

**DRAFT**

Manual No.'15•SRK-DB-174D

**MHI**

DATA BOOK

INVERTER WALL MOUNTED TYPE  
RESIDENTIAL AIR-CONDITIONERS  
**(Split system, air to air heat pump type)**

**SRK63ZR-S**

**71ZR-S**

**80ZR-S**

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# 1. SPECIFICATIONS

Item		Model		SRK63ZR-S		
		Indoor unit	SRK63ZR-S	Outdoor unit	SRC63ZR-S	
Power source		1 Phase, 220 - 240V, 50Hz / 220V, 60Hz				
Operation data	Nominal cooling capacity (range)	kW 6.3 ( 1.2 (Min.) - 7.1 (Max.))				
	Nominal heating capacity (range)	kW 7.1 ( 0.8 (Min.) - 9.0 (Max.))				
	Heating capacity (H2)	kW -				
	Power consumption	Cooling	kW 1.85 ( 0.2 - 2.5 )			
		Heating	kW 1.74 ( 0.2 - 2.8 )			
		Heating (H2)	-			
	Max power consumption	kW 2.9				
	Running current	Cooling	A 8.5 / 8.1 / 7.8 (220/ 230/ 240 V)			
		Heating	A 8.0 / 7.6 / 7.3 (220/ 230/ 240 V)			
	Inrush current, max current	A 8.5 / 8.1 / 7.8 (220/ 230/ 240 V) Max. 14.5				
	Power factor	Cooling	%			
		Heating	%			
	EER	Cooling	3.41			
	COP	Heating	4.08			
Heating (H2)		-				
Sound power level	Cooling	dB(A) 58		67		
	Heating	dB(A) 58		66		
Sound pressure level	Cooling	dB(A) Hi: 44 Me: 39 Lo: 35 ULo: 25		54		
	Heating	dB(A) Hi: 44 Me: 38 Lo: 34 ULo: 28		54		
Silent mode sound pressure level	-		Cooling:45 / Heating:45			
Exterior dimensions (Height x Width x Depth)	mm	339 x 1197 x 262		640 x 800(+71) x 290		
Exterior appearance ( Munsell color )	Fine snow ( 8.0Y 9.3/0.1 ) near equivalent		Stucco white ( 4.2Y 7.5/1.1 ) near equivalent			
Net weight	kg	15.5		47.5		
Compressor type & Q'ty	-		RMT5113MCE2 ( Twin Rotary type ) x 1			
Compressor motor (Starting method)	kW	-		1.40 ( Inverter driven )		
Refrigerant oil (amount, type)	ℓ	-		0.45 ( DIAMOND FREEZE MA68 )		
Refrigerant (Type, amount, pre-charge length)	kg	R410A 1.55 in outdoor unit (incl. the amount for the piping of 15m )				
Heat exchanger	Louver fins & inner grooved tubing		M fins & inner grooved tubing			
Refrigerant control	Capillary tubes + Electronic expansion valve					
Fan type & Q'ty	Tangential fan x 1		Propeller fan x 1			
Fan motor (starting method)	W	56 x1 (Direct drive)		34 x1 (Direct drive)		
Air flow	Cooling	m³/min Hi: 20.5 Me: 18.1 Lo: 15.7 ULo: 10.4		41.5		
	Heating	m³/min Hi: 23.5 Me: 19.0 Lo: 16.5 ULo: 13.1		41.5		
Available external static pressure	Pa	0		0		
Outside air intake	Not possible		-			
Air filter, Quality / Quantity	Polypropylene net ( washable ) x 2		-			
Shock & vibration absorber	Rubber sleeve (for fan motor)		Rubber sleeve (for fan motor & compressor)			
Electric heater	-					
Operation control	Remote control	Wireless-Remote control				
	Room temperature control	Microcomputer thermostat				
	Operation display	RUN: Green , TIMER: Yellow , HI POWER: Green ,3D AUTO: Green				
Safety equipments	Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Indoor fan motor error protection, Heating overload protection( High pressure control ), Cooling overload protection					
Installation data	Refrigerant piping size ( O.D )	mm	Liquid line: $\phi$ 6.35 ( 1/4" )		Gas line: $\phi$ 12.7 ( 1/2" )	
	Connecting method	Flare connection		Flare connection		
	Attached length of piping	m	Liquid line : 0.78 / Gas line : 0.71		-	
	Insulation for piping	Necessary ( Both sides ), independent				
	Refrigerant line (one way) length	m	Max.30			
	Vertical height diff. between O.U. and I.U.	m	Max.20 ( Outdoor unit is higher ) / Max.20 ( Outdoor unit is lower )			
Drain hose	Hose connectable ( VP 16 )		Holes $\phi$ 20 x 5 pcs			
Drain pump, max lift height	mm	-		-		
Recommended breaker size	A	16				
L.R.A. (Locked rotor ampere)	A	8.5 / 8.1 / 7.8 (220/ 230/ 240 V)				
Interconnecting wires	Size x Core number	1.5mm2 x 4 cores ( Including earth cable ) / Terminal block ( Screw fixing type )				
IP number	IPX0		IPX4			
Standard accessories	Mounting kit, Clean filter ( Allergen clear filter x 1, Photocatalytic washable deodorizing filter x 1 )					
Optional parts	Interface kit ( SC-BIKN-E )					
Note (1) The data are measured at the following conditions.		The pipe length is 5m.				
operation	item	Indoor air temperature		Outdoor air temperature		Standards
		DB	WB	DB	WB	
	Cooling	27°C	19°C	35°C	24°C	ISO5151-T1
	Heating	20°C	-	7°C	6°C	ISO5151-H1
Heating (H2)	20°C	-	2°C	1°C	ISO5151-H2	
(2) This air-conditioner is manufactured and tested in conformity with the ISO.						
(3) Sound level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient conditions.						
(4) Select the breaker size according to the own national standard.						

Item		Model		SRK71ZR-S		
		Indoor unit	SRK71ZR-S	Outdoor unit	SRC71ZR-S	
Power source		1 Phase, 220 - 240V, 50Hz / 220V, 60Hz				
Operation data	Nominal cooling capacity (range)	kW		7.1 ( 2.3 (Min.) - 7.7 (Max.))		
	Nominal heating capacity (range)	kW		8.0 ( 2.0 (Min.) - 10.0 (Max.))		
	Heating capacity (H2)	kW		-		
	Power consumption	Cooling	kW		2.05 ( 0.5 - 2.7 )	
			kW		2.06 ( 0.4 - 3.4 )	
		Heating (H2)	kW		-	
	Max power consumption	kW		3.65		
	Running current	Cooling	A		9.5 / 9.1 / 8.7 (220/ 230/ 240 V)	
		Heating	A		9.6 / 9.1 / 8.8 (220/ 230/ 240 V)	
	Inrush current, max current	A		9.6 / 9.1 / 8.8 (220/ 230/ 240 V) Max. 17		
	Power factor	Cooling	%		98	
		Heating	%		98	
	EER	Cooling			3.46	
	COP	Heating			3.88	
		Heating (H2)			-	
Sound power level	Cooling	dB(A)		58		
	Heating	dB(A)		60		
Sound pressure level	Cooling	dB(A)		Hi: 44 Me: 41 Lo: 37 ULo: 25		
	Heating	dB(A)		Hi: 46 Me: 39 Lo: 35 ULo: 28		
Silent mode sound pressure level	dB(A)		-		Cooling:45 / Heating:41	
Exterior dimensions (Height x Width x Depth)	mm		339 x 1197 x 262		750 x 880(+88) x 340	
Exterior appearance (Munsell color)			Fine snow ( 8.0Y 9.3/0.1 ) near equivalent		Stucco white ( 4.2Y 7.5/1.1 ) near equivalent	
Net weight	kg		15.5		57	
Compressor type & Q'ty			-		RMT5118MDE2 ( Twin Rotary type ) x 1	
Compressor motor (Starting method)	kW		-		1.40 ( Inverter driven )	
Refrigerant oil (amount, type)	ℓ		-		0.675 ( DIAMOND FREEZE MA68 )	
Refrigerant (Type, amount, pre-charge length)	kg		R410A 1.8 in outdoor unit (incl. the amount for the piping of 15m )			
Heat exchanger			Louver fins & inner grooved tubing		M fins & inner grooved tubing	
Refrigerant control			Capillary tubes + Electronic expansion valve			
Fan type & Q'ty			Tangential fan x 1		Propeller fan x 1	
Fan motor (starting method)	W		56 x1 (Direct drive)		86 x1 (Direct drive)	
Air flow	Cooling	m³/min		Hi: 20.5 Me: 18.6 Lo: 16.2 ULo: 10.4		
	Heating	m³/min		Hi: 25.5 Me: 19.8 Lo: 17.3 ULo: 13.3		
Available external static pressure	Pa		0		0	
Outside air intake			Not possible		-	
Air filter, Quality / Quantity			Polypropylene net ( washable ) x 2		-	
Shock & vibration absorber			Rubber sleeve (for fan motor)		Rubber sleeve (for fan motor & compressor)	
Electric heater			-		-	
Operation control	Remote control	Wireless-Remote control				
	Room temperature control	Microcomputer thermostat				
	Operation display	RUN: Green , TIMER: Yellow , HI POWER: Green ,3D AUTO: Green				
Safety equipments	Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Indoor fan motor error protection, Heating overload protection( High pressure control ), Cooling overload protection					
Installation data	Refrigerant piping size ( O.D )	mm		Liquid line: φ6.35 ( 1/4" ) Gas line: φ15.88 ( 5/8" )		
	Connecting method			Flare connection		
	Attached length of piping	m		Liquid line : 0.78 / Gas line : 0.72		
	Insulation for piping			Necessary ( Both sides ), independent		
	Refrigerant line (one way) length	m		Max.30		
	Vertical height diff. between O.U. and I.U.	m		Max.20 ( Outdoor unit is higher ) / Max.20 ( Outdoor unit is lower )		
Drain hose			Hose connectable ( VP 16 )		Holes φ20 x 3 pcs	
Drain pump, max lift height	mm		-		-	
Recommended breaker size	A		20			
L.R.A. (Locked rotor ampere)	A		9.6 / 9.1 / 8.8 (220/ 230/ 240 V)			
Interconnecting wires	Size x Core number		1.5mm2 x 4 cores ( Including earth cable ) / Terminal block ( Screw fixing type )			
IP number			IPX0		IPX4	
Standard accessories	Mounting kit, Clean filter ( Allergen clear filter x 1, Photocatalytic washable deodorizing filter x 1 )					
Optional parts	Interface kit ( SC-BIKN-E )					
Note (1) The data are measured at the following conditions. The pipe length is 5m.						
operation	item	Indoor air temperature		Outdoor air temperature		Standards
		DB	WB	DB	WB	
	Cooling	27°C	19°C	35°C	24°C	ISO5151-T1
	Heating	20°C	-	7°C	6°C	ISO5151-H1
Heating (H2)	20°C	-	2°C	1°C	ISO5151-H2	
(2) This air-conditioner is manufactured and tested in conformity with the ISO.						
(3) Sound level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient conditions.						
(4) Select the breaker size according to the own national standard.						

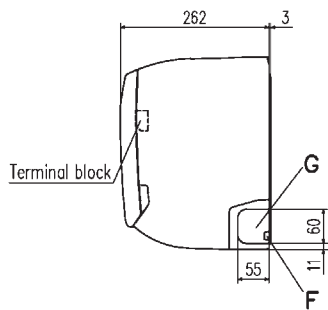
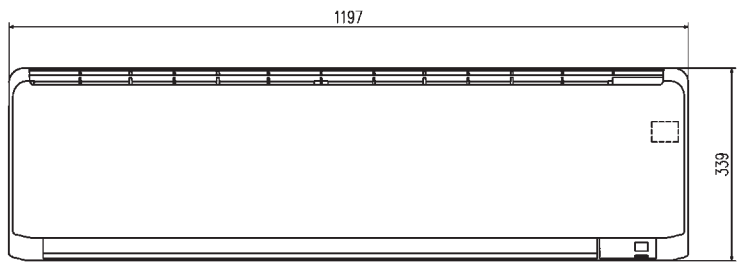
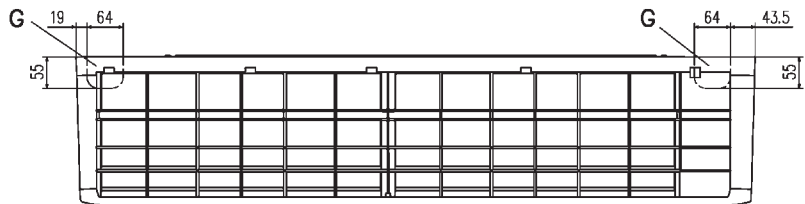
Item		Model		SRK80ZR-S		
		Indoor unit	SRK80ZR-S	Outdoor unit	SRC80ZR-S	
Power source		1 Phase, 220 - 240V, 50Hz / 220V, 60Hz				
Operation data	Nominal cooling capacity (range)	kW 8.0 ( 2.3 (Min.) - 9.0 (Max.))				
	Nominal heating capacity (range)	kW 9.0 ( 2.1 (Min.) - 10.5 (Max.))				
	Heating capacity (H2)	kW -				
	Power consumption	Cooling	kW 2.35 ( 0.5 - 3.2 )			
		Heating	kW 2.40 ( 0.4 - 3.5 )			
		Heating (H2)	-			
	Max power consumption	kW 3.65				
	Running current	Cooling	A 10.9 / 10.4 / 10.0 (220/ 230/ 240 V)			
		Heating	A 11.1 / 10.6 / 10.2 (220/ 230/ 240 V)			
	Inrush current, max current	A 11.1 / 10.6 / 10.2 (220/ 230/ 240 V) Max. 17				
	Power factor	Cooling	%			
		Heating	98			
	EER	Cooling	3.40			
	COP	Heating	3.75			
		Heating (H2)	-			
Sound power level	Cooling	dB(A) 62		68		
	Heating	62		67		
Sound pressure level	Cooling	Hi: 47 Me: 44 Lo: 39 ULo: 26		56		
	Heating	Hi: 47 Me: 41 Lo: 36 ULo: 29		55		
Silent mode sound pressure level	-		Cooling:47 / Heating:42			
Exterior dimensions (Height x Width x Depth)	mm	339 x 1197 x 262		750 x 880(+88) x 340		
Exterior appearance ( Munsell color )			Fine snow ( 8.0Y 9.3/0.1 ) near equivalent		Stucco white ( 4.2Y 7.5/1.1 ) near equivalent	
Net weight	kg	16.5		58.5		
Compressor type & Q'ty			-		RMT5118MDE2 ( Twin Rotary type ) x 1	
Compressor motor (Starting method)	kW	-		1.40 ( Inverter driven )		
Refrigerant oil (amount, type)	ℓ	-		0.675 ( DIAMOND FREEZE MA68 )		
Refrigerant (Type, amount, pre-charge length)	kg	R410A 1.9 in outdoor unit (incl. the amount for the piping of 15m )				
Heat exchanger			Louver fins & inner grooved tubing	M fins & inner grooved tubing		
Refrigerant control	Capillary tubes + Electronic expansion valve					
Fan type & Q'ty			Tangential fan x 1	Propeller fan x 1		
Fan motor (starting method)	W	56 x1 (Direct drive)		86 x1 (Direct drive)		
Air flow	Cooling	m³/min Hi: 23.5 Me: 20.2 Lo: 17.5 ULo: 10.4			63	
	Heating	Hi: 26.5 Me: 21.3 Lo: 18.4 ULo: 13.5			49.5	
Available external static pressure	Pa	0		0		
Outside air intake			Not possible		-	
Air filter, Quality / Quantity			Polypropylene net ( washable ) x 2		-	
Shock & vibration absorber			Rubber sleeve (for fan motor)	Rubber sleeve (for fan motor & compressor)		
Electric heater			-		-	
Operation control	Remote control	Wireless-Remote control				
	Room temperature control	Microcomputer thermostat				
	Operation display	RUN: Green , TIMER: Yellow , HI POWER: Green ,3D AUTO: Green				
Safety equipments	Compressor overheat protection, Overcurrent protection, Frost protection, Serial signal error protection, Indoor fan motor error protection, Heating overload protection( High pressure control ), Cooling overload protection					
Installation data	Refrigerant piping size ( O.D )	mm	Liquid line: φ6.35 ( 1/4" ) Gas line: φ15.88 ( 5/8" )			
	Connecting method	Flare connection		Flare connection		
	Attached length of piping	m	Liquid line : 0.78 / Gas line : 0.72		-	
	Insulation for piping	Necessary ( Both sides ), independent				
	Refrigerant line (one way) length	m	Max.30			
	Vertical height diff. between O.U. and I.U.	m	Max.20 ( Outdoor unit is higher ) / Max.20 ( Outdoor unit is lower )			
Drain hose			Hose connectable ( VP 16 )		Holes φ20 x 3 pcs	
Drain pump, max lift height	mm	-		-		
Recommended breaker size	A	20				
L.R.A. (Locked rotor ampere)	A	11.1 / 10.6 / 10.2 (220/ 230/ 240 V)				
Interconnecting wires	Size x Core number	1.5mm2 x 4 cores ( Including earth cable ) / Terminal block ( Screw fixing type )				
IP number			IPX0	IPX4		
Standard accessories	Mounting kit, Clean filter ( Allergen clear filter x 1, Photocatalytic washable deodorizing filter x 1 )					
Optional parts	Interface kit ( SC-BIKN-E )					
Note (1) The data are measured at the following conditions.		The pipe length is 5m.				
operation	item	Indoor air temperature		Outdoor air temperature		Standards
		DB	WB	DB	WB	
	Cooling	27°C	19°C	35°C	24°C	ISO5151-T1
	Heating	20°C	-	7°C	6°C	ISO5151-H1
Heating (H2)	20°C	-	2°C	1°C	ISO5151-H2	
(2) This air-conditioner is manufactured and tested in conformity with the ISO.						
(3) Sound level indicates the value in an anechoic chamber. During operation these value are somewhat higher due to ambient conditions.						
(4) Select the breaker size according to the own national standard.						

## 2. EXTERIOR DIMENSIONS

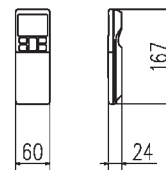
(1) Indoor units

Models SRK63ZR-S, 71ZR-S, 80ZR-S

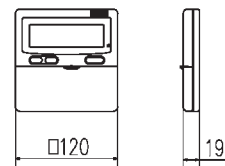
Symbol	Content		
A	Gas piping	SRK 63	φ12.7 (1/2") (Flare)
		SRK 71,80	φ15.88 (5/8") (Flare)
B	Liquid piping	SRK 63,71,80	φ6.35 (1/4") (Flare)
C	Hole on wall for right rear piping	(<φ65)	
D	Hole on wall for left rear piping	(<φ65)	
E	Drain hose	VP16	
F	Outlet for wiring (on both side)		
G	Outlet for piping (on both side)		



Wireless remote controller

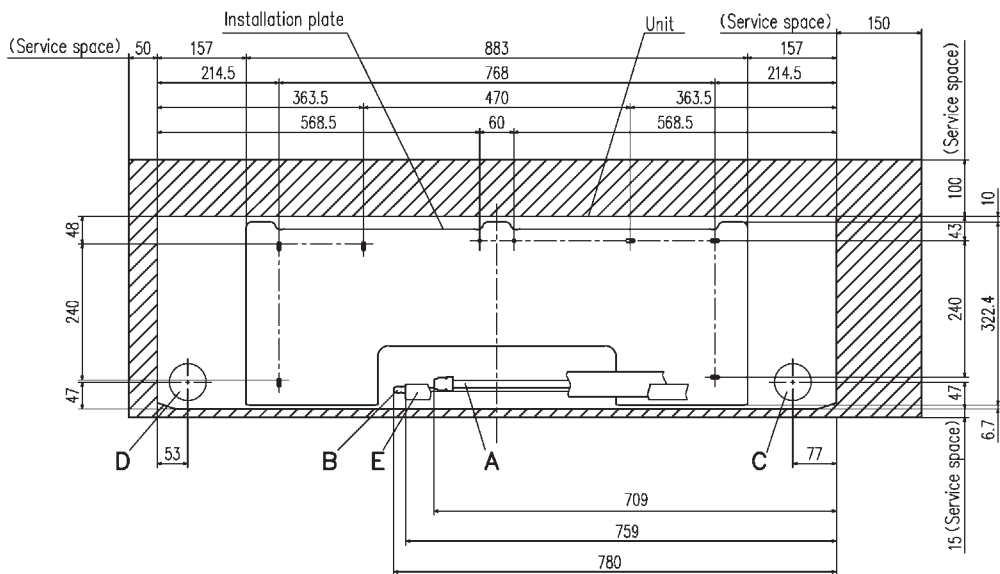


Wired Remote controller (Option)



Note (1) The model name label is attached on the underside of the indoor unit.

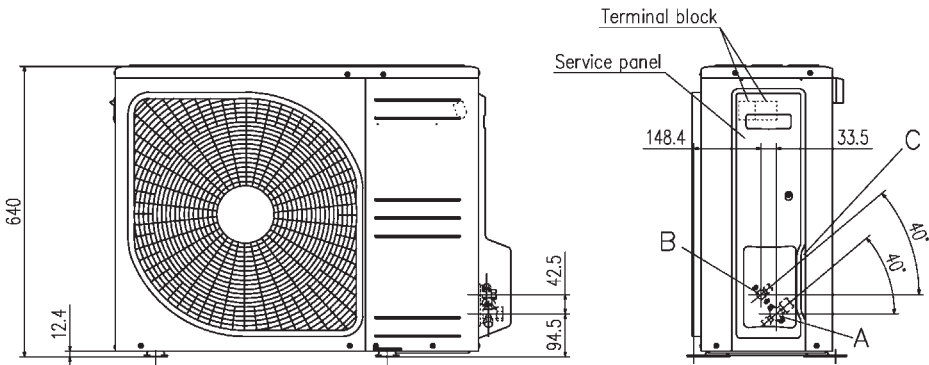
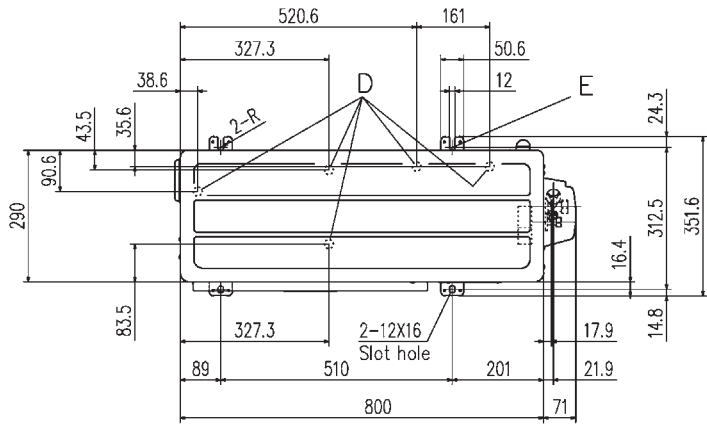
Unit: mm



Space for installation and service when viewing from the front

RLD0000Z002

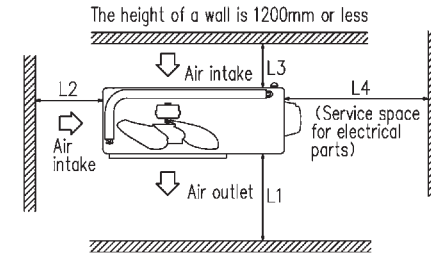
RCT000Z016



Symbol	Content	
A	Service valve connection (gas side)	φ12.7 (1/2") (Flare)
B	Service valve connection (liquid side)	φ6.35 (1/4") (Flare)
C	Pipe/cable draw-out hole	
D	Drain discharge hole	φ20×5 places
E	Anchor bolt hole	M10×4 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 face is perpendicular to the dominant wind direction.
- (4) Leave 1m or more space above the unit.
- (5) A wall in front of the blower outlet must not exceed the unit's height.
- (6) The model name label is attached on the service panel.



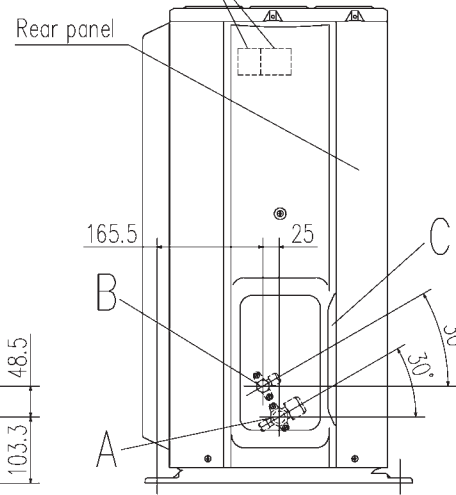
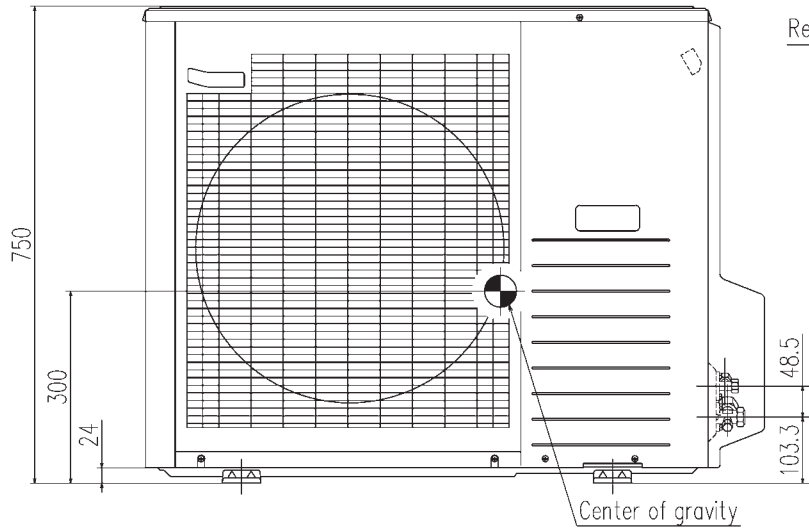
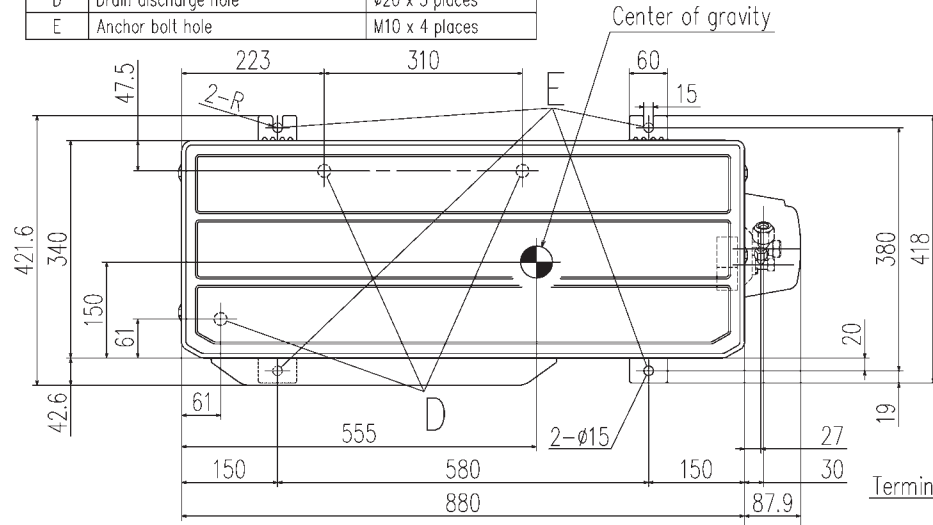
Minimum installation space

Examples of installation Dimensions	The height of a wall is 1200mm or less			
	I	II	III	IV
L1	Open	280	280	180
L2	100	75	Open	Open
L3	100	80	80	80
L4	250	Open	250	Open

Unit: mm

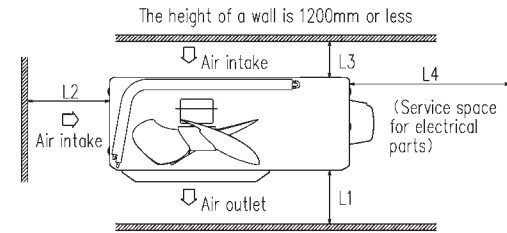
(2) Outdoor units  
Model SRC63ZR-S

Symbol	Content	
A	Service valve connection (gas side)	ø15.88 (5/8") (Flare)
B	Service valve connection (liquid side)	ø6.35 (1/4") (Flare)
C	Pipe/cable draw-out hole	
D	Drain discharge hole	ø20 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 face is perpendicular to the dominant wind direction.
- (4) Leave 1m or more space above the unit.
- (5) A wall in front of the blower outlet must not exceed the unit's height.
- (6) The model name label is attached on the rear panel.



Minimum installation space

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

Unit: mm

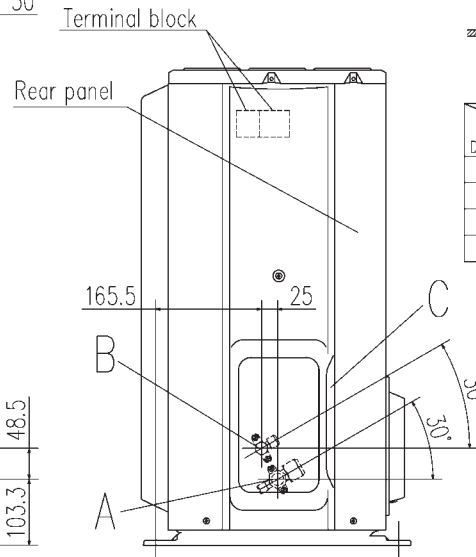
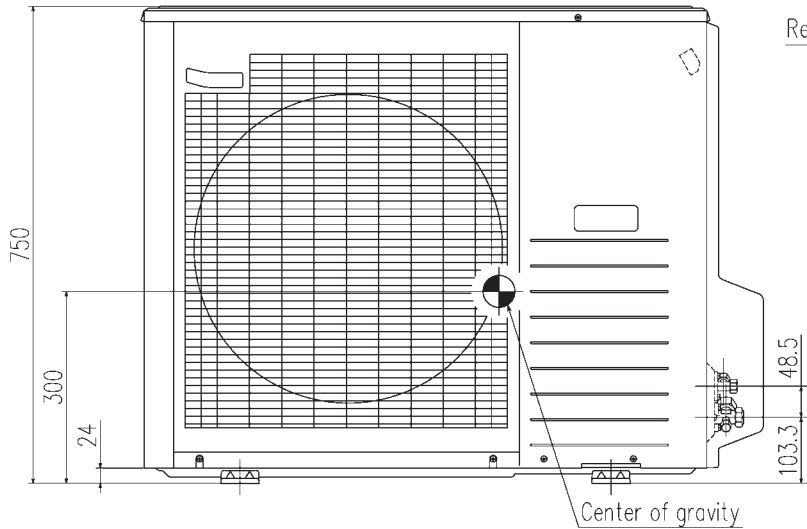
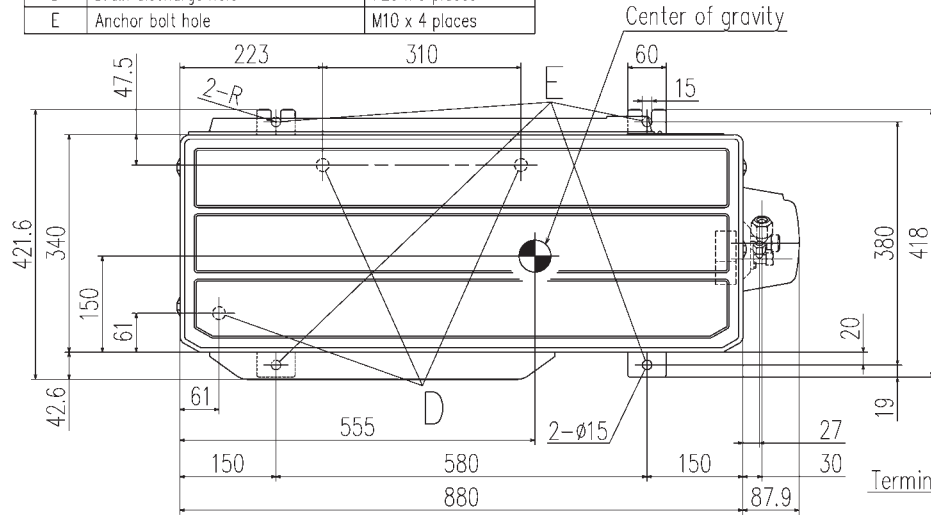
Model SRC71ZR-S

RCR000Z024



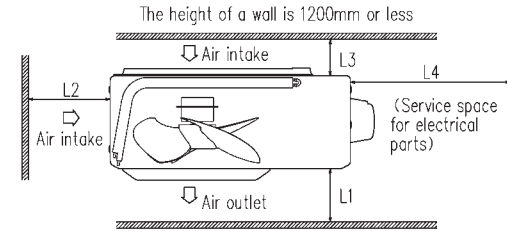
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Symbol	Content	
A	Service valve connection (gas side)	φ15.88 (5/8") (Flare)
B	Service valve connection (liquid side)	φ6.35 (1/4") (Flare)
C	Pipe/cable draw-out hole	
D	Drain discharge hole	φ20 x 3 places
E	Anchor bolt hole	M10 x 4 places



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 face is perpendicular to the dominant wind direction.
- (4) Leave 1m or more space above the unit.
- (5) A wall in front of the blower outlet must not exceed the unit's height.
- (6) The model name label is attached on the rear panel.



Minimum installation space

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

Unit: mm

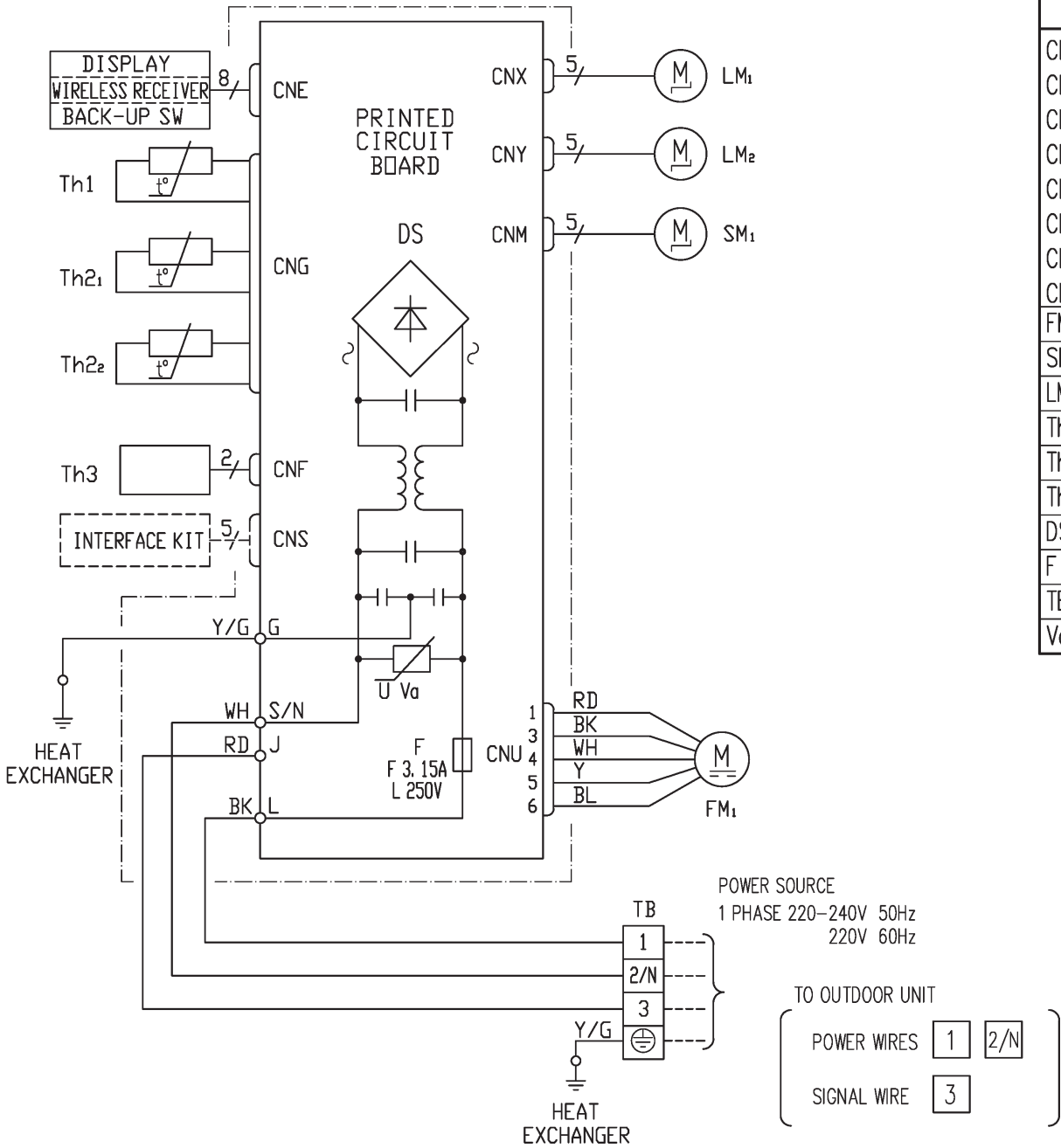
Model SRC80ZR-S

### 3. ELECTRICAL WIRING

(1) Indoor units  
Models SRK63ZR-S, 71ZR-S, 80ZR-S

Item	Description
CNE	Connector
CNF	
CNG	
CNM	
CNS	
CNU	
CNX	
CNY	
FM <sub>1</sub>	Fan motor
SM <sub>1</sub>	Flap motor
LM <sub>1,2</sub>	Louver motor
Th <sub>1</sub>	Room temp. sensor
Th <sub>2,2</sub>	Heat exch. sensor
Th <sub>3</sub>	Humidity sensor
DS	Diode stack
F	Fuse
TB	Terminal block
Va	Varistor

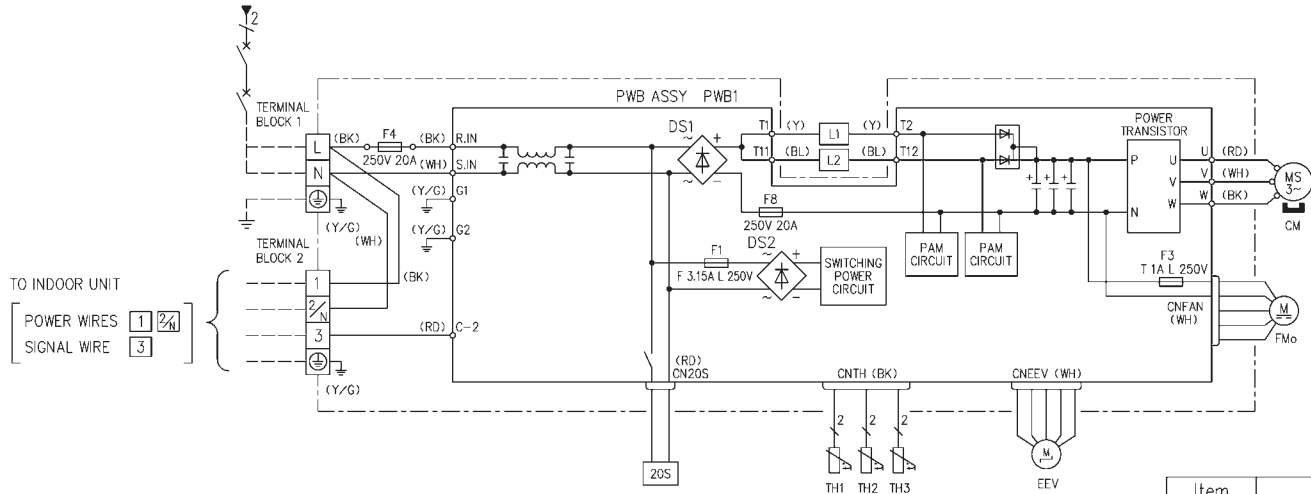
Color Marks	
Mark	Color
BK	Black
BL	Blue
RD	Red
WH	White
Y	Yellow
Y/G	Yellow/Green



(2) Outdoor units  
Models SRC63ZR-S, 71ZR-S, 80ZR-S

POWER SOURCE

1 Phase 220-240V 50Hz 220V 60Hz	SRC63ZR-S, SRC71ZR-S, SRC80ZR-S
1 Phase 220-240V 50Hz	SRC63ZR-S4, SRC71ZR-S4, SRC80ZR-S4, SRC63ZR-S5, SRC71ZR-S5,
1 Phase 220V 50Hz	SRC63ZRH-S, SRC71ZRH-S



Power cable, indoor-outdoor connecting wires

MODEL NAME	MAX running current (A)	Power cable size (mm <sup>2</sup> )	Power cable length (m)	indoor-outdoor wire size x number	Earth wire size (mm <sup>2</sup> )
SRC63ZR-S SRC63ZR-SS SRC63ZR-S4 SRC63ZR-S5 SRC63ZRH-S	14.5	2.0	14	1.5mm <sup>2</sup> x 4	2.5
SRC71ZR-S SRC71ZR-SS SRC71ZR-S4 SRC71ZR-S5 SRC71ZRH-S	17.0	2.5	15		
SRC80ZR-S SRC80ZR-S4	17.0	2.5	15		

Mark	Color
BK	Black
BL	Blue
RD	Red
WH	White
Y	Yellow
Y/G	Yellow /Green

Item	Description
20S	Solenoid coil for 4 way valve
CN20S	Connector
CNEEV	
CNFAN	
CNTH	
CM	Compressor motor
DS1,2	Diode stack
EEV	Electric expansion valve (coil)
FMo	Fan motor
L1,2	Reactor
TH1	Heat exchanger sensor
TH2	Outdoor air temp. sensor
TH3	Discharge pipe temp. sensor

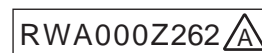
- The specifications shown in the above table are for units without heaters. For units with heaters, refer to the installation instructions or the construction instructions of the indoor unit.
- Switchgear of Circuit breaker capacity which is calculated from MAX. over current should be chosen along the regulations in each country.
- The cable specifications are based on the assumption that a metal or plastic conduit is used with no more than three cables contained in a conduit and a voltage drop is 2%. For an installation falling outside of these conditions, please follow the internal cabling regulations. Adapt it to the regulation in effect in each country.

RCR0002030

## 4. TECHNICAL INFORMATION

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		SRK63ZR-S		Average (mandatory)		Yes	
Outdoor unit model name		SRC63ZR-S		Warmer (if designated)		Yes	
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 6.30 kW		cooling		SEER 7.60 A++	
heating / Average		Pdesignh 5.40 kW		heating / Average		SCOP/A 4.70 A++	
heating / Warmer		Pdesignh 6.50 kW		heating / Warmer		SCOP/W 6.00 A+++	
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 5.40 kW		heating / Average (-10°C)		elbu 0 kW	
heating / Warmer (2°C)		Pdh 6.50 kW		heating / Warmer (2°C)		elbu 0 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 6.30 kW		Tj=35°C		EERd 3.41 -	
Tj=30°C		Pdc 4.64 kW		Tj=30°C		EERd 5.20 -	
Tj=25°C		Pdc 2.98 kW		Tj=25°C		EERd 9.20 -	
Tj=20°C		Pdc 1.50 kW		Tj=20°C		EERd 17.40 -	
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 4.78 kW		Tj=-7°C		COPd 2.90 -	
Tj=2°C		Pdh 2.91 kW		Tj=2°C		COPd 4.75 -	
Tj=7°C		Pdh 1.87 kW		Tj=7°C		COPd 6.00 -	
Tj=12°C		Pdh 1.05 kW		Tj=12°C		COPd 6.50 -	
Tj=bivalent temperature		Pdh 5.40 kW		Tj=bivalent temperature		COPd 2.60 -	
Tj=operating limit		Pdh 5.03 kW		Tj=operating limit		COPd 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 6.50 kW		Tj=2°C		COPd 2.80 -	
Tj=7°C		Pdh 4.18 kW		Tj=7°C		COPd 5.57 -	
Tj=12°C		Pdh 1.86 kW		Tj=12°C		COPd 7.30 -	
Tj=bivalent temperature		Pdh 6.50 kW		Tj=bivalent temperature		COPd 2.80 -	
Tj=operating limit		Pdh 5.03 kW		Tj=operating limit		COPd 2.50 -	
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 -10 °C		heating / Average		Tol -15 °C	
heating / Warmer		Tbiv 2 °C		heating / Warmer		Tol -15 °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 5 W		cooling		Qce 291 kWh/a	
standby mode		Psb 5 W		heating / Average		Qhe 1610 kWh/a	
thermostat-off mode		Pto 16 W		heating / Warmer		Qhe 1517 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 67 dB(A)	
variable		Yes		Global warming potential		GWP 1975 kgCO2eq.	
				Rated air flow (indoor)		- 1230 m3/h	
				Rated air flow (outdoor)		- 2490 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					

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		SRK71ZR-S		Average(mandatory)		Yes	
Outdoor unit model name		SRC71ZR-S		Warmer(if designated)		Yes	
Function(indicate if present)				Colder(if designated)			
cooling		Yes		Warmer(if designated)		Yes	
heating		Yes		Colder(if designated)		No	
Item				Item			
		symbol value unit				symbol value class	
Design load				Seasonal efficiency and energy efficiency class			
cooling		Pdesignc 7.10 kW		cooling		SEER 7.20 A++	
heating / Average		Pdesignh 6.60 kW		heating / Average		SCOP/A 4.50 A+	
heating / Warmer		Pdesignh 8.30 kW		heating / Warmer		SCOP/W 5.70 A+++	
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 6.60 kW		heating / Average (-10°C)		elbu 0 kW	
heating / Warmer (2°C)		Pdh 8.30 kW		heating / Warmer (2°C)		elbu 0 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 7.10 kW		Tj=35°C		EERd 3.46 -	
Tj=30°C		Pdc 5.23 kW		Tj=30°C		EERd 5.35 -	
Tj=25°C		Pdc 3.36 kW		Tj=25°C		EERd 9.20 -	
Tj=20°C		Pdc 3.20 kW		Tj=20°C		EERd 13.00 -	
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 5.84 kW		Tj=-7°C		COPd 2.75 -	
Tj=2°C		Pdh 3.55 kW		Tj=2°C		COPd 4.50 -	
Tj=7°C		Pdh 2.28 kW		Tj=7°C		COPd 5.90 -	
Tj=12°C		Pdh 2.65 kW		Tj=12°C		COPd 7.30 -	
Tj=bivalent temperature		Pdh 6.60 kW		Tj=bivalent temperature		COPd 2.20 -	
Tj=operating limit		Pdh 6.46 kW		Tj=operating limit		COPd 2.15 -	
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 8.30 kW		Tj=2°C		COPd 2.62 -	
Tj=7°C		Pdh 5.34 kW		Tj=7°C		COPd 5.15 -	
Tj=12°C		Pdh 2.65 kW		Tj=12°C		COPd 7.30 -	
Tj=bivalent temperature		Pdh 8.30 kW		Tj=bivalent temperature		COPd 2.62 -	
Tj=operating limit		Pdh 6.46 kW		Tj=operating limit		COPd 2.15 -	
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 -10 °C		heating / Average		Tol -15 °C	
heating / Warmer		Tbiv 2 °C		heating / Warmer		Tol -15 °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 5 W		cooling		Qce 346 kWh/a	
standby mode		Psb 5 W		heating / Average		Qhe 2055 kWh/a	
thermostat-off mode		Pto 16 W		heating / Warmer		Qhe 2039 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 65 dB(A)	
variable		Yes		Global warming potential		GWP 1975 kgCO2eq.	
				Rated air flow(indoor)		- 1230 m3/h	
				Rated air flow(outdoor)		- 3300 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					



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		SRK80ZR-S		Average(mandatory)		Yes			
Outdoor unit model name		SRC80ZR-S		Warmer(if designated)		Yes			
Function(indicate if present)				Colder(if designated)				No	
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 6.60 A++			
heating / Average		Pdesignh 7.10 kW		heating / Average		SCOP/A 4.40 A+			
heating / Warmer		Pdesignh 8.40 kW		heating / Warmer		SCOP/W 5.70 A+++			
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 7.10 kW		heating / Average (-10°C)		elbu 0 kW			
heating / Warmer (2°C)		Pdh 8.40 kW		heating / Warmer (2°C)		elbu 0 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 3.40 -			
Tj=30°C		Pdc 5.89 kW		Tj=30°C		EERd 5.10 -			
Tj=25°C		Pdc 3.79 kW		Tj=25°C		EERd 7.90 -			
Tj=20°C		Pdc 3.20 kW		Tj=20°C		EERd 11.50 -			
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 6.28 kW		Tj=-7°C		COPd 2.65 -			
Tj=2°C		Pdh 3.82 kW		Tj=2°C		COPd 4.35 -			
Tj=7°C		Pdh 2.46 kW		Tj=7°C		COPd 5.90 -			
Tj=12°C		Pdh 2.65 kW		Tj=12°C		COPd 7.20 -			
Tj=bivalent temperature		Pdh 7.10 kW		Tj=bivalent temperature		COPd 2.30 -			
Tj=operating limit		Pdh 6.48 kW		Tj=operating limit		COPd 2.15 -			
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 8.40 kW		Tj=2°C		COPd 2.63 -			
Tj=7°C		Pdh 5.40 kW		Tj=7°C		COPd 5.20 -			
Tj=12°C		Pdh 2.65 kW		Tj=12°C		COPd 7.20 -			
Tj=bivalent temperature		Pdh 8.40 kW		Tj=bivalent temperature		COPd 2.63 -			
Tj=operating limit		Pdh 6.48 kW		Tj=operating limit		COPd 2.15 -			
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 -10 °C		heating / Average		Tol -15 °C			
heating / Warmer		Tbiv 2 °C		heating / Warmer		Tol -15 °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 5 W		cooling		Qce 425 kWh/a			
standby mode		Psb 5 W		heating / Average		Qhe 2261 kWh/a			
thermostat-off mode		Pto 16 W		heating / Warmer		Qhe 2064 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 62 dB(A)			
staged		No		Sound power level(outdoor)		Lwa 68 dB(A)			
variable		Yes		Global warming potential		GWP 1975 kgCO2eq.			
				Rated air flow(indoor)		- 1410 m3/h			
				Rated air flow(outdoor)		- 3780 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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## **INVERTER WALL MOUNTED TYPE RESIDENTIAL AIR-CONDITIONERS**

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Air-Conditioning & Refrigeration Systems

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