3. WALL MOUNTED TYPE ROOM AIR-CONDITIONER

(Split system, Air cooled cooling only type

3.1	SRK20CD-S	SRK20CC-S	
	SRK28CD-S	SRK28CC-S	
	SRK40CD-S	SRK40CC-S	266
3.2	SRK50CE-S		
	SRK56CE-S		280
3.3	SRK63CE-S		
	SRK71CE-S		289

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3.1.1 GENERAL INFORMATION

(1) Specific features

The "Mitsubishi Daiya" room air-conditioner: SRK series are of split and wall mounted type and the unit consists of indoor unit and outdoor unit with refrigerant precharged in factory. The indoor unit is composed of room air cooling equipment with operation control switch and the outdoor unit is composed of condensing unit with compressor.

(a) Remote control flap

The flap can be automatically controlled by operating wireless remote controller.

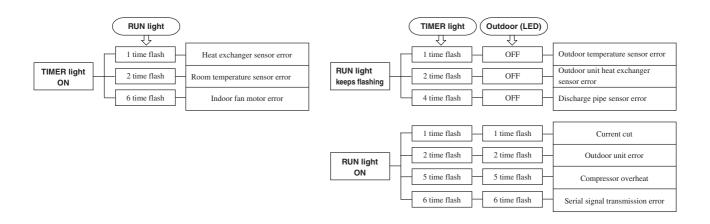
- Air scroll: Flap operation is automatically control.
- Swing: This will swing the flap up and down.
- Memory flap: Once the flap position is set, the unit memorizes the position and continues to operate at the same position from the next time.

(b) Automatic Operation

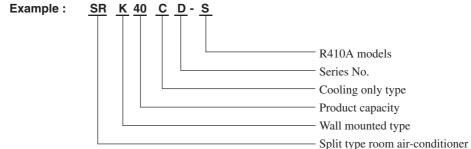
When the remote control switch is set on "auto((a))", it will either automatically decide operation mode such as cooling and thermal dry, or operate in the operation mode before it has been turned to automatic control.

(c) Self diagnosis function

 We are constantly trying to do better service to our customers by installing such judges that show abnormality of operation as follows.



(2) How to read the model name



Item				Model	SRK20CC-S	SRC20CC-S			
Cooli	ng capacity ⁽¹⁾			W	205	0			
Powe	r source				1 Phase, 220-	240V, 50Hz			
£	Cooling inpu	ıt		kW					
ata	Running cur	rent (Cool	ing)	Α	3.1/3.0	/2.9			
ğ	Inrush curre			Α	18.	9			
ţi	СОР				Cooling	: 3.21			
era			sound level		38	48			
Operation data ⁽¹⁾	Noise level	Cooling	Power level	dB	52	60			
Exter	ior dimensions	S			-				
Hei	$ght \times Width \times I$	Depth		mm	250 × 815 × 247	$540 \times 720 \times 290$			
Color					Cool white	Stucco white			
Net w	eiaht			kg	9.0	32			
	erant equipm	ent				DIA DECETIANEA (D			
	npressor type				-	RM-B5077MNE4 (Rotary type) × 1			
	Motor			kW	_	0.65			
	Starting met	hod			_	Line starting			
Hea	t exchanger				Louver fins & inner grooved tubing	Straight fins & inner grooved tubing			
Refrigerant control					Capillary tubes + Elect				
Refrigerant ⁽³⁾				kg		to the piping length of 15m)			
Refrigerant oil				l l	0.35 (M				
Deice control				Ł	MC co	•			
Air handling equipment					MC CO	Fan			
	type & Q'ty				Tangential fan × 1	Propeller fan × 1			
type	Motor			w	14	12			
Λir	flow (at High)		(Cooling)	CMM	7.5	26			
	filter, Q'ty		(Cooming)	CIVIIVI	Polypropylene net (washable) × 2	-			
	k & vibration a	hoorbor			1 orypropyrene net (washable) × 2				
	ic heater	DSOLDEL			_	Cushion rubber (for compressor)			
					_				
•	ation control eration switch				Wireless-Remote controller	-			
Roo	om temperatur	e control			MC. Thermostat	_			
Pilo	t lamp				RUN (Green), TIMER (Yellow), HI P	OWER (Green), ECONO (Orange)			
Safety	y equipment				Compressor: Overheat protection, overcurrent protector error protection	tion, Serial signal error protection, Indoor fan mo-			
	O.D			mm (in)	•	Gas line: \$\phi 9.52 (3/8")			
Ħ	Connecting	method		()	Flare con				
Refrigerant piping	Attached len		ina		Liquid line: 0.4 m	···			
rig ing	Attached len	an or bibi	9		Gas line: 0.33 m	_			
Refrige piping	Insulation				Necessary (E	Roth sides)			
Drain hose					Connec				
	r source cord				2.5 m (3 cores				
Powe	source cord	C: · · ·			,	,			
Conn	ection wiring		ore number		1.5 mm² × 4 cores (Inc				
Connecting method			ting method		Terminal block (So				
	saaviaa (imaliid	lod)		1 1	Mounting kit, Clean filter (Natural enzyme filter x1,	Photocatalytic washable deodorizing filter x1)			
	ssories (includ	ieu)				· ····································			

Notes (1) The data are measured at the following conditions.

Item	Indoor air t	emperature	Outdoor air	Standards	
Operation	DB	WB	DB	WB	Standards
Cooling	27°C	19°C	35°C	24°C	ISO-T1, JIS C9612

The piping length is 7.5m.

- (2) The operation data are applied to the 220/230/240V districts respectively.
- (3) The refrigerant quantity to be charged includes the refrigerant in 15 m connecting piping. (Purging is not required even in the short piping.)

Item				Model	SRK28CC-S	SRC28CC-S	
	Cooling capacity ⁽¹⁾			W	255	0	
	r source				1 Phase, 220-		
£	Cooling inpu	ıt		kW	0.7		
ata(Running cur	rent (Cool	ing)	Α	3.9/3.7	7/3.5	
ğ	Inrush curre	nt .		Α	17.:	2	
Operation data ⁽¹⁾	COP				Cooling	: 3.21	
era			sound level		41	48	
g	Noise level	Cooling	Power level	dB	55	60	
	or dimensions			mm	250 × 815 × 247	540 × 720 × 290	
Color	<u>, </u>	- 1			Cool white	Stucco white	
Net w	eight			kg	9.0	32	
	erant equipme	ent				FDC400DDA [Determeterme] 4	
Con	npressor type	& Q'ty			_	5PS102DBA [Rotary type] × 1	
	Motor			kW	-	0.7	
	Starting met	hod			_	Line starting	
Hea	Heat exchanger				Louver fins & inner grooved tubing	Straight fins & inner grooved tubing	
Ref	Refrigerant control				Capillary tubes + Electric expansion valve		
Ref	rigerant ⁽³⁾			kg	R410A 0.9 (Pre-Charged up t	to the piping length of 15m)	
Ref	Refrigerant oil				0.35 (RE	368A)	
Dei	Deice control				MC con	ntrol	
	Air handling equipment type & Q'ty				Tangential fan × 1	Propeller $fan \times 1$	
	Motor			W	14	15	
Air	flow (at High)		(Cooling)	CMM	8.0	30	
Air	filter, Q'ty				Polypropylene net (washable) × 2	-	
Shock	« & vibration a	bsorber			_	Cushion rubber (for compressor)	
Electr	ic heater				_	-	
	tion control eration switch				Wireless-Remote controller	_	
	m temperatur	o control			MC. Thermostat		
	t lamp	e control			RUN (Green), TIMER (Yellow), HI P	OWED (Cross) ECONO (Orongo)	
	equipment						
Jaiety	equipment				Compressor: Overheat protection, overcurrent protection	ction, Serial signal error protection, Indoor fan	
—	O.D			mm (in)	Liquid line: φ6.35 (1/4")	Gas line: φ9.52 (3/8")	
lan [Connecting	method			Flare con	necting	
ge	Attached len	gth of pip	ing		Liquid line: 0.4 m		
Refrigerant piping					Gas line : 0.33 m		
Œ <u>o</u>	Insulation				Necessary (E	· · · · · · · · · · · · · · · · · · ·	
Drain	hose				Connec		
Power	r source cord				2.5 m (3 cores	,	
Conne	ection wiring		ore number		1.5 mm ² × 4 cores (Inc	<i>.</i>	
			ting method		Terminal block (So	<u> </u>	
	sories (includ	ed)			Mounting kit, Clean filter (Natural enzyme filter x1,	Photocatalytic washable deodorizing filter x1)	
Option	nal parts				_		

Notes (1) The data are measured at the following conditions.

Item	Indoor air t	emperature	Outdoor air	Standards	
Operation	DB	WB	DB	WB	Standards
Cooling	27°C	19°C	35°C	24°C	ISO-T1, JIS C9612

⁽²⁾ The operation data are applied to the 220/230/240V districts respectively.

⁽³⁾ The refrigerant quantity to be charged includes the refrigerant in 15 m connecting piping. (Purging is not required even in the short piping.)

						(======================================
Item				Model	SRK40CC-S	SRC40CC-S
Coolii	ng capacity ⁽¹⁾			W	3600	
Powe	r source				1 Phase, 220-2	240V, 50Hz
£	Cooling inpu	it		kW	1.12	2
lata	Running cur	rent (Coc	oling)	Α	5.3/5.1/	4.9
2	Inrush curre	nt		Α	25.2	
Operation data ⁽¹⁾	COP (Coolin	g)			Cooling:	3.21
Ser	N	Cooling	sound level	ı.	42	51
_			Power level	dB	56	63
	ior dimensions ${f ght} imes {f Width} imes {f E}$			mm	250 × 815 × 247	$640\times850\times290$
Color	<u> </u>				Cool white	Stucco white
Net w				kg	9.0	41
	erant equipme	ent				EKO4EODDD ID
-	npressor type				_	5KS150DBB [Rotary type] × 1
	Motor			kW	-	1.1
	Starting met	hod			-	Line starting
Heat exchanger					Louver fins & inner grooved tubing	Straight fins & inner grooved tubing
Refrigerant control					Capillary tubes + Electr	ic expansion valve
Refrigerant ⁽³⁾				kg	R410A 1.17 (Pre-Charged up t	o the piping length of 15m)
Refrigerant oil				l	0.43 (RB	68A)
Deice control					MC con	trol
	Air handling equipment type & Q'ty				Tangential fan × 1	Propeller fan × 1
71	Motor			w	14	35
Air	flow (at High)		(Cooling)	СММ	9.0	38
Air	filter, Q'ty		1, 0,		Polypropylene net (washable) × 2	_
Shock	k & vibration a	bsorber			_	Cushion rubber (for compressor)
Electr	ic heater				-	
Opera	ation control					
Ope	eration switch				Wireless-Remote controller	-
Roc	om temperatur	e control			MC. Thermostat	_
Pilo	ot lamp				RUN (Green), TIMER (Yellow), HI PO	OWER (Green), ECONO (Orange)
Safety	y equipment				Compressor: Overheat protection, overcurrent protection	tion, Serial signal error protection, Indoor fan
	O.D			mm (in)	Liquid line: φ6.35 (1/4")	Gas line: \(\psi 12.7 \) (1/2")
턽	Connecting	method		()	Flare conn	
er:			nina		Liquid line: 0.4 m	···3
Refrigerant piping	Attached length of piping		pg		Gas line : 0.33 m	-
Ilisulation					Necessary (B	<u> </u>
Drain					Connect	
Powe	r source cord				2.5 m (3 cores	,
Conn	ection wiring		Core number		1.5 mm ² × 4 cores (Inc	<u> </u>
			cting method		Terminal block (Sci	
	ssories (includ	ed)			Mounting kit, Clean filter (Natural enzyme filter x1,	Photocatalytic washable deodorizing filter x1)
Optio	nal parts					

Notes (1) The data are measured at the following conditions.

Item	Indoor air t	emperature	Outdoor air	Standards	
Operation	DB	WB	DB	WB	Standards
Cooling	27°C	19°C	35°C	24°C	ISO-T1, JIS C9612

⁽²⁾ The operation data are applied to the 220/230/240V districts respectively.

⁽³⁾ The refrigerant quantity to be charged includes the refrigerant in 15 m connecting piping. (Purging is not required even in the short piping.)

3.1.2 SELECTION DATA

(1) Specifications

Model SRK20CD-S (Indoor unit) SRC20CD-S (Outdoor unit)

(220/230/240V)

			•			`	
Item				Model	SRK20CD-S	SRC20CD-S	
Cooli	ng capacity ⁽¹⁾			W	205	50	
Powe	r source				1 Phase, 220-	-240V, 50Hz	
Ε.	Cooling inpu			kW			
ata	Running cur	rent (Cooli	ing)	Α	3.1/3.0	0/2.9	
p u	Inrush curre	nt		Α	18.	9	
Operation data ⁽¹⁾	СОР				Cooling	: 3.21	
era			sound level		Hi 34, Me 28, Lo 26	46	
О	Noise level	Cooling	Power level	dB	52	60	
	ior dimensions			mm	250 × 815 × 249	540 × 720 × 290	
Color		- op			Cool white	Stucco white	
	reight			kg	9.0	32	
	gerant equipme	ent		9	0.0		
-	mpressor type				_	RM-B5077MNE4 (Rotary type) × 1	
	Motor			kW	_	0.65	
	Starting met	hod			_	Line starting	
Hea	at exchanger				Louver fins & inner grooved tubing	Straight fins & inner grooved tubing	
	Refrigerant control				Capillary tubes + Electr		
Refrigerant ⁽³⁾				kg		to the piping length of 15m)	
	Refrigerant oil			l	0.35 (N		
	Deice control				MC co		
Air ha	Air handling equipment						
Fan	Fan type & Q'ty				Tangential fan × 1	Propeller fan \times 1	
	Motor			W	14	12	
Air	flow (at High)		(Cooling)	CMM	7.5	26	
Air	filter, Q'ty		•		Polypropylene net (washable) × 2	_	
Shock	k & vibration a	bsorber			_	Cushion rubber (for compressor)	
Electi	ric heater				_	_	
Opera	ation control						
Ope	eration switch				Wireless-Remote controller	_	
Roc	om temperatur	e control			MC. Thermostat	_	
Pilo	ot lamp				RUN (Green), TIMER (Yellow), HI P	OWER (Green), ECONO (Orange)	
Safet	y equipment				Compressor: Overheat protection, overcurrent protection error protection, Frost protection	ction, Serial signal error protection, Indoor fan mo-	
	O.D			mm (in)	•) Gas line: φ9.52 (3/8″)	
ar I	Connecting	method		()	Flare con		
Refrigerant piping	Attached len		na		Liquid line: 0.4 m		
Refrige piping		P.P.	5		Gas line : 0.33 m	-	
Re pip	Insulation				Necessary (E	Both sides)	
Drain	Drain hose			Connec			
	r source cord				2.5 m (3 cores		
		Size × Co	ore number		1.5 mm ² × 4 cores (Inc	,	
Conn	ection wiring		ing method		Terminal block (So	· · · · · · · · · · · · · · · · · · ·	
Acces	ssories (includ		g memou		Mounting kit, Clean filter	<u> </u>	
	nal parts	icu)			wounting kit, Clean men	indiana cheyine iliter Ae,	
Optilo	πιαι μαι ιο				_		

Notes (1) The data are measured at the following conditions.

Item	Indoor air t	emperature	Outdoor air	Standards		
Operation	DB	WB	DB	WB	Standards	
Cooling	27°C	19°C	35℃	24°C	ISO-T1, JIS C9612	

- (2) The operation data are applied to the 220/230/240V districts respectively.
- (3) The refrigerant quantity to be charged includes the refrigerant in 15 m connecting piping. (Purging is not required even in the short piping.)

						•			
Item				Model	SRK28CD-S	SRC28CD-S			
Cooling capacity ⁽¹⁾				W	255	0			
Power	source				1 Phase, 220-	240V, 50Hz			
£_	Cooling inpu			kW	kW 0.79				
lata	Running cur	rent (Cool	ling)	Α	3.9/3.7	/3.5			
n n	Inrush curre	nt		Α	17.2	2			
Operation data ⁽¹⁾	COP				Cooling: 3.21				
Jerg	Naisa Issal	Cooling	sound level	-ID	Hi 39, Me 33, Lo 30	46			
ŏ	Noise level	Cooling	Power level	dB	55	60			
	or dimensions $\operatorname{ght} imes \operatorname{Width} imes \operatorname{I}$	-		mm	250 × 815 × 249	540 × 720 × 290			
Color					Cool white	Stucco white			
Net we				kg	9.0	32			
_	erant equipments				-	5PS102DAB [Rotary type] \times 1			
	Motor			kW	-	0.7			
	Starting met	hod			-	Line starting			
Heat exchanger					Louver fins & inner grooved tubing	Straight fins & inner grooved tubing			
Refrigerant control					Capillary tubes + Electro				
Refrigerant ⁽³⁾				kg		o the piping length of 15m)			
Refrigerant oil				l	0.35 (RE	368A)			
Deice control					MC cor	ntrol			
Air handling equipment Fan type & Q'ty				Tangential fan × 1	Propeller fan \times 1				
	Motor			W	14	15			
Air f	flow (at High)		(Cooling)	СММ	8.0	30			
	filter, Q'ty				Polypropylene net (washable) × 2	_			
	& vibration a	bsorber			-	Cushion rubber (for compressor)			
	ic heater				-				
•	tion control eration switch				Wireless-Remote controller	-			
Roo	m temperatur	e control			MC. Thermostat	-			
Pilot	t lamp				RUN (Green), TIMER (Yellow), HI P	OWER (Green), ECONO (Orange)			
Safety	equipment				Compressor: Overheat protection, overcurrent protection motor error protection, Frost protection	tion, Serial signal error protection, Indoor fan			
	O.D			mm (in)	Liquid line: φ6.35 (1/4")	Gas line: φ9.52 (3/8")			
aut	Connecting	method			Flare con				
Refrigerant piping	Attached len	gth of pip	ing		Liquid line: 0.4 m Gas line : 0.33 m	-			
Be ₽≓	Insulation				Necessary (B	oth sides)			
Drain hose					Connec				
	source cord				2.5 m (3 cores				
•		Size × C	ore number		1.5 mm ² × 4 cores (Inc				
Conne	ection wiring		ting method		•	<u> </u>			
Accessories (included)					Terminal block (Screw fixing type) Mounting kit, Clean filter (Natural enzyme filter x2)				
Acces	sories (includ	ea)			Mounting kit, Olean inter (natural crizyine inter xz)			

Notes (1) The data are measured at the following conditions.

Item	Indoor air t	emperature	Outdoor air	Standards	
Operation	DB	WB	DB	WB	Standards
Cooling	27°C	19℃	35℃	24°C	ISO-T1, JIS C9612

The piping length is 7.5m.

- (2) The operation data are applied to the 220/230/240V districts respectively.
- (3) The refrigerant quantity to be charged includes the refrigerant in 15 m connecting piping. (Purging is not required even in the short piping.)

						(220/200/240		
Item				Model	SRK40CD-S	SRC40CD-S		
Cooling capacity ⁽¹⁾				W	360	00		
Power source					1 Phase, 220-240V, 50Hz			
€ Cod	oling input			kW	1.1	2		
Running current (Cooling)				Α	A 5.3/5.1/4.9			
<u> </u>	ush current	t		Α	25.	2		
ig co	COP sound level			Cooling	g: 3.21			
er.			sound level		Hi 40, Me 38, Lo 34	49		
o Noi	ise level C	cooling	Power level	dB	56	63		
Exterior di Height ×	imensions Width × De	epth		mm	mm 250 × 815 × 249 640 × 850 × 290			
Color					Cool white	Stucco white		
Net weight	t			kg	9.0	41		
•	nt equipmer ssor type 8				-	5KS150DBB [Rotary type] × 1		
Mot	tor			kW	-	1.1		
Sta	rting meth	od			_	Line starting		
Heat exc	changer				Louver fins & inner grooved tubing	Straight fins & inner grooved tubing		
Refrigerant control			Capillary tubes + Electr	ronic expansion valve				
Refrigerant ⁽³⁾				kg	R410A 1.17 (Pre-Charged up to the piping length of 15m)			
Refrigerant oil				l	0.43 (Ri	B68A)		
Deice co	ontrol				MC control			
Air handlin Fan type	ng equipme e & Q'ty	ent			Tangential $fan \times 1$ Propeller $fan \times 1$			
Mot	tor			W	14	35		
Air flow	(at High)		(Cooling)	СММ	9.0	38		
Air filter,	, Q'ty				Polypropylene net (washable) × 2	_		
Shock & vi	ibration ab	sorber			_	Cushion rubber (for compressor)		
Electric he	eater				_	_		
Operation Operation	control on switch				Wireless-Remote controller	-		
	emperature	control			MC. Thermostat	_		
Pilot lam					RUN (Green), TIMER (Yellow), HI I	POWER (Green), ECONO (Orange)		
Safety equ	uipment				Compressor: Overheat protection, overcurrent prote motor error protection, Frost protection	· · · · · · · · · · · · · · · · · · ·		
0.0)			mm (in)) Gas line: φ12.7 (1/2")		
E Coi	nnecting m	ethod		()	Flare con			
<u> </u>	ached leng		ing		Liquid line: 0.4 m			
Prefrige piping Atta	3		-		Gas line : 0.33 m	_		
ınsı ⊒	ulation				Necessary (I	Both sides)		
Drain hose				Connec				
					2.5 m (3 cores	s with Earth)		
Power source cord					1.5 mm ² × 4 cores (Inc	cluding earth cable)		
	Size × Core number		ore number		1.5 mm² × 4 cores (Including earth cable)			
Connection	n wiring		ting method		Terminal block (So	· · · · · · · · · · · · · · · · · · ·		
Connection	n wiring es (include	Connec			,	crew fixing type)		

Notes (1) The data are measured at the following conditions.

Item	Indoor air t	emperature	Outdoor air	temperature	Standards
Operation	DB	WB	DB	WB	Standards
Cooling	27°C	19°C	35°C	24°C	ISO-T1, JIS C9612

- (2) The operation data are applied to the 220/230/240V districts respectively.
- (3) The refrigerant quantity to be charged includes the refrigerant in 15 m connecting piping. (Purging is not required even in the short piping.)

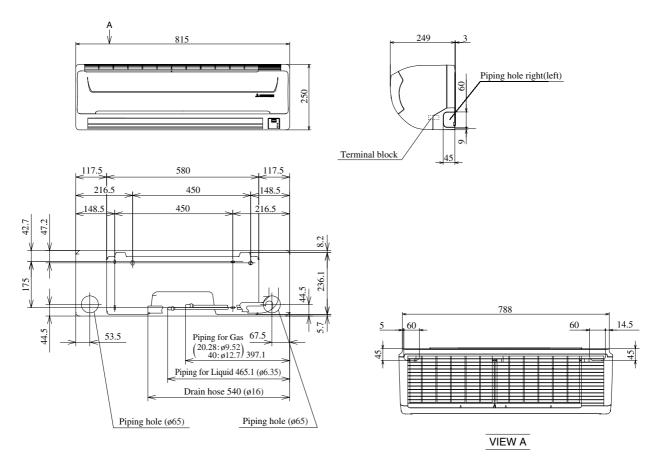
(2) Range of usage & limitations

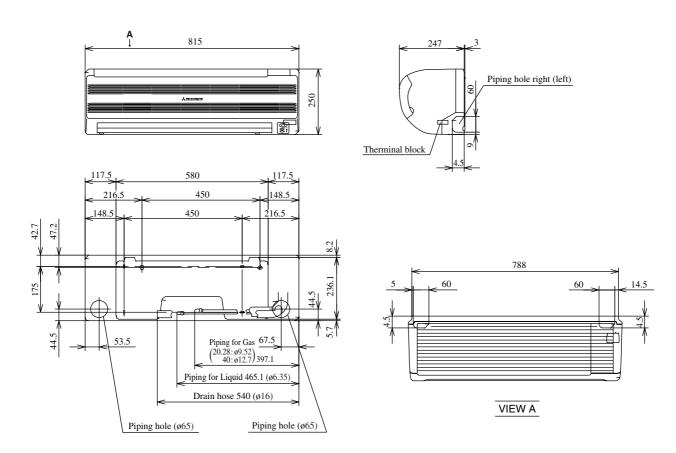
Models	All models
Indoor return air temperature (Upper, lower limits)	Refer to the selection chart
Outdoor air temperature (Upper, lower limits)	Kerei to the selection chart
Refrigerant line (one way) length	Max. 15m
Vertical height difference between outdoor unit and indoor unit	Max. 10m (Outdoor unit is higher) Max. 10m (Outdoor unit is lower)
Power source voltage	Rating ± 10%
Voltage at starting	Min. 85% of rating
Frequency of ON-OFF cycle	Max. 10 times/h
ON and OFF interval	Max. 3 minutes

(3) Exterior dimensions

(a) Indoor unit Models SRK20CD-S, 28CD-S,40CD-S

Unit: mm

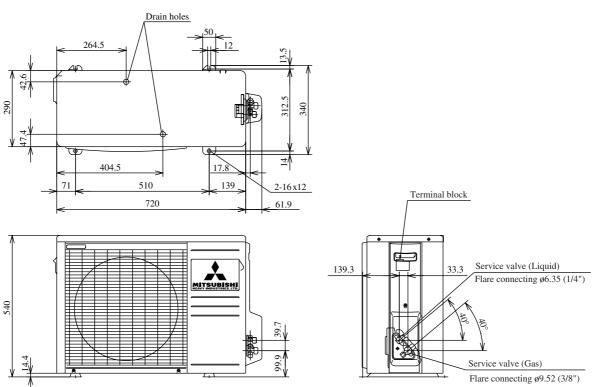




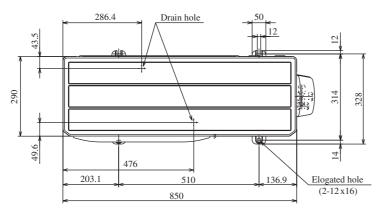
(b) Outdoor unit

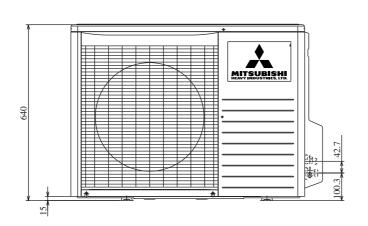
Models SRC20CD-S, 28CD-S, 20CC-S, 28CC-S

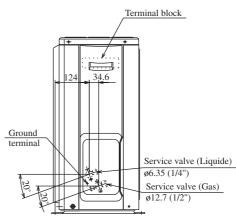




Models SRC40CD-S, 40CC-S

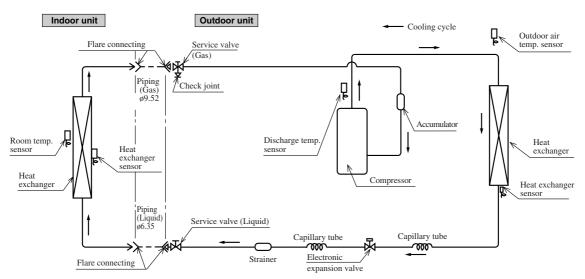




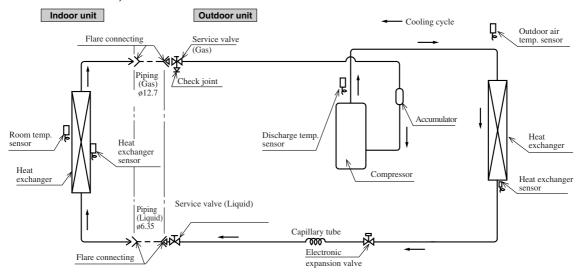


(4) Piping system

Models SRK20CD-S, 28CD-S, 20CC-S, 28CC-S



Models SRK40CD-S, 40CC-S

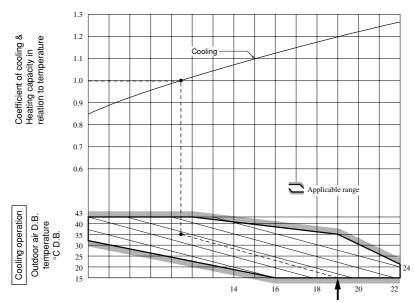


(5) Selection chart

Correct the cooling capacity in accordance with the conditions as follows. The net cooling capacity can be obtained in the following way.

Net capacity = Capacity shown on specification \times Correction factors as follows.

(a) Coefficient of cooling capacity in relation to temperatures



Indoor air W.B. temperature °C W.B. ISO-T1 Standard Condition

(b) Correction of cooling capacity in relation to one way length of refrigerant piping

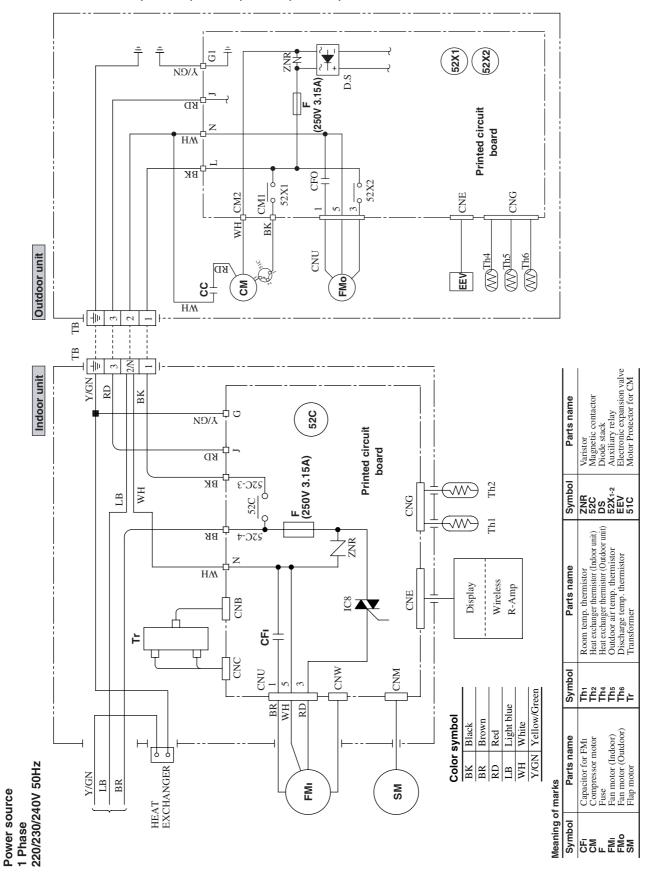
It is necessary to correct the cooling capacity in relation to the one way piping length between the indoor and outdoor units.

Piping length [m]	7	10	15
Cooling	1.0	0.99	0.975

3.1.3 ELECTRICAL DATA

(1) Electrical wiring

Models SRK20CD-S, 28CD-S, 40CD-S, 20CC-S, 28CC-S, 40CC-S



3.1.4 OUTLINE OF OPERATION CONTROL BY MICROCOMPUTER

Except for function relating to heating, same at the for SRK heat pump modes. Refer to Page 155.

3.1.5 APPLICATION DATA

The application data for the cooling only models are similar to those for the heat pump models. Refer to Page 166.

3.1.6 MAINTENANCE DATA

Same at the cooling/heating equipment SRK heat pump models. Refer to Page 174.

3.1.7 REFRIGERANT PIPING INSTALLATION/SERVICING MANUAL FOR AIR CONDITIONERS USING R410A

This is same as chapter 1.1.7 Refer to Page 59.

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3.2.1 GENERAL INFORMATION

(1) Specific features

The "Mitsubishi Daiya" room air-conditioner: SRK series are of split and wall mounted type and the unit consists of indoor unit and outdoor unit with refrigerant precharged in factory. The indoor unit is composed of room air cooling equipment with operation control switch and the outdoor unit is composed of condensing unit with compressor.

(a) Remote control flap

The flap can be automatically controlled by operating wireless remote controller.

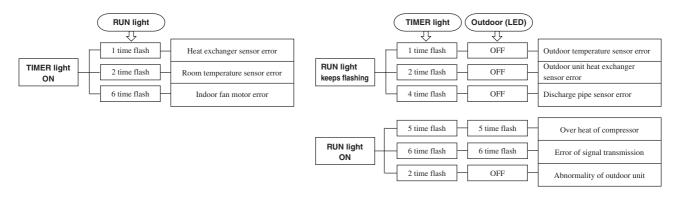
- Air scroll: Flap operation is automatically control.
- Swing: This will swing the flap up and down.
- Memory flap: Once the flap position is set, the unit memorizes the position and continues to operate at the same position from the next time.

(b) Automatic operation

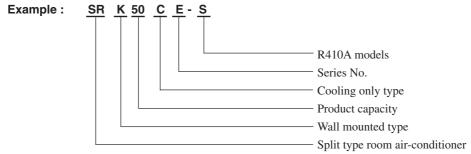
When the remote control switch is set on "auto ((a))", it will either automatically decide operation mode such as cooling and thermal dry, or operate in the operation mode before it has been turned to automatic control.

(c) Self diagnosis function

 We are constantly trying to do better service to our customers by installing such judges that show abnormality of operation as follows.



(2) How to read the model name



3.2.2 SELECTION DATA

(1) Specifications

Model SRK50CE-S (Indoor unit) SRC50CE-S (Outdoor unit)

(220/230/240V)

Item				Model	SRK50CE-S	SRC50CE-S			
Cooli	ng capacity ⁽¹⁾			W	4700				
Powe	Power source				1 Phase, 220-240V, 50Hz				
Ð	€ Cooling input			kW	1.4	! 1			
ata	Running current (Cooling)			Α	6.5/6.3/6.0				
p u	Inrush curre	Inrush current			39	.6			
엹	COP				Cooling	g: 3.33			
era			Sound level		Hi 43, Me 39, Lo 34	47			
Ö	Noise level	Cooling	Power level	dB	58	63			
	ior dimensions			mm	298 × 840 × 259	640 × 850 × 290			
Color		Jopan			Cool white	Stucco white			
	reight			kg	12	44			
	gerant equipm	ent		1.9					
	mpressor type				-	RM-B5118MNE5 (Rotary type) × 1			
	Motor			kW	_	1.4			
	Starting met	hod			_	Line starting			
Hea	at exchanger				Louver fins & inner grooved tubing Straight fins & inner grooved tu				
	Refrigerant control			Capillary tubes + Elect					
	Refrigerant ⁽³⁾			kg	R410A 1.4 (Pre-Charged up	*			
	Refrigerant oil			l	0.7 (M				
	ce control				Microcomp	· · · · · · · · · · · · · · · · · · ·			
Air ha	andling equipn	nent			T (151				
	n type & Q'ty				Tangential fan × 1	Propeller fan \times 1			
	Motor			W	27	35			
Air	flow (at High)		(Cooling)	СММ	10.0	38.0			
Air	filter, Q'ty				Polypropylene net (washable) × 2	_			
Shoc	k & vibration a	bsorber			-	Cushion rubber (for compressor)			
Electi	ric heater				_	_			
Opera	ation control								
Ope	eration switch				Wireless-Remote controller	_			
Roc	om temperatur	e control			Microcomputer thermostat	_			
Pilo	ot lamp				RUN (Green), TIMER (Yellow), HI	POWER (Green), ECONO (Orange)			
Safet	y equipment				Compressor: Overheat protection, Serial signal error protection	protection, Indoor fan motor error protection, Frost			
	O.D			mm (in)	-	′) Gas line: \(\psi 12.7 \) (1/2″)			
Ħ	Connecting	method			Flare cor				
Refrigerant piping	Attached len		ning		Liquid line: 0.54 m				
frig ing	711111111111111111111111111111111111111	9 v. p.r	9		Gas line : 0.47 m	_			
Refrige piping	Insulation				Necessary (Both sides)			
Drain	hose				Conne				
	r source cord				2 m (3 cores				
		Size × 0	Core number		1.5 mm ² × 4 cores (In	,			
Conn	ection wiring		ting method		Terminal block (S	,			
Acces	ssories (includ		9		Mounting kit, Clean filter (Natural enzyme filter × 1	<u> </u>			
	nal parts				incurring Air, Ordan inter (Natural Ch2) interior				
Optilo	παι μαιτο				_	•			

Notes (1) The data are measured at the following conditions.

Item	Indoor air t	emperature	Outdoor air	Standarda					
Operation	DB	WB	DB	WB	Standards				
Cooling	27°C	19°C	35°C	24°C	ISO-T1, JIS C9612				

- (2) The operation data are applied to the 220/230/240V districts respectively.
- (3) The refrigerant quantity to be charged includes the refrigerant in 15 m connecting piping. (Purging is not required even for the short piping.)
 If the piping length is longer, when it is 15 to 25 m, add 20 g refrigerant per meter.

Item				Model	SRK56CE-S	SRC56CE-S	
Cooling capacity ⁽¹⁾				W	510	00	
Power source					1 Phase, 220-240V, 50Hz		
	Cooling inpu	ıt		kW	1.5	9	
Operation data ⁽¹⁾	Running cur	rent (Coo	ling)	Α	7.3/7.1	1/6.8	
E C	Inrush curre	nt		Α	45.	2	
aţic	COP				Cooling	j: 3.21	
Sera	Noise level	Cooling	Sound level	dB	Hi 44, Me 40, Lo 35	49	
_		-	Power level	ав	59	64	
	ior dimensions $ight imes Width imes I$			mm	298 × 840 × 259	$640\times850\times290$	
Color	r				Cool white	Stucco white	
	/eight			kg	12	44	
	gerant equipm mpressor type				_	RM-B5120MNE5 [Rotary type] \times 1	
	Motor			kW	_	1.5	
	Starting met	hod			_	Line starting	
Hea	at exchanger				Louver fins & inner grooved tubing	Straight fins & inner grooved tubing	
	Refrigerant control				Capillary tubes + Electronic expansion valve		
	Refrigerant ⁽³⁾			kg	R410A 1.4 (Pre-Charged up to the piping length of 15m)		
	frigerant oil			l	0.7 (M	· · · · · · · · · · · · · · · · · · ·	
	ice control				Microcompu	iter control	
	andling equipn n type & Q'ty	nent			Tangential fan \times 1	Propeller fan \times 1	
	Motor			W	27	35	
Air	flow (at High)		(Cooling)	CMM	11.0	38.0	
Air	filter, Q'ty				Polypropylene net (washable) \times 2	_	
	k & vibration a	bsorber			_	Cushion rubber (for compressor)	
Elect	ric heater				_	_	
•	ation control eration switch				Wireless-Remote controller	-	
Ro	om temperatur	e control			Microcomputer thermostat	-	
Pile	ot lamp				RUN (Green), TIMER (Yellow), HI	POWER (Green), ECONO (Orange)	
Safet	y equipment				Compressor: Overheat protection, Serial signal error protection	r protection, Indoor fan motor error protection, Fros	
	O.D			mm (in)	Liquid line: 6.35 (1/4") Gas line: φ12.7 (1/2")	
ant	Connecting	method		. ,	Flare con		
Refrigerant piping	Attached ler	gth of pip	ing		Liquid line: 0.54 m		
Refrige piping			ļ		Gas line : 0.47 m	-	
Insulation				Necessary (E	Both sides)		
Drain	Drain hose				Connec	ctable	
Powe	r source cord				2 m (3 cores	with earth)	
Connection wiring Size × Core number		Size × C	ore number		1.5 mm ² × 4 cores (Inc		
		ting mothed		Terminal block (Screw fixing type)			
		Accessories (included) Connecting method					
Acce	ssories (includ		ung memod		Mounting kit, Clean filter (Natural enzyme filter x 1		

Notes (1) The data are measured at the following conditions.

Item	Indoor air t	emperature	Outdoor air	Standards	
Operation	DB	WB	DB	WB	Standards
Cooling	27°C	19°C	35°C	24°C	ISO-T1, JIS C9612

The piping length is 7.5m.

- (2) The operation data are applied to the 220/230/240V districts respectively.
- (3) The refrigerant quantity to be charged includes the refrigerant in 15 m connecting piping. (Purging is not required even for the short piping.)

If the piping length is longer, when it is 15 to 25 m, add 20 g refrigerant per meter.

(2) Range of usage & limitations

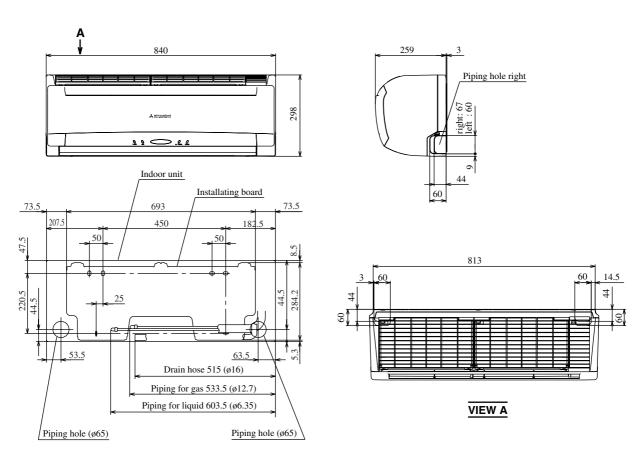
Models	All models
Indoor return air temperature (Upper, lower limits)	Refer to the selection chart
Outdoor air temperature (Upper, lower limits)	Refer to the selection chart
Refrigerant line (one way) length	Max. 25m
Vertical height difference between outdoor unit and indoor unit	Max. 15m (Outdoor unit is higher) Max. 15m (Outdoor unit is lower)
Power source voltage	Rating ± 10%
Voltage at starting	Min. 85% of rating
Frequency of ON-OFF cycle	Max. 10 times/h
ON and OFF interval	Max. 3 minutes

(3) Exterior dimensions

(a) Indoor unit

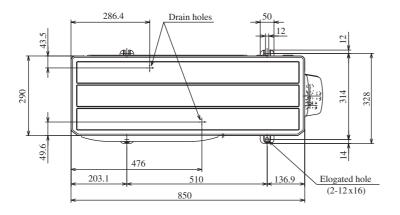
Models All models

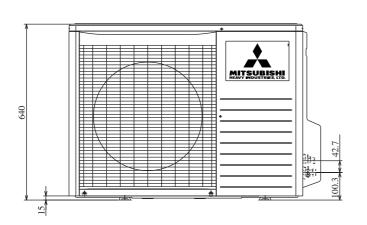
Unit: mm

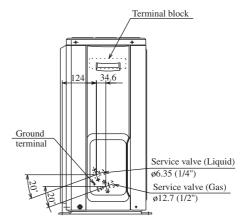


(b) Outdoor unit

Models All models

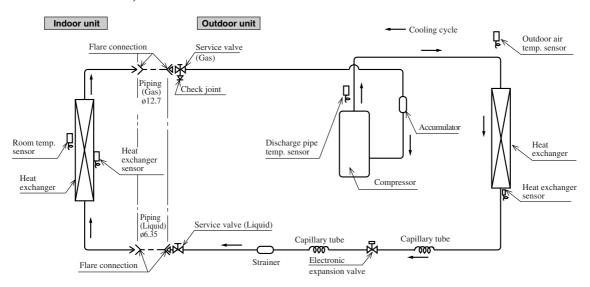






(4) Piping system

Models SRK50CE-S, 56CE-S

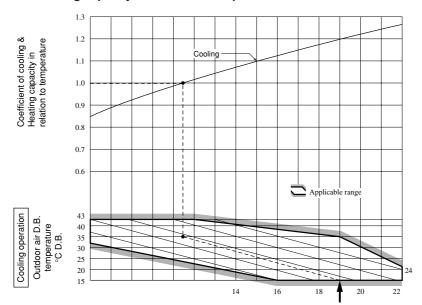


(5) Selection chart

Correct the cooling capacity in accordance with the conditions as follows. The net cooling capacity can be obtained in the following way.

Net capacity = Capacity shown on specification \times Correction factors as follows.

(a) Coefficient of cooling capacity in relation to temperatures



Indoor air W.B. temperature °C W.B. ISO-T1 Standard Condition

(b) Correction of cooling capacity in relation to one way length of refrigerant piping

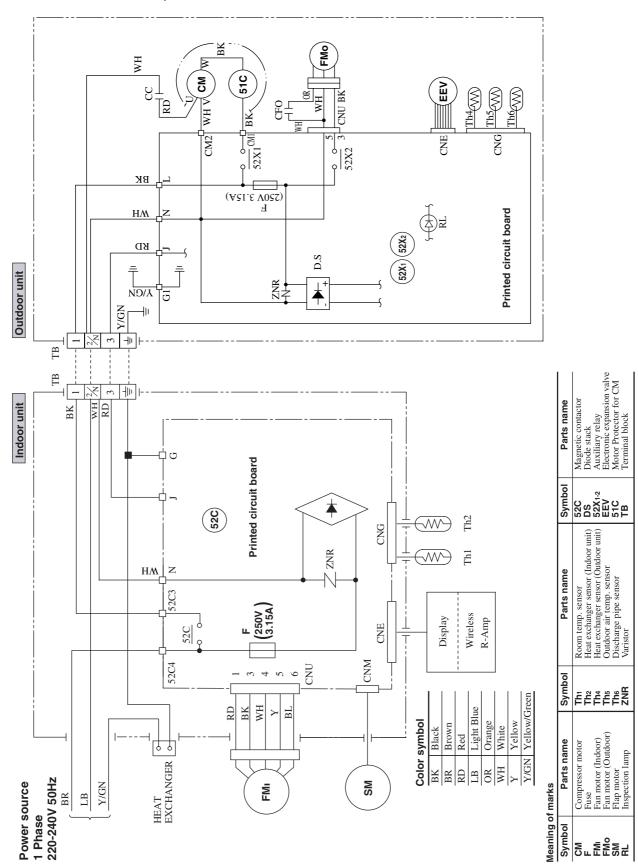
It is necessary to correct the cooling capacity in relation to the one way piping length between the indoor and outdoor units.

Piping length [m]	7	10	15	20	25
Cooling	1.0	0.99	0.975	0.965	0.95

3.2.3 ELECTRICAL DATA

(1) Electrical wiring

Models SRK50CE-S, 56CE-S



3.2.4 OUTLINE OF OPERATION CONTROL BY MICROCOMPUTER

Except for function relating to heating, same at the for SRK heat pump models. Refer to Page 188.

3.2.5 APPLICATION DATA

The application data for the cooling only models are similar to those for the heat pump models. Refer to Page 199.

3.2.6 MAINTENANCE DATA

Same at the cooling/heating equipment SRK heat pump models. Refer to Page 207.

3.2.7 REFRIGERANT PIPING INSTALLATION/SERVICING MANUAL FOR AIR CONDITIONERS USING R410A

This is same as chapter 1.1.7. Refer to Page 59.

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3.3.1 GENERAL INFORMATION

(1) Specific features

The "Mitsubishi Daiya" room air-conditioner: SRK series are of split and wall mounted type and the unit consists of indoor unit and outdoor unit with refrigerant precharged in factory. The indoor unit is composed of room air cooling equipment with operation control switch and the outdoor unit is composed of condensing unit with compressor.

(a) Remote control flap & louver

The flap & louver can be automatically controlled by operating wireless remote control.

• Flap swing : The flaps swing up and down successively.

• Louver swing : The louvers swing left and right successively.

 Multi-directional Air Flow (up/down air scroll and left/right air scroll)

• Multi-directional Air Flow: Activating both up/down air swing and left/right air swing at the same time results in a multi-

directional air flow.

• Memory flap : Once the flap & louver position is set, the unit memorizes the position and continues to operate

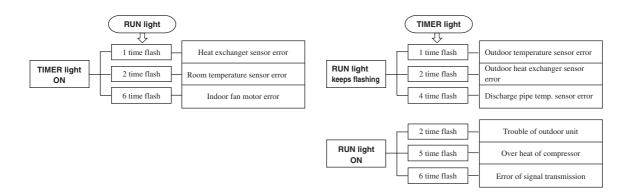
at the same position from the next time.

(b) Automatic operation

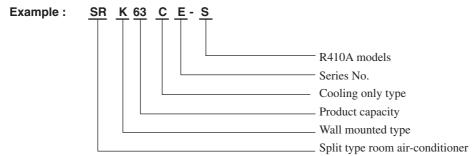
When the remote control switch is set on "auto(②)", it will either automatically decide operation mode such as cooling and thermal dry, or operate in the operation mode before it has been turned to automatic control.

(c) Self diagnosis function

 We are constantly trying to do better service to our customers by installing such judges that show abnormality of operation as follows.



(2) How to read the model name



3.3.2 SELECTION DATA

(1) Specifications

Model SRK63CE-S (Indoor unit) SRC63CE-S (Outdoor unit)

(220/230/240V)

			Model	SRK63CE-S	SRC63CE-S			
Item Cooling capacity ⁽¹⁾			W	6300				
	r source		VV	1 Phase, 220-240V, 50Hz				
	Cooling inpu	ıt	kW	2.19				
(E)	Running current (Cooling)		A	10.9/10.5/10.0				
data	Inrush current		A	53				
Operation data ^{(1) (2)}	COP			Cooling: 2.88				
rati		Sound I		Hi 44, Me 40, Lo 37 49				
å	Noise level	Cooling Power le	evel	59	65			
Exteri	ior dimensions	, <u>'</u>	mm	318 × 1098 × 248	640 × 850 × 290			
	ght $ imes$ Width $ imes$ [Depth	""""		040 × 030 × 250			
Color				Yellowish white	Stucco white			
Net w			kg	15	47			
-	gerant equipme			_	RM-B5125MNE5 (Rotary type) × 1			
Cor	mpressor type Motor	α Uity	kW	_	1.9			
	Starting met	had	KVV	_	Line starting			
Нос	at exchanger	ilou		Slit fins & inner grooved tubing	Straight fin & inner grooved tubing			
	rigerant contro	ol .						
	rigerant ⁽³⁾	יכ	kg	Capillary tubes + Electric expansion valve R410A 1.5 (Pre-charged up to the piping length of 15m)				
	rigerant oil		l kg	0.7 (MA68)				
	ce control			Microcomputer control				
Air handling equipment								
Fan type & Q'ty				Tangential fan × 1	Propeller fan \times 1			
Motor			W	46	43			
Air flow (at High) (Cooling)			ling) CMM	18	42			
Air	Air filter, Q'ty			Polypropylene net (washable) × 2	_			
Shock	k & vibration a	bsorber		_	Cushion rubber (for compressor)			
	ric heater			_	-			
	ation control			Wireless-Remote controller	_			
	eration switch			Wheless remote controller				
	om temperatur	e control		Microcomputer thermostat	-			
	ot lamp			RUN (Green), TIMER (Yellow), HI F				
Safety	y equipment			Compressor: overheat protection, Frost protection, Serial signal error protection, Indoor fan motor of protection				
	O.D	O.D		Liquid line: φ6.35 (1/4") Gas line: φ12.7 (1/2″)			
Refrigerant piping	Connecting method			Flare connecting				
ger	Attached length of piping			Liquid line: 0.70m				
Refrige piping				Gas line : 0.63m				
	Insulation			Necessary (Both sides)				
	Drain hose			Connectable				
Powe	r source supp		_	Terminal block (Screw fixing type)				
Conn	ection wiring	Size × Core nun		1.5 mm ² × 4 cores (Including earth cable)				
Connecting method			hod	Terminal block (Screw fixing type)				
	Accessories (included)			Mounting kit, Clean filter (Natural enzyme filter × 1, Photocatalytic washable deodorizing filter × 1)				
Optional parts				Wired-Remote control				

Notes (1) The data are measured at the following conditions.

Item	Indoor air t	emperature	Outdoor air	Standarda	
Operation	DB	WB	DB	WB	Standards
Cooling	27°C	19℃	35℃	24°C	ISO-T1, JIS C9612

The piping length is 7.5m.

- (2) The operation data are applied to the 220/230/240V districts respectively.
- (3) The refrigerant quantity to be charged includes the refrigerant in 15 m connecting piping. (Purging is not required even in the short piping.)

If the piping length is longer, when it is 15 to 25m, add 20g refrigerant per meter.

						,			
Item				Model	SRK71CE-S	SRC71CE-S			
Cooling capacity ⁽¹⁾				W	71	00			
Power source					1 Phase, 220-240V, 50Hz				
E_	Cooling input		kW	2.21					
late	Running current (Cooling)			Α	11.0/10.6/10.1				
n l	Inrush current			Α	49				
Operation data ⁽¹⁾	COP				Cooling	g: 3.21			
Sera			Sound level	ı.	Hi 45, Me 41, Lo 38	54			
- 1	Noise level	-	Power level	dB	59	69			
	or dimensions $\operatorname{ght} \times \operatorname{Width} \times \operatorname{Width} \times \operatorname{Width}$			mm	318 × 1098 × 248	$750\times880\times340$			
Color					Yellowish white	Stucco white			
Net w				kg	15	68			
	erant equipm npressor type				-	5JS270DAA01			
	Motor			kW	-	1.8			
	Starting met	hod			-	Line starting			
Hea	t exchanger				Slit fins & inner grooved tubing	Straight fin & inner grooved tubing			
Refrigerant control					Capillary tubes + Electric expansion valve				
Ref	rigerant ⁽³⁾			kg	R410A 2.0 (Pre-charged up to the piping length of 15m)				
Refrigerant oil				l	1.13 (RB68A or Freol Alpha 68M)				
	ce control				Microcomputer control				
Air handling equipment Fan type & Q'ty					Tangential fan × 1	Propeller fan \times 1			
Motor				W	46	85			
Air flow (at High) (Cooling)			(Cooling)	CMM	19	60			
Air	filter, Q'ty				Polypropylene net (washable) \times 2	_			
	« & vibration a	bsorber			_	Cushion rubber (for compressor)			
Electr	ic heater				-	_			
	ition control eration switch				Wireless-Remote controller	-			
Roo	om temperatur	e control			Microcomputer thermostat –				
Pilo	t lamp				RUN (Green), TIMER (Yellow), HI POWER (Green), ECONO (Orange)				
Safety	y equipment				Compressor: overheat protection, Frost protection, S	Serial signal error protection, Indoor fan motor error			
	O.D		mm (in)	Liquid line: φ6.35 (1/4") Gas line: φ15.88 (5/8")					
Refrigerant piping	Connecting method		` ′	Flare connecting					
ger	Attached length of piping			Liquid line : 0.70m					
Refrige piping			ļ		Gas line : 0.63m	_			
<u> </u>	Insulation			Necessary (Both sides)					
Drain hose					Connectable				
Power source supply					Terminal block (Screw fixing type)				
Connection wiring Size × Core number Connecting method			Core number		1.5 mm ² × 4 cores (Including earth cable)				
			ting method		Terminal block (Screw fixing type)				
	Accessories (included)				Mounting kit, Clean filter (Natural enzyme filter × 1, Photocatalytic washable deodorizing filter × 1)				
Acces	ssories (includ	led)			Mounting kit, Clean filter (Natural enzyme filter × 1	, Photocatalytic washable deodorizing filter × 1)			

Notes (1) The data are measured at the following conditions.

Item	Indoor air t	emperature	Outdoor air	Standards		
Operation	DB	WB	DB	WB	Standards	
Cooling	27°C	19℃	35°C	24°C	ISO-T1, JIS C9612	

The piping length is 7.5m.

- (2) The operation data are applied to the 220/230/240V districts respectively.
- (3) The refrigerant quantity to be charged includes the refrigerant in 15 m connecting piping. (Purging is not required even in the short piping.)

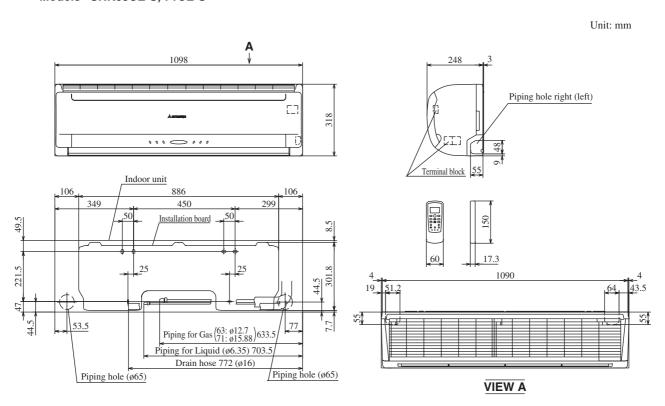
If the piping length is longer, when it is 15 to 25m, add 25g refrigerant per meter.

(2) Range of usage & limitations

Models	All models		
Indoor return air temperature (Upper, lower limits)	Refer to the selection chart		
Outdoor air temperature (Upper, lower limits)	Refer to the selection chart		
Refrigerant line (one way) length	Max. 25m		
Vertical height difference between outdoor unit and indoor unit	Max. 15m		
Power source voltage	Rating ± 10%		
Voltage at starting	Min. 85% of rating		
Frequency of ON-OFF cycle	Max. 10 times/h		
ON and OFF interval	Max. 3 minutes		

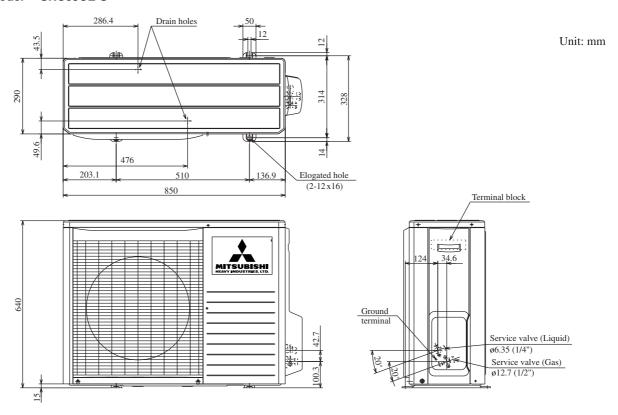
(3) Exterior dimensions

(a) Indoor unit Models SRK63CE-S, 71CE-S

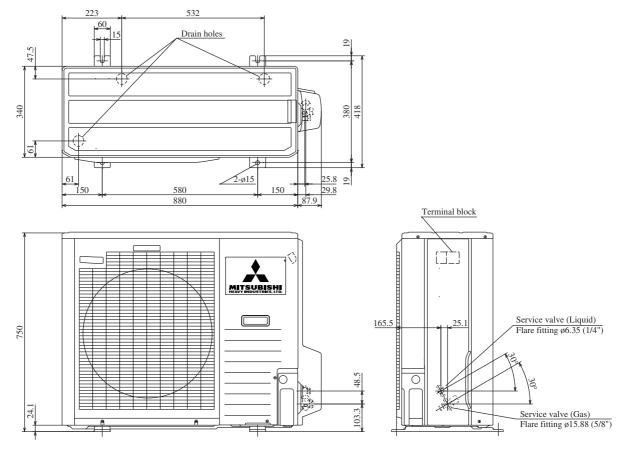


(b) Outdoor unit

Model SRC63CE-S

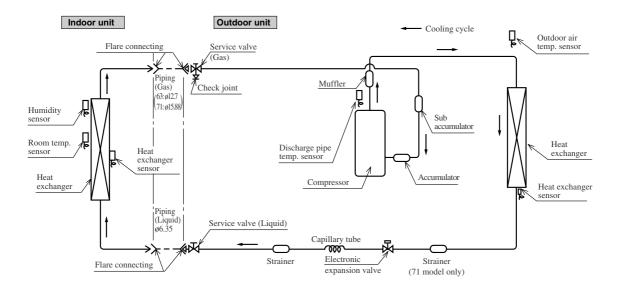


Model SRC71CE-S Unit: mm



(4) Piping system

Models SRK63CE-S, 71CE-S

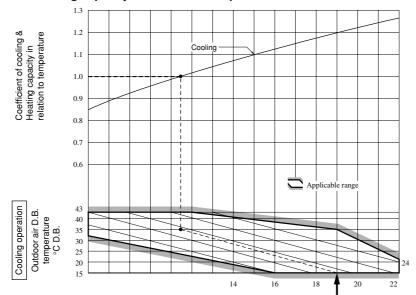


(5) Selection chart

Correct the cooling capacity in accordance with the conditions as follows. The net cooling capacity can be obtained in the following way.

Net capacity = Capacity shown on specification \times Correction factors as follows.

(a) Coefficient of cooling capacity in relation to temperatures



Indoor air W.B. temperature °C W.B. ISO-T1 Standard Condition

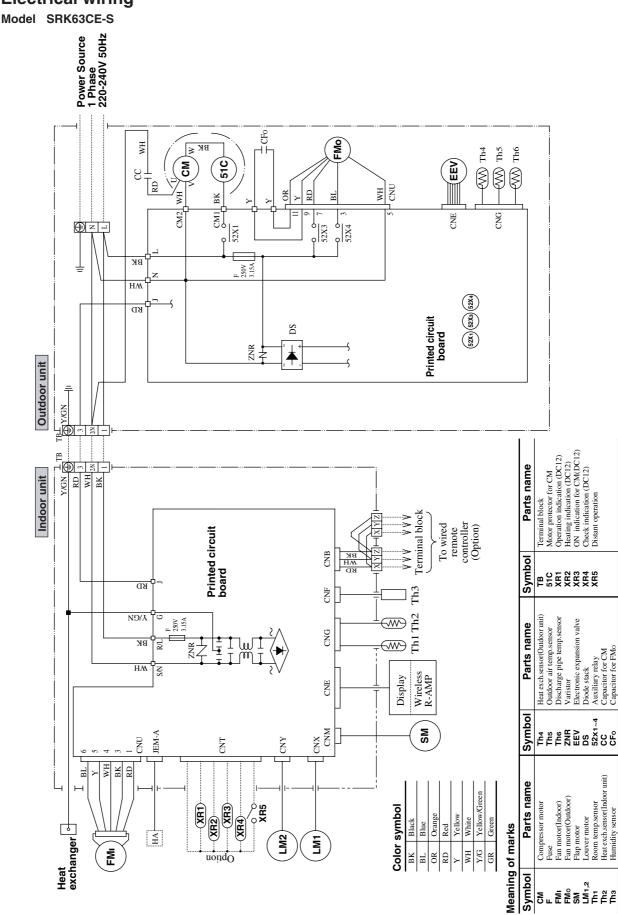
(2) Correction of cooling capacity in relation to one way length of refrigerant piping

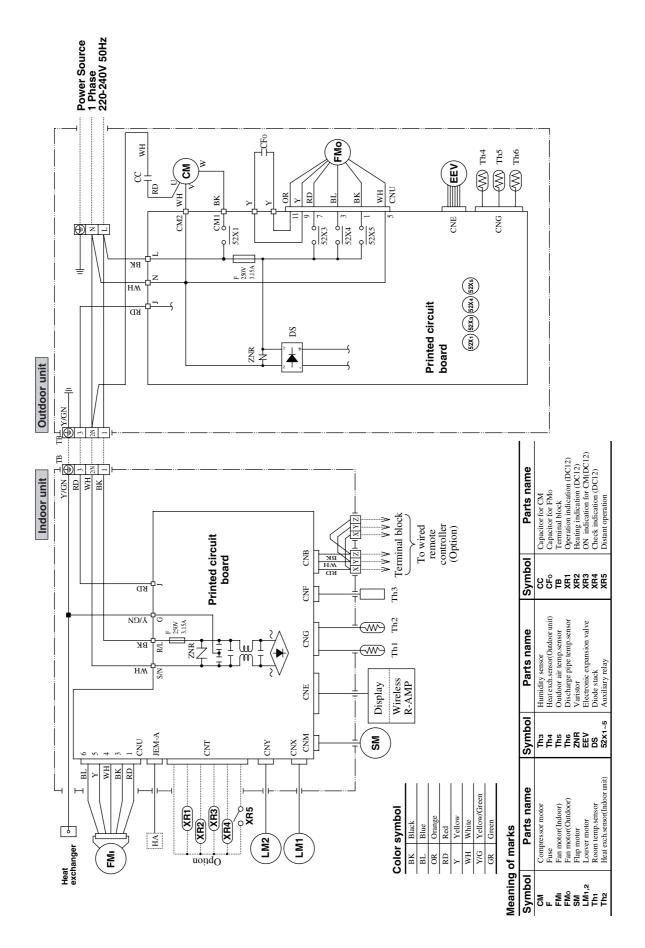
It is necessary to correct the cooling capacity in relation to the one way piping length between the indoor and outdoor units.

Piping length [m]	7	10	15	20	25
Cooling	1.0	0.99	0.975	0.965	0.95

3.3.3 ELECTRICAL DATA

(1) Electrical wiring





3.3.4 OUTLINE OF OPERATION CONTROL BY MICROCOMPUTER

Except for function relating to heating, same at the for SRK heat pump models. Refer to Page 225.

3.3.5 APPLICATION DATA

The application data for the cooling only models are similar to those for the heat pump models. Refer to Page 241.

3.3.6 MAINTENANCE DATA

Some at the cooling/heating equipment SRK heat pump models. Refer to Page 256.

3.3.7 REFRIGERANT PIPING INSTALLATION/SERVICING MANUAL FOR AIR CONDITIONERS USING R410A

This is same as chapter 1.1.7. Refer to Page 59.

4. INVERTER MULTI-SPLIT SYSTEM ROOM AIR-CONDITIONER[2room] (Air to air heat pump type)

(OUTDOOR UNIT) SCM45ZD-S

(INDOOR UNIT)

SKM22ZD-S STM25ZE-S SRRM25ZE-S SKM25ZD-S STM35ZE-S SRRM35ZE-S

SKM28ZD-S

SKM35ZD-S