kW	Tj=30°C	EERd	5.01	-
Tj=25°C	Pdc	3.70	kW	Tj=25°C	EERd	7.2	-
Tj=20°C	Pdc	4.31	kW	Tj=20°C	EERd	9.51	-
Declared capacity for heating / Average season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Average season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C	Pdh	6.62	kW	Tj=-7°C	COPd	2.45	-
Tj=2°C	Pdh	3.95	kW	Tj=2°C	COPd	3.99	-
Tj=7°C	Pdh	2.57	kW	Tj=7°C	COPd	4.57	-
Tj=12°C	Pdh	2.63	kW	Tj=12°C	COPd	5.58	-
Tj=bivalent temperature	Pdh	6.62	kW	Tj=bivalent temperature	COPd	2.45	-
Tj=operating limit	Pdh	4.90	kW	Tj=operating limit	COPd	1.80	-
Declared capacity for heating / Warmer season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Warmer season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=2°C	Pdh	-	kW	Tj=2°C	COPd	-	-
Tj=7°C	Pdh	-	kW	Tj=7°C	COPd	-	-
Tj=12°C	Pdh	-	kW	Tj=12°C	COPd	-	-
Tj=bivalent temperature	Pdh	-	kW	Tj=bivalent temperature	COPd	-	-
Tj=operating limit	Pdh	-	kW	Tj=operating limit	COPd	-	-
Declared capacity for heating / Colder season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Colder season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C	Pdh	-	kW	Tj=-7°C	COPd	-	-
Tj=2°C	Pdh	-	kW	Tj=2°C	COPd	-	-
Tj=7°C	Pdh	-	kW	Tj=7°C	COPd	-	-
Tj=12°C	Pdh	-	kW	Tj=12°C	COPd	-	-
Tj=bivalent temperature	Pdh	-	kW	Tj=bivalent temperature	COPd	-	-
Tj=operating limit	Pdh	-	kW	Tj=operating limit	COPd	-	-
Tj=-15°C	Pdh	-	kW	Tj=-15°C	COPd	-	-
Bivalent temperature				Operating limit temperature			
heating / Average	Tbiv	-7	°C	heating / Average	Tol	-15	°C
heating / Warmer	Tbiv	-	°C	heating / Warmer	Tol	-	°C
heating / Colder	Tbiv	-	°C	heating / Colder	Tol	-	°C
Cycling interval capacity				Cycling interval efficiency			
for cooling	Pcycc	-	kW	for cooling	EERcyc	-	-
for heating	Pcyh	-	kW	for heating	COPcyc	-	-
Degradation coefficient				Degradation coefficient			
cooling	Cdc	0.25	-	heating	Cdh	0.25	-
Electric power input in power modes other than 'active mode'				Annual electricity consumption			
off mode	Poff	14	W	cooling	Qce	489	kWh/a
standby mode	Psb	14	W	heating / Average	Qhe	2755	kWh/a
thermostat-off mode	Pto	35	W	heating / Warmer	Qhe	-	kWh/a
crankcase heater mode	Pck	0	W	heating / colder	Qhe	-	kWh/a
Capacity control(indicate one of three options)				Other items			
fixed		No		Sound power level(indoor)	Lwa	60	dB(A)
staged		No		Sound power level(outdoor)	Lwa	66	dB(A)
variable		Yes		Global warming potential	GWP	1975	kgCO2eq.
				Rated air flow(indoor)	-	810	m3/h
				Rated air flow(outdoor)	-	3360	m3/h
Contact details for obtaining more information		Name and address of the manufacturer or of its authorised representative. Mitsubishi Heavy Industries Air-Conditioning Europe, Ltd. 7 Roundwood Avenue, Stockley Park, Uxbridge, Middlesex, UB11 1AX, United Kingdom					

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Information to identify the model(s) to which the information relates to:				If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.			
Indoor unit model name		SRK20ZMX-S+SRK25ZMX-S+SRK35ZMX-S		Average(mandatory)		Yes	
Outdoor unit model name		SCM80ZM-S		Warmer(if designated)		No	
Function(indicate if present)				Colder(if designated)			
cooling		Yes					
heating		Yes					
Item				Item			
		symbol value unit				symbol value class	
Design load				Seasonal efficiency and energy efficiency class			
cooling		Pdesignc 8.00 kW		cooling		SEER 5.95 A+	
heating / Average		Pdesignh 7.50 kW		heating / Average		SCOP/A 3.81 A	
heating / Warmer		Pdesignh - kW		heating / Warmer		SCOP/W - -	
heating / Colder		Pdesignh - kW		heating / Colder		SCOP/C - -	
				unit			
Declared capacity at outdoor temperature Tdesignh				Back up heating capacity at outdoor temperature Tdesignh			
heating / Average (-10°C)		Pdh 5.98 kW		heating / Average (-10°C)		elbu 1.52 kW	
heating / Warmer (2°C)		Pdh - kW		heating / Warmer (2°C)		elbu - kW	
heating / Colder (-22°C)		Pdh - kW		heating / Colder (-22°C)		elbu - kW	
Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj				Declared energy efficiency ratio, at indoor temperature 27(19)°C and outdoor temperature Tj			
Tj=35°C		Pdc 8.00 kW		Tj=35°C		EERd 3.52 -	
Tj=30°C		Pdc 5.94 kW		Tj=30°C		EERd 5.12 -	
Tj=25°C		Pdc 3.70 kW		Tj=25°C		EERd 7.65 -	
Tj=20°C		Pdc 4.31 kW		Tj=20°C		EERd 9.85 -	
Declared capacity for heating / Average season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Average season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C		Pdh 6.62 kW		Tj=-7°C		COPd 2.45 -	
Tj=2°C		Pdh 3.95 kW		Tj=2°C		COPd 3.99 -	
Tj=7°C		Pdh 2.57 kW		Tj=7°C		COPd 4.57 -	
Tj=12°C		Pdh 2.63 kW		Tj=12°C		COPd 5.58 -	
Tj=bivalent temperature		Pdh 6.62 kW		Tj=bivalent temperature		COPd 2.45 -	
Tj=operating limit		Pdh 4.90 kW		Tj=operating limit		COPd 1.80 -	
Declared capacity for heating / Warmer season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Warmer season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=2°C		Pdh - kW		Tj=2°C		COPd - -	
Tj=7°C		Pdh - kW		Tj=7°C		COPd - -	
Tj=12°C		Pdh - kW		Tj=12°C		COPd - -	
Tj=bivalent temperature		Pdh - kW		Tj=bivalent temperature		COPd - -	
Tj=operating limit		Pdh - kW		Tj=operating limit		COPd - -	
Declared capacity for heating / Colder season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Colder season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C		Pdh - kW		Tj=-7°C		COPd - -	
Tj=2°C		Pdh - kW		Tj=2°C		COPd - -	
Tj=7°C		Pdh - kW		Tj=7°C		COPd - -	
Tj=12°C		Pdh - kW		Tj=12°C		COPd - -	
Tj=bivalent temperature		Pdh - kW		Tj=bivalent temperature		COPd - -	
Tj=operating limit		Pdh - kW		Tj=operating limit		COPd - -	
Tj=-15°C		Pdh - kW		Tj=-15°C		COPd - -	
Bivalent temperature				Operating limit temperature			
heating / Average		Tbiv -7 °C		heating / Average		Tol -15 °C	
heating / Warmer		Tbiv - °C		heating / Warmer		Tol - °C	
heating / Colder		Tbiv - °C		heating / Colder		Tol - °C	
Cycling interval capacity				Cycling interval efficiency			
for cooling		Pcycc - kW		for cooling		EERcyc - -	
for heating		Pcyh - kW		for heating		COPcyc - -	
Degradation coefficient				Degradation coefficient			
cooling		Cdc 0.25 -		heating		Cdh 0.25 -	
Electric power input in power modes other than 'active mode'				Annual electricity consumption			
off mode		Poff 15 W		cooling		Qce 471 kWh/a	
standby mode		Psb 15 W		heating / Average		Qhe 2755 kWh/a	
thermostat-off mode		Pto 40 W		heating / Warmer		Qhe - kWh/a	
crankcase heater mode		Pck 0 W		heating / colder		Qhe - kWh/a	
Capacity control(indicate one of three options)				Other items			
fixed		No		Sound power level(indoor)		Lwa 58 dB(A)	
staged		No		Sound power level(outdoor)		Lwa 66 dB(A)	
variable		Yes		Global warming potential		GWP 1975 kgCO2eq.	
				Rated air flow(indoor)		- 810 m3/h	
				Rated air flow(outdoor)		- 3360 m3/h	
Contact details for obtaining more information		Name and address of the manufacturer or of its authorised representative. Mitsubishi Heavy Industries Air-Conditioning Europe, Ltd. 7 Roundwood Avenue, Stockley Park, Uxbridge, Middlesex, UB11 1AX, United Kingdom					

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Information to identify the model(s) to which the information relates to:				If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.			
Indoor unit model name		SRK20ZMX-S x 4		Average(mandatory)		Yes	
Outdoor unit model name		SCM80ZM-S		Warmer(if designated)		No	
Function(indicate if present)				Colder(if designated)			
cooling		Yes		Colder(if designated)		No	
heating		Yes					
Item		symbol value unit		Item		symbol value class	
Design load				Seasonal efficiency and energy efficiency class			
cooling		Pdesignc 8.00 kW		cooling		SEER 6.29 A++	
heating / Average		Pdesignh 7.50 kW		heating / Average		SCOP/A 3.81 A	
heating / Warmer		Pdesignh - kW		heating / Warmer		SCOP/W - -	
heating / Colder		Pdesignh - kW		heating / Colder		SCOP/C - -	
Declared capacity at outdoor temperature Tdesignh				Back up heating capacity at outdoor temperature Tdesignh			
heating / Average (-10°C)		Pdh 5.98 kW		heating / Average (-10°C)		elbu 1.52 kW	
heating / Warmer (2°C)		Pdh - kW		heating / Warmer (2°C)		elbu - kW	
heating / Colder (-22°C)		Pdh - kW		heating / Colder (-22°C)		elbu - kW	
Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj				Declared energy efficiency ratio, at indoor temperature 27(19)°C and outdoor temperature Tj			
Tj=35°C		Pdc 8.00 kW		Tj=35°C		EERd 3.80 -	
Tj=30°C		Pdc 5.94 kW		Tj=30°C		EERd 5.50 -	
Tj=25°C		Pdc 3.70 kW		Tj=25°C		EERd 8.15 -	
Tj=20°C		Pdc 4.31 kW		Tj=20°C		EERd 10.19 -	
Declared capacity for heating / Average season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Average season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C		Pdh 6.62 kW		Tj=-7°C		COPd 2.45 -	
Tj=2°C		Pdh 3.95 kW		Tj=2°C		COPd 3.99 -	
Tj=7°C		Pdh 2.57 kW		Tj=7°C		COPd 4.57 -	
Tj=12°C		Pdh 2.63 kW		Tj=12°C		COPd 5.58 -	
Tj=bivalent temperature		Pdh 6.62 kW		Tj=bivalent temperature		COPd 2.45 -	
Tj=operating limit		Pdh 4.90 kW		Tj=operating limit		COPd 1.80 -	
Declared capacity for heating / Warmer season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Warmer season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=2°C		Pdh - kW		Tj=2°C		COPd - -	
Tj=7°C		Pdh - kW		Tj=7°C		COPd - -	
Tj=12°C		Pdh - kW		Tj=12°C		COPd - -	
Tj=bivalent temperature		Pdh - kW		Tj=bivalent temperature		COPd - -	
Tj=operating limit		Pdh - kW		Tj=operating limit		COPd - -	
Declared capacity for heating / Colder season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Colder season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C		Pdh - kW		Tj=-7°C		COPd - -	
Tj=2°C		Pdh - kW		Tj=2°C		COPd - -	
Tj=7°C		Pdh - kW		Tj=7°C		COPd - -	
Tj=12°C		Pdh - kW		Tj=12°C		COPd - -	
Tj=bivalent temperature		Pdh - kW		Tj=bivalent temperature		COPd - -	
Tj=operating limit		Pdh - kW		Tj=operating limit		COPd - -	
Tj=-15°C		Pdh - kW		Tj=-15°C		COPd - -	
Bivalent temperature				Operating limit temperature			
heating / Average		Tbiv -7 °C		heating / Average		Tol -15 °C	
heating / Warmer		Tbiv - °C		heating / Warmer		Tol - °C	
heating / Colder		Tbiv - °C		heating / Colder		Tol - °C	
Cycling interval capacity				Cycling interval efficiency			
for cooling		Pcycc - kW		for cooling		EERcyc - -	
for heating		Pcyhc - kW		for heating		COPcyc - -	
Degradation coefficient				Degradation coefficient			
cooling		Cdc 0.25 -		heating		Cdh 0.25 -	
Electric power input in power modes other than 'active mode'				Annual electricity consumption			
off mode		Poff 15 W		cooling		Qce 446 kWh/a	
standby mode		Psb 15 W		heating / Average		Qhe 2755 kWh/a	
thermostat-off mode		Pto 40 W		heating / Warmer		Qhe - kWh/a	
crankcase heater mode		Pck 0 W		heating / colder		Qhe - kWh/a	
Capacity control(indicate one of three options)				Other items			
fixed		No		Sound power level(indoor)		Lwa 53 dB(A)	
staged		No		Sound power level(outdoor)		Lwa 66 dB(A)	
variable		Yes		Global warming potential		GWP 1975 kgCO2eq.	
				Rated air flow(indoor)		- 690 m3/h	
				Rated air flow(outdoor)		- 3360 m3/h	
Contact details for obtaining more information		Name and address of the manufacturer or of its authorised representative.					
		Mitsubishi Heavy Industries Air-Conditioning Europe, Ltd. 7 Roundwood Avenue, Stockley Park, Uxbridge, Middlesex, UB11 1AX, United Kingdom					
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Information to identify the model(s) to which the information relates to:				If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.			
Indoor unit model name		SRK35ZM-S+SRK50ZM-S		Average(mandatory)		Yes	
Outdoor unit model name		SCM80ZM-S		Warmer(if designated)		No	
Function(indicate if present)				Colder(if designated)			
cooling		Yes					
heating		Yes					
Item				Item			
		symbol value unit				symbol value class	
Design load				Seasonal efficiency and energy efficiency class			
cooling		Pdesignc 7.50 kW		cooling		SEER 5.66 A+	
heating / Average		Pdesignh 7.60 kW		heating / Average		SCOP/A 3.80 A	
heating / Warmer		Pdesignh - kW		heating / Warmer		SCOP/W - -	
heating / Colder		Pdesignh - kW		heating / Colder		SCOP/C - -	
				unit			
Declared capacity at outdoor temperature Tdesignh				Back up heating capacity at outdoor temperature Tdesignh			
heating / Average (-10°C)		Pdh 6.69 kW		heating / Average (-10°C)		elbu 0.91 kW	
heating / Warmer (2°C)		Pdh - kW		heating / Warmer (2°C)		elbu - kW	
heating / Colder (-22°C)		Pdh - kW		heating / Colder (-22°C)		elbu - kW	
Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj				Declared energy efficiency ratio, at indoor temperature 27(19)°C and outdoor temperature Tj			
Tj=35°C		Pdc 7.50 kW		Tj=35°C		EERd 2.79 -	
Tj=30°C		Pdc 5.54 kW		Tj=30°C		EERd 4.74 -	
Tj=25°C		Pdc 3.52 kW		Tj=25°C		EERd 8.46 -	
Tj=20°C		Pdc 4.19 kW		Tj=20°C		EERd 9.27 -	
Declared capacity for heating / Average season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Average season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C		Pdh 6.80 kW		Tj=-7°C		COPd 2.29 -	
Tj=2°C		Pdh 3.99 kW		Tj=2°C		COPd 4.12 -	
Tj=7°C		Pdh 3.04 kW		Tj=7°C		COPd 4.64 -	
Tj=12°C		Pdh 3.58 kW		Tj=12°C		COPd 5.35 -	
Tj=bivalent temperature		Pdh 6.80 kW		Tj=bivalent temperature		COPd 2.29 -	
Tj=operating limit		Pdh 6.50 kW		Tj=operating limit		COPd 2.14 -	
Declared capacity for heating / Warmer season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Warmer season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=2°C		Pdh - kW		Tj=2°C		COPd - -	
Tj=7°C		Pdh - kW		Tj=7°C		COPd - -	
Tj=12°C		Pdh - kW		Tj=12°C		COPd - -	
Tj=bivalent temperature		Pdh - kW		Tj=bivalent temperature		COPd - -	
Tj=operating limit		Pdh - kW		Tj=operating limit		COPd - -	
Declared capacity for heating / Colder season, at indoor temperature 20°C and outdoor temperature Tj				Declared coefficient of performance / Colder season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C		Pdh - kW		Tj=-7°C		COPd - -	
Tj=2°C		Pdh - kW		Tj=2°C		COPd - -	
Tj=7°C		Pdh - kW		Tj=7°C		COPd - -	
Tj=12°C		Pdh - kW		Tj=12°C		COPd - -	
Tj=bivalent temperature		Pdh - kW		Tj=bivalent temperature		COPd - -	
Tj=operating limit		Pdh - kW		Tj=operating limit		COPd - -	
Tj=-15°C		Pdh - kW		Tj=-15°C		COPd - -	
Bivalent temperature				Operating limit temperature			
heating / Average		Tbiv -7 °C		heating / Average		Tol -15 °C	
heating / Warmer		Tbiv - °C		heating / Warmer		Tol - °C	
heating / Colder		Tbiv - °C		heating / Colder		Tol - °C	
Cycling interval capacity				Cycling interval efficiency			
for cooling		Pcycc - kW		for cooling		EERcyc - -	
for heating		Pcyh - kW		for heating		COPcyc - -	
Degradation coefficient				Degradation coefficient			
cooling		Cdc 0.25 -		heating		Cdh 0.25 -	
Electric power input in power modes other than 'active mode'				Annual electricity consumption			
off mode		Poff 18 W		cooling		Qce 464 kWh/a	
standby mode		Psb 18 W		heating / Average		Qhe 2803 kWh/a	
thermostat-off mode		Pto 52 W		heating / Warmer		Qhe - kWh/a	
crankcase heater mode		Pck 0 W		heating / colder		Qhe - kWh/a	
Capacity control(indicate one of three options)				Other items			
fixed		No		Sound power level(indoor)		Lwa 61 dB(A)	
staged		No		Sound power level(outdoor)		Lwa 66 dB(A)	
variable		Yes		Global warming potential		GWP 1975 kgCO2eq.	
				Rated air flow(indoor)		- 678 m3/h	
				Rated air flow(outdoor)		- 3360 m3/h	
Contact details for obtaining more information		Name and address of the manufacturer or of its authorised representative. Mitsubishi Heavy Industries Air-Conditioning Europe, Ltd. 7 Roundwood Avenue, Stockley Park, Uxbridge, Middlesex, UB11 1AX, United Kingdom					
		A RWC000Z284					

Information to identify the model(s) to which the information relates to:		If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.	
Indoor unit model name	SRK20ZM-S+SRK25ZM-S+SRK35ZM-S		
Outdoor unit model name	SCM80ZM-S		
Function(indicate if present)		Average(mandatory)	
cooling	Yes	Warmer(if designated)	Yes
heating	Yes	Colder(if designated)	No
Item	symbol	value	unit
Design load			
cooling	Pdesignc	7.50	kW
heating / Average	Pdesignh	7.60	kW
heating / Warmer	Pdesignh	-	kW
heating / Colder	Pdesignh	-	kW
Declared capacity at outdoor temperature Tdesignh			
heating / Average (-10°C)	Pdh	6.69	kW
heating / Warmer (2°C)	Pdh	-	kW
heating / Colder (-22°C)	Pdh	-	kW
Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj			
Tj=35°C	Pdc	7.50	kW
Tj=30°C	Pdc	5.54	kW
Tj=25°C	Pdc	3.52	kW
Tj=20°C	Pdc	4.19	kW
Declared capacity for heating / Average season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C	Pdh	6.80	kW
Tj=2°C	Pdh	3.99	kW
Tj=7°C	Pdh	3.04	kW
Tj=12°C	Pdh	3.58	kW
Tj=bivalent temperature	Pdh	6.80	kW
Tj=operating limit	Pdh	6.50	kW
Declared capacity for heating / Warmer season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=2°C	Pdh	-	kW
Tj=7°C	Pdh	-	kW
Tj=12°C	Pdh	-	kW
Tj=bivalent temperature	Pdh	-	kW
Tj=operating limit	Pdh	-	kW
Declared capacity for heating / Colder season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C	Pdh	-	kW
Tj=2°C	Pdh	-	kW
Tj=7°C	Pdh	-	kW
Tj=12°C	Pdh	-	kW
Tj=bivalent temperature	Pdh	-	kW
Tj=operating limit	Pdh	-	kW
Tj=-15°C	Pdh	-	kW
Bivalent temperature		Operating limit temperature	
heating / Average	Tbiv	-7	°C
heating / Warmer	Tbiv	-	°C
heating / Colder	Tbiv	-	°C
heating / Average	Tol	-15	°C
heating / Warmer	Tol	-	°C
heating / Colder	Tol	-	°C
Cycling interval capacity		Cycling interval efficiency	
for cooling	Pcycc	-	kW
for heating	Pcych	-	kW
for cooling	EERcyc	-	-
for heating	COPcyc	-	-
Degradation coefficient		Degradation coefficient	
cooling	Cdc	0.25	-
heating	Cdh	0.25	-
Electric power input in power modes other than 'active mode'		Annual electricity consumption	
off mode	Poff	20	W
standby mode	Psb	20	W
thermostat-off mode	Pto	52	W
crankcase heater mode	Pck	0	W
cooling	Qce	456	kWh/a
heating / Average	Qhe	2803	kWh/a
heating / Warmer	Qhe	-	kWh/a
heating / colder	Qhe	-	kWh/a
Capacity control(indicate one of three options)		Other items	
fixed		Lwa	58 dB(A)
staged	No	Lwa	66 dB(A)
variable	No	GWP	1975 kgCO2eq.
	Yes	Rated air flow(indoor)	606 m3/h
		Rated air flow(outdoor)	3360 m3/h
Contact details for obtaining more information	Name and address of the manufacturer or of its authorised representative. Mitsubishi Heavy Industries Air-Conditioning Europe, Ltd. 7 Roundwood Avenue, Stockley Park, Uxbridge, Middlesex, UB11 1AX, United Kingdom		

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Information to identify the model(s) to which the information relates to:		If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.			
Indoor unit model name	SRK20ZM-S x 4				
Outdoor unit model name	SCM80ZM-S				
Function(indicate if present)		Average(mandatory)		Yes	
cooling	Yes		Warmer(if designated)	No	
heating	Yes		Colder(if designated)	No	
Item	symbol	value	unit	Item	symbol value class
Design load	Seasonal efficiency and energy efficiency class				
cooling	Pdesignc	7.50	kW	cooling	SEER 5.85 A+
heating / Average	Pdesignh	7.60	kW	heating / Average	SCOP/A 3.80 A
heating / Warmer	Pdesignh	-	kW	heating / Warmer	SCOP/W - -
heating / Colder	Pdesignh	-	kW	heating / Colder	SCOP/C - -
Declared capacity at outdoor temperature Tdesignh		Back up heating capacity at outdoor temperature Tdesignh			
heating / Average (-10°C)	Pdh	6.69	kW	heating / Average (-10°C)	elbu 0.91 kW
heating / Warmer (2°C)	Pdh	-	kW	heating / Warmer (2°C)	elbu - kW
heating / Colder (-22°C)	Pdh	-	kW	heating / Colder (-22°C)	elbu - kW
Declared capacity for cooling, at indoor temperature 27(19)°C and outdoor temperature Tj		Declared energy efficiency ratio, at indoor temperature 27(19)°C and outdoor temperature Tj			
Tj=35°C	Pdc	7.50	kW	Tj=35°C	EERd 3.57 -
Tj=30°C	Pdc	5.54	kW	Tj=30°C	EERd 5.03 -
Tj=25°C	Pdc	3.52	kW	Tj=25°C	EERd 8.68 -
Tj=20°C	Pdc	4.19	kW	Tj=20°C	EERd 9.27 -
Declared capacity for heating / Average season, at indoor temperature 20°C and outdoor temperature Tj		Declared coefficient of performance / Average season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C	Pdh	6.80	kW	Tj=-7°C	COPd 2.29 -
Tj=2°C	Pdh	3.99	kW	Tj=2°C	COPd 4.12 -
Tj=7°C	Pdh	3.04	kW	Tj=7°C	COPd 4.64 -
Tj=12°C	Pdh	3.58	kW	Tj=12°C	COPd 5.35 -
Tj=bivalent temperature	Pdh	6.80	kW	Tj=bivalent temperature	COPd 2.29 -
Tj=operating limit	Pdh	6.50	kW	Tj=operating limit	COPd 2.14 -
Declared capacity for heating / Warmer season, at indoor temperature 20°C and outdoor temperature Tj		Declared coefficient of performance / Warmer season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=2°C	Pdh	-	kW	Tj=2°C	COPd - -
Tj=7°C	Pdh	-	kW	Tj=7°C	COPd - -
Tj=12°C	Pdh	-	kW	Tj=12°C	COPd - -
Tj=bivalent temperature	Pdh	-	kW	Tj=bivalent temperature	COPd - -
Tj=operating limit	Pdh	-	kW	Tj=operating limit	COPd - -
Declared capacity for heating / Colder season, at indoor temperature 20°C and outdoor temperature Tj		Declared coefficient of performance / Colder season, at indoor temperature 20°C and outdoor temperature Tj			
Tj=-7°C	Pdh	-	kW	Tj=-7°C	COPd - -
Tj=2°C	Pdh	-	kW	Tj=2°C	COPd - -
Tj=7°C	Pdh	-	kW	Tj=7°C	COPd - -
Tj=12°C	Pdh	-	kW	Tj=12°C	COPd - -
Tj=bivalent temperature	Pdh	-	kW	Tj=bivalent temperature	COPd - -
Tj=operating limit	Pdh	-	kW	Tj=operating limit	COPd - -
Tj=-15°C	Pdh	-	kW	Tj=-15°C	COPd - -
Bivalent temperature		Operating limit temperature			
heating / Average	Tbiv	-7	°C	heating / Average	Tol -15 °C
heating / Warmer	Tbiv	-	°C	heating / Warmer	Tol - °C
heating / Colder	Tbiv	-	°C	heating / Colder	Tol - °C
Cycling interval capacity		Cycling interval efficiency			
for cooling	Pcyc	-	kW	for cooling	EERcyc - -
for heating	Pcyc	-	kW	for heating	COPcyc - -
Degradation coefficient		Degradation coefficient			
cooling	Cdc	0.25	-	heating	Cdh 0.25 -
Electric power input in power modes other than 'active mode'		Annual electricity consumption			
off mode	Poff	22	W	cooling	Qce 449 kWh/a
standby mode	Psb	22	W	heating / Average	Qhe 2803 kWh/a
thermostat-off mode	Pto	52	W	heating / Warmer	Qhe - kWh/a
crankcase heater mode	Pck	0	W	heating / colder	Qhe - kWh/a
Capacity control(indicate one of three options)		Other items			
fixed	No		Sound power level(indoor)	Lwa	46 dB(A)
staged	No		Sound power level(outdoor)	Lwa	66 dB(A)
variable	Yes		Global warming potential	GWP	1975 kgCO2eq.
			Rated air flow(indoor)	-	468 m3/h
			Rated air flow(outdoor)	-	3360 m3/h
Contact details for obtaining more information	Name and address of the manufacturer or of its authorised representative. Mitsubishi Heavy Industries Air-Conditioning Europe, Ltd. 7 Roundwood Avenue, Stockley Park, Uxbridge, Middlesex, UB11 1AX, United Kingdom				

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(7) Model SCM100ZM-S

Information to identify the model(s) to which the information relates to:		If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.	
Indoor unit model name	SRK25ZMX-Sx2+SRK50ZMX-S		
Outdoor unit model name	SCM100ZM-S		
Function(indicate if present)		Average(mandatory)	
cooling	Yes	Warmer(if designated)	Yes
heating	Yes	Colder(if designated)	No
Item	symbol	value	unit
Design load			
cooling	Pdesignc	10.00	kW
heating / Average	Pdesignh	10.10	kW
heating / Warmer	Pdesignh	-	kW
heating / Colder	Pdesignh	-	kW
Item	symbol	value	class
Seasonal efficiency and energy efficiency class			
cooling	SEER	4.95	B
heating / Average	SCOP/A	3.89	A
heating / Warmer	SCOP/W	-	-
heating / Colder	SCOP/C	-	-
unit			
Declared capacity at outdoor temperature Tdesignh			
heating / Average (-10°C)	Pdh	8.62	kW
heating / Warmer (2°C)	Pdh	-	kW
heating / Colder (-22°C)	Pdh	-	kW
Back up heating capacity at outdoor temperature Tdesignh			
heating / Average (-10°C)	elbu	1.48	kW
heating / Warmer (2°C)	elbu	-	kW
heating / Colder (-22°C)	elbu	-	kW
Declared capacity for cooling, at indoor temperature 27(1°C and outdoor temperature Tj			
Tj=35°C	Pdc	10.00	kW
Tj=30°C	Pdc	7.65	kW
Tj=25°C	Pdc	8.10	kW
Tj=20°C	Pdc	7.81	kW
Declared energy efficiency ratio, at indoor temperature 27(1°C and outdoor temperature Tj			
Tj=35°C	EERd	3.51	-
Tj=30°C	EERd	5.45	-
Tj=25°C	EERd	6.98	-
Tj=20°C	EERd	7.55	-
Declared capacity for heating / Average season, at indoor temperature 2°C and outdoor temperature T			
Tj=-7°C	Pdh	8.93	kW
Tj=2°C	Pdh	5.49	kW
Tj=7°C	Pdh	4.61	kW
Tj=12°C	Pdh	5.34	kW
Tj=bivalent temperature	Pdh	8.93	kW
Tj=operating limit	Pdh	8.11	kW
Declared coefficient of performance / Average season, at indoor temperature 2°C and outdoor temperature T			
Tj=-7°C	COPd	2.43	-
Tj=2°C	COPd	3.88	-
Tj=7°C	COPd	5.35	-
Tj=12°C	COPd	6.72	-
Tj=bivalent temperature	COPd	2.43	-
Tj=operating limit	COPd	2.29	-
Declared capacity for heating / Warmer season, at indoor temperature 2°C and outdoor temperature T			
Tj=2°C	Pdh	-	kW
Tj=7°C	Pdh	-	kW
Tj=12°C	Pdh	-	kW
Tj=bivalent temperature	Pdh	-	kW
Tj=operating limit	Pdh	-	kW
Declared coefficient of performance / Warmer season, at indoor temperature 2°C and outdoor temperature T			
Tj=2°C	COPd	-	-
Tj=7°C	COPd	-	-
Tj=12°C	COPd	-	-
Tj=bivalent temperature	COPd	-	-
Tj=operating limit	COPd	-	-
Declared capacity for heating / Colder season, at indoor temperature 2°C and outdoor temperature T			
Tj=-7°C	Pdh	-	kW
Tj=2°C	Pdh	-	kW
Tj=7°C	Pdh	-	kW
Tj=12°C	Pdh	-	kW
Tj=bivalent temperature	Pdh	-	kW
Tj=operating limit	Pdh	-	kW
Tj=-15°C	Pdh	-	kW
Declared coefficient of performance / Colder season, at indoor temperature 2°C and outdoor temperature T			
Tj=-7°C	COPd	-	-
Tj=2°C	COPd	-	-
Tj=7°C	COPd	-	-
Tj=12°C	COPd	-	-
Tj=bivalent temperature	COPd	-	-
Tj=operating limit	COPd	-	-
Tj=-15°C	COPd	-	-
Bivalent temperature			
heating / Average	Tbiv	-7	°C
heating / Warmer	Tbiv	-	°C
heating / Colder	Tbiv	-	°C
Operating limit temperature			
heating / Average	Tol	-15	°C
heating / Warmer	Tol	-	°C
heating / Colder	Tol	-	°C
Cycling interval capacity			
for cooling	Pcyc	-	kW
for heating	Pcyc	-	kW
Cycling interval efficiency			
for cooling	EERcyc	-	-
for heating	COPcyc	-	-
Degradation coefficient			
cooling	Cdc	0.25	-
Degradation coefficient			
heating	Cdh	0.25	-
Electric power input in power modes other than 'active mode'			
off mode	Poff	39	W
standby mode	Psb	39	W
thermostat-off mode	Pto	48	W
crankcase heater mode	Pck	0	W
Annual electricity consumption			
cooling	Qce	707	kWh/a
heating / Average	Qhe	3633	kWh/a
heating / Warmer	Qhe	-	kWh/a
heating / colder	Qhe	-	kWh/a
Capacity control(indicate one of three options)			
fixed		No	
staged		No	
variable		Yes	
Other items			
Sound power level(indoor)	Lwa	60	dB(A)
Sound power level(outdoor)	Lwa	68	dB(A)
Global warming potential	GWP	1975	kgCO2eq.
Rated air flow(indoor)	-	810	m3/h
Rated air flow(outdoor)	-	4500	m3/h
Contact details for obtaining more information	Name and address of the manufacturer or of its authorised representative. Mitsubishi Heavy Industries Air-Conditioning Europe, Ltd. 7 Roundwood Avenue, Stockley Park, Uxbridge, Middlesex, UB11 1AX, United Kingdom		

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Information to identify the model(s) to which the information relates to:				If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.			
Indoor unit model name		SRK25ZMX-Sx4		Average(mandatory)		Yes	
Outdoor unit model name		SCM100ZM-S		Warmer(if designated)		No	
Function(indicate if present)				Colder(if designated)			
cooling		Yes					
heating		Yes					
Item				Item			
		symbol value unit				symbol value class	
Design load				Seasonal efficiency and energy efficiency class			
cooling		Pdesignc 10.00 kW		cooling		SEER 5.01 B	
heating / Average		Pdesignh 10.10 kW		heating / Average		SCOP/A 3.95 A	
heating / Warmer		Pdesignh - kW		heating / Warmer		SCOP/W - -	
heating / Colder		Pdesignh - kW		heating / Colder		SCOP/C - -	
Declared capacity at outdoor temperature Tdesignh				Back up heating capacity at outdoor temperature Tdesignh			
heating / Average (-10°C)		Pdh 8.62 kW		heating / Average (-10°C)		elbu 1.48 kW	
heating / Warmer (2°C)		Pdh - kW		heating / Warmer (2°C)		elbu - kW	
heating / Colder (-22°C)		Pdh - kW		heating / Colder (-22°C)		elbu - kW	
Declared capacity for cooling, at indoor temperature 27(1°C and outdoor temperature Tj				Declared energy efficiency ratio, at indoor temperature 27(1°C and outdoor temperature Tj			
Tj=35°C		Pdc 10.00 kW		Tj=35°C		EERd 3.57 -	
Tj=30°C		Pdc 7.65 kW		Tj=30°C		EERd 5.55 -	
Tj=25°C		Pdc 8.10 kW		Tj=25°C		EERd 7.04 -	
Tj=20°C		Pdc 7.81 kW		Tj=20°C		EERd 7.65 -	
Declared capacity for heating / Average season, at indoor temperature 2°C and outdoor temperature T				Declared coefficient of performance / Average season, at indoor temperature 2°C and outdoor temperature T			
Tj=-7°C		Pdh 8.93 kW		Tj=-7°C		COPd 2.45 -	
Tj=2°C		Pdh 5.49 kW		Tj=2°C		COPd 3.90 -	
Tj=7°C		Pdh 4.61 kW		Tj=7°C		COPd 5.55 -	
Tj=12°C		Pdh 5.34 kW		Tj=12°C		COPd 6.82 -	
Tj=bivalent temperature		Pdh 8.93 kW		Tj=bivalent temperature		COPd 2.45 -	
Tj=operating limit		Pdh 8.11 kW		Tj=operating limit		COPd 2.29 -	
Declared capacity for heating / Warmer season, at indoor temperature 2°C and outdoor temperature T				Declared coefficient of performance / Warmer season, at indoor temperature 2°C and outdoor temperature T			
Tj=2°C		Pdh - kW		Tj=2°C		COPd - -	
Tj=7°C		Pdh - kW		Tj=7°C		COPd - -	
Tj=12°C		Pdh - kW		Tj=12°C		COPd - -	
Tj=bivalent temperature		Pdh - kW		Tj=bivalent temperature		COPd - -	
Tj=operating limit		Pdh - kW		Tj=operating limit		COPd - -	
Declared capacity for heating / Colder season, at indoor temperature 2°C and outdoor temperature T				Declared coefficient of performance / Colder season, at indoor temperature 2°C and outdoor temperature T			
Tj=-7°C		Pdh - kW		Tj=-7°C		COPd - -	
Tj=2°C		Pdh - kW		Tj=2°C		COPd - -	
Tj=7°C		Pdh - kW		Tj=7°C		COPd - -	
Tj=12°C		Pdh - kW		Tj=12°C		COPd - -	
Tj=bivalent temperature		Pdh - kW		Tj=bivalent temperature		COPd - -	
Tj=operating limit		Pdh - kW		Tj=operating limit		COPd - -	
Tj=-15°C		Pdh - kW		Tj=-15°C		COPd - -	
Bivalent temperature				Operating limit temperature			
heating / Average		Tbiv -7 °C		heating / Average		Tol -15 °C	
heating / Warmer		Tbiv - °C		heating / Warmer		Tol - °C	
heating / Colder		Tbiv - °C		heating / Colder		Tol - °C	
Cycling interval capacity				Cycling interval efficiency			
for cooling		Pcycc - kW		for cooling		EERcyc - -	
for heating		Pcyh - kW		for heating		COPcyc - -	
Degradation coefficient				Degradation coefficient			
cooling		Cdc 0.25 -		heating		Cdh 0.25 -	
Electric power input in power modes other than 'active mode'				Annual electricity consumption			
off mode		Poff 39 W		cooling		Qce 699 kWh/a	
standby mode		Psb 39 W		heating / Average		Qhe 3584 kWh/a	
thermostat-off mode		Pto 48 W		heating / Warmer		Qhe - kWh/a	
crankcase heater mode		Pck 0 W		heating / colder		Qhe - kWh/a	
Capacity control(indicate one of three options)				Other items			
fixed		No		Sound power level(indoor)		Lwa 55 dB(A)	
staged		No		Sound power level(outdoor)		Lwa 68 dB(A)	
variable		Yes		Global warming potential		GWP 1975 kgCO2eq.	
				Rated air flow(indoor)		- 750 m3/h	
				Rated air flow(outdoor)		- 4500 m3/h	
Contact details for obtaining more information		Name and address of the manufacturer or of its authorised representative. Mitsubishi Heavy Industries Air-Conditioning Europe, Ltd. 7 Roundwood Avenue, Stockley Park, Uxbridge, Middlesex, UB11 1AX, United Kingdom					

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Information to identify the model(s) to which the information relates to:		If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.	
Indoor unit model name	SRK20ZMX-Sx5		
Outdoor unit model name	SCM100ZM-S		
Function(indicate if present)		Average(mandatory)	
cooling	Yes	Yes	
heating	Yes	Warmer(if designated)	
		No	
		Colder(if designated)	
		No	
Item	symbol	value	unit
Design load			
cooling	Pdesignc	10.00	kW
heating / Average	Pdesignh	10.10	kW
heating / Warmer	Pdesignh	-	kW
heating / Colder	Pdesignh	-	kW
Declared capacity at outdoor temperature Tdesignh		Back up heating capacity at outdoor temperature Tdesignh	
heating / Average (-10°C)	Pdh	8.62	kW
heating / Warmer (2°C)	Pdh	-	kW
heating / Colder (-22°C)	Pdh	-	kW
Declared capacity for cooling, at indoor temperature 27(1°C and outdoor temperature Tj		Declared energy efficiency ratio, at indoor temperature 27(1°C and outdoor temperature Tj	
Tj=35°C	Pdc	10.00	kW
Tj=30°C	Pdc	7.65	kW
Tj=25°C	Pdc	8.10	kW
Tj=20°C	Pdc	7.81	kW
Tj=35°C	EERd	3.57	-
Tj=30°C	EERd	5.76	-
Tj=25°C	EERd	7.14	-
Tj=20°C	EERd	7.82	-
Declared capacity for heating / Average season, at indoor temperature 2°C and outdoor temperature T		Declared coefficient of performance / Average season, at indoor temperature 2°C and outdoor temperature T	
Tj=-7°C	Pdh	8.93	kW
Tj=2°C	Pdh	5.49	kW
Tj=7°C	Pdh	4.61	kW
Tj=12°C	Pdh	5.34	kW
Tj=bivalent temperature	Pdh	8.93	kW
Tj=operating limit	Pdh	8.11	kW
Tj=-7°C	COPd	2.52	-
Tj=2°C	COPd	3.97	-
Tj=7°C	COPd	5.64	-
Tj=12°C	COPd	6.89	-
Tj=bivalent temperature	COPd	2.52	-
Tj=operating limit	COPd	2.29	-
Declared capacity for heating / Warmer season, at indoor temperature 2°C and outdoor temperature T		Declared coefficient of performance / Warmer season, at indoor temperature 2°C and outdoor temperature T	
Tj=2°C	Pdh	-	kW
Tj=7°C	Pdh	-	kW
Tj=12°C	Pdh	-	kW
Tj=bivalent temperature	Pdh	-	kW
Tj=operating limit	Pdh	-	kW
Tj=2°C	COPd	-	-
Tj=7°C	COPd	-	-
Tj=12°C	COPd	-	-
Tj=bivalent temperature	COPd	-	-
Tj=operating limit	COPd	-	-
Declared capacity for heating / Colder season, at indoor temperature 2°C and outdoor temperature T		Declared coefficient of performance / Colder season, at indoor temperature 2°C and outdoor temperature T	
Tj=-7°C	Pdh	-	kW
Tj=2°C	Pdh	-	kW
Tj=7°C	Pdh	-	kW
Tj=12°C	Pdh	-	kW
Tj=bivalent temperature	Pdh	-	kW
Tj=operating limit	Pdh	-	kW
Tj=-15°C	Pdh	-	kW
Tj=-7°C	COPd	-	-
Tj=2°C	COPd	-	-
Tj=7°C	COPd	-	-
Tj=12°C	COPd	-	-
Tj=bivalent temperature	COPd	-	-
Tj=operating limit	COPd	-	-
Tj=-15°C	COPd	-	-
Bivalent temperature		Operating limit temperature	
heating / Average	Tbiv	-7	°C
heating / Warmer	Tbiv	-	°C
heating / Colder	Tbiv	-	°C
heating / Average	Tol	-15	°C
heating / Warmer	Tol	-	°C
heating / Colder	Tol	-	°C
Cycling interval capacity		Cycling interval efficiency	
for cooling	Pcyc	-	kW
for heating	Pcyc	-	kW
for cooling	EERcyc	-	-
for heating	COPcyc	-	-
Degradation coefficient		Degradation coefficient	
cooling	Cdc	0.25	-
heating	Cdh	0.25	-
Electric power input in power modes other than 'active mode'		Annual electricity consumption	
off mode	Poff	39	W
standby mode	Psb	39	W
thermostat-off mode	Pto	48	W
crankcase heater mode	Pck	0	W
cooling	Qce	687	kWh/a
heating / Average	Qhe	3519	kWh/a
heating / Warmer	Qhe	-	kWh/a
heating / colder	Qhe	-	kWh/a
Capacity control(indicate one of three options)		Other items	
fixed	No	Sound power level(indoor)	Lwa 53 dB(A)
staged	No	Sound power level(outdoor)	Lwa 68 dB(A)
variable	Yes	Global warming potential	GWP 1975 kgCO2eq.
		Rated air flow(indoor)	- 690 m3/h
		Rated air flow(outdoor)	- 4500 m3/h
Contact details for obtaining more information	Name and address of the manufacturer or of its authorised representative. Mitsubishi Heavy Industries Air-Conditioning Europe, Ltd. 7 Roundwood Avenue, Stockley Park, Uxbridge, Middlesex, UB11 1AX, United Kingdom		

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Information to identify the model(s) to which the information relates to:				If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.			
Indoor unit model name		SRK71ZM-S x 2		Average (mandatory)		Yes	
Outdoor unit model name		SCM100ZM-S		Warmer (if designated)		No	
Function (indicate if present)				Colder (if designated)			
cooling		Yes		Warmer (if designated)		No	
heating		Yes		Colder (if designated)		No	
Item				Item			
Design load		symbol value unit		Seasonal efficiency and energy efficiency class		symbol value class	
cooling		Pdesignc 10.00 kW		cooling		SEER 4.88 B	
heating / Average		Pdesignh 10.10 kW		heating / Average		SCOP/A 3.83 A	
heating / Warmer		Pdesignh - kW		heating / Warmer		SCOP/W - -	
heating / Colder		Pdesignh - kW		heating / Colder		SCOP/C - -	
Declared capacity at outdoor temperature Tdesignh				Back up heating capacity at outdoor temperature Tdesignh			
heating / Average (-10°C)		Pdh 8.62 kW		heating / Average (-10°C)		elbu 1.48 kW	
heating / Warmer (2°C)		Pdh - kW		heating / Warmer (2°C)		elbu - kW	
heating / Colder (-22°C)		Pdh - kW		heating / Colder (-22°C)		elbu - kW	
Declared capacity for cooling, at indoor temperature 27(1°C and outdoor temperature Tj				Declared energy efficiency ratio, at indoor temperature 27(1°C and outdoor temperature Tj			
Tj=35°C		Pdc 10.00 kW		Tj=35°C		EERd 3.50 -	
Tj=30°C		Pdc 7.65 kW		Tj=30°C		EERd 5.40 -	
Tj=25°C		Pdc 8.10 kW		Tj=25°C		EERd 6.78 -	
Tj=20°C		Pdc 7.81 kW		Tj=20°C		EERd 7.45 -	
Declared capacity for heating / Average season, at indoor temperature 2°C and outdoor temperature T				Declared coefficient of performance / Average season, at indoor temperature 2°C and outdoor temperature T			
Tj=-7°C		Pdh 8.93 kW		Tj=-7°C		COPd 2.40 -	
Tj=2°C		Pdh 5.49 kW		Tj=2°C		COPd 3.80 -	
Tj=7°C		Pdh 4.61 kW		Tj=7°C		COPd 5.30 -	
Tj=12°C		Pdh 5.34 kW		Tj=12°C		COPd 6.70 -	
Tj=bivalent temperature		Pdh 8.93 kW		Tj=bivalent temperature		COPd 2.40 -	
Tj=operating limit		Pdh 8.11 kW		Tj=operating limit		COPd 2.20 -	
Declared capacity for heating / Warmer season, at indoor temperature 2°C and outdoor temperature T				Declared coefficient of performance / Warmer season, at indoor temperature 2°C and outdoor temperature T			
Tj=2°C		Pdh - kW		Tj=2°C		COPd - -	
Tj=7°C		Pdh - kW		Tj=7°C		COPd - -	
Tj=12°C		Pdh - kW		Tj=12°C		COPd - -	
Tj=bivalent temperature		Pdh - kW		Tj=bivalent temperature		COPd - -	
Tj=operating limit		Pdh - kW		Tj=operating limit		COPd - -	
Declared capacity for heating / Colder season, at indoor temperature 2°C and outdoor temperature T				Declared coefficient of performance / Colder season, at indoor temperature 2°C and outdoor temperature T			
Tj=-7°C		Pdh - kW		Tj=-7°C		COPd - -	
Tj=2°C		Pdh - kW		Tj=2°C		COPd - -	
Tj=7°C		Pdh - kW		Tj=7°C		COPd - -	
Tj=12°C		Pdh - kW		Tj=12°C		COPd - -	
Tj=bivalent temperature		Pdh - kW		Tj=bivalent temperature		COPd - -	
Tj=operating limit		Pdh - kW		Tj=operating limit		COPd - -	
Tj=-15°C		Pdh - kW		Tj=-15°C		COPd - -	
Bivalent temperature				Operating limit temperature			
heating / Average		Tbiv -7 °C		heating / Average		Tol -15 °C	
heating / Warmer		Tbiv - °C		heating / Warmer		Tol - °C	
heating / Colder		Tbiv - °C		heating / Colder		Tol - °C	
Cycling interval capacity				Cycling interval efficiency			
for cooling		Pccyc - kW		for cooling		EERcyc - -	
for heating		Pchyc - kW		for heating		COPcyc - -	
Degradation coefficient				Degradation coefficient			
cooling		Cdc 0.25 -		heating		Cdh 0.25 -	
Electric power input in power modes other than 'active mode'				Annual electricity consumption			
off mode		Poff 39 W		cooling		Qce 718 kWh/a	
standby mode		Psb 39 W		heating / Average		Qhe 3689 kWh/a	
thermostat-off mode		Pto 48 W		heating / Warmer		Qhe - kWh/a	
crankcase heater mode		Pck 0 W		heating / colder		Qhe - kWh/a	
Capacity control (indicate one of three options)				Other items			
fixed		No		Sound power level (indoor)		Lwa 60 dB(A)	
staged		No		Sound power level (outdoor)		Lwa 68 dB(A)	
variable		Yes		Global warming potential		GWP 1975 kgCO2eq.	
				Rated air flow (indoor)		- 1170 m3/h	
				Rated air flow (outdoor)		- 4500 m3/h	
Contact details for obtaining more information		Name and address of the manufacturer or of its authorised representative. Mitsubishi Heavy Industries Air-Conditioning Europe, Ltd. 7 Roundwood Avenue, Stockley Park, Uxbridge, Middlesex, UB11 1AX, United Kingdom					

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Information to identify the model(s) to which the information relates to:				If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.			
Indoor unit model name		SRK25ZMX-Sx2+FDEN50VF		Average(mandatory)		Yes	
Outdoor unit model name		SCM100ZM-S		Warmer(if designated)		No	
Function(indicate if present)				Colder(if designated)			
cooling		Yes					
heating		Yes					
Item				Item			
		symbol value unit				symbol value class	
Design load				Seasonal efficiency and energy efficiency class			
cooling		Pdesignc 10.00 kW		cooling		SEER 4.85 B	
heating / Average		Pdesignh 10.20 kW		heating / Average		SCOP/A 3.83 A	
heating / Warmer		Pdesignh - kW		heating / Warmer		SCOP/W - -	
heating / Colder		Pdesignh - kW		heating / Colder		SCOP/C - -	
Declared capacity at outdoor temperature Tdesignh				Back up heating capacity at outdoor temperature Tdesignh			
heating / Average (-10°C)		Pdh 8.92 kW		heating / Average (-10°C)		elbu 1.28 kW	
heating / Warmer (2°C)		Pdh - kW		heating / Warmer (2°C)		elbu - kW	
heating / Colder (-22°C)		Pdh - kW		heating / Colder (-22°C)		elbu - kW	
Declared capacity for cooling, at indoor temperature 27(1°C and outdoor temperature Tj				Declared energy efficiency ratio, at indoor temperature 27(1°C and outdoor temperature Tj			
Tj=35°C		Pdc 10.00 kW		Tj=35°C		EERd 3.10 -	
Tj=30°C		Pdc 7.37 kW		Tj=30°C		EERd 4.91 -	
Tj=25°C		Pdc 6.86 kW		Tj=25°C		EERd 7.14 -	
Tj=20°C		Pdc 6.80 kW		Tj=20°C		EERd 8.08 -	
Declared capacity for heating / Average season, at indoor temperature 2°C and outdoor temperature T				Declared coefficient of performance / Average season, at indoor temperature 2°C and outdoor temperature T			
Tj=-7°C		Pdh 9.02 kW		Tj=-7°C		COPd 2.35 -	
Tj=2°C		Pdh 5.49 kW		Tj=2°C		COPd 3.97 -	
Tj=7°C		Pdh 4.61 kW		Tj=7°C		COPd 5.19 -	
Tj=12°C		Pdh 5.44 kW		Tj=12°C		COPd 5.39 -	
Tj=bivalent temperature		Pdh 9.02 kW		Tj=bivalent temperature		COPd 2.35 -	
Tj=operating limit		Pdh 8.75 kW		Tj=operating limit		COPd 2.62 -	
Declared capacity for heating / Warmer season, at indoor temperature 2°C and outdoor temperature T				Declared coefficient of performance / Warmer season, at indoor temperature 2°C and outdoor temperature T			
Tj=2°C		Pdh - kW		Tj=2°C		COPd - -	
Tj=7°C		Pdh - kW		Tj=7°C		COPd - -	
Tj=12°C		Pdh - kW		Tj=12°C		COPd - -	
Tj=bivalent temperature		Pdh - kW		Tj=bivalent temperature		COPd - -	
Tj=operating limit		Pdh - kW		Tj=operating limit		COPd - -	
Declared capacity for heating / Colder season, at indoor temperature 2°C and outdoor temperature T				Declared coefficient of performance / Colder season, at indoor temperature 2°C and outdoor temperature T			
Tj=-7°C		Pdh - kW		Tj=-7°C		COPd - -	
Tj=2°C		Pdh - kW		Tj=2°C		COPd - -	
Tj=7°C		Pdh - kW		Tj=7°C		COPd - -	
Tj=12°C		Pdh - kW		Tj=12°C		COPd - -	
Tj=bivalent temperature		Pdh - kW		Tj=bivalent temperature		COPd - -	
Tj=operating limit		Pdh - kW		Tj=operating limit		COPd - -	
Tj=-15°C		Pdh - kW		Tj=-15°C		COPd - -	
Bivalent temperature				Operating limit temperature			
heating / Average		Tbiv -7 °C		heating / Average		Tol -15 °C	
heating / Warmer		Tbiv - °C		heating / Warmer		Tol - °C	
heating / Colder		Tbiv - °C		heating / Colder		Tol - °C	
Cycling interval capacity				Cycling interval efficiency			
for cooling		Pcycc - kW		for cooling		EERcyc - -	
for heating		Pcyh - kW		for heating		COPcyc - -	
Degradation coefficient				Degradation coefficient			
cooling		Cdc 0.25 -		heating		Cdh 0.25 -	
Electric power input in power modes other than 'active mode'				Annual electricity consumption			
off mode		Poff 45 W		cooling		Qce 723 kWh/a	
standby mode		Psb 45 W		heating / Average		Qhe 3730 kWh/a	
thermostat-off mode		Pto 55 W		heating / Warmer		Qhe - kWh/a	
crankcase heater mode		Pck 0 W		heating / colder		Qhe - kWh/a	
Capacity control(indicate one of three options)				Other items			
fixed		No		Sound power level(indoor)		Lwa 60 dB(A)	
staged		No		Sound power level(outdoor)		Lwa 68 dB(A)	
variable		Yes		Global warming potential		GWP 1975 kgCO2eq.	
				Rated air flow(indoor)		- 780 m3/h	
				Rated air flow(outdoor)		- 4500 m3/h	
Contact details for obtaining more information		Name and address of the manufacturer or of its authorised representative. Mitsubishi Heavy Industries Air-Conditioning Europe, Ltd. 7 Roundwood Avenue, Stockley Park, Uxbridge, Middlesex, UB11 1AX, United Kingdom					
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Information to identify the model(s) to which the information relates to:		If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.	
Indoor unit model name	SRK25ZM-Sx4		
Outdoor unit model name	SCM100ZM-S		
Function(indicate if present)		Average(mandatory)	
cooling	Yes	Warmer(if designated)	No
heating	Yes	Colder(if designated)	No
Item	symbol	value	unit
Design load		Seasonal efficiency and energy efficiency class	
cooling	Pdesignc	10.00	kW
heating / Average	Pdesignh	10.20	kW
heating / Warmer	Pdesignh	-	kW
heating / Colder	Pdesignh	-	kW
Declared capacity at outdoor temperature Tdesignh		Back up heating capacity at outdoor temperature Tdesignh	
heating / Average (-10°C)	Pdh	8.92	kW
heating / Warmer (2°C)	Pdh	-	kW
heating / Colder (-22°C)	Pdh	-	kW
Declared capacity for cooling, at indoor temperature 27(1°C and outdoor temperature Tj		Declared energy efficiency ratio, at indoor temperature 27(1°C and outdoor temperature Tj	
Tj=35°C	Pdc	10.00	kW
Tj=30°C	Pdc	7.37	kW
Tj=25°C	Pdc	6.86	kW
Tj=20°C	Pdc	6.80	kW
Declared capacity for heating / Average season, at indoor temperature 2°C and outdoor temperature T		Declared coefficient of performance / Average season, at indoor temperature 2°C and outdoor temperature T	
Tj=-7°C	Pdh	9.02	kW
Tj=2°C	Pdh	5.49	kW
Tj=7°C	Pdh	4.61	kW
Tj=12°C	Pdh	5.44	kW
Tj=bivalent temperature	Pdh	9.02	kW
Tj=operating limit	Pdh	8.75	kW
Declared capacity for heating / Warmer season, at indoor temperature 2°C and outdoor temperature T		Declared coefficient of performance / Warmer season, at indoor temperature 2°C and outdoor temperature T	
Tj=2°C	Pdh	-	kW
Tj=7°C	Pdh	-	kW
Tj=12°C	Pdh	-	kW
Tj=bivalent temperature	Pdh	-	kW
Tj=operating limit	Pdh	-	kW
Declared capacity for heating / Colder season, at indoor temperature 2°C and outdoor temperature T		Declared coefficient of performance / Colder season, at indoor temperature 2°C and outdoor temperature T	
Tj=-7°C	Pdh	-	kW
Tj=2°C	Pdh	-	kW
Tj=7°C	Pdh	-	kW
Tj=12°C	Pdh	-	kW
Tj=bivalent temperature	Pdh	-	kW
Tj=operating limit	Pdh	-	kW
Tj=-15°C	Pdh	-	kW
Bivalent temperature		Operating limit temperature	
heating / Average	Tbiv	-7	°C
heating / Warmer	Tbiv	-	°C
heating / Colder	Tbiv	-	°C
Cycling interval capacity		Cycling interval efficiency	
for cooling	Pcyc	-	kW
for heating	Pcyc	-	kW
Degradation coefficient		Degradation coefficient	
cooling	Cdc	0.25	-
Electric power input in power modes other than 'active mode'		Annual electricity consumption	
off mode	Poff	45	W
standby mode	Psb	45	W
thermostat-off mode	Pto	55	W
crankcase heater mode	Pck	0	W
Capacity control(indicate one of three options)		Other items	
fixed		No	
staged		No	
variable		Yes	
Contact details for obtaining more information		Name and address of the manufacturer or of its authorised representative.	
		Mitsubishi Heavy Industries Air-Conditioning Europe, Ltd. 7 Roundwood Avenue, Stockley Park, Uxbridge, Middlesex, UB11 1AX, United Kingdom	

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Information to identify the model(s) to which the information relates to:				If function includes heating: Indicate the heating season the information relates to. Indicated values should relate to one heating season at a time. Include at least the heating season 'Average'.			
Indoor unit model name		SRK20ZM-Sx5		Average (mandatory)		Yes	
Outdoor unit model name		SCM100ZM-S		Warmer (if designated)		No	
Function (indicate if present)				Colder (if designated)			
cooling		Yes					
heating		Yes					
Item	symbol	value	unit	Item	symbol	value	class
Design load				Seasonal efficiency and energy efficiency class			
cooling	Pdesignc	10.00	kW	cooling	SEER	4.85	B
heating / Average	Pdesignh	10.20	kW	heating / Average	SCOP/A	3.83	A
heating / Warmer	Pdesignh	-	kW	heating / Warmer	SCOP/W	-	-
heating / Colder	Pdesignh	-	kW	heating / Colder	SCOP/C	-	-
Declared capacity at outdoor temperature Tdesignh				Back up heating capacity at outdoor temperature Tdesignh			
heating / Average (-10°C)	Pdh	8.92	kW	heating / Average (-10°C)	elbu	1.28	kW
heating / Warmer (2°C)	Pdh	-	kW	heating / Warmer (2°C)	elbu	-	kW
heating / Colder (-22°C)	Pdh	-	kW	heating / Colder (-22°C)	elbu	-	kW
Declared capacity for cooling, at indoor temperature 27(1)°C and outdoor temperature Tj				Declared energy efficiency ratio, at indoor temperature 27(1)°C and outdoor temperature Tj			
Tj=35°C	Pdc	10.00	kW	Tj=35°C	EERd	3.10	-
Tj=30°C	Pdc	7.37	kW	Tj=30°C	EERd	4.91	-
Tj=25°C	Pdc	6.86	kW	Tj=25°C	EERd	7.14	-
Tj=20°C	Pdc	6.80	kW	Tj=20°C	EERd	8.08	-
Declared capacity for heating / Average season, at indoor temperature 2°C and outdoor temperature T				Declared coefficient of performance / Average season, at indoor temperature 2°C and outdoor temperature T			
Tj=-7°C	Pdh	9.02	kW	Tj=-7°C	COPd	2.35	-
Tj=2°C	Pdh	5.49	kW	Tj=2°C	COPd	3.97	-
Tj=7°C	Pdh	4.61	kW	Tj=7°C	COPd	5.19	-
Tj=12°C	Pdh	5.44	kW	Tj=12°C	COPd	5.39	-
Tj=bivalent temperature	Pdh	9.02	kW	Tj=bivalent temperature	COPd	2.35	-
Tj=operating limit	Pdh	8.75	kW	Tj=operating limit	COPd	2.62	-
Declared capacity for heating / Warmer season, at indoor temperature 2°C and outdoor temperature T				Declared coefficient of performance / Warmer season, at indoor temperature 2°C and outdoor temperature T			
Tj=2°C	Pdh	-	kW	Tj=2°C	COPd	-	-
Tj=7°C	Pdh	-	kW	Tj=7°C	COPd	-	-
Tj=12°C	Pdh	-	kW	Tj=12°C	COPd	-	-
Tj=bivalent temperature	Pdh	-	kW	Tj=bivalent temperature	COPd	-	-
Tj=operating limit	Pdh	-	kW	Tj=operating limit	COPd	-	-
Declared capacity for heating / Colder season, at indoor temperature 2°C and outdoor temperature T				Declared coefficient of performance / Colder season, at indoor temperature 2°C and outdoor temperature T			
Tj=-7°C	Pdh	-	kW	Tj=-7°C	COPd	-	-
Tj=2°C	Pdh	-	kW	Tj=2°C	COPd	-	-
Tj=7°C	Pdh	-	kW	Tj=7°C	COPd	-	-
Tj=12°C	Pdh	-	kW	Tj=12°C	COPd	-	-
Tj=bivalent temperature	Pdh	-	kW	Tj=bivalent temperature	COPd	-	-
Tj=operating limit	Pdh	-	kW	Tj=operating limit	COPd	-	-
Tj=-15°C	Pdh	-	kW	Tj=-15°C	COPd	-	-
Bivalent temperature				Operating limit temperature			
heating / Average	Tbiv	-7	°C	heating / Average	Tol	-15	°C
heating / Warmer	Tbiv	-	°C	heating / Warmer	Tol	-	°C
heating / Colder	Tbiv	-	°C	heating / Colder	Tol	-	°C
Cycling interval capacity				Cycling interval efficiency			
for cooling	Pcyc	-	kW	for cooling	EERcyc	-	-
for heating	Pcyc	-	kW	for heating	COPcyc	-	-
Degradation coefficient cooling				Degradation coefficient heating			
	Cdc	0.25	-		Cdh	0.25	-
Electric power input in power modes other than 'active mode'				Annual electricity consumption			
off mode	Poff	45	W	cooling	Qce	723	kWh/a
standby mode	Psb	45	W	heating / Average	Qhe	3731	kWh/a
thermostat-off mode	Pto	60	W	heating / Warmer	Qhe	-	kWh/a
crankcase heater mode	Pck	0	W	heating / colder	Qhe	-	kWh/a
Capacity control (indicate one of three options)				Other items			
fixed		No		Sound power level (indoor)	Lwa	46	dB(A)
staged		No		Sound power level (outdoor)	Lwa	68	dB(A)
variable		Yes		Global warming potential	GWp	1975	kgCO2eq.
Contact details for obtaining more information				Name and address of the manufacturer or of its authorised representative.			
				Mitsubishi Heavy Industries Air-Conditioning Europe, Ltd. 7 Roundwood Avenue, Stockley Park, Uxbridge, Middlesex, UB11 1AX, United Kingdom			

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Air-Conditioning & Refrigeration Division
16-5, Konan 2-chome, Minato-ku, Tokyo, 108-8215 Japan
<http://www.mhi.co.jp>

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