

**Линейка кондиционеров Mitsubishi Heavy на
сезон 2002 года.**

**1. Настенные бытовые сплит-системы.
WALL MOUNTED TYPE ROOM AIR CONDITIONER**

тепло/холод	только охлаждение	инвертор
SRK 208 HENF-L	SRK 208 CENF-L	
	SRK 258 CENF-L	
SRK 288 HENF-L	SRK 288 CENF-L	SRK 25 GZ-L1
SRK 328 HENF-L2	SRK 328 CENF-L	
SRK 408 HENF-L3	SRK 408 CENF-L	SRK 35 GZ-L1
SRK 50 HA	SRK 50 CA	
SRK 56 HA	SRK 56 CA	SRK 502 Z-L

поддерживаются в наличии на складе в Москве в течении всего 2002 года.

SRK 501 HENF-L,
SRK 501 CENF-L,

SRK 561 HENF-L
SRK 561 CENF-L

поставлялись в 2001 году. Сняты с производства, поставки в 2002 году не планируются.

Указанные модели поставляются на фреоне R22. Возможна поставка на фреоне R407.

Информацию по моделям на R407, а также старым моделям Вы можете получить в компании Бьюфорт по тел. (095) 755-84-33.

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1.1 GENERAL INFORMATION

1.1.1 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 or heating equipment with operation control switch and the outdoor unit is composed of condensing unit with compressor.

(1) Remote control flap

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

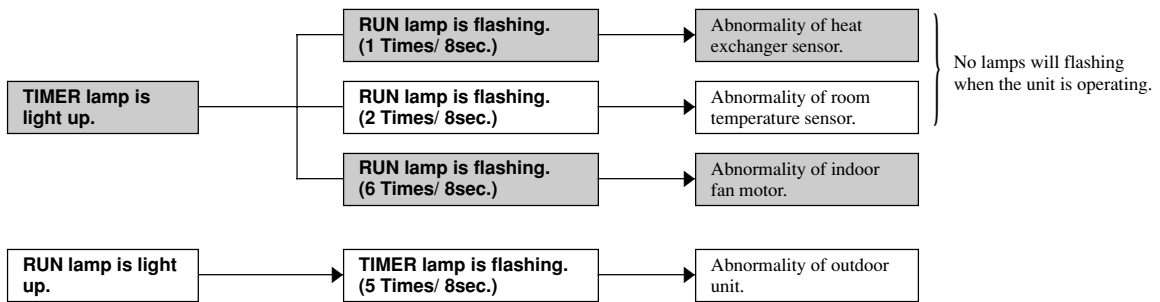
- AUTO (Natural flow) : Flap operation is automatically control.
- Swing : This will swing the flap up and down.
- Memory flap : Once the flap position is set, the unit memorizes the position and continues to operate at the same position from the next time.

(2) Automatic Operation

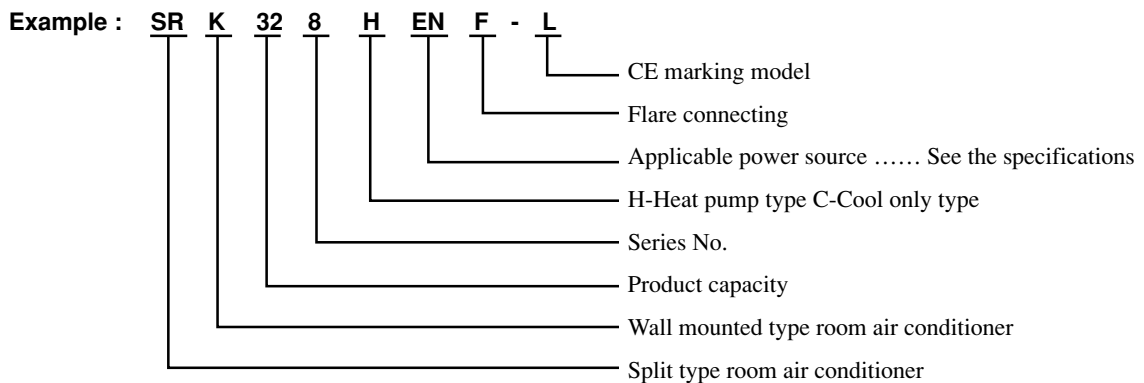
When the remote control switch is set on “auto”, it will either automatically decide operation mode such as cooling, heating and thermal dry, or operate in the operation mode before it has been turned to automatic control.

(3) 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.



1.1.2 How to read the model name



1.2 SELECTION DATA

1.2.1 Specifications

Model SRK208HENF-L (Indoor unit)
SRC208HENF-L (Outdoor unit)

Item		Model	SRK208HENF-L	SRC208HENF-L
Cooling capacity ⁽¹⁾		W	1800/1850	
Heating capacity ⁽¹⁾		W	2000/2050	
Power source			1 Phase, 220/240V, 50Hz	
Operation data ⁽¹⁾	Cooling input	kW	0.690/0.775	
	Running current (Cooling)	A	3.4/3.6	
	Heating input	kW	0.620/0.735	
	Running current (Heating)	A	3.0/3.4	
	Inrush current	A	17.3/18.9	
	COP (In cooling)		2.61/2.39	
	Noise level ⁽⁵⁾	dB(A)	Cooling: 36/37 Heating: 38/39	Cooling: 46/47 Heating: 47/48
Exterior dimensions				
Height x Width x Depth		mm	275 x 790 x 174	492 x 750 x 220
Color			Ivory white	Polar white
Net weight		kg	7.5	27
Refrigerant equipment				
Compressor type & Q'ty			-	RM5485GNE2 (Rotary type) x 1
Motor		kW	-	0.65
Starting method			-	Line starting
Heat exchanger			Louver fins & bare tubing	
Refrigerant control			Capillary tubes	
Refrigerant ⁽⁴⁾		kg	R22 0.62	
Refrigerant oil		ℓ	0.35 (BARREL FREEZE 32SAM)	
Defrost control			MC control	
Air handling equipment				
Fan type & Q'ty			Tangential fan x 1	Propeller fan x 1
Motor		W	16	17
Air flow (at High)	(Cooling)	CMM	7.0/7.0	21/22
	(Heating)		7.5/7.5	21/22
Air filter, Q'ty			Polypropylene net (washable) x 2	-
Shock & vibration absorber			-	Cushion rubber (for compressor)
Electric heater			-	-
Operation control				
Operation switch			Wireless-Remote controller	-
Room temperature control			MC. Thermostat	-
Pilot lamp			RUN (Green), TIMER (Yellow)	-
Safety equipment			-	Dome mounted protector (for compressor) Internal thermostat (for fan motor)
Refrigerant piping	O.D	mm(in)	Liquid line: ø6.35 (1/4") Gas line: ø9.52 (3/8")	
	Connecting method		Flare connecting	
	Attached length of piping		Liquid line: 0.4m Gas line: 0.35m	-
	Insulation		Necessary (Both sides)	
Drain hose			Connectable	
Power source cord			2.5m (3 cores with Earth)	
Connection wiring	Size x Core number		1.5mm ² x 5 cores (Including earth cable)	
	Connecting method		Terminal block (Screw fixing type)	
Accessories (included)			Mounting kit	
Optional parts			-	

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

Item	Indoor air temperature		Outdoor air temperature		Standards
	DB	WB	DB	WB	
Cooling	27°C	19°C	35°C	24°C	JIS C9612, ISO-T1
Heating	20°C	-	7°C	6°C	JIS C9612, ISO-T1

(2) The operation data are applied to the 220V or 240V districts respectively

(3) Limitation of Voltage application Minimum: 198V Maximum: 264V

(4) The refrigerant quantity to be charged includes the refrigerant in 7.5m connecting piping.

(Purging is not required even in the short piping.)

If the piping length is longer, (when it is less than 10 m, add 20g refrigerant per meter and when it is 10 to 15m, add 30g refrigerant per meter.)

(5) Expressed in sound pressure level.

Model SRK288HENF-L (Indoor unit)
SRC288HENF-L (Outdoor unit)

Item		Model	SRK288HENF-L	SRC288HENF-L
Cooling capacity ⁽¹⁾		W	2500/2500	
Heating capacity ⁽¹⁾		W	2900/3000	
Power source			1 Phase, 220/240V, 50Hz	
Operation data ⁽¹⁾	Cooling input	kW	0.930/1.005	
	Running current (Cooling)	A	4.5/4.6	
	Heating input	kW	0.83/0.91	
	Running current (Heating)	A	4.0/4.1	
	Inrush current	A	18.2/19.6	
	COP (In cooling)		2.69/2.49	
	Noise level ⁽⁵⁾	dB(A)	Cooling:38/39 Heating:38/41	Cooling:41/42 Heating:42/43
Exterior dimensions Height x Width x Depth		mm	275 x 790 x 174	542 x 795 x 255
Color			Off white	Polar white
Net weight		kg	7.5	33
Refrigerant equipment Compressor type & Q'ty			-	RM5512GNE1 (Rotary type) x 1
Motor		kW	-	0.9
Starting method			-	Line starting
Heat exchanger			Louver fins & inner grooved tubing	
Refrigerant control			Capillary tubes	
Refrigerant ⁽⁴⁾		kg	R22 0.88	
Refrigerant oil		ℓ	0.35 (SUNISO Z300HDS)	
Defrost control			MC control	
Air handling equipment Fan type & Q'ty			Tangential fan x 1	Propeller fan x 1
Motor		W	16	11
Air flow (at High)	(Cooling)	CMM	7.5/7.5	23
	(Heating)		8.0/8.0	23
Air filter, Q'ty			Polypropylene net (washable) x 2	-
Shock & vibration absorber			-	Cushion rubber (for compressor)
Electric heater			-	-
Operation control Operation switch			Wireless-Remote controller	-
Room temperature control			MC. Thermostat	-
Pilot lamp			RUN (Green), TIMER (Yellow)	-
Safety equipment			-	Dome mounted protector (for compressor) Internal thermostat (for fan motor)
Refrigerant piping	O.D	mm(in)	Liquid line: ϕ 6.35 (1/4") Gas line: ϕ 9.52 (3/8")	
	Connecting method		Flare connecting	
	Attached length of piping		Liquid line: 0.4m Gas line: 0.35m	-
	Insulation		Necessary (Both sides)	
Drain hose			Connectable	
Power source cord			2.5m (3 cores with Earth)	
Connection wiring	Size x Core number		1.5mm ² x 5 cores (Including earth cable)	
	Connecting method		Terminal block (Screw fixing type)	
Accessories (included)			Mounting kit	
Optional parts			-	

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

Item	Indoor air temperature		Outdoor air temperature		Standards
	DB	WB	DB	WB	
Cooling	27°C	19°C	35°C	24°C	JIS C9612, ISO-T1
Heating	20°C	-	7°C	6°C	JIS C9612, ISO-T1

(2) The operation data are applied to the 220V or 240V districts respectively

(3) Limitation of Voltage application Minimum: 198V Maximum: 264V

(4) The refrigerant quantity to be charged includes the refrigerant in 7.5m connecting piping.

(Purging is not required even in the short piping.)

If the piping length is longer, (when it is less 10 m, add 20g refrigerant per meter and when it is 10 to 15m, add 30g refrigerant per meter.)

(5) Expressed in sound pressure level.

Model SRK328HENF-L2 (Indoor unit)
SRC328HENF-L2 (Outdoor unit)

Item		Model	SRK328HENF-L2	SRC328HENF-L2
Cooling capacity ⁽¹⁾		W	3000/3000	
Heating capacity ⁽¹⁾		W	3800/3800	
Power source			1 Phase, 220/240V, 50Hz	
Operation data ⁽¹⁾	Cooling input	kW	1.39/1.49	
	Running current (Cooling)	A	6.9/6.9	
	Heating input	kW	1.19/1.32	
	Running current (Heating)	A	6.1/6.1	
	Inrush current	A	33.6/36.6	
	COP (In cooling)		2.16/2.01	
Noise level ⁽⁵⁾		dB(A)	Cooling: 40/42 Heating: 41/43	Cooling: 44/46 Heating: 45/47
Exterior dimensions				
Height x Width x Depth		mm	275 x 790 x 174	542 x 795 x 255
Color			Ivory white	Polar white
Net weight		kg	8	37
Refrigerant equipment				
Compressor type & Q'ty			-	RM5517GNE2 (Rotary type) x 1
Motor		kW	-	1.3
Starting method			-	Line starting
Heat exchanger			Louver fins & bare tubing	
Refrigerant control			Capillary tubes	
Refrigerant ⁽⁴⁾		kg	R22 0.74	
Refrigerant oil		ℓ	0.6 (BARREL FREEZE 32SAM)	
Defrost control			MC control	
Air handling equipment				
Fan type & Q'ty			Tangential fan x 1	Propeller fan x 1
Motor		W	16	15
Air flow (at High)	(Cooling)	CMM	8.5/8.5	24/24.5
	(Heating)		9.5/9.5	24/24.5
Air filter, Q'ty			Polypropylene net (washable) x 2	-
Shock & vibration absorber			-	Cushion rubber (for compressor)
Electric heater			-	-
Operation control				
Operation switch			Wireless-Remote controller	-
Room temperature control			MC. Thermostat	-
Pilot lamp			RUN (Green), TIMER (Yellow)	-
Safety equipment			-	Dome mounted protector (for compressor) Internal thermostat (for fan motor)
Refrigerant piping	O.D	mm(in)	Liquid line: ø6.35 (1/4") Gas line: ø12.7 (1/2")	
	Connecting method		Flare connecting	
	Attached length of piping		Liquid line: 0.4m Gas line : 0.35m	-
	Insulation		Necessary (Both sides)	
Drain hose			Connectable	
Power source cord			2.5m (3 cores with Earth)	
Connection wiring	Size x Core number		1.5mm ² x 5 cores (Including earth cable)	
	Connecting method		Terminal block (Screw fixing type)	
Accessories (included)			Mounting kit	
Optional parts			-	

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

Item	Indoor air temperature		Outdoor air temperature		Standards
	DB	WB	DB	WB	
Cooling	27°C	19°C	35°C	24°C	JIS C9612, ISO-T1
Heating	20°C	-	7°C	6°C	JIS C9612, ISO-T1

(2) The operation data are applied to the 220V or 240V districts respectively

(3) Limitation of Voltage application

Minimum: 198V Maximum: 264V

(4) The refrigerant quantity to be charged includes the refrigerant in 7.5m connecting piping.

(Purging is not required even in the short piping.)

If the piping length is longer, when it is 10 m, add 20g refrigerant per meter and when it is 10 to 15m, add 30g refrigerant per meter.

(5) Expressed in sound pressure level.

Model SRK408HENF-L3 (Indoor unit)
SRC408HENF-L3 (Outdoor unit)

Item		Model	SRK408HENF-L3	SRC408HENF-L3		
Cooling capacity ⁽¹⁾		W	3500/3500			
Heating capacity ⁽¹⁾		W	4100/4100			
Power source			1 Phase, 220/240V, 50Hz			
Operation data ⁽¹⁾	Cooling input		kW		1.320/1.405	
	Running current (Cooling)		A		6.4/6.4	
	Heating input		kW		1.335/1.460	
	Running current (Heating)		A		6.5/6.5	
	Inrush current		A		33.6/36.6	
	COP (In cooling)				2.65/2.49	
	Noise level	Cooling	Sound level	dB		Hi : 40/42 Lo : 31/32
Power level					Hi : 54/56 Lo : 45/46	61/63
Heating		Sound level			Hi : 41/43 Lo : 39/40	48/50
		Power level			Hi : 55/57 Lo : 53/54	62/64
Exterior dimensions Height x Width x Depth		mm	275 x 790 x 174		542 x 795 x 255	
Color			Ivory white		Polar white	
Net weight		kg	8		37	
Refrigerant equipment Compressor type & Q'ty			-		RM5516GNVE4 (Rotary type) x 1	
Motor		kW	-		1.3	
Starting method			-		Line starting	
Heat exchanger			Louver fins & bare tubing			
Refrigerant control			Capillary tubes			
Refrigerant ⁽⁴⁾		kg	R22 1.3			
Refrigerant oil		ℓ	0.6 (BARREL FREEZE 32SAM)			
Defrost control			MC control			
Air handling equipment Fan type & Q'ty			Tangential fan x 1		Propeller fan x 1	
Motor		W	16		18	
Air flow (at High)	(Cooling)	CMM	8.5/8.5		22/22.5	
	(Heating)		9.5/9.5		22/22.5	
Air filter, Q'ty			Polypropylene net (washable) x 2		-	
Shock & vibration absorber			-		Cushion rubber (for compressor)	
Operation control Operation switch			Wireless-Remote controller		-	
Room temperature control			MC. Thermostat		-	
Pilot lamp			RUN (Green), TIMER (Yellow)		-	
Safety equipment			-		Dome mounted protector (for compressor) Internal thermostat (for fan motor)	
Refrigerant piping	O.D	mm(in)	Liquid line: ø6.35 (1/4") Gas line: ø12.7 (1/2")			
	Connecting method		Flare connecting			
	Attached length of piping		Liquid line: 0.4m Gas line : 0.35m		-	
	Insulation		Necessary (Both sides)			
Drain hose			Connectable			
Power source cord			2.5m (3 cores with Earth)			
Connection wiring	Size x Core number		1.5mm ² x 5 cores (Including earth cable)			
	Connecting method		Terminal block (Screw fixing type)			
Accessories (included)			Mounting kit			
Optional parts			-			

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

Item	Indoor air temperature		Outdoor air temperature		Standards
	DB	WB	DB	WB	
Cooling	27°C	19°C	35°C	24°C	ISO-T1, JIS C9612
Heating	20°C	-	7°C	6°C	ISO-T1, JIS C9612

(2) The operation data are applied to the 220V or 240V districts respectively

(3) The refrigerant quantity to be charged includes the refrigerant in 7.5m connecting piping. (Purging is not required even in the short piping.)
If the piping length is longer, when it is 10 m, add 20g refrigerant per meter and when it is 10 to 15m, add 30g refrigerant per meter.

(4) When the unit is operated in cooling or dehumidification mode at the outside air temperature of 1°C and less, there is a possibility that water leakage occurs at the indoor unit.

Model SRK501HENF-L (Indoor unit)
SRC501HENF-L (Outdoor unit)

Item		Model	SRK501HENF-L	SRC501HENF-L
Cooling capacity ⁽¹⁾		W	4500/4500	
Heating capacity ⁽¹⁾		W	5700/5800	
Power source			1 Phase, 220/240V, 50Hz	
Operation data ⁽¹⁾	Cooling input	kW	1.78/1.88	
	Running current (Cooling)	A	8.4/8.2	
	Heating input	kW	1.76/1.89	
	Running current (Heating)	A	8.5/8.3	
	Inrush current	A	39/42	
	COP (In cooling)		2.53/2.39	
	Noise level ⁽⁵⁾	dB(A)	Cooling: 44/44 Heating: 45/45	Cooling: 50/51 Heating: 53/54
Exterior dimensions				
Height x Width x Depth		mm	275 x 790 x 189	615 x 850 x 290 + 30
Color			Ivory white	Polar white
Net weight		kg	9	53
Refrigerant equipment				
Compressor type & Q'ty			-	RM5523GNE4 (Rotary type) x 1
Motor		kW	-	1.7
Starting method			-	Line starting
Heat exchanger			Louver fins & bare tubing	
Refrigerant control			Capillary tubes	
Refrigerant ⁽⁴⁾		kg	R22 1.28	
Refrigerant oil		ℓ	0.7 (BARREL FREEZE 32SAM)	
Defrost control			MC control	
Air handling equipment				
Fan type & Q'ty			Tangential fan x 1	Propeller fan x 1
Motor		W	23	40
Air flow (at High)	(Cooling)	CMM	11/11	34/34
	(Heating)		12/12	34/34
Air filter, Q'ty			Polypropylene net (washable) x 2	-
Shock & vibration absorber			-	Cushion rubber (for compressor)
Electric heater			-	-
Operation control				
Operation switch			Wireless-Remote controller	-
Room temperature control			MC. Thermostat	-
Pilot lamp			RUN (Green), TIMER (Yellow), ECONO (Orange), HI POWER (Green)	-
Safety equipment			-	Dome mounted protector (for compressor) Internal thermostat (for fan motor)
Refrigerant piping	O.D	mm(in)	Liquid line: ø6.35 (1/4") Gas line: ø12.7 (1/2")	
	Connecting method		Flare connecting	
	Attached length of piping		Liquid line: 0.4m Gas line: 0.35m	-
	Insulation		Necessary (Both sides)	
Drain hose			Connectable	
Power source cord			2.5m (3 cores with Earth)	
Connection wiring	Size x Core number		1.5mm ² x 5 cores (With Earth)	
	Connecting method		Terminal block (Screw fixing type)	
Accessories (included)			Mounting kit	
Optional parts			-	

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

Item	Indoor air temperature		Outdoor air temperature		Standards
	DB	WB	DB	WB	
Cooling	27°C	19°C	35°C	24°C	JIS C9612, ISO-T1
Heating	20°C	-	7°C	6°C	JIS C9612, ISO-T1

(2) The operation data are applied to the 220V or 240V districts respectively

(3) Limitation of Voltage application Minimum: 198V Maximum: 264V

(4) The refrigerant quantity to be charged includes the refrigerant in 7.5m connecting piping.

(Purging is not required even in the short piping.)

If the piping length is longer, (when it is 10 m, add 20g refrigerant per meter and when it is 10 to 15m, add 30g refrigerant per meter.)

(5) Expressed in sound pressure level.

**Model SRK561HENF-L (Indoor unit)
SRC561HENF-L (Outdoor unit)**

Item		Model	SRK561HENF-L	SRC561HENF-L
Cooling capacity ⁽¹⁾		W	5000/5000	
Heating capacity ⁽¹⁾		W	6200/6300	
Power source			1 Phase, 220/240V, 50Hz	
Operation data ⁽¹⁾	Cooling input	kW	2.08/2.18	
	Running current (Cooling)	A	10.2/9.53	
	Heating input	kW	2.02/2.15	
	Running current (Heating)	A	10.5/9.95	
	Inrush current	A	44/48	
	COP (In cooling)		2.40/2.29	
	Noise level ⁽⁵⁾	dB(A)	Cooling: 45/45 Heating: 46/46	Cooling: 53/54 Heating: 54/56
Exterior dimensions				
Height x Width x Depth		mm	275 x 790 x 189	615 x 850 x 290 + 30
Color			Ivory white	Polar white
Net weight		kg	9	53
Refrigerant equipment				
Compressor type & Q'ty			-	RM5526GNE4 (Rotary type) x 1
Motor		kW	-	1.9
Starting method			-	Line starting
Heat exchanger			Louver fins & bare tubing	
Refrigerant control			Capillary tubes	
Refrigerant ⁽⁴⁾		kg	R22 1.35	
Refrigerant oil		ℓ	0.7 (BARREL FREEZE 32SAM)	
Defrost control			MC control	
Air handling equipment				
Fan type & Q'ty			Tangential fan x 1	Propeller fan x 1
Motor		W	23	40
Air flow (at High)	(Cooling)	CMM	12/12	34/34
	(Heating)		13/13	34/34
Air filter, Q'ty			Polypropylene net (washable) x 2	-
Shock & vibration absorber			-	Cushion rubber (for compressor)
Electric heater			-	-
Operation control				
Operation switch			Wireless-Remote controller	-
Room temperature control			MC. Thermostat	-
Pilot lamp			RUN (Green), TIMER (Yellow), ECONO (Orange), HI POWER (Green)	-
Safety equipment			-	Dome mounted protector (for compressor) Internal thermostat (for fan motor)
Refrigerant piping	O.D	mm(in)	Liquid line: ø6.35 (1/4") Gas line: ø12.7 (1/2")	
	Connecting method		Flare connecting	
	Attached length of piping		Liquid line: 0.4m Gas line: 0.35m	-
	Insulation		Necessary (Both sides)	
Drain hose			Connectable	
Power source cord			2.5m (3 cores with Earth)	
Connection wiring	Size x Core number		1.5mm ² x 5 cores (With Earth)	
	Connecting method		Terminal block (Screw fixing type)	
Accessories (included)			Mounting kit	
Optional parts			-	

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

Item	Indoor air temperature		Outdoor air temperature		Standards
	DB	WB	DB	WB	
Operation					
Cooling	27°C	19°C	35°C	24°C	JIS C9612, ISO-T1
Heating	20°C	-	7°C	6°C	JIS C9612, ISO-T1

(2) The operation data are applied to the 220V or 240V districts respectively

(3) Limitation of Voltage application Minimum: 198V Maximum: 264V

(4) The refrigerant quantity to be charged includes the refrigerant in 7.5m connecting piping.

(Purging is not required even in the short piping.)

If the piping length is longer, (when it is 10 m, add 20g refrigerant per meter and when it is 10 to 15m, add 30g refrigerant per meter.)

(5) Expressed in sound pressure level.

Model SRK50A (Indoor unit)
SRC50HA (Outdoor unit)

Item		Model	SRK50A	SRC50HA	
Cooling capacity ⁽¹⁾		W	4500		
Heating capacity ⁽¹⁾		W	5700		
Power source			1 Phase, 220/230/240V, 50Hz		
Operation data ⁽¹⁾	Cooling input		kW	1.79	
	Running current (Cooling)		A	8.4/8.0/7.7	
	Heating input		kW	1.83	
	Running current (Heating)		A	8.5/8.1/7.9	
	Inrush current		A	39/41/42	
	COP (In cooling)			2.51	
	Noise level	Cooling	Sound level	Hi : 44 Lo : 37	51
Power level			Hi : 58 Lo : 51	65	
Heating		Sound level	Hi : 45 Lo : 38	53	
		Power level	Hi : 59 Lo : 52	67	
Exterior dimensions Height x Width x Depth		mm	298 x 798 x 203	640 x 850 x 290	
Color			Stucco white	Stucco white	
Net weight		kg	10	45	
Refrigerant equipment Compressor type & Q'ty			-	RM5523GNE4 (Rotary type) x 1	
Motor		kW	-	1.7	
Starting method			-	Line starting	
Heat exchanger			Louver fins & grooved tubing		
Refrigerant control			Capillary tubes		
Refrigerant ⁽³⁾		kg	R22 1.45		
Refrigerant oil		ℓ	0.7 (BARREL FREEZE 32SAM)		
Defrost control			MC control		
Air handling equipment Fan type & Q'ty			Tangential fan x 1	Propeller fan x 1	
Motor		W	23	35	
Air flow (at High)	(Cooling)	CMM	11	39	
	(Heating)		13	39	
Air filter, Q'ty			Polypropylene net (washable) x 2	-	
Shock & vibration absorber			-	Cushion rubber (for compressor)	
Operation control Operation switch			Wireless-Remote controller	-	
Room temperature control			MC. Thermostat	-	
Pilot lamp			RUN (Green), TIMER (Yellow), ECONO (Orange), HI POWER (Green)	-	
Safety equipment			-	Dome mounted protector (for compressor) Internal thermostat (for fan motor)	
Refrigerant piping	O.D	mm(in)	Liquid line: ø6.35 (1/4") Gas line: ø12.7 (1/2")		
	Connecting method		Flare connecting		
	Attached length of piping		Liquid line: 0.5m	Gas line: 0.43m	-
	Insulation		Necessary (Both sides)		
Drain hose			Connectable		
Power source cord			3m (3 cores with Earth)		
Connection wiring	Size x Core number		1.5mm ² x 5 cores (With Earth)		
	Connecting method		Terminal block (Screw fixing type)		
Accessories (included)			Mounting kit		
Optional parts			-		

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

Item	Indoor air temperature		Outdoor air temperature		Standards
	DB	WB	DB	WB	
Cooling	27°C	19°C	35°C	24°C	ISO-T1, JIS C9612
Heating	20°C	-	7°C	6°C	ISO-T1, JIS C9612

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

(3) The refrigerant quantity to be charged includes the refrigerant in 7 m connecting piping. (Purging is not required even in the short piping.)
If the piping length is longer. (When it is 7 to 15 m, add 20 g refrigerant per meter.)

(4) When the unit is operated in cooling or dehumidification mode at the outside air temperature of 1°C and less, there is a possibility that water leakage occurs at the indoor unit.

Model SRK56A (Indoor unit)
SRC56HA (Outdoor unit)

Item		Model	SRK56A	SRC56HA	
Cooling capacity ⁽¹⁾		W	5000		
Heating capacity ⁽¹⁾		W	6200		
Power source			1 Phase, 220/230/240V, 50Hz		
Operation data ⁽¹⁾	Cooling input		kW	2.08	
	Running current (Cooling)		A	9.7/9.3/8.9	
	Heating input		kW	2.10	
	Running current (Heating)		A	9.8/9.4/9.0	
	Inrush current		A	44/46/48	
	COP (In cooling)			2.40	
	Noise level	Cooling	Sound level	Hi : 45 Lo : 38	51
			Power level	Hi : 59 Lo : 52	65
Heating		Sound level	Hi : 45 Lo : 38	53	
		Power level	Hi : 59 Lo : 52	67	
Exterior dimensions Height x Width x Depth		mm	298 x 798 x 203	640 x 850 x 290	
Color			Stucco white	Stucco white	
Net weight		kg	10	45	
Refrigerant equipment Compressor type & Q'ty			-	RM5526GNE4 (Rotary type) x 1	
Motor		kW	-	1.9	
Starting method			-	Line starting	
Heat exchanger			Louver fins & grooved tubing		
Refrigerant control			Capillary tubes		
Refrigerant ⁽³⁾		kg	R22 1.45		
Refrigerant oil		ℓ	0.7 (BARREL FREEZE 32SAM)		
Defrost control			MC control		
Air handling equipment Fan type & Q'ty			Tangential fan x 1	Propeller fan x 1	
Motor		W	23	35	
Air flow (at High)	(Cooling)	CMM	11	39	
	(Heating)		13	39	
Air filter, Q'ty			Polypropylene net (washable) x 2	-	
Shock & vibration absorber			-	Cushion rubber (for compressor)	
Operation control Operation switch			Wireless-Remote controller	-	
Room temperature control			MC. Thermostat	-	
Pilot lamp			RUN (Green), TIMER (Yellow), ECONO (Orange), HI POWER (Green)	-	
Safety equipment			-	Dome mounted protector (for compressor) Internal thermostat (for fan motor)	
Refrigerant piping	O.D	mm(in)	Liquid line: ø6.35 (1/4") Gas line: ø12.7 (1/2")		
	Connecting method		Flare connecting		
	Attached length of piping		Liquid line: 0.5m	Gas line: 0.43m	-
	Insulation		Necessary (Both sides)		
Drain hose			Connectable		
Power source cord			3m (3 cores with Earth)		
Connection wiring	Size x Core number		1.5mm ² x 5 cores (With Earth)		
	Connecting method		Terminal block (Screw fixing type)		
Accessories (included)			Mounting kit		
Optional parts			-		

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

Item	Indoor air temperature		Outdoor air temperature		Standards
	DB	WB	DB	WB	
Cooling	27°C	19°C	35°C	24°C	ISO-T1, JIS C9612
Heating	20°C	-	7°C	6°C	ISO-T1, JIS C9612

- (2) The operation data are applied to the 220V, 230V or 240V districts respectively
- (3) The refrigerant quantity to be charged includes the refrigerant in 7 m connecting piping. (Purging is not required even in the short piping.)
If the piping length is longer. (When it is 7 to 15 m, add 20 g refrigerant per meter.)
- (4) When the unit is operated in cooling or dehumidification mode at the outside air temperature of 1°C and less, there is a possibility that water leakage occurs at the indoor unit.

Model SRK208CENF-L (Indoor unit)
SRC208CENF-L (Outdoor unit)

Item		Model	SRK208CENF-L	SRC208CENF-L	
Cooling capacity ⁽¹⁾		W	1800/1850		
Power source			1 Phase, 220/240 V, 50 Hz		
Operation data ⁽¹⁾	Cooling input	kW	0.54/0.58		
	Running current (Cooling)	A	2.5/2.6		
	Inrush current	A	11.7/12.8		
	COP (In cooling)		3.33/3.19		
	Noise level ⁽⁵⁾	dB (A)	36/37	44/45	
Exterior dimensions		mm	275 × 790 × 174	492 × 750 × 220	
Height × Width × Depth					
Color			Ivory white	Polar white	
Net weight		kg	7.5	24	
Refrigerant equipment					
Compressor types & Q'ty			–	RM5470GNE5 (Rotary type) × 1	
Motor		kW	–	0.55	
Starting method			–	Line starting	
Heat exchanger			Louver fins & tubing		
Refrigerant control			Capillary tubes		
Refrigerant ⁽⁴⁾		kg	R22 0.57		
Refrigerant oil		ℓ	0.3 (BARREL FREEZE 32SAM)		
Air handling equipment					
Fan type & Q'ty			Tangential fan × 1	Propeller fan × 1	
Motor		W	16	17	
Air flow (at High)		CMM	7/7	19.5/20.5	
Air filter, Q'ty			Polypropylene net (washable) × 2	–	
Shock & vibration absorber			–	Cushion rubber (for compressor)	
Electric heater			–	–	
Operation control					
Operation switch			Wireless-Remote controller	–	
Room temperature control			MC. Thermostat	–	
Pilot lamp			RUN (Green), TIMER (Yellow)	–	
Safety equipment			–	Dome mounted protector (for compressor) Internal thermostat (for fan motor)	
Refrigerant piping	O.D	mm (in)	Liquid line: φ6.35 (1/4") Gas line: φ9.52 (3/8")		
	Connecting method		Flare connecting		
	Attached length of piping		Liquid line: 0.4 m Gas line : 0.35 m	–	
	Insulation		Necessary (Both sides)		
Drain hose			Connectable		
Power source cord			2.5 m (3 cores with Earth)		
Connection wiring	Size × Core number		1.5 mm ² × 3 cores (Including earth cable)		
	Connecting method		Terminal block (Screw fixing type)		
Accessories (included)			Mounting kit		
Optional parts			–		

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

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

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

(3) Limitation of Voltage application

Minimum: 198 V Maximum: 264 V

(4) The refrigerant quantity to be charged includes the refrigerant in 7.5 m connecting piping.

(Purging is not required even in the short piping.)

If the piping length is longer, (when it is less than 10 m, add 10 g refrigerant per meter and when it is 10 to 15 m, add 30 g refrigerant per meter.)

(5) Expressed in sound pressure level.

Model SRK258CENF-L (Indoor unit)
SRC258CENF-L (Outdoor unit)

Item		Model	SRK258CENF-L	SRC258CENF-L	
Cooling capacity ⁽¹⁾		W	2200/2250		
Power source			1 Phase, 220/240 V, 50 Hz		
Operation data ⁽¹⁾	Cooling input	kW	0.66/0.74		
	Running current (Cooling)	A	3.3/3.4		
	Inrush current	A	17.3/18.9		
	COP (In cooling)		3.33/3.04		
	Noise level ⁽⁵⁾	dB (A)	38/39	41/42	
Exterior dimensions		mm	275 × 790 × 174	542 × 795 × 255	
Height × Width × Depth					
Color			Ivory white	Polar white	
Net weight		kg	7.5	31	
Refrigerant equipment					
Compressor types & Q'ty			–	RM5485GNE1 (Rotary type) × 1	
Motor		kW	–	0.6	
Starting method			–	Line starting	
Heat exchanger			Louver fins & inner grooved tubing		
Refrigerant control			Capillary tubes		
Refrigerant ⁽⁴⁾		kg	R22 0.71		
Refrigerant oil		ℓ	0.3 (BARREL FREEZE 32SAM)		
Air handling equipment					
Fan type & Q'ty			Tangential fan × 1	Propeller fan × 1	
Motor		W	16	11	
Air flow (at High)		CMM	7.5/7.5	22/22	
Air filter, Q'ty			Polypropylene net (washable) × 2	–	
Shock & vibration absorber			–	Cushion rubber (for compressor)	
Electric heater			–	–	
Operation control					
Operation switch			Wireless-Remote controller	–	
Room temperature control			MC. Thermostat	–	
Pilot lamp			RUN (Green), TIMER (Yellow)	–	
Safety equipment			–	Dome mounted protector (for compressor) Internal thermostat (for fan motor)	
Refrigerant piping	O.D	mm (in)	Liquid line: φ6.35 (1/4") Gas line: φ9.52 (3/8")		
	Connecting method		Flare connecting		
	Attached length of piping		Liquid line: 0.4 m Gas line : 0.35 m	–	
	Insulation		Necessary (Both sides)		
Drain hose			Connectable		
Power source cord			2.5 m (3 cores with Earth)		
Connection wiring	Size × Core number		1.5 mm ² × 3 cores (Including earth cable)		
	Connecting method		Terminal block (Screw fixing type)		
Accessories (included)			Mounting kit		
Optional parts			–		

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

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

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

(3) Limitation of Voltage application

Minimum: 198 V Maximum: 264 V

(4) The refrigerant quantity to be charged includes the refrigerant in 7.5 m connecting piping.

(Purging is not required even in the short piping.)

If the piping length is longer, (when it is less than 10 m, add 10 g refrigerant per meter and when it is 10 to 15 m, add 30 g refrigerant per meter.)

(5) Expressed in sound pressure level.

Model SRK288CENF-L (Indoor unit)
SRC288CENF-L (Outdoor unit)

Item		Model	SRK288CENF-L	SRC288CENF-L
Cooling capacity ⁽¹⁾		W	2500/2550	
Power source			1 Phase, 220/240 V, 50 Hz	
Operation data ⁽¹⁾	Cooling input	kW	0.87/0.95	
	Running current (Cooling)	A	4.1/4.2	
	Inrush current	A	18.2/19.6	
	COP (In cooling)		2.87/2.68	
	Noise level ⁽⁵⁾	dB (A)	38/39	41/42
Exterior dimensions		mm	275 × 790 × 174	542 × 795 × 255
Height × Width × Depth				
Color			Ivory white	Polar white
Net weight		kg	7.5	33
Refrigerant equipment			–	RM5512GNE1 (Rotary type) × 1
Compressor types & Q'ty				
Motor		kW	–	0.9
Starting method			–	Line starting
Heat exchanger			Louver fins & inner grooved tubing	
Refrigerant control			Capillary tubes	
Refrigerant ⁽⁴⁾		kg	R22 0.75	
Refrigerant oil		ℓ	0.35 (BARREL FREEZE 32SAM)	
Air handling equipment			Tangential fan × 1	Propeller fan × 1
Fan type & Q'ty				
Motor		W	16	11
Air flow (at High)		CMM	7.5/7.5	22/22
Air filter, Q'ty			Polypropylene net (washable) × 2	–
Shock & vibration absorber			–	Cushion rubber (for compressor)
Electric heater			–	–
Operation control			Wireless-Remote controller	–
Operation switch				
Room temperature control			MC. Thermostat	–
Pilot lamp			RUN (Green), TIMER (Yellow)	–
Safety equipment			–	Dome mounted protector (for compressor) Internal thermostat (for fan motor)
Refrigerant piping	O.D	mm (in)	Liquid line: φ6.35 (1/4") Gas line: φ9.52 (3/8")	
	Connecting method		Flare connecting	
	Attached length of piping		Liquid line: 0.4 m Gas line : 0.35 m	–
	Insulation		Necessary (Both sides)	
Drain hose			Connectable	
Power source cord			2.5 m (3 cores with Earth)	
Connection wiring	Size × Core number		1.5 mm ² × 3 cores (Including earth cable)	
	Connecting method		Terminal block (Screw fixing type)	
Accessories (included)			Mounting kit	
Optional parts			–	

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

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

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

(3) Limitation of Voltage application

Minimum: 198 V Maximum: 264 V

(4) The refrigerant quantity to be charged includes the refrigerant in 7.5 m connecting piping.

(Purging is not required even in the short piping.)

If the piping length is longer, (when it is less than 10 m, add 10 g refrigerant per meter and when it is 10 to 15 m, add 30 g refrigerant per meter.)

(5) Expressed in sound pressure level.

Model SRK328CENF-L (Indoor unit)
SRC328CENF-L (Outdoor unit)

Item		Model	SRK328CENF-L	SRC328CENF-L	
Cooling capacity ⁽¹⁾		W	2750/2750		
Power source			1 Phase, 220/240 V, 50 Hz		
Operation data ⁽¹⁾	Cooling input	kW	0.93/0.99		
	Running current (Cooling)	A	4.3/4.4		
	Inrush current	A	18.2/19.6		
	COP (In cooling)		2.96/2.78		
	Noise level ⁽⁵⁾	dB (A)	40/42	42/44	
Exterior dimensions		mm	275 × 790 × 174	542 × 795 × 255	
Height × Width × Depth					
Color			Ivory white	Polar white	
Net weight		kg	8	33	
Refrigerant equipment					
Compressor types & Q'ty			–	RM5512GNE1 (Rotary type) × 1	
Motor		kW	–	0.9	
Starting method			–	Line starting	
Heat exchanger			Louver fins & tubing		
Refrigerant control			Capillary tubes		
Refrigerant ⁽⁴⁾		kg	R22 0.7		
Refrigerant oil		ℓ	0.35 (BARREL FREEZE 32SAM)		
Air handling equipment					
Fan type & Q'ty			Tangential fan × 1	Propeller fan × 1	
Motor		W	16	9	
Air flow (at High)		CMM	8.5/8.5	22/22.5	
Air filter, Q'ty			Polypropylene net (washable) × 2	–	
Shock & vibration absorber			–	Cushion rubber (for compressor)	
Electric heater			–	–	
Operation control					
Operation switch			Wireless-Remote controller	–	
Room temperature control			MC. Thermostat	–	
Pilot lamp			RUN (Green), TIMER (Yellow)	–	
Safety equipment			–	Dome mounted protector (for compressor) Internal thermostat (for fan motor)	
Refrigerant piping	O.D	mm (in)	Liquid line: φ6.35 (1/4") Gas line: φ12.7 (1/2")		
	Connecting method		Flare connecting		
	Attached length of piping		Liquid line: 0.4 m Gas line : 0.35 m	–	
	Insulation		Necessary (Both sides)		
Drain hose		Connectable			
Power source cord		2.5 m (3 cores with Earth)			
Connection wiring	Size × Core number	1.5 mm ² × 3 cores (Including earth cable)			
	Connecting method	Terminal block (Screw fixing type)			
Accessories (included)		Mounting kit			
Optional parts		–			

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

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

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

(3) Limitation of Voltage application

Minimum: 198 V Maximum: 264 V

(4) The refrigerant quantity to be charged includes the refrigerant in 7.5 m connecting piping.

(Purging is not required even in the short piping.)

If the piping length is longer, (when it is less than 10 m, add 10 g refrigerant per meter and when it is 10 to 15 m, add 30 g refrigerant per meter.)

(5) Expressed in sound pressure level.

Model SRK408CENF-L (Indoor unit)
SRC408CENF-L (Outdoor unit)

Item		Model	SRK408CENF-L	SRC408CENF-L	
Cooling capacity ⁽¹⁾		W	3500/3500		
Power source			1 Phase, 220/240 V, 50 Hz		
Operation data ⁽¹⁾	Cooling input	kW	1.320/1.405		
	Running current (Cooling)	A	6.4/6.4		
	Inrush current	A	33.6/36.6		
	COP (In cooling)		2.65/2.49		
	Noise level ⁽⁵⁾	dB (A)	40/42	47/49	
Exterior dimensions		mm	275 × 790 × 174	542 × 795 × 255	
Height × Width × Depth					
Color			Ivory white	Polar white	
Net weight		kg	8	37	
Refrigerant equipment					
Compressor types & Q'ty			–	RM5517GNE4 (Rotary type) × 1	
Motor		kW	–	1.3	
Starting method			–	Line starting	
Heat exchanger			Louver fins & tubing		
Refrigerant control			Capillary tubes		
Refrigerant ⁽⁴⁾		kg	R22 1.3		
Refrigerant oil		ℓ	0.6 (BARREL FREEZE 32SAM)		
Air handling equipment					
Fan type & Q'ty			Tangential fan × 1	Propeller fan × 1	
Motor		W	16	18	
Air flow (at High)		CMM	8.5/8.5	22/22.5	
Air filter, Q'ty			Polypropylene net (washable) × 2	–	
Shock & vibration absorber			–	Cushion rubber (for compressor)	
Electric heater			–	–	
Operation control					
Operation switch			Wireless-Remote controller	–	
Room temperature control			MC. Thermostat	–	
Pilot lamp			RUN (Green), TIMER (Yellow)	–	
Safety equipment			–	Dome mounted protector (for compressor) Internal thermostat (for fan motor)	
Refrigerant piping	O.D	mm (in)	Liquid line: φ6.35 (1/4") Gas line: φ12.7 (1/2")		
	Connecting method		Flare connecting		
	Attached length of piping		Liquid line: 0.4 m Gas line : 0.35 m	–	
	Insulation		Necessary (Both sides)		
Drain hose			Connectable		
Power source cord			2.5 m (3 cores with Earth)		
Connection wiring	Size × Core number		1.5 mm ² × 3 cores (Including earth cable)		
	Connecting method		Terminal block (Screw fixing type)		
Accessories (included)			Mounting kit		
Optional parts			–		

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

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

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

(3) Limitation of Voltage application

Minimum: 198 V Maximum: 264 V

(4) The refrigerant quantity to be charged includes the refrigerant in 7.5 m connecting piping.

(Purging is not required even in the short piping.)

If the piping length is longer, (when it is less than 10 m, add 10 g refrigerant per meter and when it is 10 to 15 m, add 30 g refrigerant per meter.)

(5) Expressed in sound pressure level.

Model SRK501CENF-L (Indoor unit)
SRC501CENF-L (Outdoor unit)

Item		Model	SRK501CENF-L	SRC501CENF-L	
Cooling capacity ⁽¹⁾		W	4500/4500		
Power source			1 Phase, 220/240V, 50 Hz		
Operation data ⁽¹⁾	Cooling input	kW	1.78/1.88		
	Running current (Cooling)	A	8.4/8.2		
	Inrush current	A	39/42		
	COP (In cooling)		2.53/2.39		
	Noise level ⁽⁵⁾	dB (A)	44/44	50/51	
Exterior dimensions Height × Width × Depth		mm	275 × 790 × 189	615 × 850 × 290 + 30	
Color			Ivory white	Polar white	
Net weight		kg	9	52	
Refrigerant equipment Compressor types & Q'ty			–	RM5523GNE4 (Rotary type) × 1	
Motor		kW	–	1.7	
Starting method			–	Line starting	
Heat exchanger			Louver fins & tubing		
Refrigerant control			Capillary tubes		
Refrigerant ⁽⁴⁾		kg	R22 1.28		
Refrigerant oil		ℓ	0.7 (BARREL FREEZE 32SAM)		
Air handling equipment Fan type & Q'ty			Tangential fan × 1	Propeller fan × 1	
Motor		W	23	40	
Air flow (at High)		CMM	11/11	34/34	
Air filter, Q'ty			Polypropylene net (washable) × 2	–	
Shock & vibration absorber			–	Cushion rubber (for compressor)	
Electric heater			–	–	
Operation control Operation switch			Wireless-Remote controller	–	
Room temperature control			MC. Thermostat	–	
Pilot lamp			RUN (Green), TIMER (Yellow), ECONO (Orange), HI POWER (Green)	–	
Safety equipment			–	Dome mounted protector (for compressor) Internal thermostat (for fan motor)	
Refrigerant piping	O.D	mm (in)	Liquid line: φ6.35 (1/4") Gas line: φ12.7 (1/2")		
	Connecting method		Flare connecting		
	Attached length of piping		Liquid line: 0.4m Gas line : 0.35m	–	
	Insulation		Necessary (Both sides)		
	Drain hose		Connectable		
Power source cord		2.5 m (3 cores with Earth)			
Connection wiring	Size × Core number	1.5 mm ² × 3 cores (Including earth cable)			
	Connecting method	Terminal block (Screw fixing type)			
Accessories (included)		Mounting kit			
Optional parts		–			

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

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

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

(3) Limitation of Voltage application

Minimum: 198 V Maximum: 264 V

(4) The refrigerant quantity to be charged includes the refrigerant in 7.5 m connecting piping.

(Purging is not required even in the short piping.)

If the piping length is longer, (when it is less than 10 m, add 10 g refrigerant per meter and when it is 10 to 15 m, add 30 g refrigerant per meter.)

(5) Expressed in sound pressure level.

Model SRK561CENF-L (Indoor unit)
SRC561CENF-L (Outdoor unit)

Item		Model	SRK561CENF-L	SRC561CENF-L	
Cooling capacity ⁽¹⁾		W	5000/5000		
Power source			1 Phase, 220/240V, 50 Hz		
Operation data ⁽¹⁾	Cooling input	kW	2.08/2.18		
	Running current (Cooling)	A	10.2/9.53		
	Inrush current	A	44/48		
	COP (In cooling)		2.40/2.29		
	Noise level ⁽⁵⁾	dB (A)	45/45	53/54	
Exterior dimensions		mm	275 × 790 × 189	615 × 850 × 290 + 30	
Height × Width × Depth					
Color			Ivory white	Polar white	
Net weight		kg	9	52	
Refrigerant equipment					
Compressor types & Q'ty			–	RM5526GNE4 (Rotary type) × 1	
Motor		kW	–	1.9	
Starting method			–	Line starting	
Heat exchanger			Louver fins & tubing		
Refrigerant control			Capillary tubes		
Refrigerant ⁽⁴⁾		kg	R22 1.35		
Refrigerant oil		ℓ	0.7 (BARREL FREEZE 32SAM)		
Air handling equipment			Tangential fan × 1	Propeller fan × 1	
Fan type & Q'ty					
Motor		W	23	40	
Air flow (at High)		CMM	12/12	34/34	
Air filter, Q'ty			Polypropylene net (washable) × 2	–	
Shock & vibration absorber			–	Cushion rubber (for compressor)	
Electric heater			–	–	
Operation control			Wireless-Remote controller	–	
Operation switch				–	
Room temperature control			MC. Thermostat	–	
Pilot lamp			RUN (Green), TIMER (Yellow), ECONO (Orange), HI POWER (Green)	–	
Safety equipment			–	Dome mounted protector (for compressor) Internal thermostat (for fan motor)	
Refrigerant piping	O.D	mm (in)	Liquid line: φ6.35 (1/4") Gas line: φ12.7 (1/2")		
	Connecting method		Flare connecting		
	Attached length of piping		Liquid line: 0.4m Gas line : 0.35m	–	
	Insulation		Necessary (Both sides)		
Drain hose			Connectable		
Power source cord			2.5 m (3 cores with Earth)		
Connection wiring	Size × Core number		1.5 mm ² × 3 cores (Including earth cable)		
	Connecting method		Terminal block (Screw fixing type)		
Accessories (included)			Mounting kit		
Optional parts			–		

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

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

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

(3) Limitation of Voltage application

Minimum: 198 V Maximum: 264 V

(4) The refrigerant quantity to be charged includes the refrigerant in 7.5 m connecting piping.

(Purging is not required even in the short piping.)

If the piping length is longer, (when it is less than 10 m, add 10 g refrigerant per meter and when it is 10 to 15 m, add 30 g refrigerant per meter.)

(5) Expressed in sound pressure level.

Model SRK50A (Indoor unit)
SRC50CA (Outdoor unit)

Item		Model	SRK50A	SRC50CA	
Cooling capacity ⁽¹⁾		W	4500		
Power source			1 Phase, 220/230/240V, 50 Hz		
Operation data ⁽¹⁾	Cooling input	kW	1.79		
	Running current (Cooling)	A	8.4/8.0/7.7		
	Inrush current	A	39/41/42		
	COP (In cooling)		2.51		
	Noise level	Sound level Power level	dB	Hi : 44 Lo : 37 Hi : 58 Lo : 51	51 65
Exterior dimensions Height × Width × Depth		mm	298 × 798 × 203	640 × 850 × 290	
Color			Noble white	Stucco white	
Net weight		kg	10	44	
Refrigerant equipment Compressor types & Q'ty			–	RM5523GNE4 (Rotary type) × 1	
Motor		kW	–	1.7	
Starting method			–	Line starting	
Heat exchanger			Louver fins & grooved tubing		
Refrigerant control			Capillary tubes		
Refrigerant ⁽²⁾		kg	R22 1.45		
Refrigerant oil		ℓ	0.7 (BARREL FREEZE 32SAM)		
Air handling equipment Fan type & Q'ty			Tangential fan × 1	Propeller fan × 1	
Motor		W	23	35	
Air flow (at High)		CMM	11	39	
Air filter, Q'ty			Polypropylene net (washable) × 2	–	
Shock & vibration absorber			–	Cushion rubber (for compressor)	
Electric heater			–	–	
Operation control Operation switch			Wireless-Remote controller	–	
Room temperature control			MC. Thermostat	–	
Pilot lamp			RUN (Green), TIMER (Yellow), ECONO (Orange), HI POWER (Green)	–	
Safety equipment			–	Dome mounted protector (for compressor) Internal thermostat (for fan motor)	
Refrigerant piping	O.D	mm (in)	Liquid line: φ6.35 (1/4") Gas line: φ12.7 (1/2")		
	Connecting method		Flare connecting		
	Attached length of piping		Liquid line: 0.5m Gas line : 0.43m	–	
	Insulation		Necessary (Both sides)		
Drain hose		Connectable			
Power source cord		3 m (3 cores with Earth)			
Connection wiring	Size × Core number	1.5 mm ² × 3 cores (Including earth cable)			
	Connecting method	Terminal block (Screw fixing type)			
Accessories (included)		Mounting kit			
Optional parts		–			

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

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

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

(3) The refrigerant quantity to be charged includes the refrigerant in 7 m connecting piping.

(Purging is not required even in the short piping.)

If the piping length is longer, (When it is 7 to 15 m, add 20 g refrigerant per meter.)

(4) When the unit is operated in cooling or dehumidification mode at the outside air temperature of 1°C and less, there is a possibility that water leakage occurs at the indoor unit.

Model SRK56A (Indoor unit)
SRC56CA (Outdoor unit)

Item		Model	SRK56A	SRC56CA
Cooling capacity ⁽¹⁾		W	5000	
Power source			1 Phase, 220/230/240V, 50 Hz	
Operation data ⁽¹⁾	Cooling input	kW	2.08	
	Running current (Cooling)	A	9.7/9.3/8.7	
	Inrush current	A	44/46/48	
	COP (In cooling)		2.40	
	Noise level	Sound level	dB	Hi : 45 Lo : 38
Power level		Hi : 59 Lo : 52		68
Exterior dimensions		mm	298 × 798 × 203	640 × 850 × 290
Height × Width × Depth				
Color			Noble white	Stucco white
Net weight		kg	10	44
Refrigerant equipment				
Compressor types & Q'ty			–	RM5526GNE4 (Rotary type) × 1
Motor		kW	–	1.9
Starting method			–	Line starting
Heat exchanger			Louver fins & grooved tubing	
Refrigerant control			Capillary tubes	
Refrigerant ⁽³⁾		kg	R22 1.45	
Refrigerant oil		ℓ	0.7 (BARREL FREEZE 32SAM)	
Air handling equipment			Tangential fan × 1	Propeller fan × 1
Fan type & Q'ty				
Motor		W	23	35
Air flow (at High)		CMM	11	39
Air filter, Q'ty			Polypropylene net (washable) × 2	–
Shock & vibration absorber			–	Cushion rubber (for compressor)
Electric heater			–	–
Operation control			Wireless-Remote controller	–
Operation switch				
Room temperature control			MC. Thermostat	–
Pilot lamp			RUN (Green), TIMER (Yellow), ECONO (Orange), HI POWER (Green)	–
Safety equipment			–	Dome mounted protector (for compressor) Internal thermostat (for fan motor)
Refrigerant piping	O.D	mm (in)	Liquid line: φ6.35 (1/4") Gas line: φ12.7 (1/2")	
	Connecting method		Flare connecting	
	Attached length of piping		Liquid line: 0.5m Gas line : 0.43m	–
	Insulation		Necessary (Both sides)	
Drain hose			Connectable	
Power source cord			3 m (3 cores with Earth)	
Connection wiring	Size × Core number		1.5 mm ² × 3 cores (Including earth cable)	
	Connecting method		Terminal block (Screw fixing type)	
Accessories (included)			Mounting kit	
Optional parts			–	

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

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 C9612

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

(3) The refrigerant quantity to be charged includes the refrigerant in 7 m connecting piping.

(Purging is not required even in the short piping.)

If the piping length is longer, (When it is 7 to 15 m, add 20 g refrigerant per meter.)

(4) When the unit is operated in cooling or dehumidification mode at the outside air temperature of 1°C and less, there is a possibility that water leakage occurs at the indoor unit.

1.2 SELECTION DATA

1.2.1 Specifications

Model SRK25GZ-L1 (Indoor unit)
SRC25GZ-L1 (Outdoor unit)

Item		Model	SRK25GZ-L1	SRC25GZ-L1	
Cooling capacity ⁽¹⁾		W	2500 [900~2900]		
Heating capacity ⁽¹⁾		W	3400 [900~4000]		
Power source			1 Phase, 220/240V, 50Hz		
Operation data ⁽¹⁾	Cooling input	kW	0.96 [0.31~1.22]		
	Running current (Cooling)	A	4.8		
	Heating input	kW	1.17 [0.28~1.35]		
	Running current (Heating)	A	5.8		
	Inrush current	A	5.8		
	COP (In cooling)		2.60		
Noise level		dB (A)	Cooling: 38 Heating: 39	Cooling: 46 Heating: 46	
Exterior dimensions					
Height × Width × Depth		mm	250 × 750 × 178	540 × 645 × 245	
Color			Ivory white	Polar white	
Net weight		kg	7.5	28	
Refrigerant equipment					
Compressor type & Q'ty			–	RM5465GA1 (Rotary type) × 1	
Motor		kW	–	0.75	
Starting method			–	Line starting	
Heat exchanger			Louver fins & bare tubing		
Refrigerant control			Capillary tubes		
Refrigerant ⁽⁴⁾		kg	R22 0.64 (Pre-Charged up to the piping length of 5m)		
Refrigerant oil		ℓ	0.35 (BARREL FREEZE 32SAM)		
Deice control			MC control		
Air handling equipment					
Fan type & Q'ty			Tangential fan × 1	Propeller fan × 1	
Motor		W	18	20	
Air flow (at High)	(Cooling)	CMM	7.0	21	
	(Heating)		7.5	21	
Air filter, Q'ty			Polypropylene net (washable) × 2	–	
Shock & vibration absorber			–	Cushion rubber (for compressor)	
Electric heater			–	–	
Operation control					
Operation switch			Wireless-Remote controller	–	
Room temperature control			MC. Thermostat	–	
Pilot lamp			RUN (Green), TIMER (Yellow)		
Safety equipment			Compressor: Overheat protection, heating overload protection (High pressure control), overcurrent protection, serial signal error protection, indoor fan motor error protection		
Refrigerant piping	O.D	mm (in)	Liquid line: φ6.35 (1/4") Gas line: φ9.52 (3/8")		
	Connecting method		Flare connecting		
	Attached length of piping		Liquid line: 0.4 m Gas line : 0.35 m	–	
	Insulation		Necessary (Both sides)		
Drain hose			Connectable		
Power source cord			2.5 m (3 cores with Earth)		
Connection wiring	Size × Core number		1.5 mm ² × 4 cores (Including earth cable)		
	Connecting method		Terminal block (Screw fixing type)		
Accessories (included)			Mounting kit		
Optional parts			–		

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

Operation	Item	Indoor air temperature		Outdoor air temperature		Standards
		DB	WB	DB	WB	
Cooling		27°C	19°C	35°C	24°C	JIS C9612, ISO-T1
		20°C	–	7°C	6°C	
Heating		20°C	–	7°C	6°C	JIS C9612, ISO-T1

(2) The values for performance and power consumption shown in brackets [~] indicate the range from minimum to maximum.

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

(4) Limitation of Voltage application Minimum: 198V Maximum: 264V

(5) The refrigerant quantity to be charged includes the refrigerant in 5 m connecting piping.

(Purging is not required even in the short piping.)

If the piping length is longer,

(When it is 5 to 15 m, add 20 g refrigerant per meter.)

Model SRK35GZ-L1 (Indoor unit)
SRC35GZ-L1 (Outdoor unit)

Item		Model	SRK35GZ-L1	SRC35GZ-L1	
Cooling capacity ⁽¹⁾		W	3650 [900-3900]		
Heating capacity ⁽¹⁾		W	4800 [900-6100]		
Power source			1 Phase, 220/240V, 50Hz		
Operation data ⁽¹⁾	Cooling input	kW	1.24 [0.35-1.60]		
	Running current (Cooling)	A	6.3		
	Heating input	kW	1.52 [0.35-2.10]		
	Running current (Heating)	A	7.7		
	Inrush current	A	7.7		
	COP (Cooling)		2.94		
	Noise level	dB (A)	Cooling: 39 Heating: 42	Cooling: 46 Heating: 47	
Exterior dimensions					
Height × Width × Depth		mm	275 × 790 × 174	542 × 795 × 255	
Color			Ivory white	Polar white	
Net weight		kg	8	35	
Refrigerant equipment					
Compressor type & Q'ty			-	RM5485GAE3 [Rotary type] × 1	
Motor		kW	-	0.75	
Starting method			-	Line starting	
Heat exchanger			Louver fins & bare tubing		
Refrigerant control			Capillary tubes		
Refrigerant ⁽⁴⁾		kg	R22 1.1 (Pre-Charged up to the piping length of 5m)		
Refrigerant oil		ℓ	0.35 (BARREL FREEZE 32SAM)		
Deice control			MC control		
Air handling equipment					
Fan type & Q'ty			Tangential fan × 1	Propeller fan × 1	
Motor		W	16	18	
Air flow (at High)	(Cooling)	CMM	7	24	
	(Heating)		10	24	
Air filter, Q'ty			Polypropylene net (washable) × 2	-	
Shock & vibration absorber			-	Cushion rubber (for compressor)	
Electric heater			-	-	
Operation control					
Operation switch			Wireless-Remote controller	-	
Room temperature control			MC. Thermostat	-	
Pilot lamp			RUN (Green), TIMER (Yellow)		
Safety equipment			Compressor: Overheat protection, heating overload protection (High pressure control), overcurrent protection, frosting protection, serial signal error protection, indoor fan motor error protection		
Refrigerant piping	O.D	mm (in)	Liquid line: φ6.35 (1/4") Gas line: φ12.7 (1/2")		
	Connecting method		Flare connecting		
	Attached length of piping		Liquid line: 0.4 m Gas line : 0.35 m	-	
	Insulation		Necessary (Both sides)		
Drain hose			Connectable		
Power source cord			2.5 m (3 cores with Earth)		
Connection wiring	Size × Core number		1.5 mm ² × 4 cores (Including earth cable)		
	Connecting method		Terminal block (Screw fixing type)		
Accessories (included)			Mounting kit		
Optional parts			-		

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

Operation	Item	Indoor air temperature		Outdoor air temperature		Standards
		DB	WB	DB	WB	
Cooling		27°C	19°C	35°C	24°C	JIS C9612, ISO-T1
Heating		20°C	-	7°C	6°C	JIS C9612, ISO-T1

(2) The values for performance and power consumption shown in brackets [~] indicate the range from minimum to maximum.

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

(4) Limitation of Voltage application Minimum: 198V Maximum: 264V

(5) The refrigerant quantity to be charged includes the refrigerant in 5 m connecting piping.

(Purging is not required even in the short piping.)

If the piping length is longer,

(When it is 5 to 15 m, add 20 g refrigerant per meter.)

Model SRK502Z-L (Indoor unit)
SRC502Z-L (Outdoor unit)

Item		Model	SRK502Z-L	SRC502Z-L	
Cooling capacity ⁽¹⁾		W	5000 [900-5600]		
Heating capacity ⁽¹⁾		W	6700 [900~7900]		
Power source			1 Phase, 220/240V, 50Hz		
Operation data ⁽¹⁾	Cooling input	kW	2.22 [0.17~2.65]		
	Running current (Cooling)	A	10.2		
	Heating input	kW	2.50 [0.145~2.55]		
	Running current (Heating)	A	11.5		
	Inrush current	A	11.5		
	COP (Cooling)		2.25		
	Noise level	dB (A)	Cooling: 43 Heating: 43	Cooling: 48 Heating: 48	
Exterior dimensions					
Height × Width × Depth		mm	275 × 790 × 189	595 × 720 × 290	
Color			Ivory white	Polar white	
Net weight		kg	9	36	
Refrigerant equipment					
Compressor type & Q'ty			-	GR5490FD4 [Scroll type] × 1	
Motor		kW	-	1.5	
Starting method			-	Line starting	
Heat exchanger			Louver fins & bare tubing		
Refrigerant control			Electric expansion valve		
Refrigerant ⁽⁴⁾		kg	R22 1.24 (Pre-Charged up to the piping length of 7m)		
Refrigerant oil		ℓ	0.35 (BARREL FREEZE 32SAM)		
Deice control			MC control		
Air handling equipment					
Fan type & Q'ty			Tangential fan × 1	Propeller fan × 1	
Motor		W	26	35	
Air flow (at High)	(Cooling)	CMM	10	26	
	(Heating)		10.5	30	
Air filter, Q'ty			Polypropylene net (washable) × 2	-	
Shock & vibration absorber			-	Cushion rubber (for compressor)	
Electric heater			-	-	
Operation control					
Operation switch			Wireless-Remote controller	-	
Room temperature control			MC. Thermostat	-	
Pilot lamp			RUN (Green), TIMER (Yellow), ECONO (Orange), HI POWER (Green)		
Safety equipment			Compressor: Overheat protection, heating overload protection (High pressure control), overcurrent protection, frosting protection, serial signal error protection, indoor fan motor error protection, Comp. rotor lock		
Refrigerant piping	O.D	mm (in)	Liquid line: φ6.35 (1/4") Gas line: φ12.7 (1/2")		
	Connecting method		Flare connecting		
	Attached length of piping		Liquid line: 0.4 m Gas line : 0.35 m	-	
	Insulation		Necessary (Both sides)		
Drain hose			Connectable		
Power source cord			2.5 m (3 cores with Earth)		
Connection wiring	Size × Core number		1.5 mm ² × 4 cores (Including earth cable)		
	Connecting method		Terminal block (Screw fixing type)		
Accessories (included)			Mounting kit		
Optional parts			-		

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

Operation	Item	Indoor air temperature		Outdoor air temperature		Standards
		DB	WB	DB	WB	
Cooling		27°C	19°C	35°C	24°C	JIS C9612, ISO-T1
Heating		20°C	-	7°C	6°C	JIS C9612, ISO-T1

(2) The values for performance and power consumption shown in brackets [-] indicate the range from minimum to maximum.

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

(4) Limitation of Voltage application Minimum: 198V Maximum: 264V

(5) The refrigerant quantity to be charged includes the refrigerant in 7 m connecting piping.

(Purging is not required even in the short piping.)

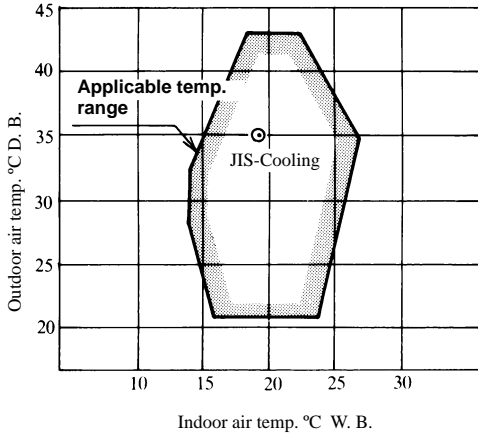
If the piping length is longer,

(When it is 7 to 25 m, add 20 g refrigerant per meter.)

1.2.2 Range of usage & limitations

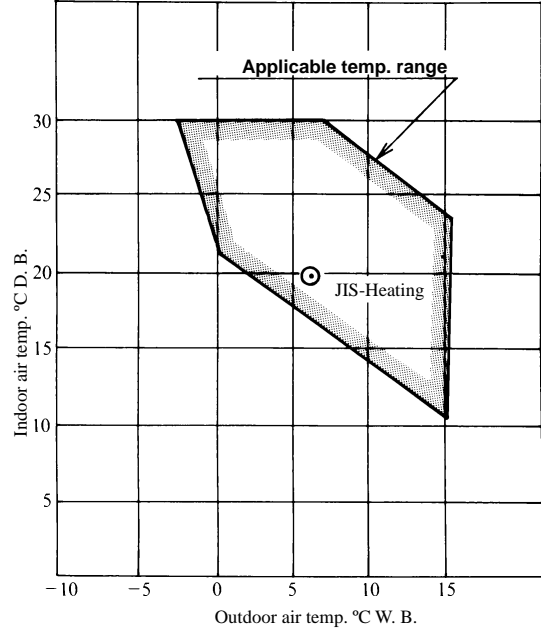
(1) Inlet air temperature

(a) Cooling operation



Note: The chart is the result from the continuous operation under constant air temperature conditions, however, excludes the initial pull-down stage.

(b) Heating operating



Note: The chart is the result from the continuous operation under constant air temperature conditions, however, excludes the initial pull-down stage and any possible defrost cycles.

(2) Total one way piping length and vertical height difference.

Models		All models
Item		
Total one way piping length (m)		15
Vertical height difference (m)	Outdoor unit is higher	5
	Outdoor unit is lower	5

(3) Voltage application

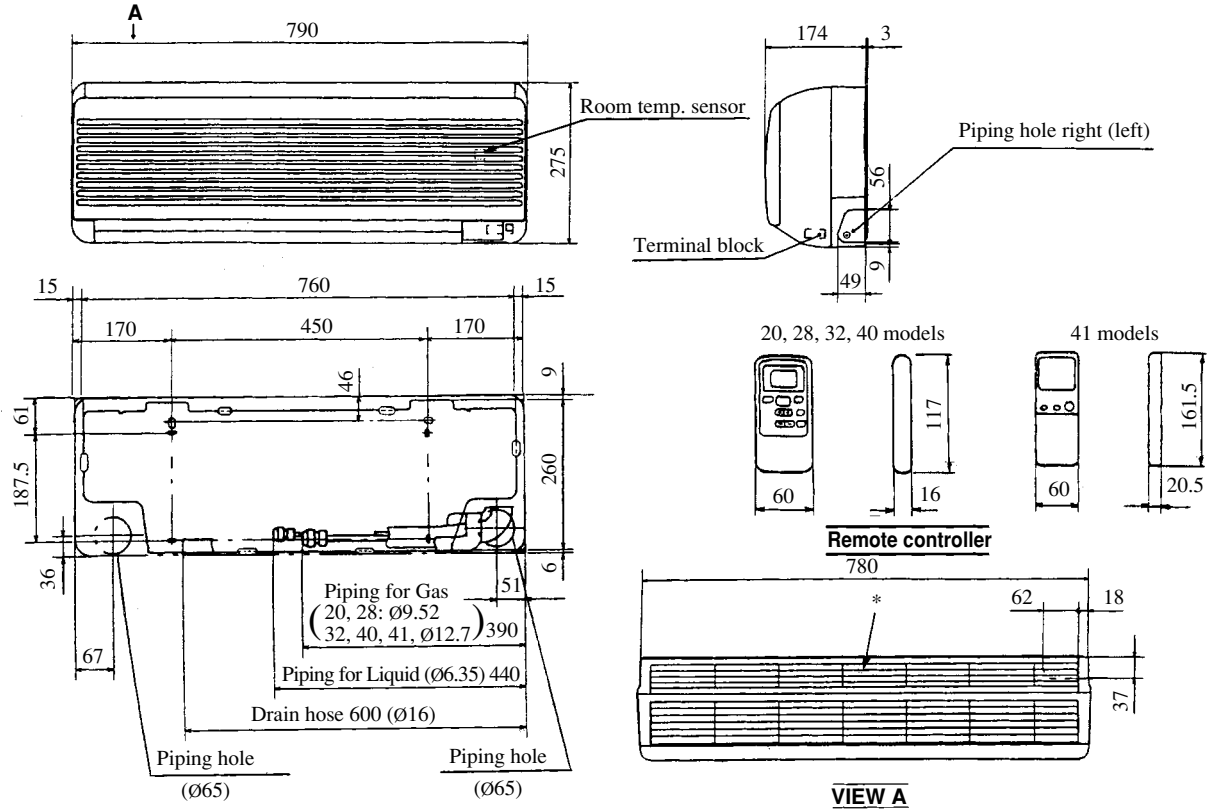
Models		All models
Item		
Minimum (V)		198
Maximum (V)		264

1.2.3 Exterior dimensions

(1) Indoor unit

Models SRK 208, 288, 328, 408 -HENF, -CENF, 258CENF

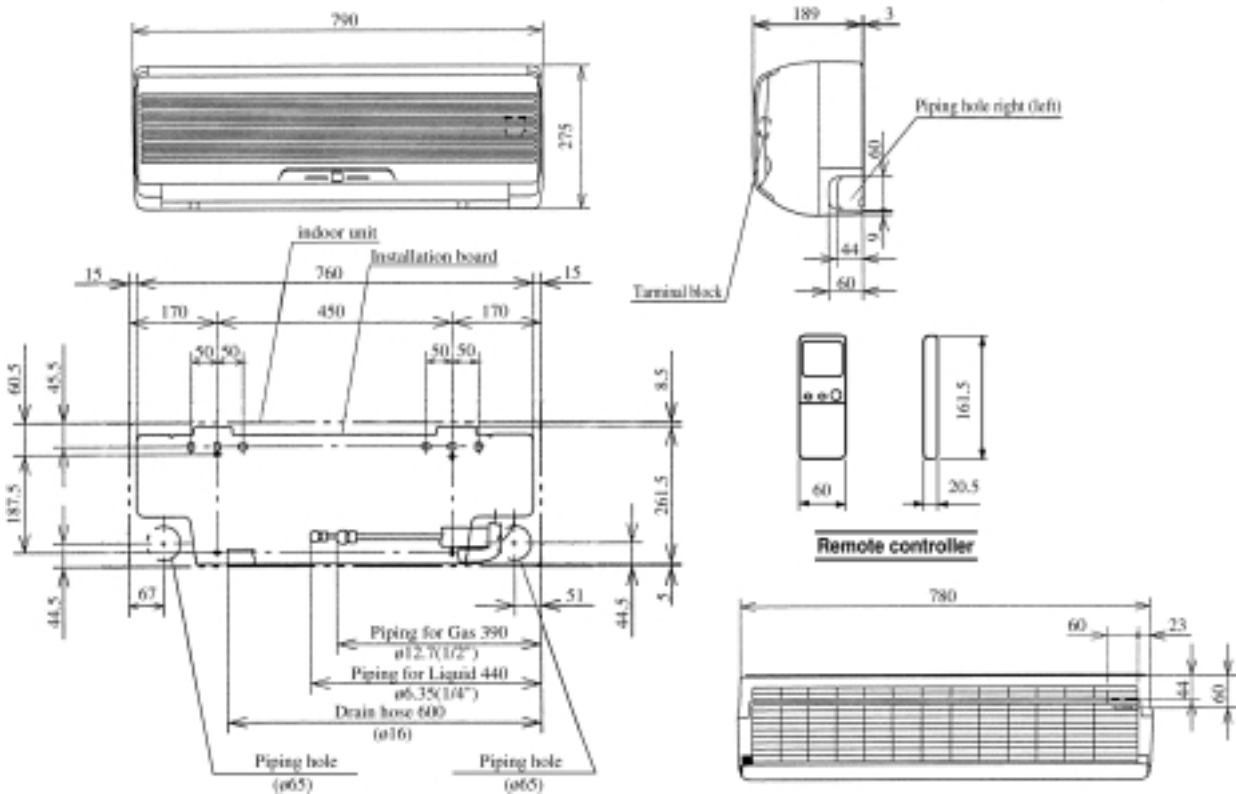
Unit: mm



NOTE(1) Models 20 and 28 have no inlet opening indicated by * mark.

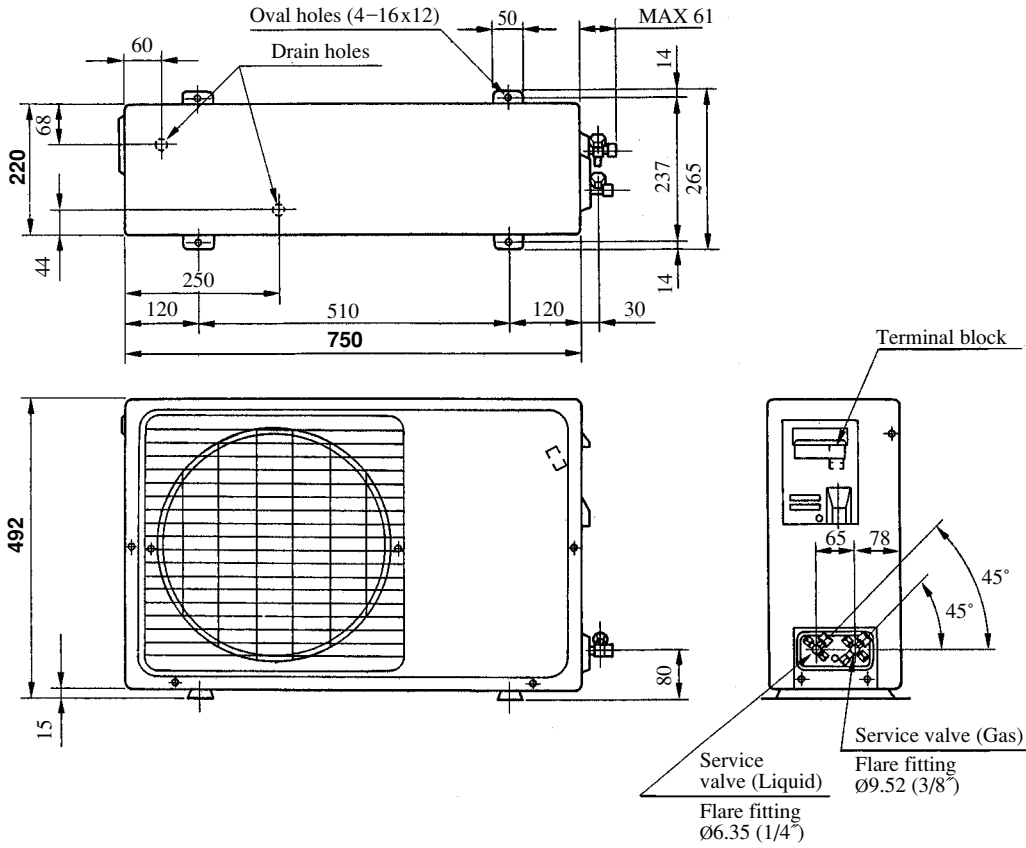
Models SRK501H(C)ENF-L, 561H(C)ENF-L

Unit: mm



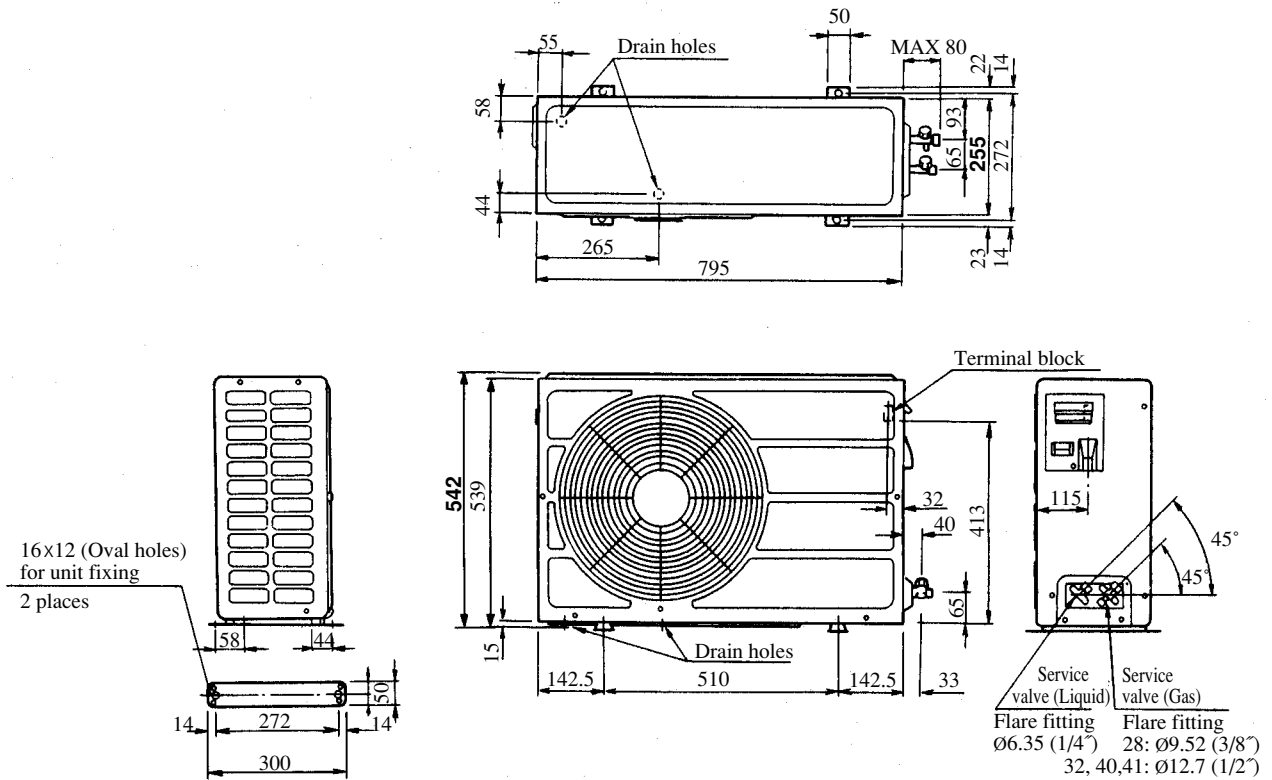
(2) Outdoor unit
 Model SRC208 H(C) ENF-L

Unit: mm



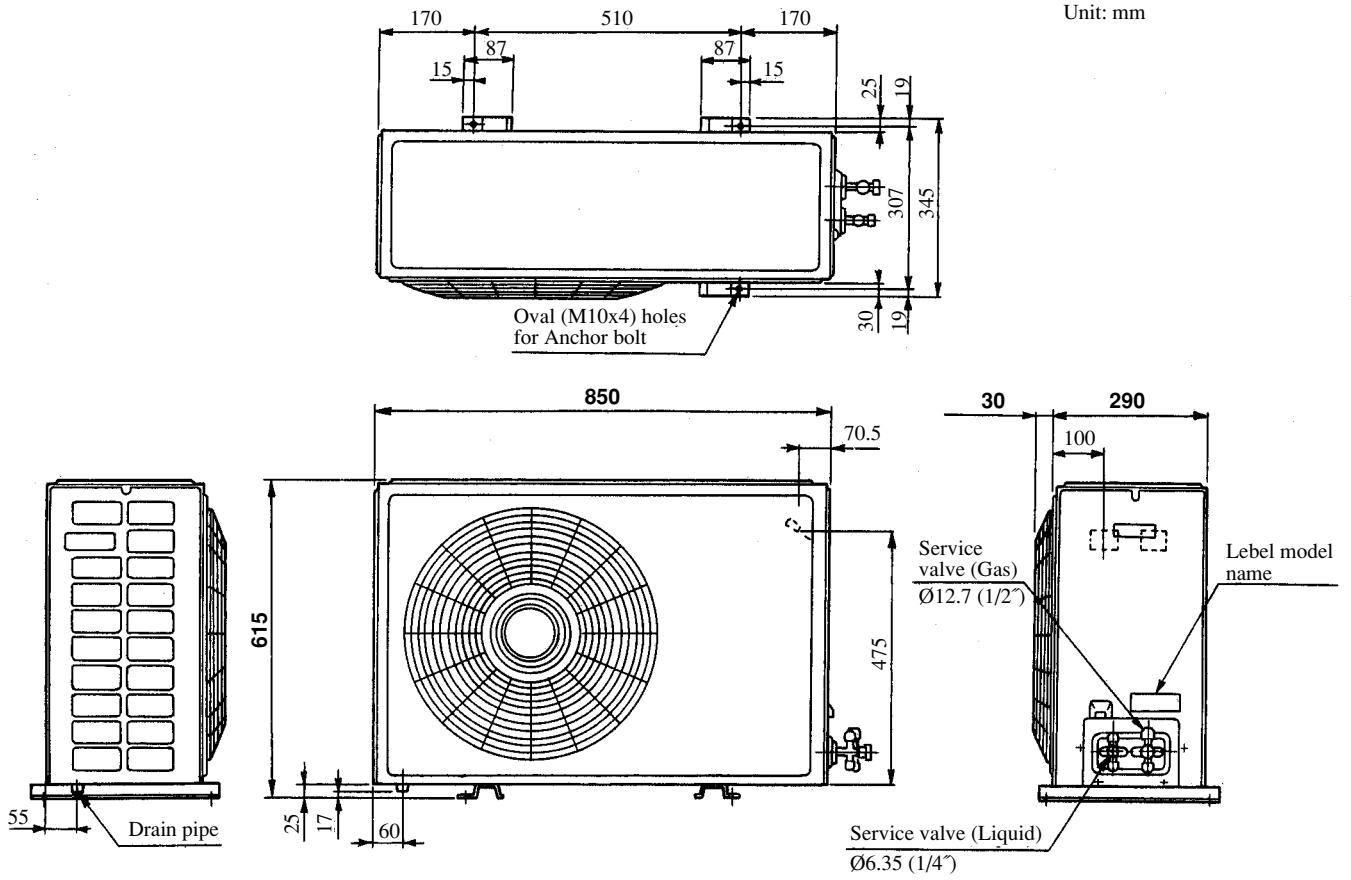
Models SRC 288, 328, 408 -HENF -CENF, 258 CENF

Unit: mm

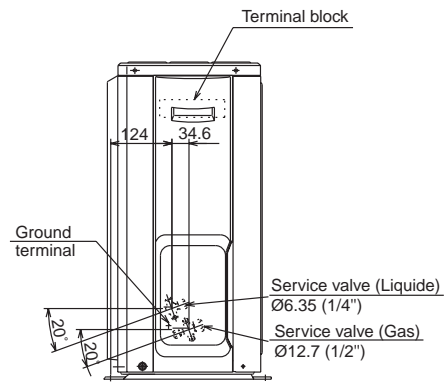
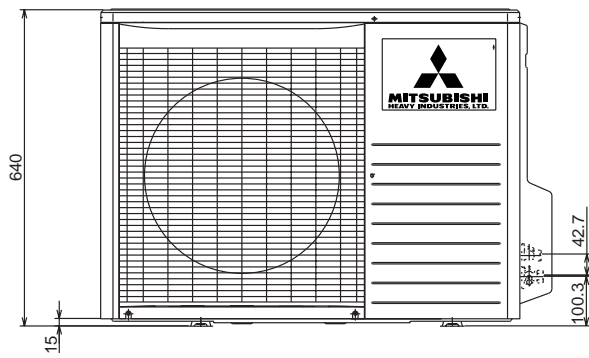
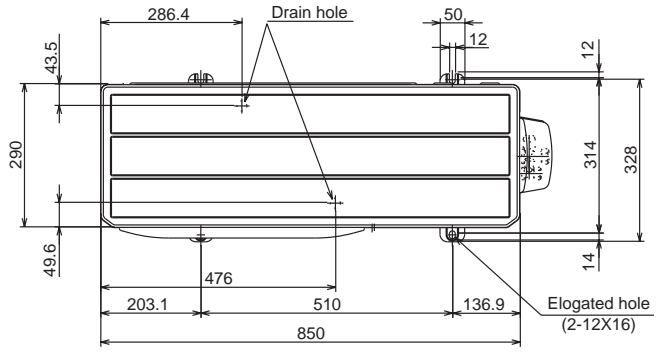


Models SRC501H(C)ENF, 561H(C)ENF

Unit: mm



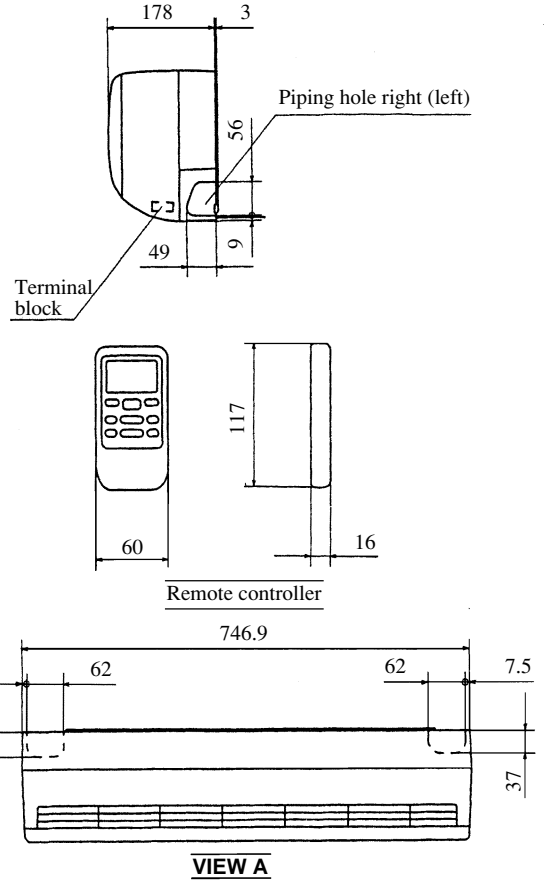
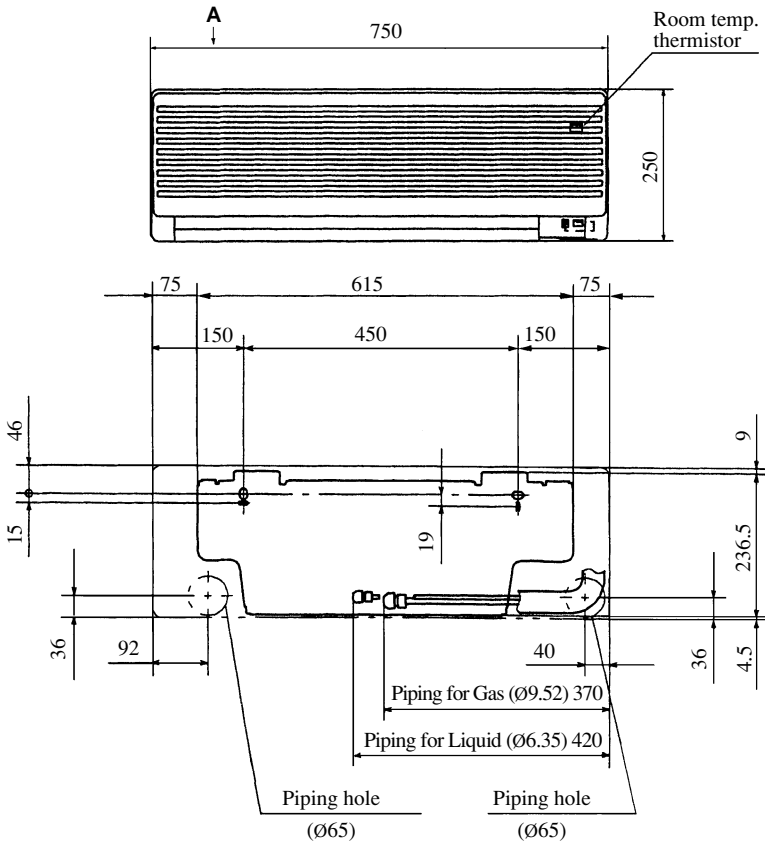
Models SRC50C(H)A, 56C(H)A



1.2.3 Exterior dimensions

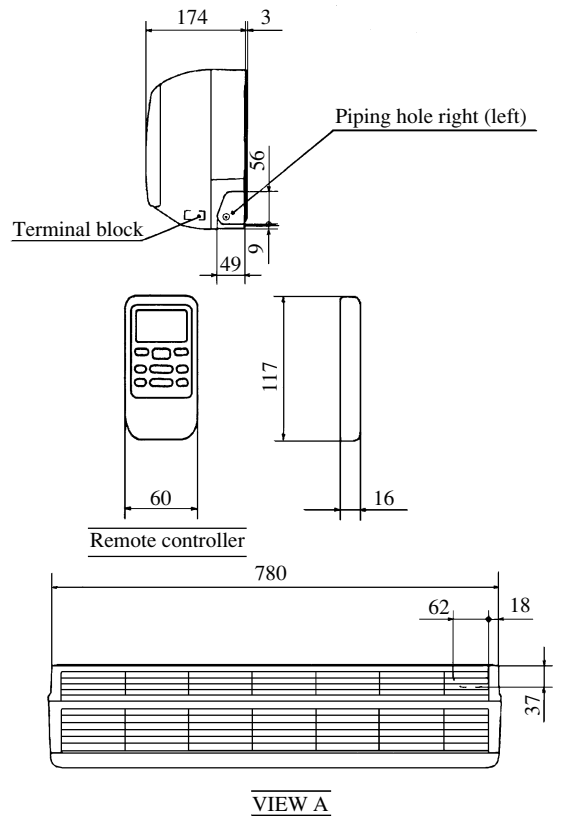
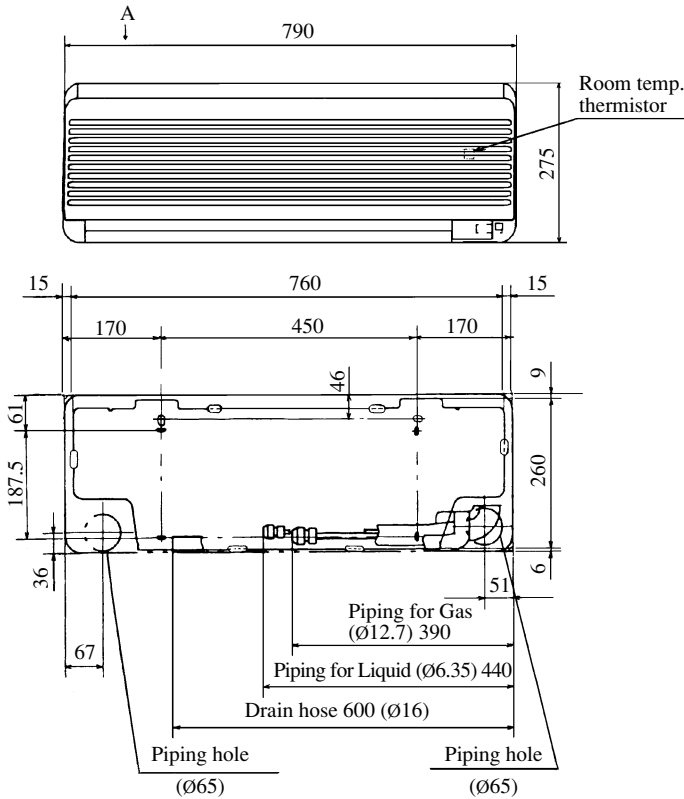
(1) Indoor unit
Model SRK25GZ-L1

Unit: mm



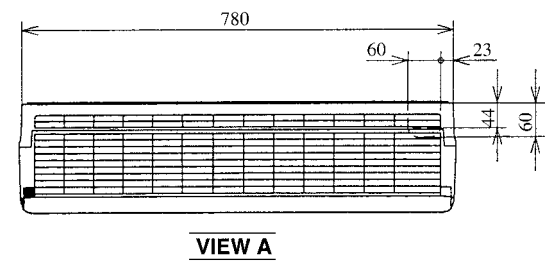
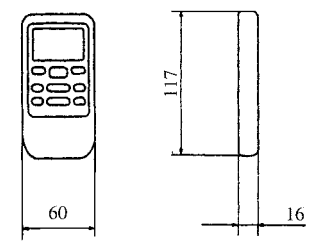
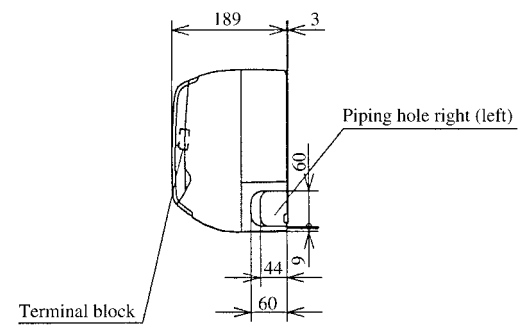
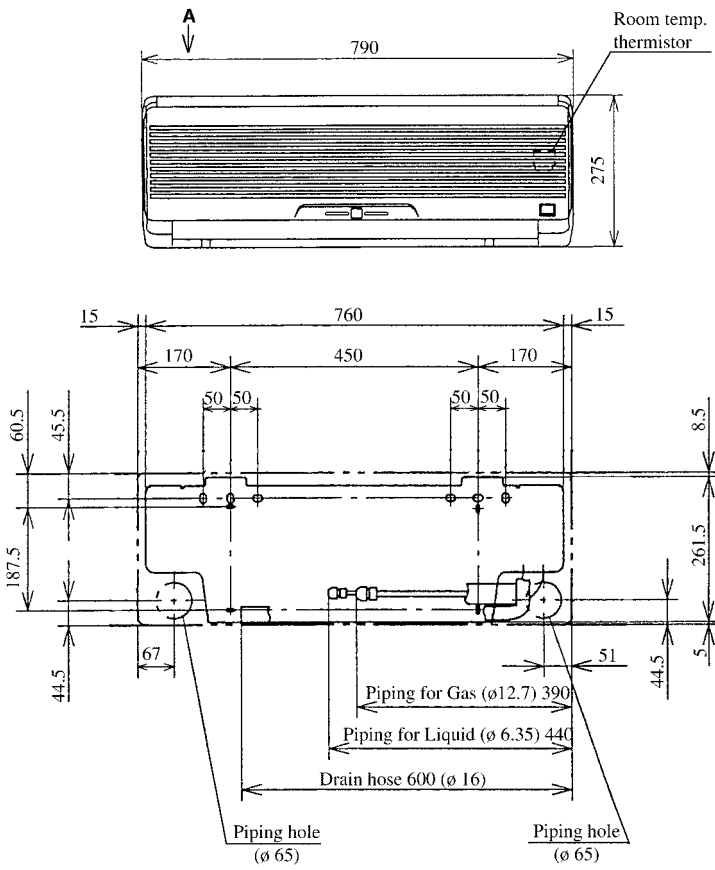
Model SRK35GZ-L1

Unit: mm



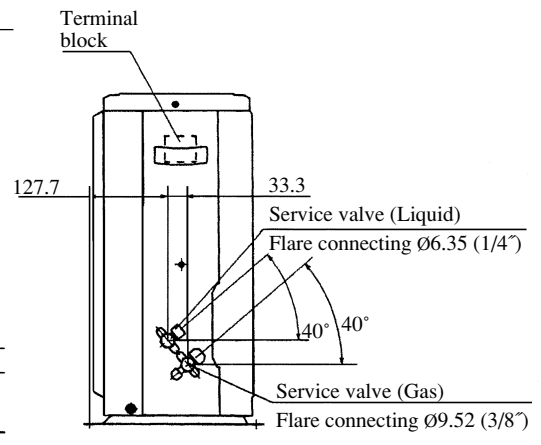
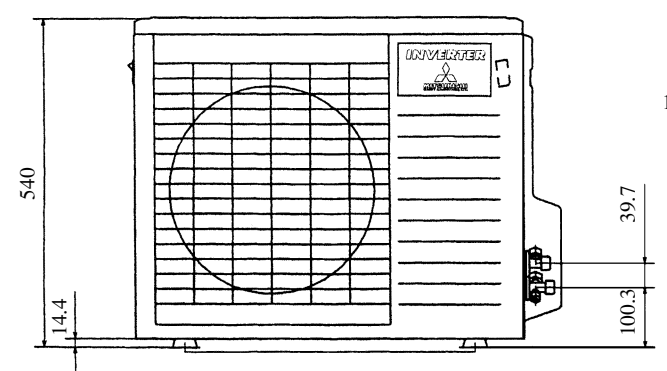
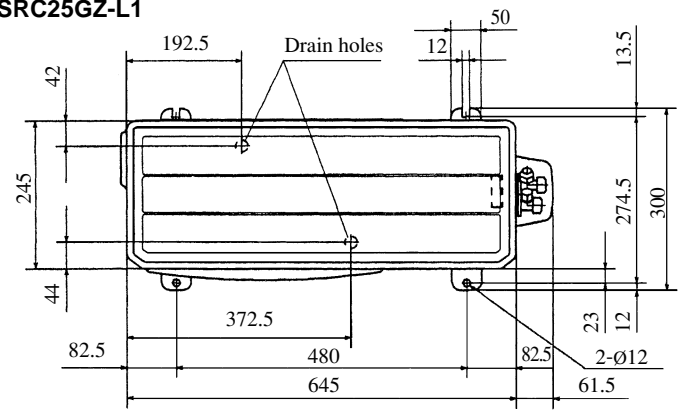
Model SRK502Z-L

Unit: mm

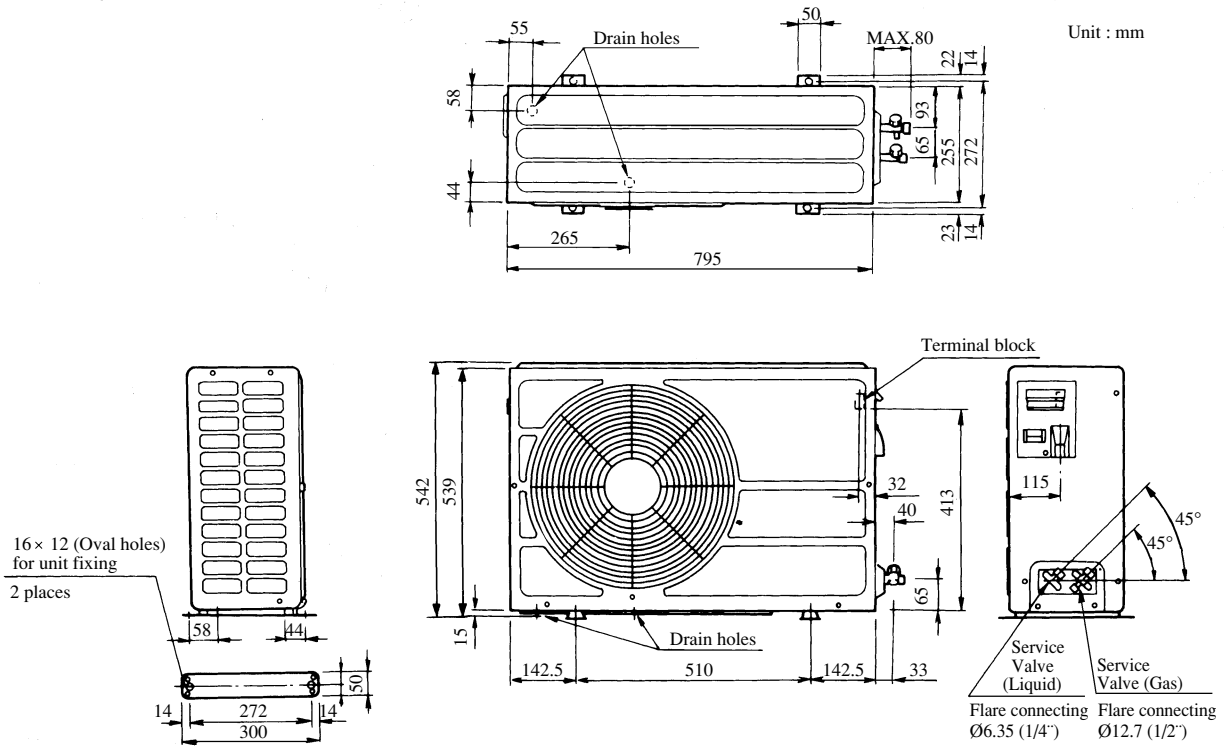


**(2) Outdoor unit
Model SRC25GZ-L1**

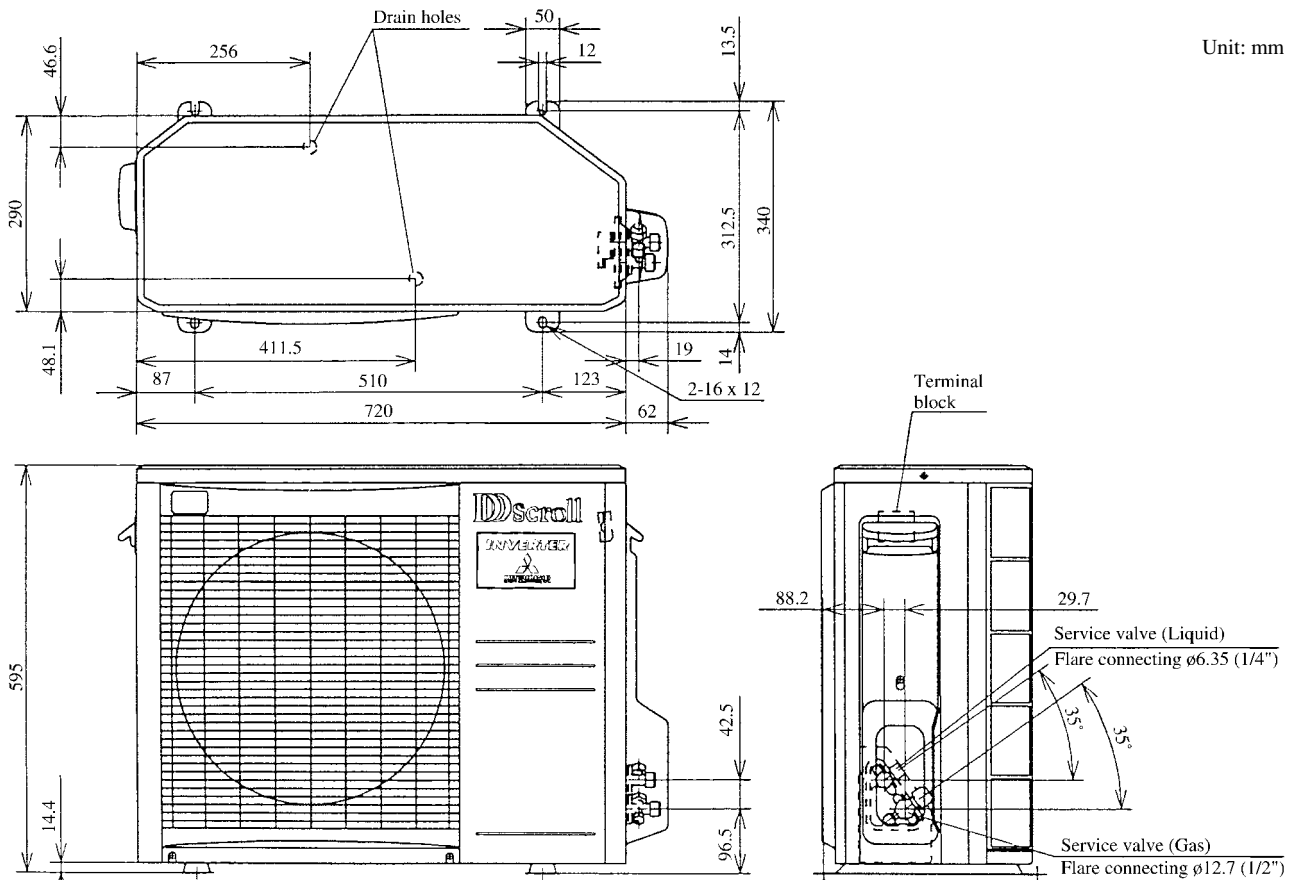
Unit: mm



Model SRC35GZ-L1

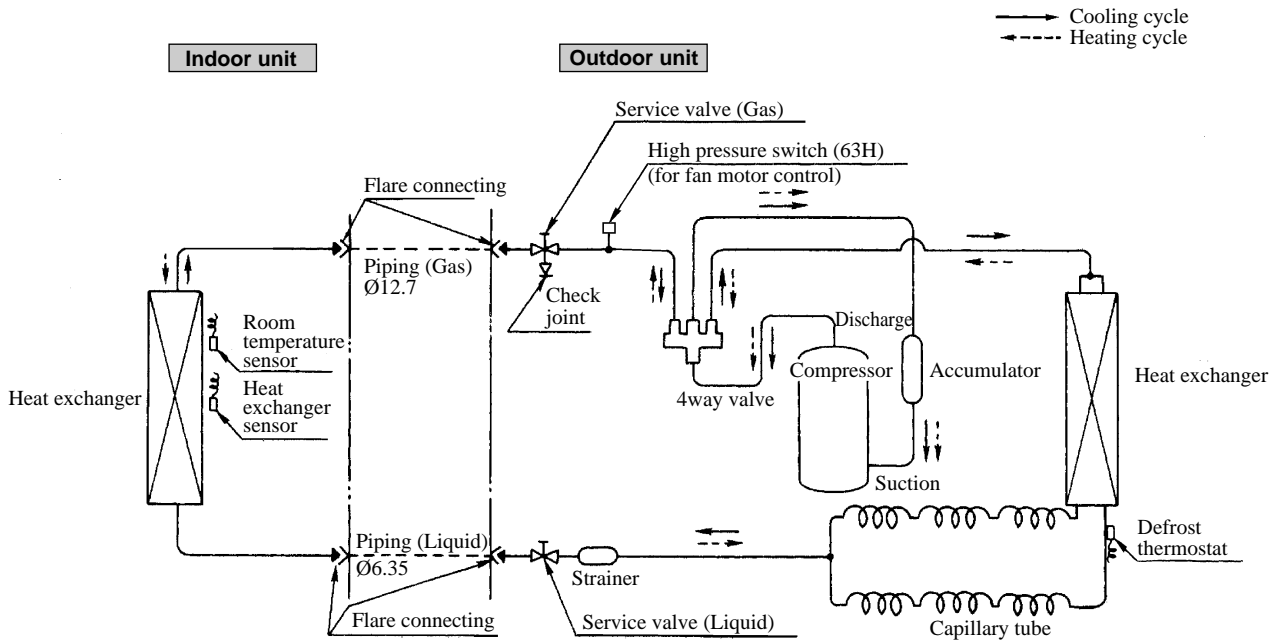


Model SRC502Z-L

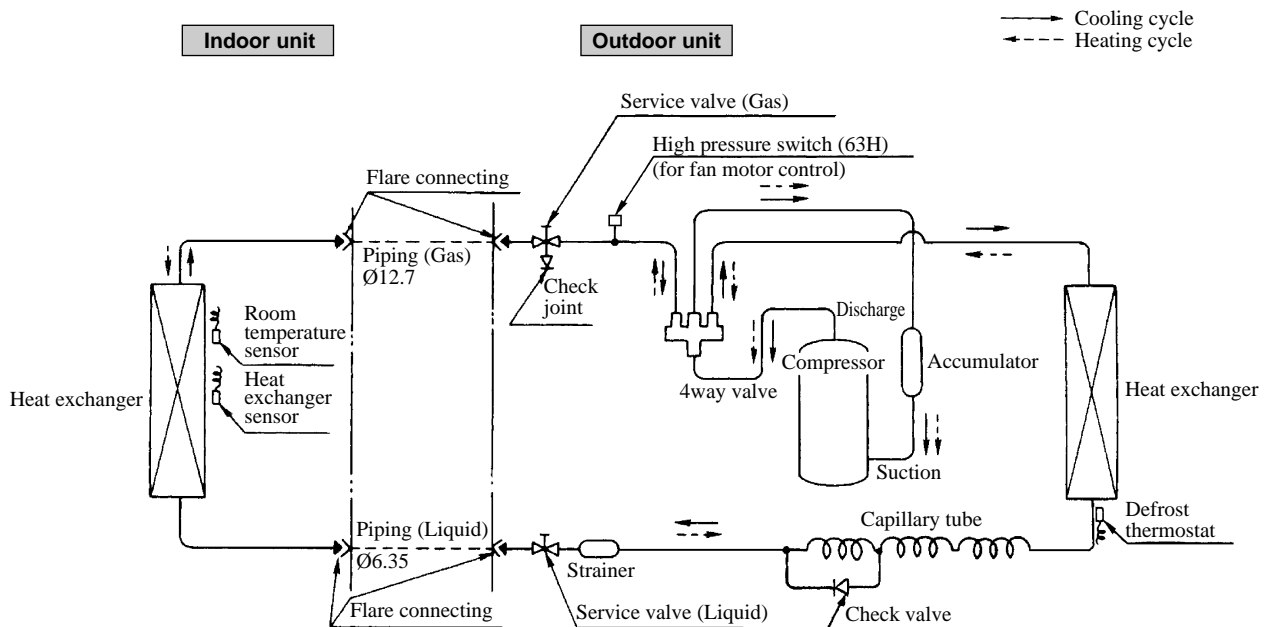


1.2.4 Piping system

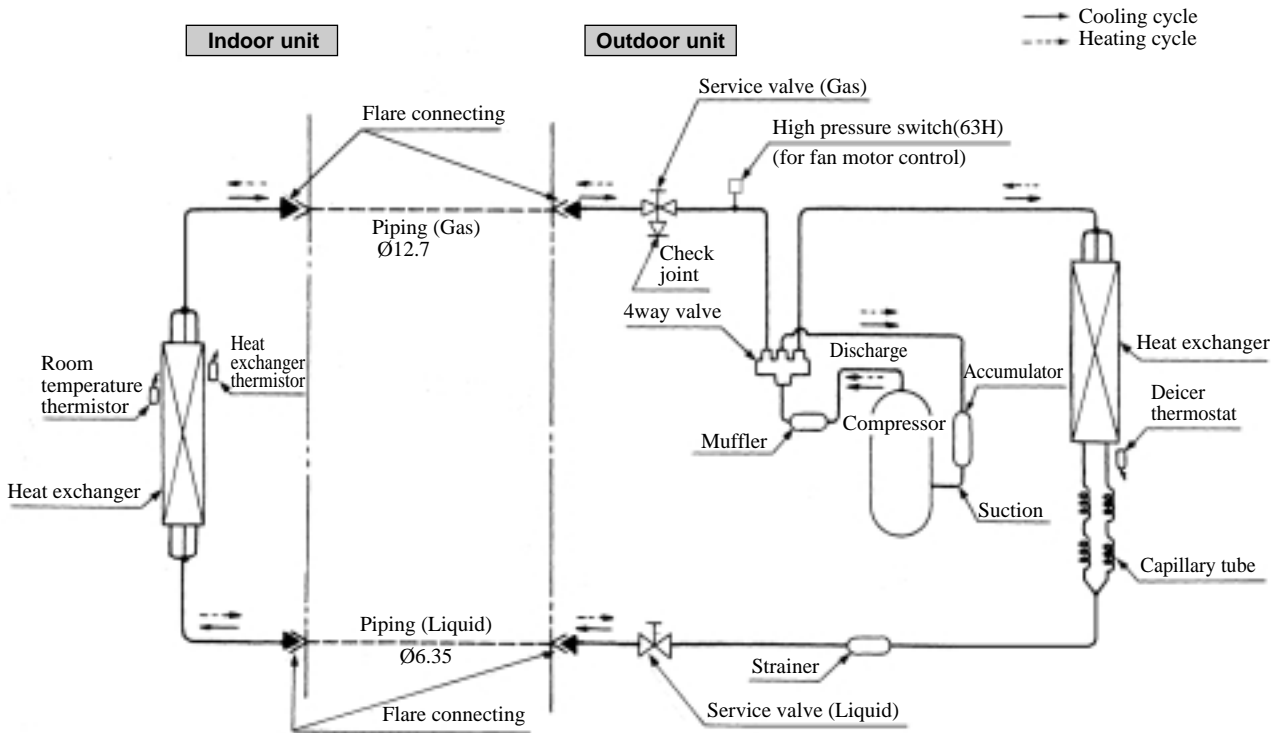
Model SRK328HENF-L2



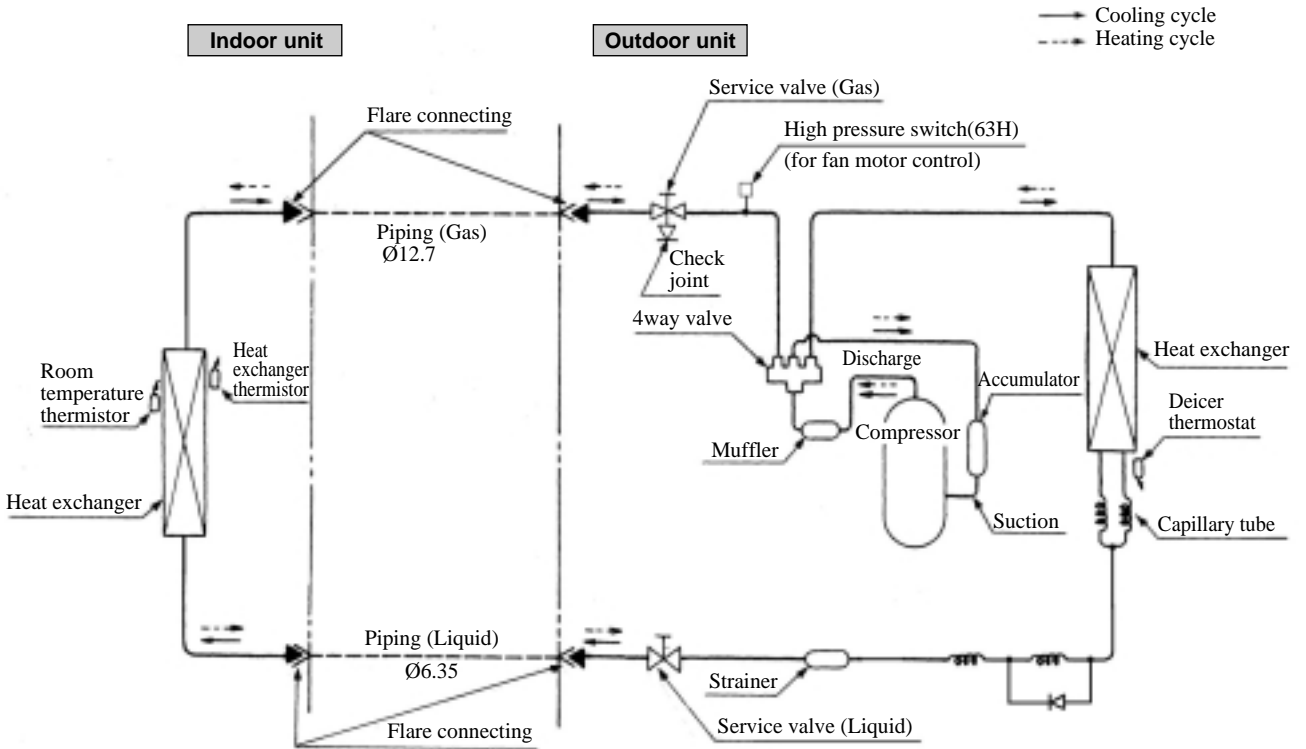
Model SRK408HENF-L2



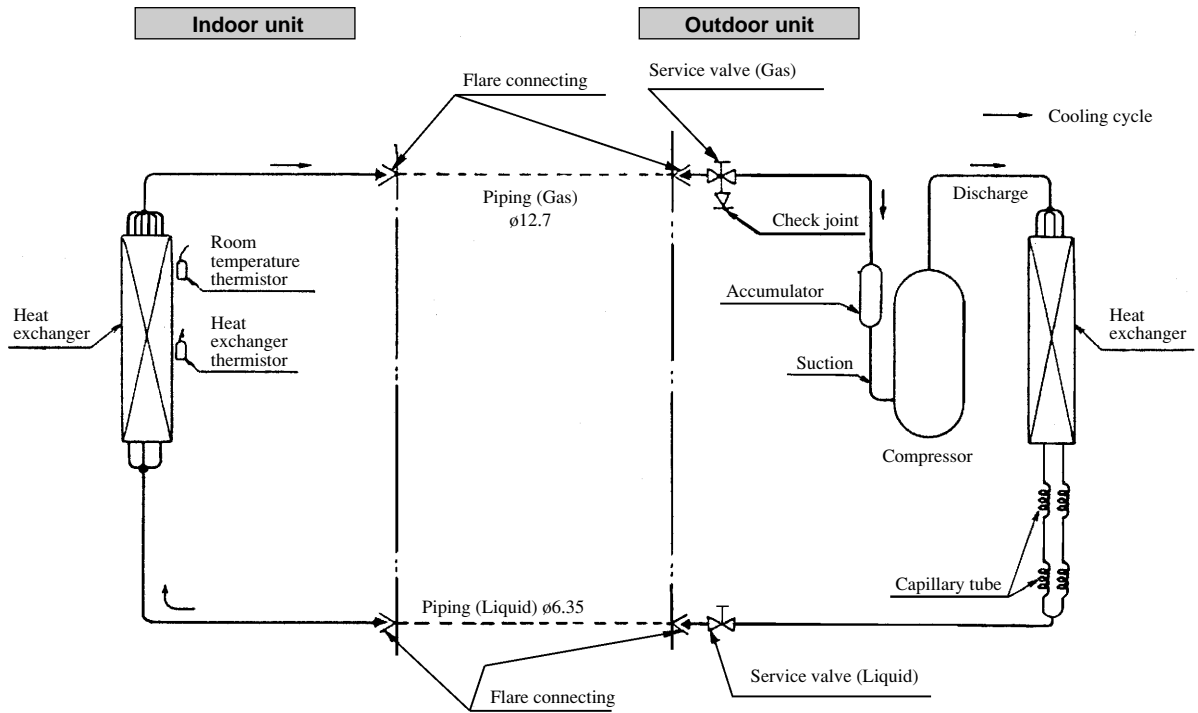
Models SRK501HENF-L, 561HENF-L



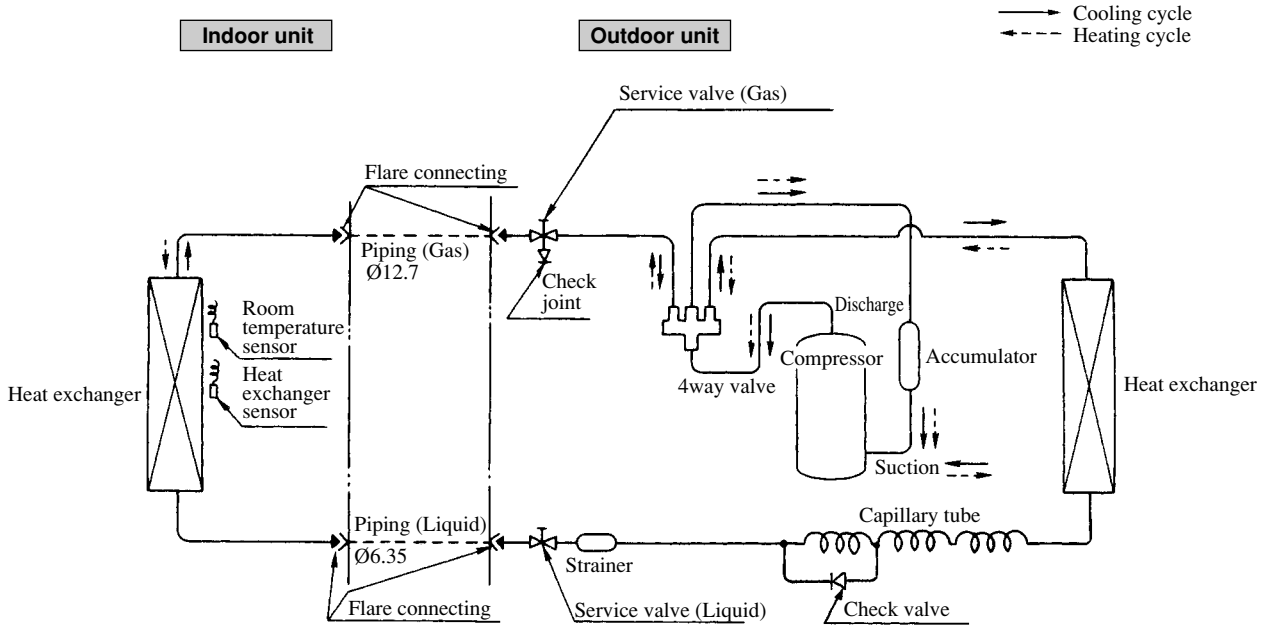
Models SRK50HA, 56HA



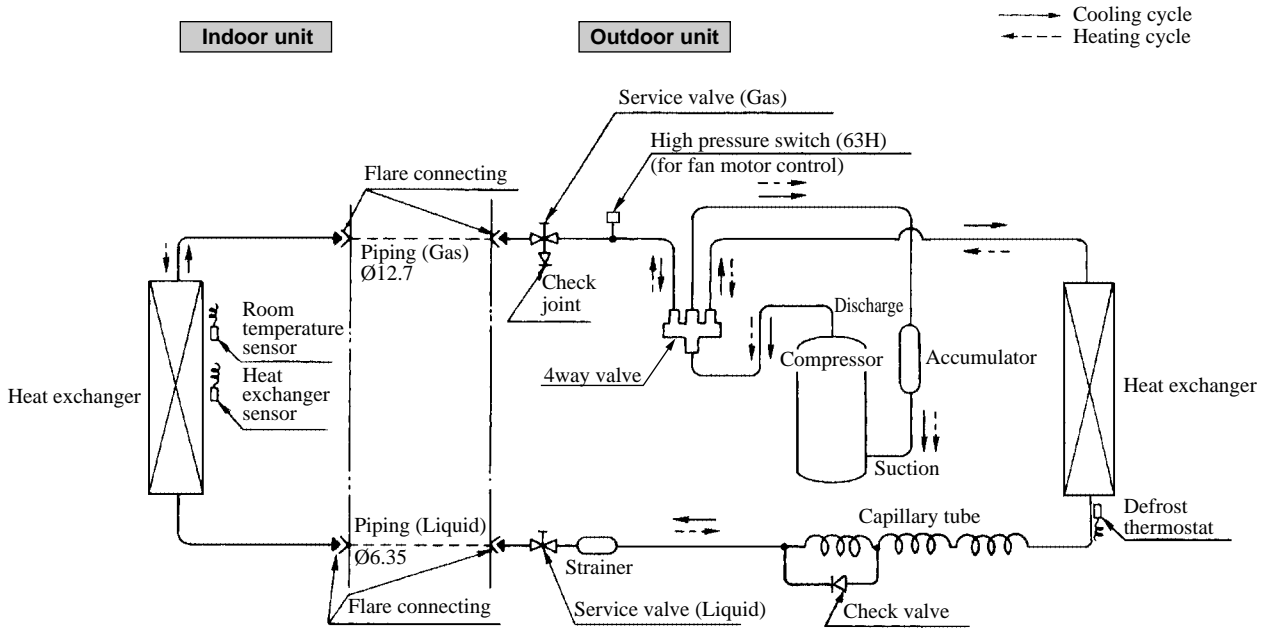
Models SRK501CENF-L, 561CENF-L



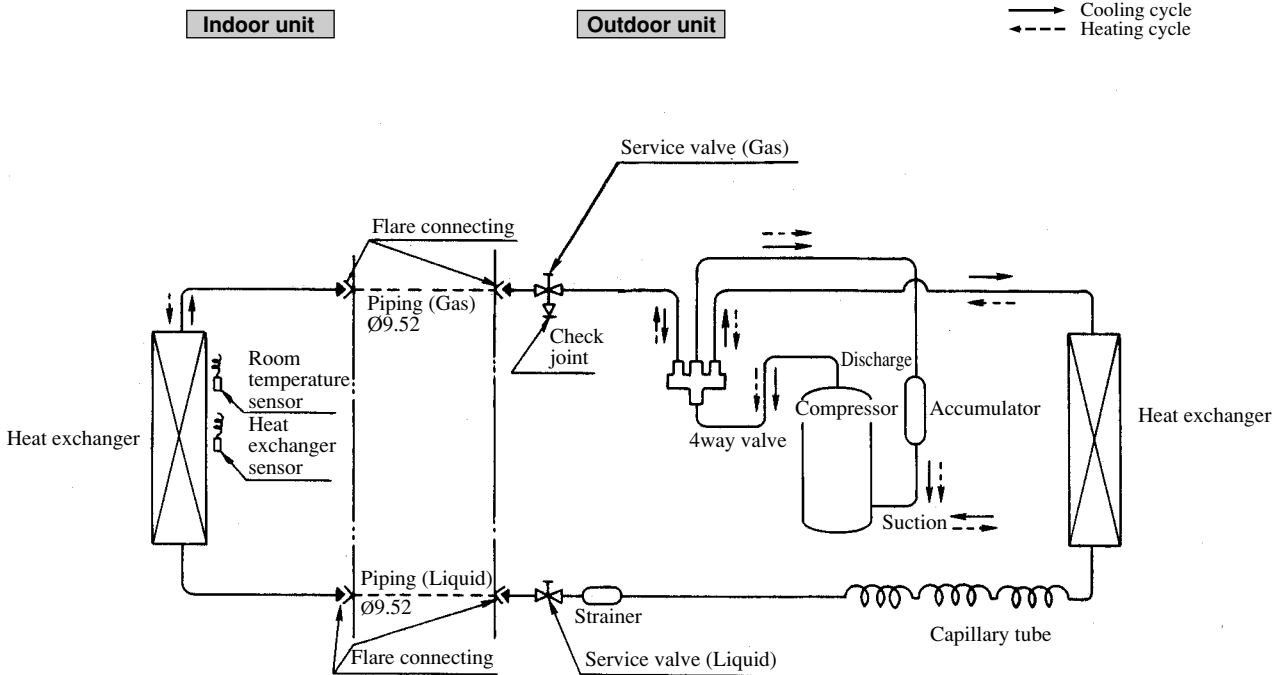
Model SRK408HENF-L



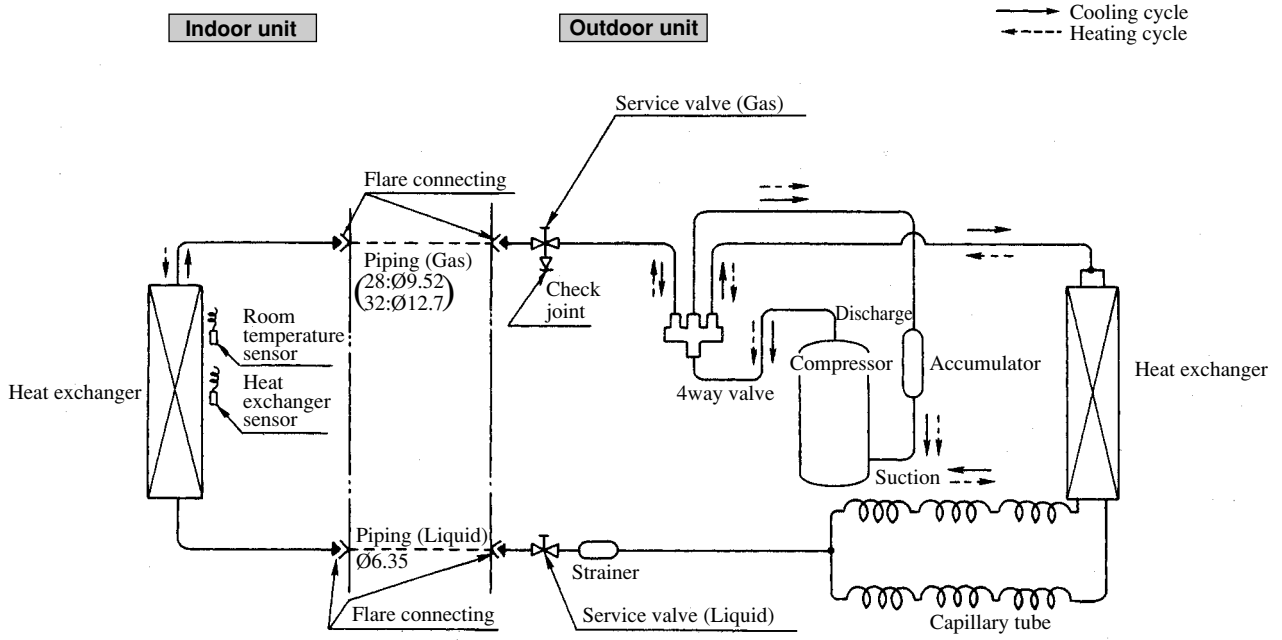
Model SRK408HENF-L3



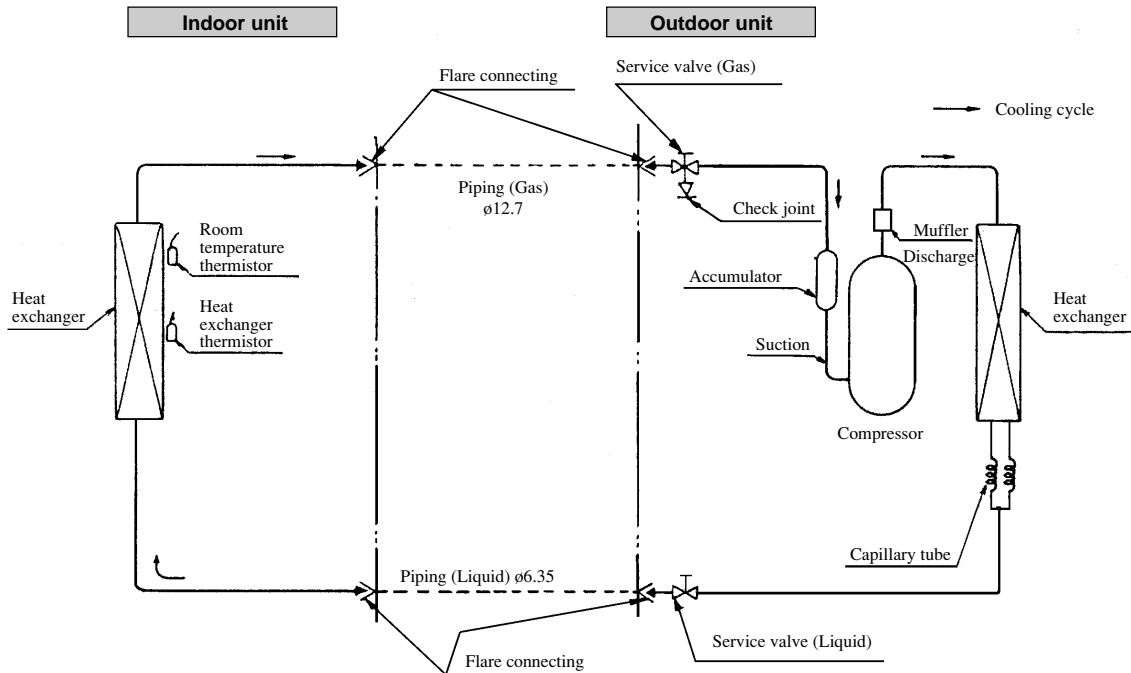
Model SRK208HENF-L



Models SRK288HENF-L, 328HENF-L

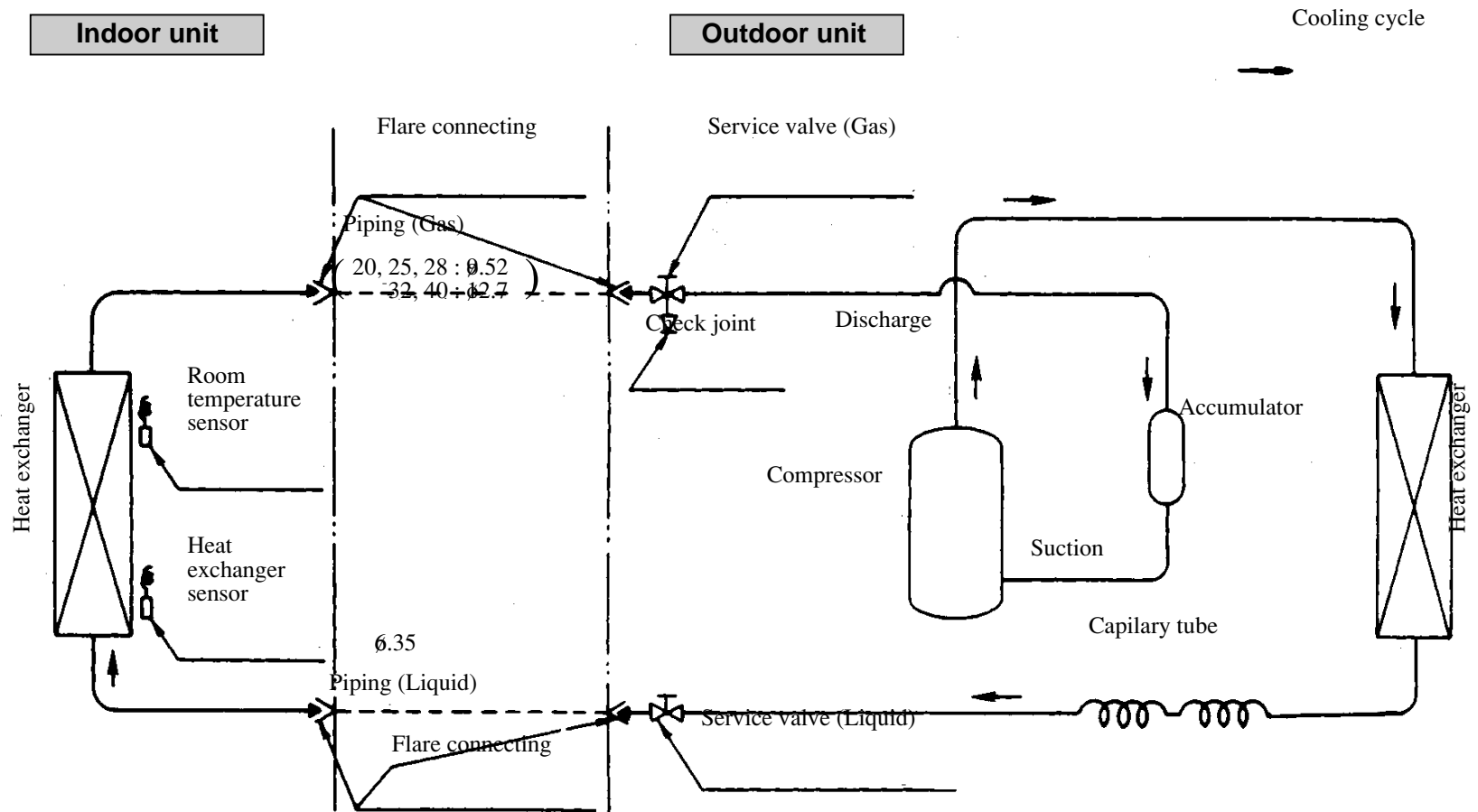


Models SRK50CA, 56CA



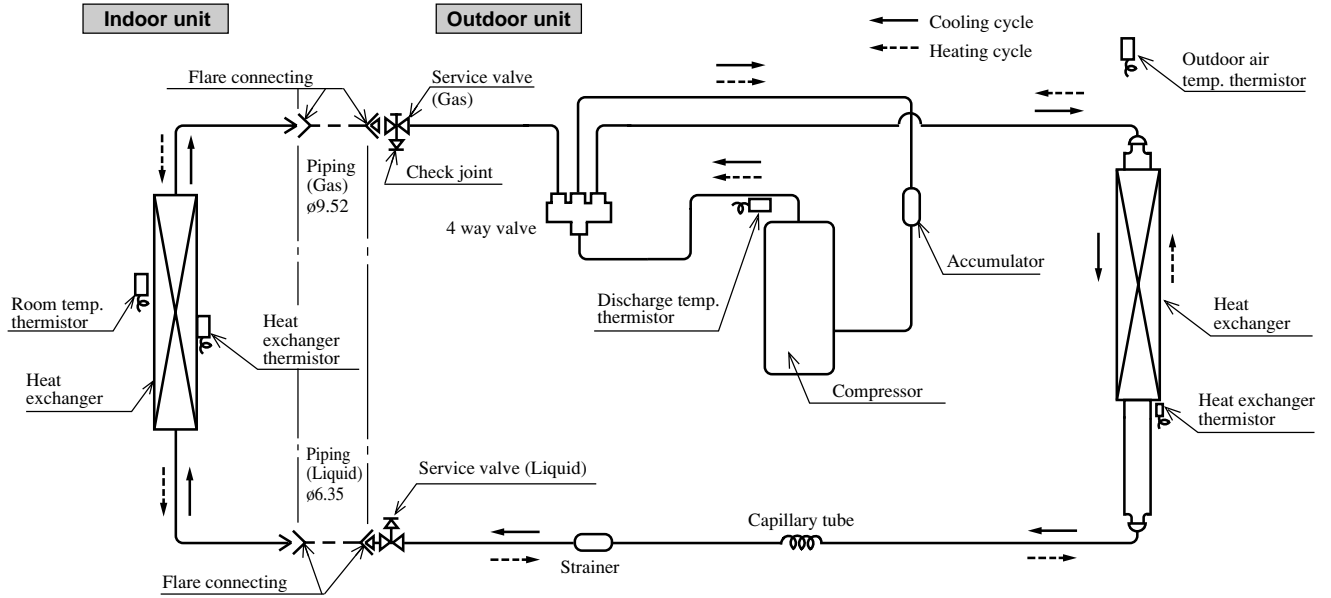
1.2.4 Piping system

Models SRK208CENF-L, 258CENF-L, 288CENF-L, 328CENF-L, 408CENF-L

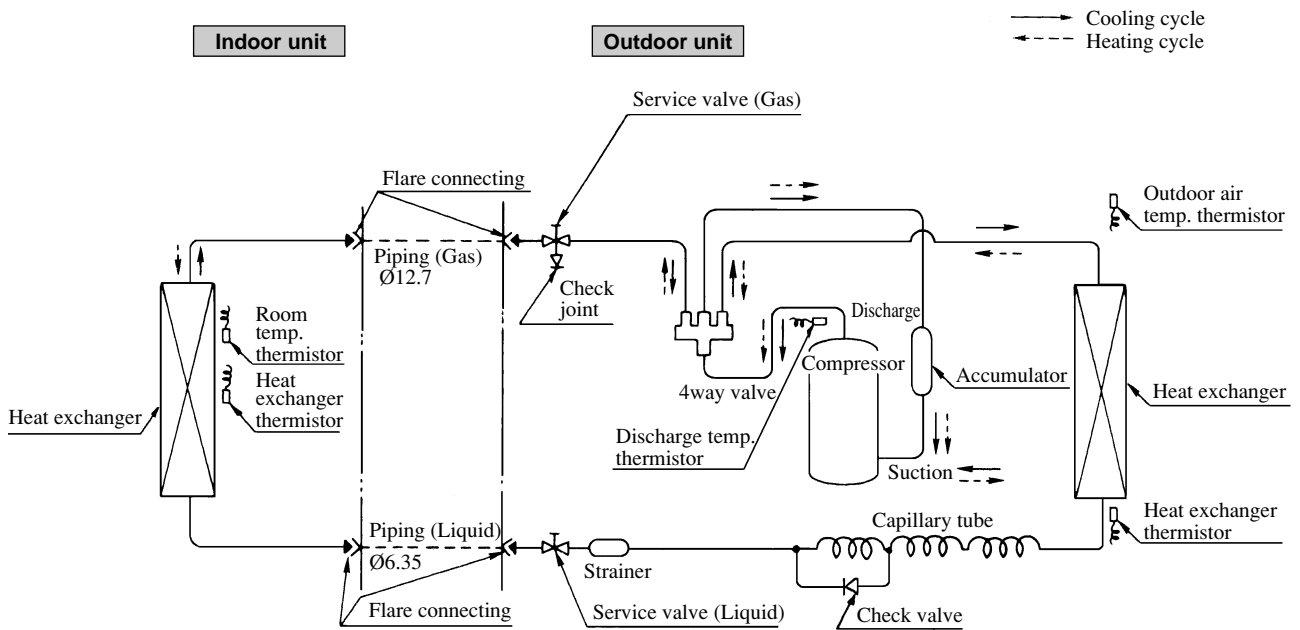


1.2.4 Piping system

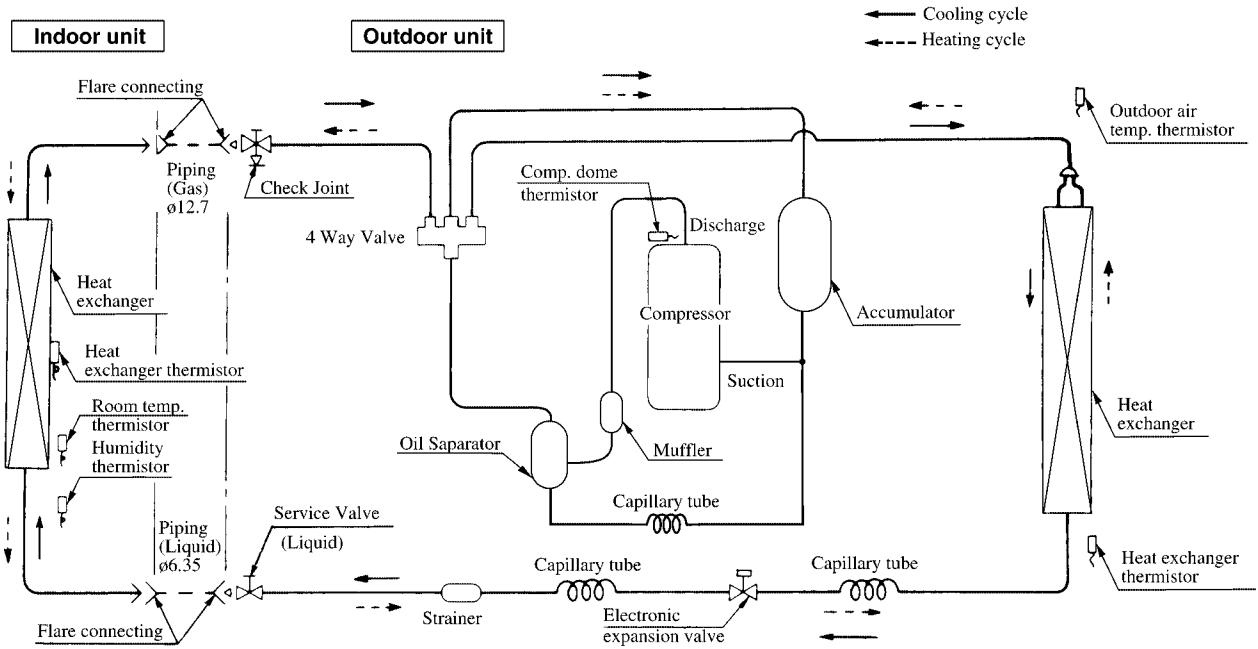
Model SRK25GZ-L1



Model SRK35GZ-L1



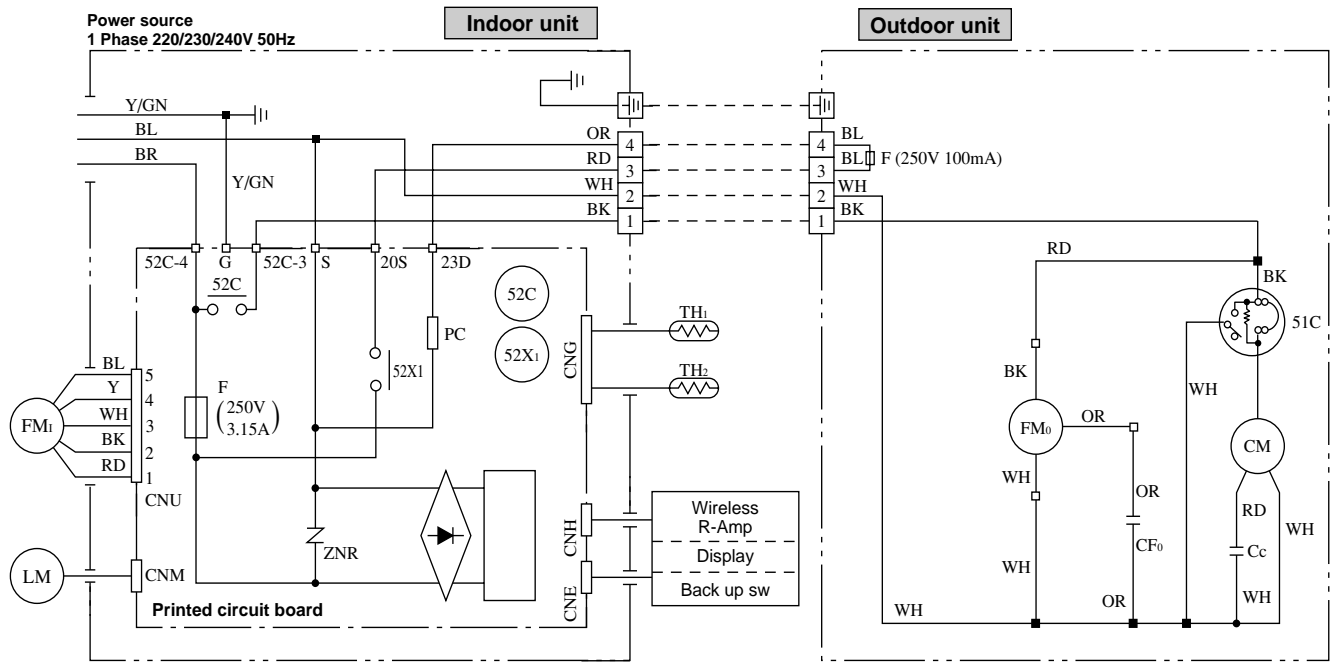
Model SRK502Z-L



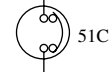
1.3 ELECTRICAL DATA

1.3.1 Electrical wiring

Models SRK50CA, 56CA



Note(1) This figure shows SRK56CA. As for SRK50CA, 51C differs as shown in the figure below.



(2) When an abnormality occurred on the outdoor unit for the cooling only model, check the fuse on the outdoor unit. If the fuse is burnt out, replace it with new one.

Color symbol

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

Meaning of marks

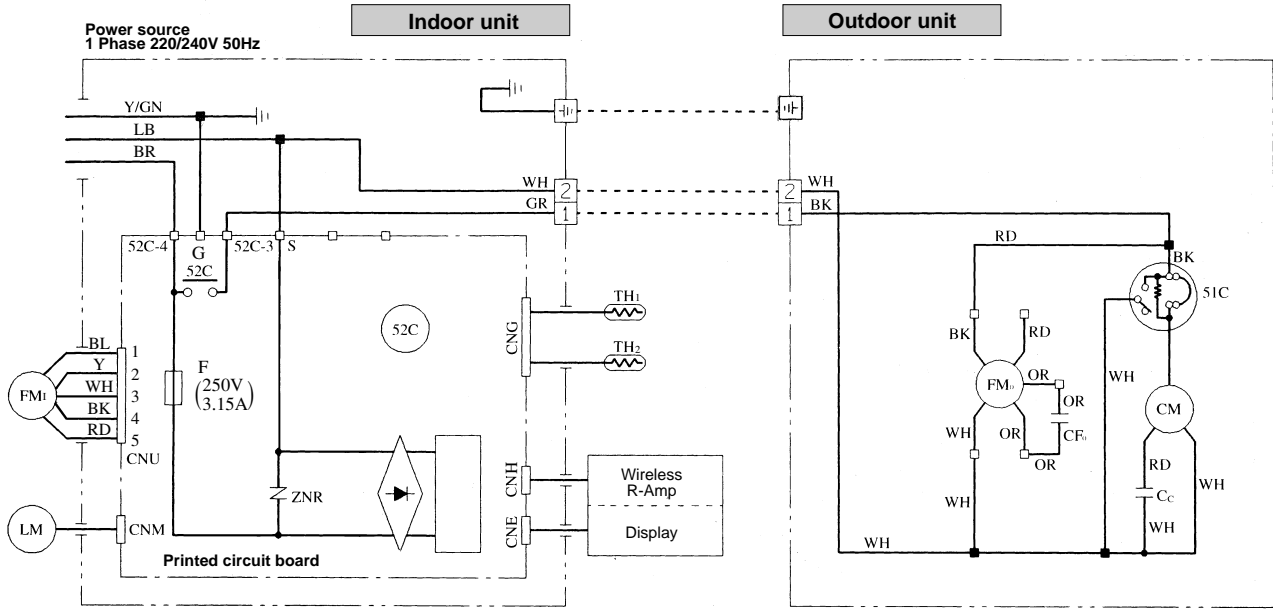
Symbol	Parts name	Symbol	Parts name
C _c	Capacitor for CM	LM	Louver motor
CF _o	Capacitor for FM _o	Th _{1, 2}	Thermistor
CM	Compressor motor	ZNR	Varistor
F	Fuse	51C	Motor protector for CM
FM _i	Fan motor (Indoor unit)	52C	Magnetic contactor for CM
FM _o	Fan motor (Outdoor unit)		

Table of relay operations

Relay symbol	Operation	
	Control part	Operation
52C	CM	○

Notes (1) ○: denotes magnetized relay ×: denotes demagnetized relay
 (2) Th₁ is room temperature thermistor. Th₂ (the heat exchanger thermistor) is frost prevention thermistor.

Models SRK501CENF-L, 561CENF-L



Color symbol

BK	Black
BL	Blue
BR	Brown
RD	Red
OR	Orange
WH	White
Y	Yellow
LB	Light blue
Y/GN	Yellow/Green

Meaning of marks

Symbol	Parts name	Symbol	Parts name
C _c	Capacitor for CM	LM	Louver motor
CF _o	Capacitor for FM _o	Th _{1,2}	Thermistor
CM	Compressor motor	ZNR	Varistor
F	Fuse	51C	Motor protector for CM
FM _i	Fan motor (Indoor unit)	52C	Magnetic contactor for CM
FM _o	Fan motor (Outdoor unit)		

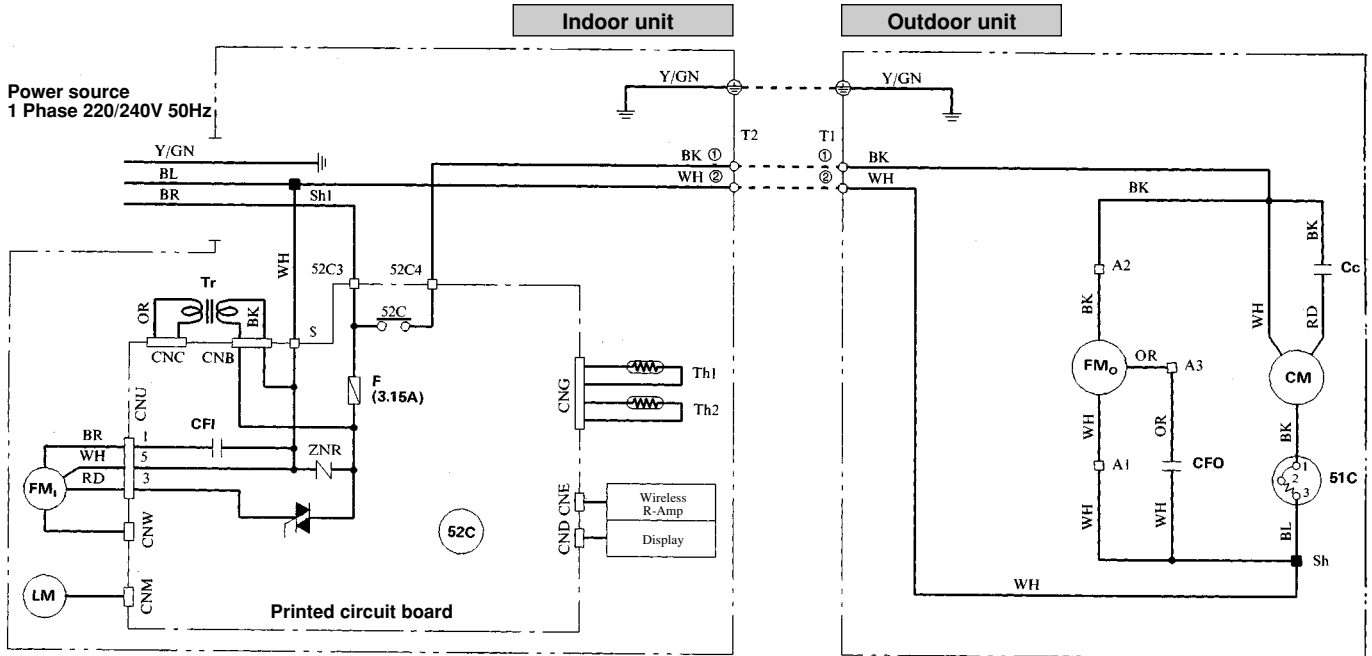
Table of relay operations

Relay symbol	Operation	
	Control part	Cooling
52C	CM	○

Notes (1) ○ : denotes magnetized relay ×: denotes demagnetized relay

(2) Th₁ is room temperature thermistor. Th₂ (the heat exchanger thermistor) is frost prevention thermistor.

Model SRK208CENF-L



Color symbol

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

Meaning of marks

Symbol	Parts name	Symbol	Parts name
C _c	Capacitor for CM	LM	Louver motor
CF _i	Capacitor for FM _i	Th _{1,2}	Thermistor
CF _o	Capacitor for FM _o	Tr	Transformer
CM	Compressor motor	ZNR	Varistor
F	Fuse	51C	Motor protector for CM
FM _i	Fan motor (Indoor unit)	52C	Magnetic contactor for CM
FM _o	Fan motor (Outdoor unit)		

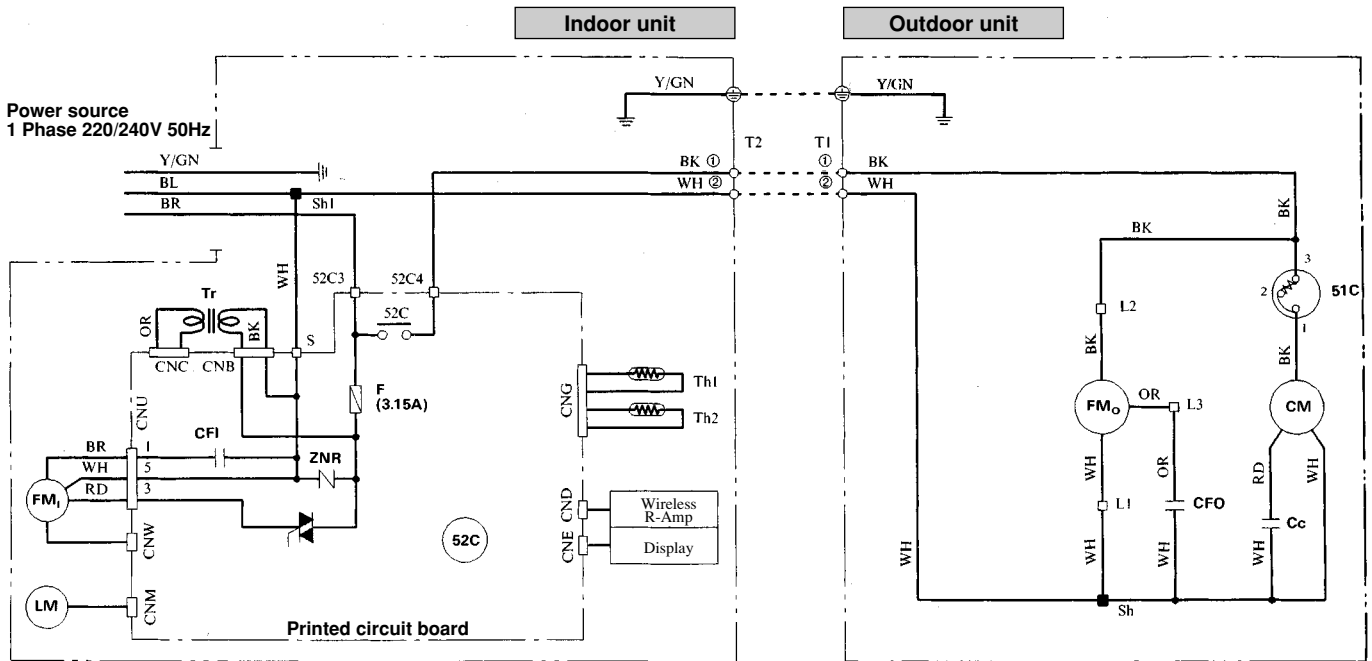
Table of relay operations

Relay symbol	Control part	Operation
52C	CM	Cooling

Notes (1) ○ ; denotes magnetized relay ×: denotes demagnetized relay

(2) Th₁ is room temperature sensor. Th₂ (the heat exchanger sensor) is frost prevention sensor. (for details, refer to pages 74)

Models SRK258CENF-L, 288CENF-L, 328CENF-L, 408CENF-L



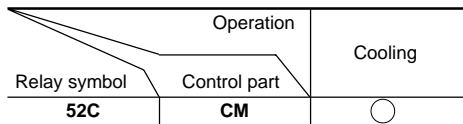
Color symbol

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

Meaning of marks

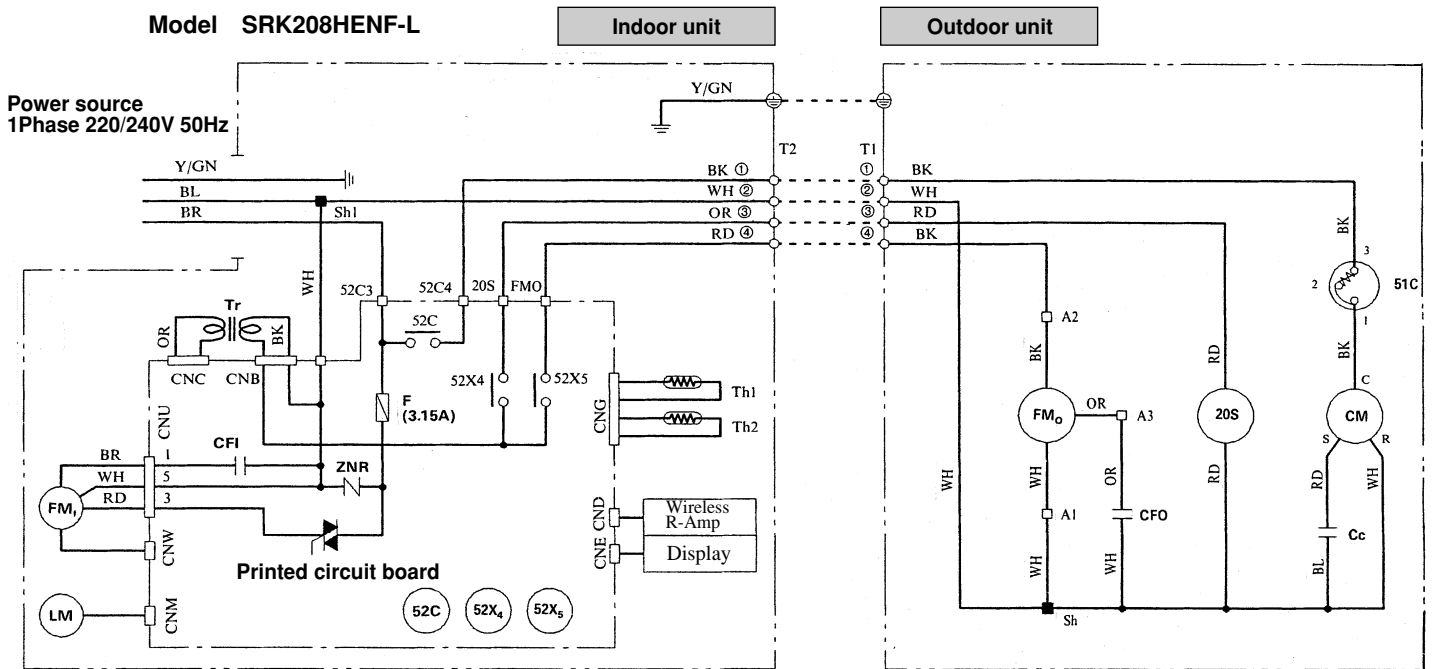
Symbol	Parts name	Symbol	Parts name
C _c	Capacitor for CM	LM	Louver motor
CF _i	Capacitor for FM _i	Th _{1,2}	Thermistor
CF _o	Capacitor for FM _o	Tr	Transformer
CM	Compressor motor	ZNR	Varistor
F	Fuse	51C	Motor protector for CM
FM _i	Fan motor (Indoor unit)	52C	Magnetic contactor for CM
FM _o	Fan motor (Outdoor unit)		

Table of relay operations



Notes (1) ○ ; denotes magnetized relay ×: denotes demagnetized relay

(2) Th₁ is room temperature sensor. Th₂ (the heat exchanger sensor) is frost prevention sensor. (for details, refer to pages 74)



Color symbol

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

Meaning of marks

Symbol	Parts name	Symbol	Parts name
Cc	Capacitor for CM	Th _{1, 2}	Thermistor
CF _i	Capacitor for FM _i	Tr	Transformer
CF _o	Capacitor for FM _o	ZNR	Varistor
CM	Compressor motor	20S	4 way valve, coil
F	Fuse	51C	Motor protector for CM
FM _i	Fan motor (Indoor unit)	52C	Magnetic contactor for CM
FM _o	Fan motor (Outdoor unit)	52X _{4, 5}	Auxiliary relay
LM	Louver motor		

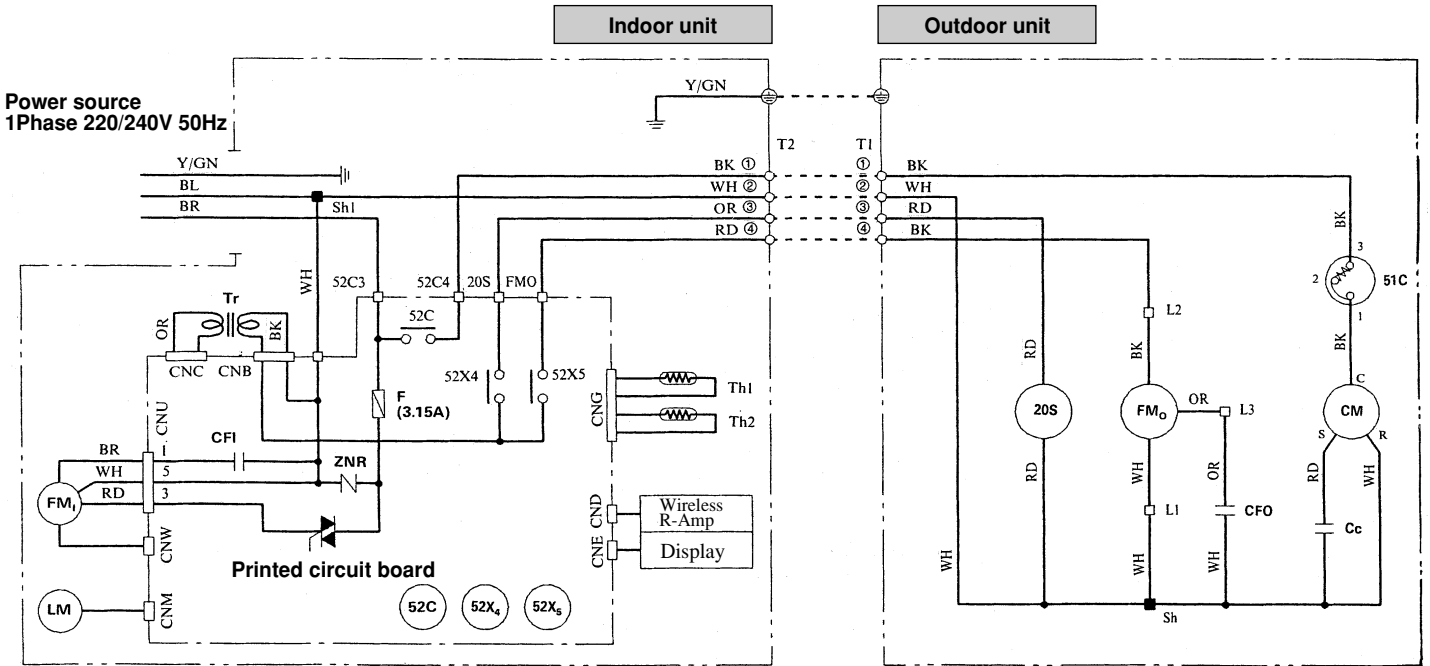
Table of relay operations

Relay symbol	Operation Control part	Operation		
		Cooling	Heating	Defrost
52X ₄	20S	×	○	×
52X ₅	FM _o	○	○	×
52C	CM	○	○	○

Notes (1) ○ : denotes magnetized relay × : denotes demagnetized relay

(2) Th₁ is room temperature sensor. Th₂ (the heat exchanger sensor) is the hot start, hot keep, and frost prevention sensor. (for details, refer to pages 72, 74)

Models SRK288HENF-L, 328HENF-L, 408HENF-L



Color symbol

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

Meaning of marks

Symbol	Parts name	Symbol	Parts name
Cc	Capacitor for CM	Th1, 2	Thermistor
CFi	Capacitor for FMi	Tr	Transformer
CFo	Capacitor for FMO	ZNR	Varistor
CM	Compressor motor	20S	4 way valve, coil
F	Fuse	51C	Motor protector for CM
FMi	Fan motor (Indoor unit)	52C	Magnetic contactor for CM
FMO	Fan motor (Outdoor unit)	52X4, 5	Auxiliary relay
LM	Louver motor		

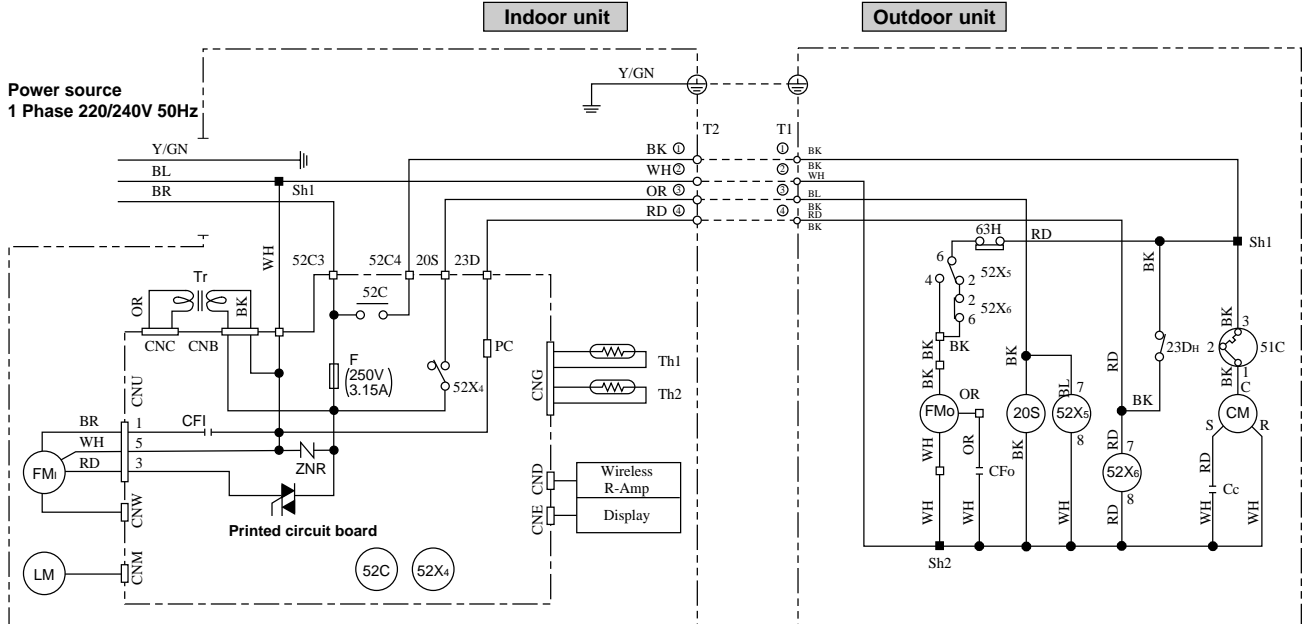
Table of relay operations

Relay symbol	Operation Control part	Operation		
		Cooling	Heating	Defrost
52X4	20S	×	○	×
52X5	FMO	○	○	×
52C	CM	○	○	○

Notes (1) ○ : denotes magnetized relay × : denotes demagnetized relay

(2) Th1 is room temperature sensor. Th2 (the heat exchanger sensor) is the hot start, hot keep, and frost prevention sensor. (for details, refer to pages 72, 74)

Models SRK328HENF-L2, 408HENF-L2



Color symbol

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

Meaning of marks

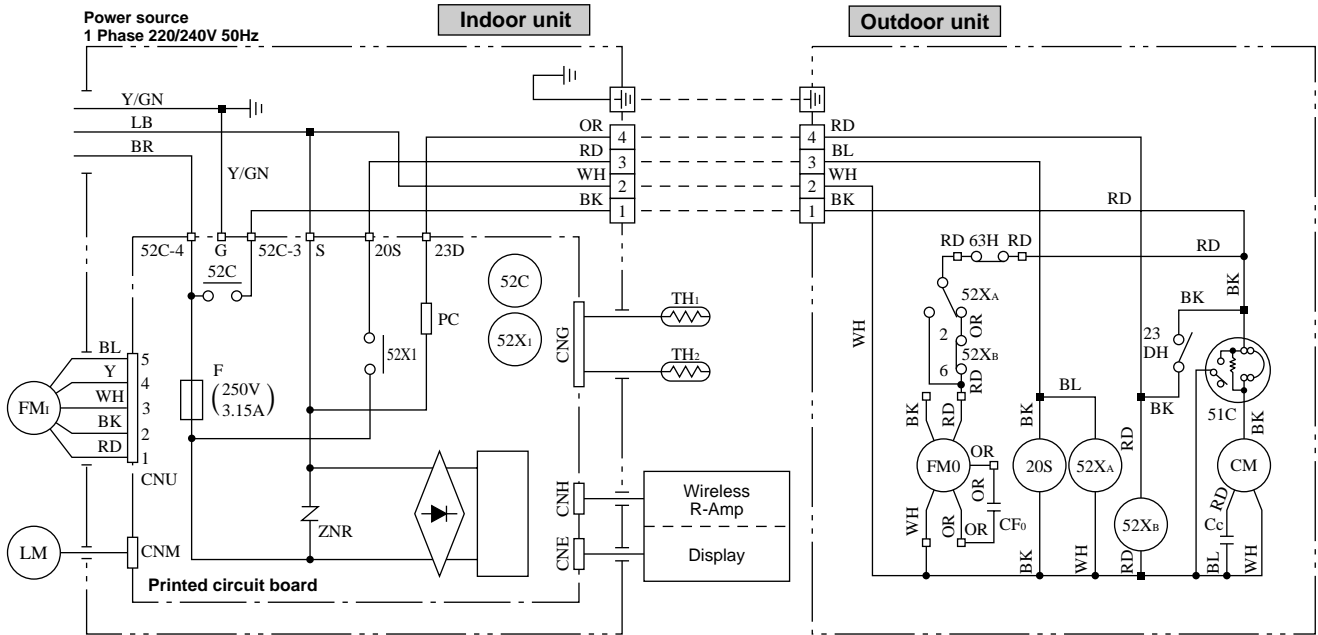
Symbol	Parts name	Symbol	Parts name
Cc	Capacitor for CM	Th _{1,2}	Thermistor
CF _i	Capacitor for FM _i	Tr	Transformer
CF _o	Capacitor for FM _o	ZNR	Varistor
CM	Compressor motor	20S	4 way valve, coil
F	Fuse	51C	Motor protector for CM
FM _i	Fan motor (Indoor unit)	52C	Magnetic conductor for CM
FM _o	Fan motor (Outdoor unit)	52X _{4,5,6}	Auxiliary relay
LM	Louver motor	63H	High pressure switch
PC	Photo coupler	23DH	Defrost thermostat

Table of relay operations

Relay symbol	Operation		Cooling	Heating	Defrost
	Control part				
52X ₄	20S		×	○	×
52X ₅	FM _o		×	○	×
52X ₆			×	×	○
52C	CM		○	○	○

- Notes (1) ○: denotes magnetized relay ×: denotes demagnetized relay
 (2) Th₁ is room temperature thermistor. Th₂ (the heat exchanger thermistor) is the hot start, hot keep, and frost prevention thermistor. (for details, refer to pages 71,72,74)
 (3) Preset values:
 23DH (defroster stop thermostat): opens at over 14°C
 63H (overload protection high pressure switch during heating): closes at 1.86(19.0) / opens at 2.41(24.5) [MPa(kgf/cm²)]

Models SRK501HENF-L, 561HENF-L



Color symbol

BK	Black
BL	Blue
BR	Brown
RD	Red
OR	Orange
WH	White
Y	Yellow
LB	Light blue
Y/GN	Yellow/Green

Meaning of marks

Symbol	Parts name	Symbol	Parts name
C_c	Capacitor for CM	Th_{1,2}	Thermistor
CF_o	Capacitor for FM _o	ZNR	Varistor
CM	Compressor motor	20S	4 way valve. coil
F	Fuse	51C	Motor protector for CM
FM_i	Fan motor (Indoor unit)	52C	Magnetic contactor for CM
FM_o	Fan motor (Outdoor unit)	52X_{A, B, 1}	Auxiliary relay
LM	Louver motor	63H	High pressure switch
PC	Photo coupler	23DH	Thermostat (Defrost)

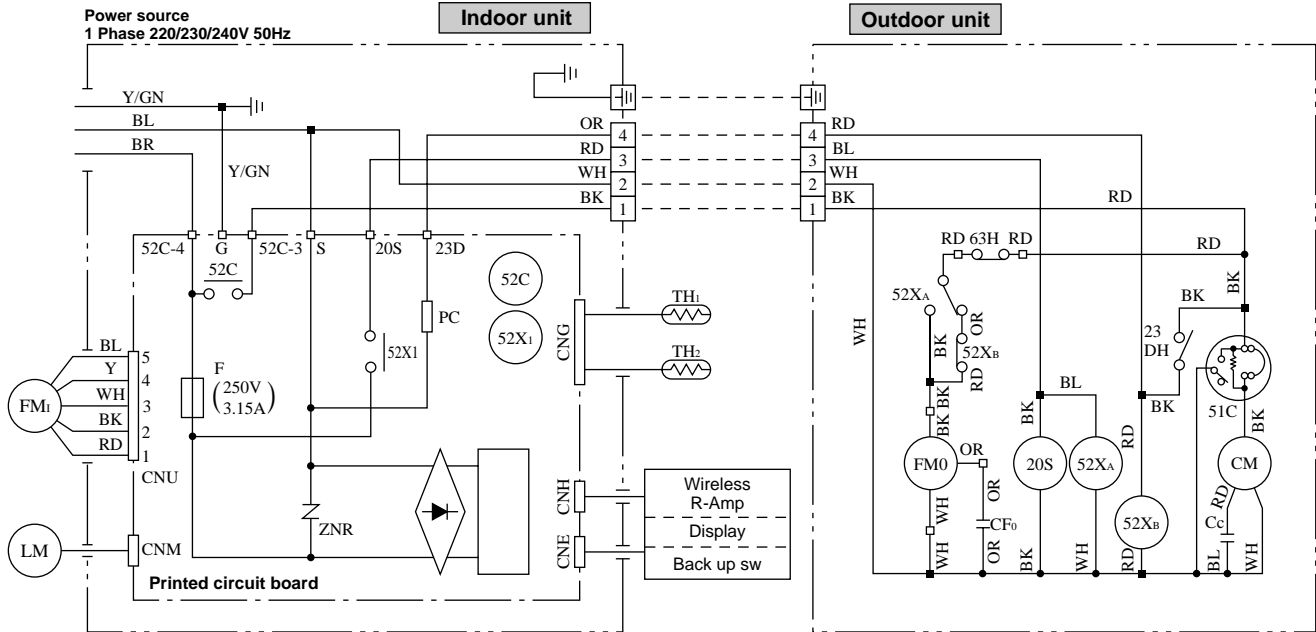
Table of relay operations

Relay symbol	Control part	Operation		
		Cooling	Heating	Defrost
52X₁	20S	×	○	×
52X_A	FM_o	×	○	×
52X_B		×	×	○
52C	CM	○	○	○

Notes (1) ○; denotes magnetized relay ×: denotes demagnetized relay

(2) Th₁ is room temperature sensor. Th₂ (the heat exchanger sensor) is the hot start, hot keep, and frost prevention sensor. (for details, refer to pages 71, 72, 74)

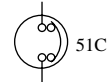
Models SRK50HA, 56HA



Color symbol

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

Note(1) This figure shows SRK56HA. As for SRK50HA, 51C differs as shown in the figure below.



Meaning of marks

Symbol	Parts name	Symbol	Parts name
C_c	Capacitor for CM	Th_{1,2}	Thermistor
CF₀	Capacitor for FM ₀	ZNR	Varistor
CM	Compressor motor	20S	4 way valve. coil
F	Fuse	51C	Motor protector for CM
FM_i	Fan motor (Indoor unit)	52C	Magnetic contactor for CM
FM_o	Fan motor (Outdoor unit)	52X_{A, B, 1}	Auxiliary relay
LM	Louver motor	63H	High pressure switch
PC	Photo coupler	23DH	Thermostat (Defrost)

Table of relay operations

Relay symbol	Control part	Operation		
		Cooling	Heating	Defrost
52X₁	20S	×	○	×
52X_A	FM_o	×	○	×
52X_B		×	×	○
52C	CM	○	○	○

Notes (1) ○; denotes magnetized relay ×: denotes demagnetized relay

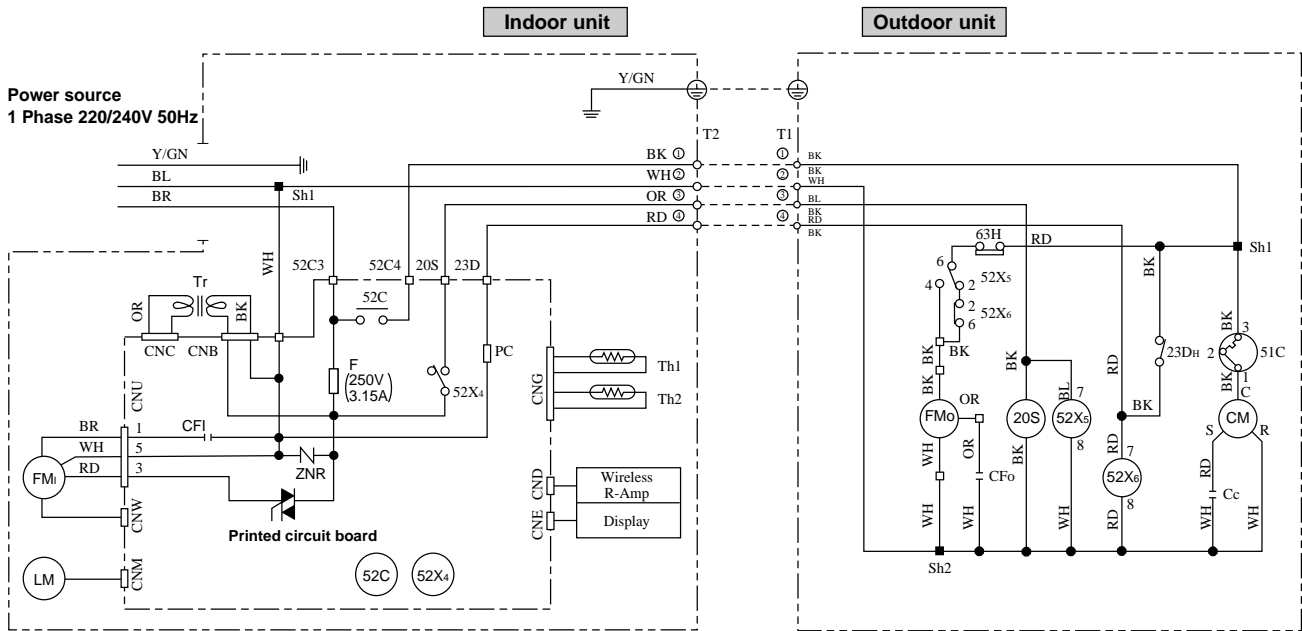
(2) Th₁ is room temperature thermistor. Th₂ (the heat exchanger thermistor) is the hot start, hot keep, and frost prevention thermistor. (for details, refer to pages 19, 20, 22)

(3) Preset values :

23DH (defroster stop thermostat) : opens at over 14°C

63H (overload protection high pressure switch during heating) : closes at 1.86(19.0) / opens at 2.41(24.5) [MPa(kgf/cm²)]

Model SRK408HENF-L3



Color symbol

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

Meaning of marks

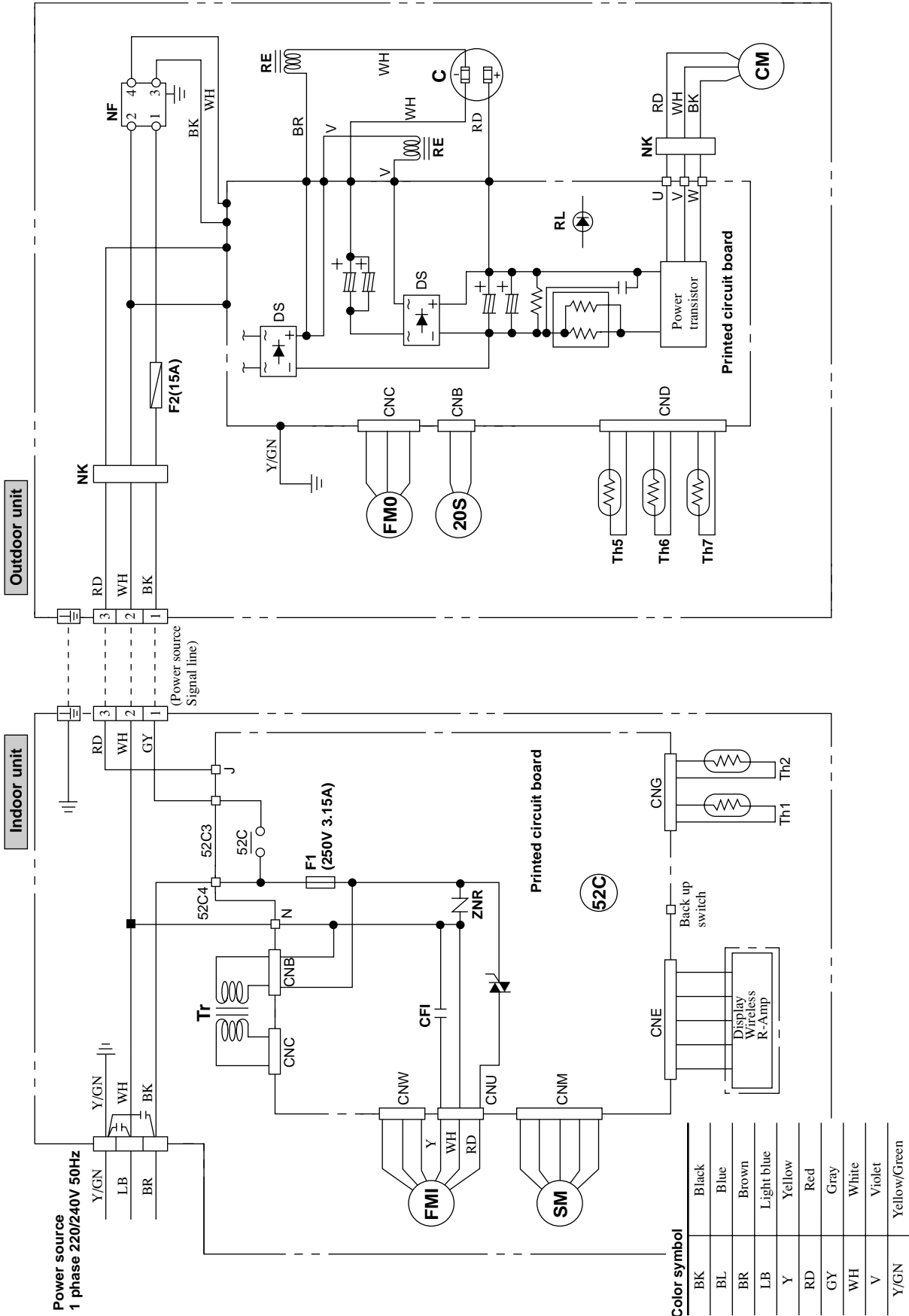
Symbol	Parts name	Symbol	Parts name
Cc	Capacitor for CM	Th _{1,2}	Thermistor
CF _i	Capacitor for FM _i	Tr	Transformer
CF _o	Capacitor for FM _o	ZNR	Varistor
CM	Compressor motor	20S	4 way valve, coil
F	Fuse	51C	Motor protector for CM
FM _i	Fan motor (Indoor unit)	52C	Magnetic conductor for CM
FM _o	Fan motor (Outdoor unit)	52X _{4,5,6}	Auxiliary relay
LM	Louver motor	63H	High pressure switch
PC	Photo coupler	23DH	Defrost thermostat

Table of relay operations

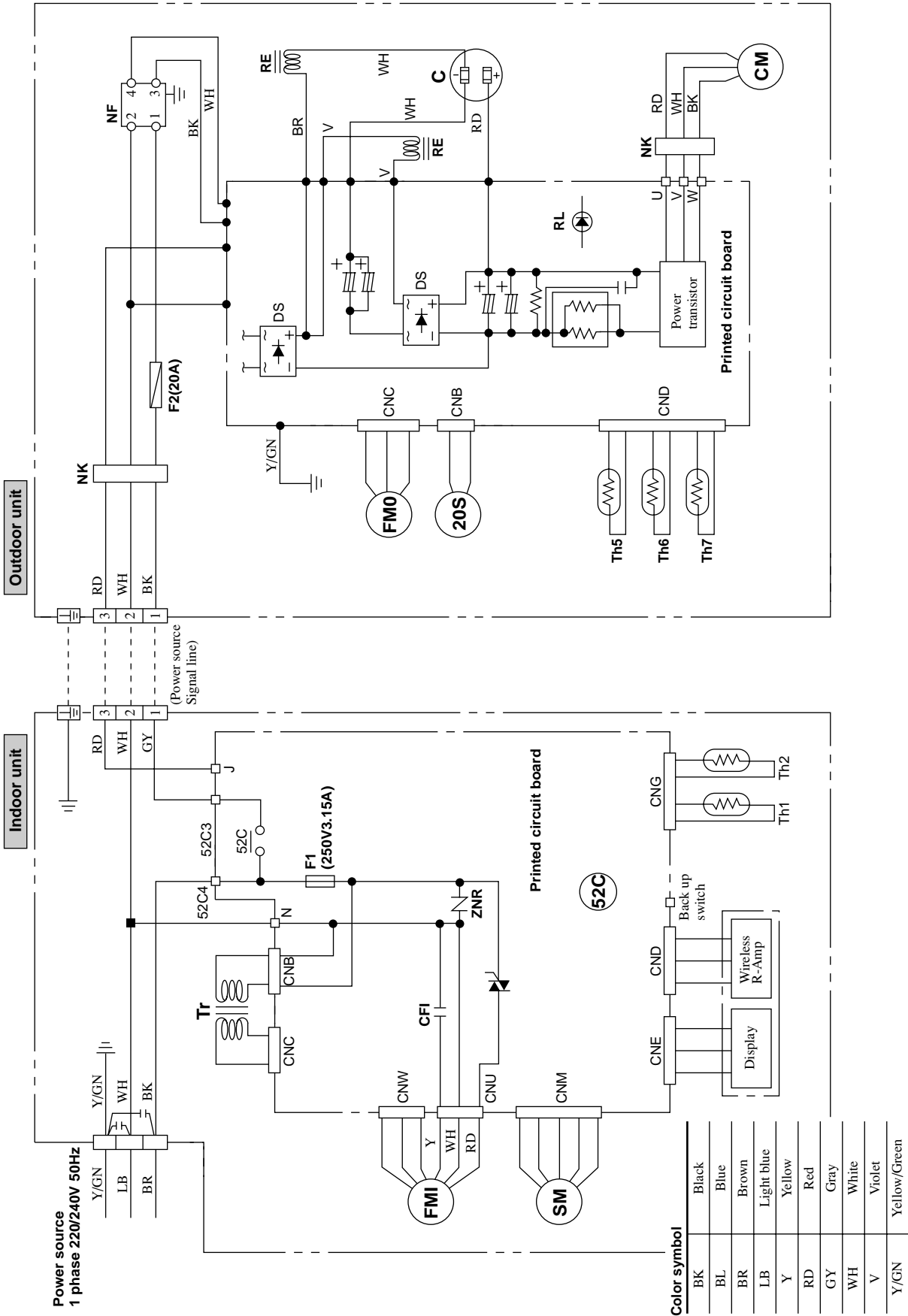
Relay symbol	Operation Control part	Operation		
		Cooling	Heating	Defrost
52X ₄	20S	×	○	×
52X ₅	FM _o	×	○	×
52X ₆		×	×	○
52C	CM	○	○	○

- Notes
- (1) ○: denotes magnetized relay ×: denotes demagnetized relay
 - (2) Th₁ is room temperature thermistor. Th₂ (the heat exchanger thermistor) is the hot start, hot keep, and frost prevention thermistor. (for details, refer to pages 19,20,22)
 - (3) Preset values:
23DH (defroster stop thermostat): opens at over 14°C
63H (overload protection high pressure switch during heating): closes at 2.02(20.5) / opens at 2.41(24.5) [MPa(kgf/cm²)]

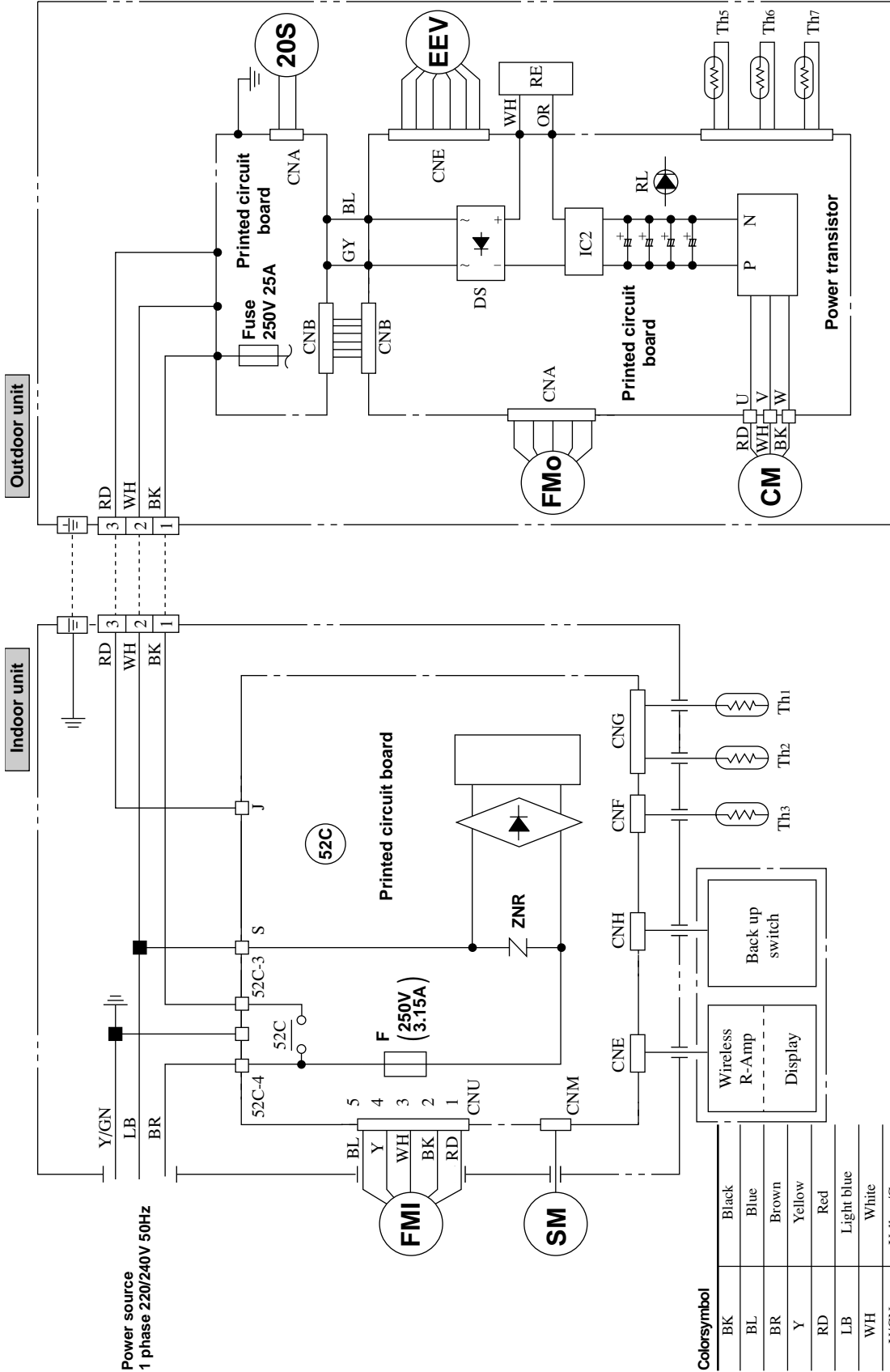
Model SRK25GZ-L1



Model SRK35GZ-L1



Model SRK502Z-L



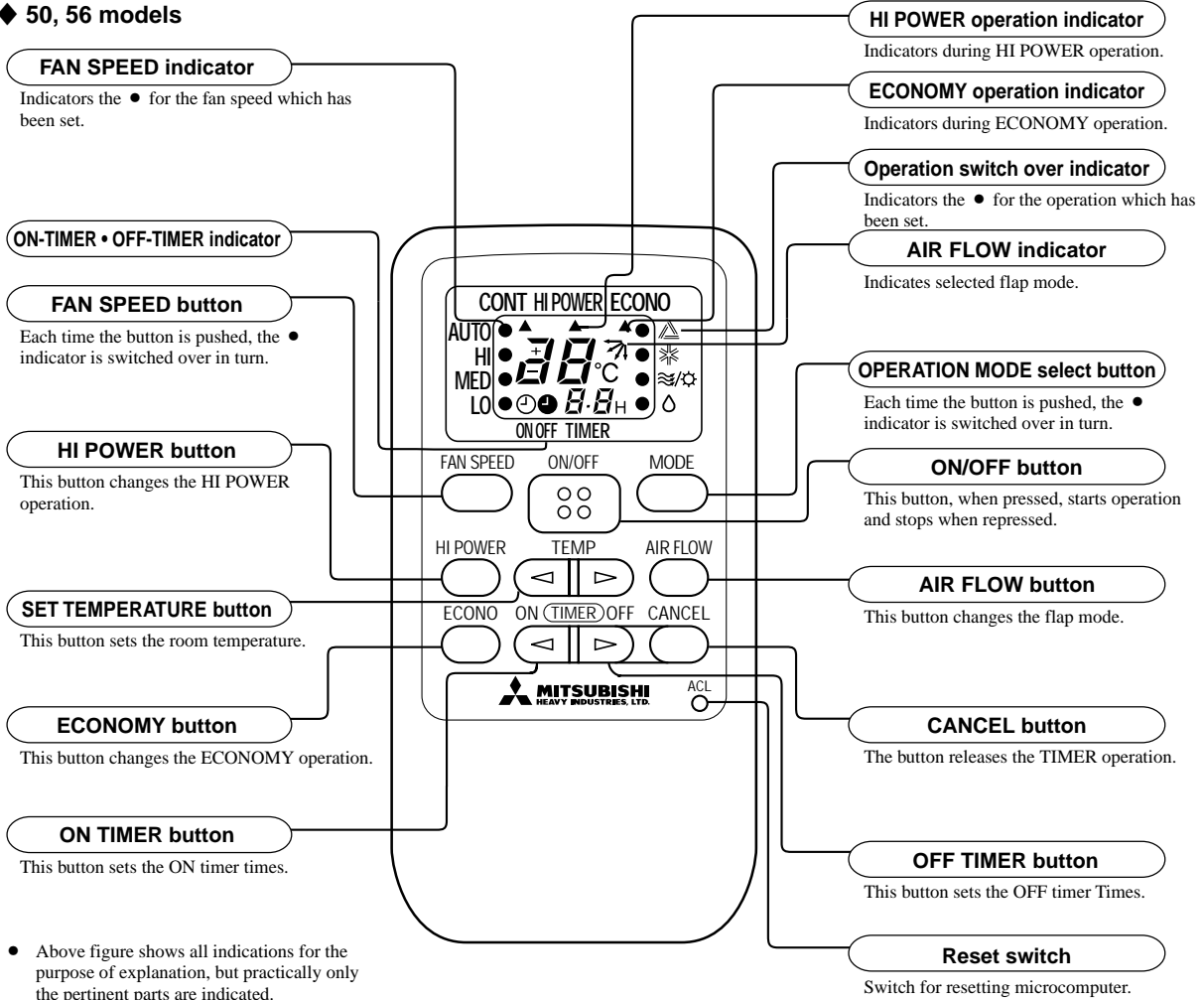
1.4 OUTLINE OF OPERATION CONTROL BY MICROCOMPUTER

1.4.1 Table for operation control

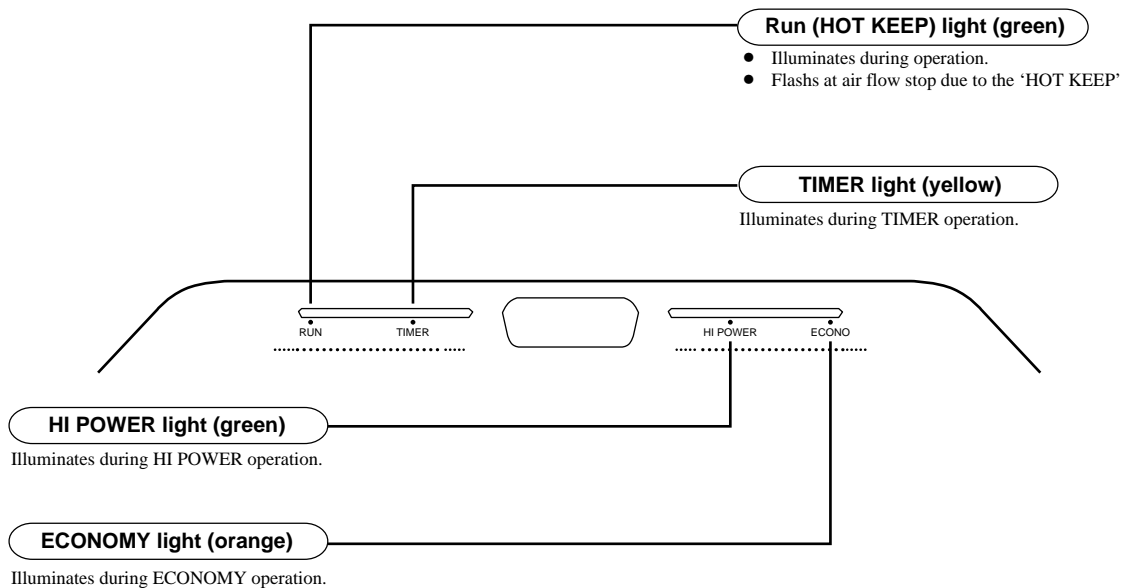
Functions		Content	Referring page		
Comfortability, Economical efficiency, Operational simplicity	High efficiency, low input rotary compressor		-		
	Wireless remote control		68		
	Micro computer control	Dry	Defumidifies while keeping room temperature to the thermostat setting level by M.C. thermostat.	73	
		ON TIMER	ON timer setting for anytime during 24 (32, 40: 12) hours can be performed.	70	
		OFF TIMER	OFF timer setting for favourite time can be performed. Comfortable Cooling and Dry operation to prevent catching cold in sleep and economical operation can be performed, while raising room temperature setting during 1 hour period in steps. While COOL & DRY: When the timer is set to OFF the temperature is increased by 0.5°C simultaneously, by 0.5°C additionally every 30 minutes and by 1.5°C in one hour . While HEAT: When the timer is set to OFF the temperature is decreased by 1°C simultaneously by 1°C additionally every 30 minutes and by 3°C in one hour. (Heat Pump type only)	70	
		Automatic fan control	Room unit air volume can be automatically controlled step by step, according to the difference between room temperature and setting temperature. 1. Shorten pull down time for cooling/heating operation 2. Low noise level operation can be performed by proper air volume.	71	
		3 Hot system [Heat Pump type only] (in heating operation)	HOT START	When heating is initiated, thermostat reset, or heating resumed after defrosting, the indoor fan is automatically controlled stop to set value in accordance with the temperature of the indoor air heat exchanger to prevent the blowing out of cold air.	71
			HOT SPURT	The thermostat temperature setting is automatically increased by 2°C when heating is initiated to provide faster stabilization of room temperature.	72
			HOT KEEP	The indoor fan is stopped depending on the temp, of the indoor heat exchanger to prevent the blowing-out of cold air when the heating operation is stopped by thermostat or defrosting operation is started.	72
		Micro computer (MC) controlled timely defrosting operation (in heating)		The change in the difference between the intake air temperature and the heat exchanger temperature causes the frost and condensation removal operation to start.	74
		M. C. (Micro computer controlled) thermostat		M. C thermostat improves on energy saving and comfort, by controlling room temperature with high accuracy.	-
		Remote control flap		The flap can be automatically controlled by operating wireless remote control. • AUTO (Natural flow) : Flap operation is automatically controlled. • 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.	66
	Comfort timer (Cooling & Heating)		The room temperature is checked 60 minutes before the timer is at ON. Depending on the temperature at that time, the operation starts 5 to 60 minutes before the timer is at ON.	70	
	Self Diagnosis Function		We are constantly trying to do better service to our customers by installing such judges that show abnormality of each function as follows: • Abnormality of outdoor unit: TIMER lamp flashing. • Abnormality of indoor fan motor: RUN lamp flashing. • Abnormality of heat exchanger thermistor: } No lamp will flashing when the unit is operating • Abnormality of room temperature thermistor: } RUN lamp flashing.	76	

(1) Remote controller

◆ 50, 56 models



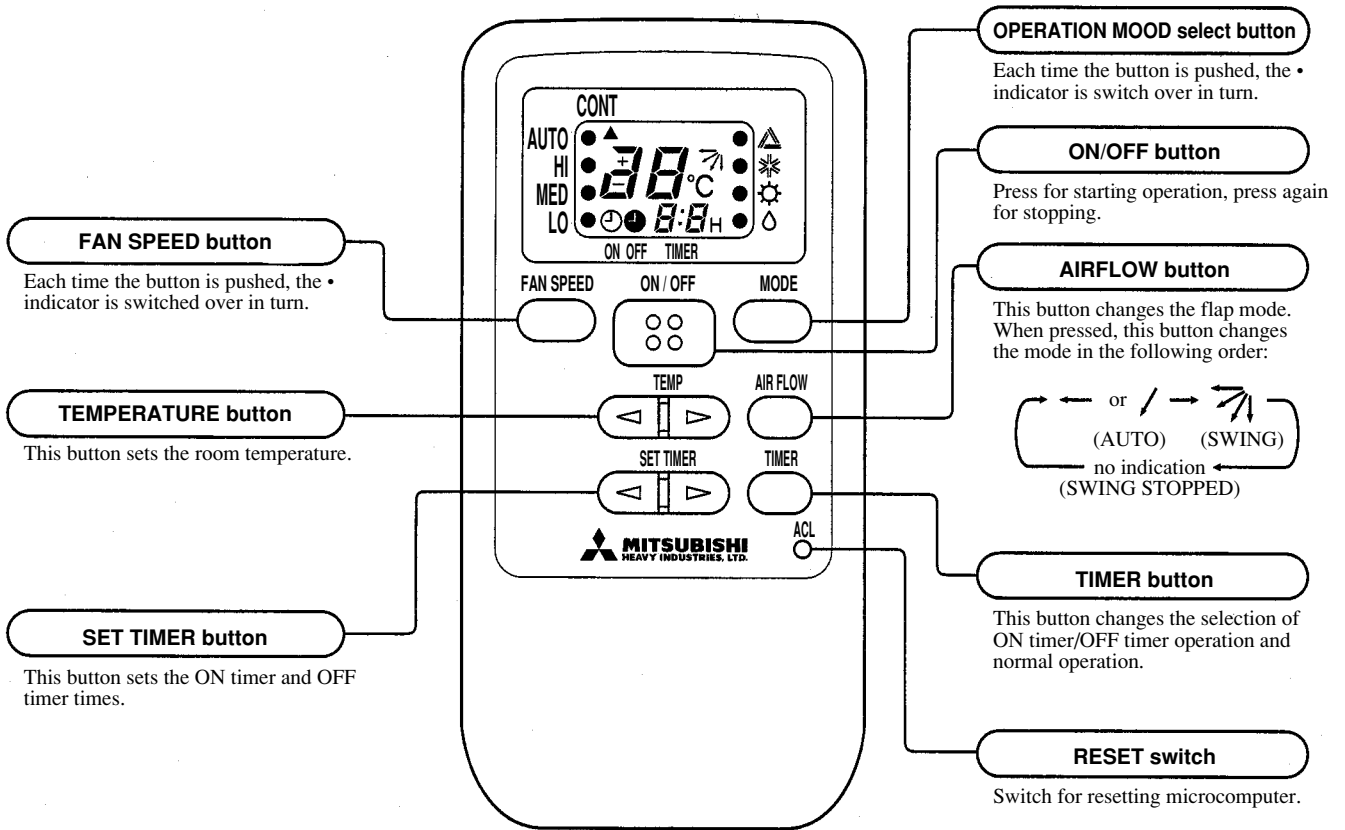
Indoor unit indicator



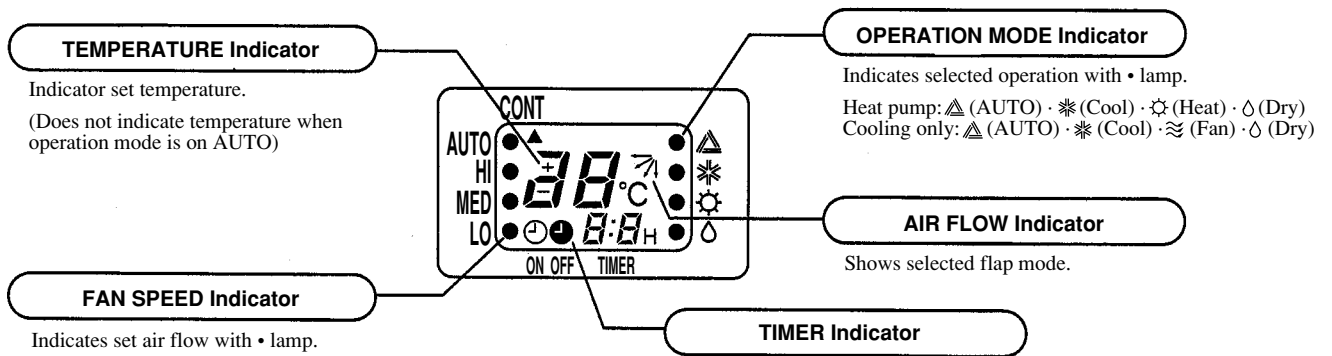
(4) Operation control function by remote control switch

Remote control switch

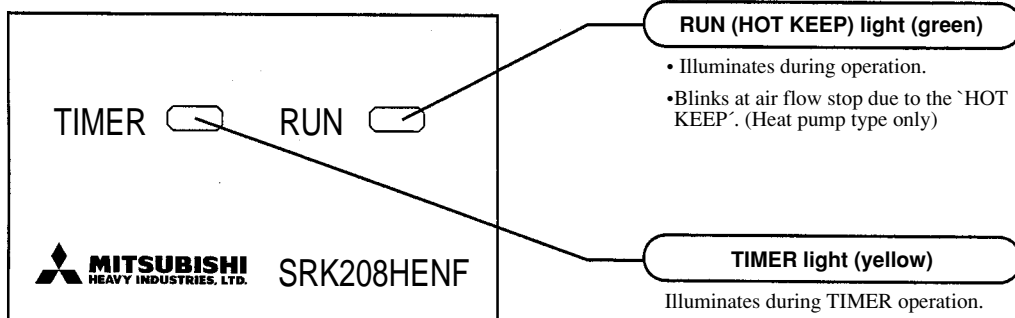
◆ Models SRK 208, 258, 288, 328, 408 models



• The above illustration shows all controls, but in practice the relevant parts are shown.



Unit indication section



(3) Back-up Switch

When the remote controller batteries become weak, or if the remote controller is lost or malfunctioning, this switch may be used to turn the unit on and off.

(a) Operation

Push the switch once to place the unit in the automatic mode. Push it once more to turn the unit off.

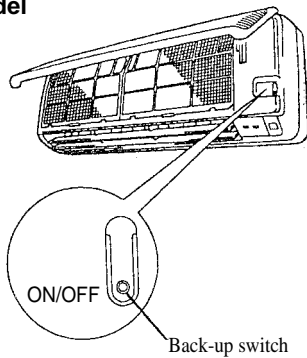
(b) Details of operation

The unit will go into the automatic mode in which it automatically determines, from room temperature (as detected by sensor), whether to go into the cooling, thermal dry or heating modes.

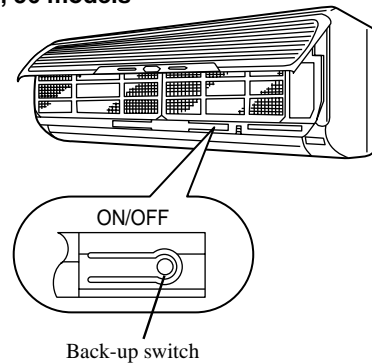
Function / Operation mode	Room temperature setting	Fan speed	Flap	Timer switch
Cooling	About 26°C	Auto	Natural flow	Continuous
Thermal dry	About 25°C			
Heating	About 25°C			

On operating in automatic operation mode by back-up switch, functions show in the above table are not altered, while, the other micro-computer control functions remain effective.

• 40 model



• 50, 56 models



(4) AUTOMATIC operation

(a) Determination of operation mode

◆ 50, 56 models

The blow operation of the indoor fan is carried out at the 1st speed for 20 seconds and the room temperature is checked to determine the operation mode automatically. (When the unit is operated by the turn-on timer, the blow operation is not carried out.)

Room temperature		Room temp.<21°C	21°C≤Room temp.<26°C	26°C≤Room temp.
Operation mode	Heat Pump type	Heating	Dry	Cooling
	Cooling only type	Dry		Cooling

◆ 40 model

When starting operation after more than 1 hour since operation stops

(Operation stop button ON or ON-Timer), this system operates indoor fan with Lo for 20 seconds checks room temperature and allowing decision of operating mode automatically.

Room temperature	Room temperature<21°C	21°C≤Room temperature<26°C	26°C≤Room temperature
Operation mode	Heating	Dry	Cooling

Note (1) Operating Mode is not altered due to change of room temperature.

When intended to change operating mode, switch operation change over dial to the intended mode.

(b) The temperature is checked once every 30 minutes after operation start. When the judgment is different from the previous operation mode, the operation mode is transferred. (50, 56 models only)

- (c) When switching to automatic operation during “Heating” “Cooling” “Dry” or when restarting with in 30 minutes (40 : 1 hour) after stopping with automatic operation mode, the former operating mode is selected. (In this case, 20 seconds Lo operation of indoor fan is not performed). When the previous mode is in “FAN”, operation mode is to be set by the above mentioned chart.

(d) Established temperature (operate by the established temperature button on remote controller).

		Wireless remote control signal (Indication)												
		-6	-5	-4	-3	-2	-1	±0	+1	+2	+3	+4	+5	+6
Temperature setting	Cooling	20	21	22	23	24	25	26	27	28	29	30	31	32
	Thermal dry	19	20	21	22	23	24	25	26	27	28	29	30	31
	Heating	19	20	21	22	23	24	25	26	27	28	29	30	31

(5) Comfort timer settings

Temperature is checked beginning 1 hour before the set time, and the power is turned on before the timer setting as necessary to bring the temperature to the proper level by the set time.

Operation mode	Room temperature thermistor (Th1)	Operating start time (amount of time previous to set time that operation begins)
Heating	Under 5°C	60 mins.
	Under 10°C	30 mins.
	Under 15°C	15 mins.
Cooling	Over 40°C	60 mins.
	Over 35°C	30 mins.
	Over 30°C	15 mins.

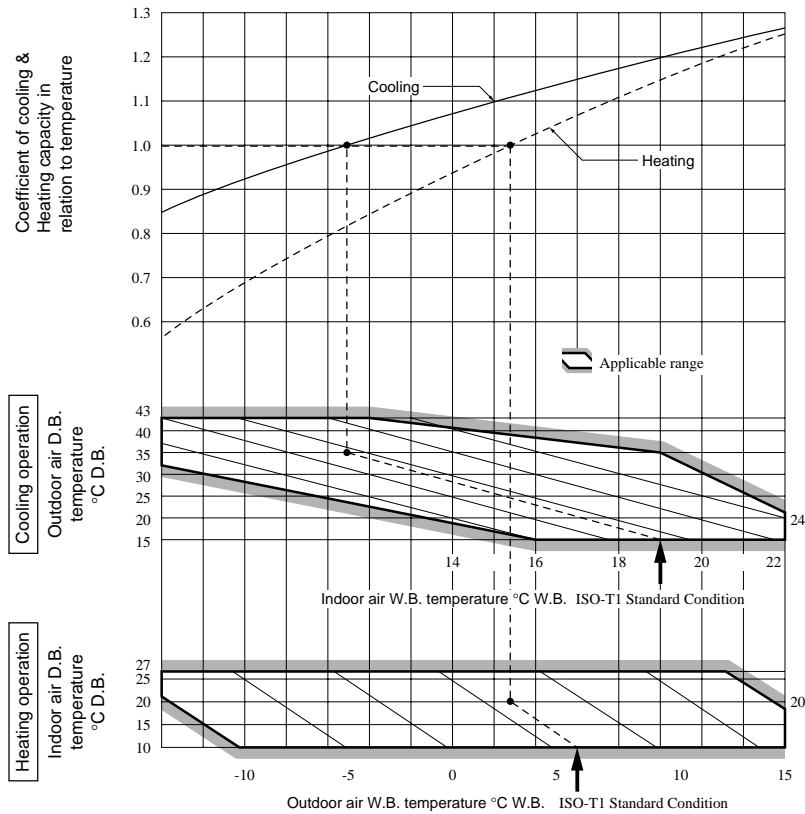
- Notes (1) At 5 minutes before the set time of the turn-on timer, the operation is started regardless of the temperature of the room temperature thermister.
- (2) When the dry or blow operation is selected, this function is not activated. (However, when the automatic dry operation is selected, the function described in article (1) is operated.)

1.2.5 Selection chart

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

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

(1) Coefficient of cooling and heating capacity in relation to temperatures



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

It is necessary to correct the cooling and heating 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
Heating	1.0	1.0	1.0

(3) Correction relative to frosting on outdoor heat exchanger during heating

In additions to the foregoing corrections (1), (2) the heating capacity needs to be adjusted also with respect to the frosting on the outdoor heat exchanger.

Air inlet temperature of outdoor unit in °CWB	-10	-9	-7	-5	-3	-1	1	3	5
Adjustment coefficient	0.95	0.94	0.93	0.91	0.88	0.86	0.87	0.92	1.00

How to obtain the cooling and heating capacity

Example : The net cooling capacity of the model SRK50HA with the piping length of 15m, indoor wet-bulb temperature at 19.0°C and outdoor dry-bulb temperature 35°C is Net cooling capacity =

$$\begin{array}{ccccccc}
 \uparrow & & \uparrow & & \uparrow & & \\
 \text{SRK50HA} & \times & \text{Length 15m} & \times & \text{Factor by air temperatures} & = & 4387 \text{ w} \\
 45000 & & 0.975 & & 1.0 & &
 \end{array}$$

Additional refrigerant charge

When refrigerant piping exceeds 7(40 : 7.5) m conduct additional refrigerant charge after refrigerant sweeping.

◆ 50, 56 models

7m over 15m : Additional charge amount per meter = 20g/m

◆ 40 model

Max. 10m : Additional charge amount per meter = 20g/m

10m over 15m : Additional charge amount per meter = 30g/m

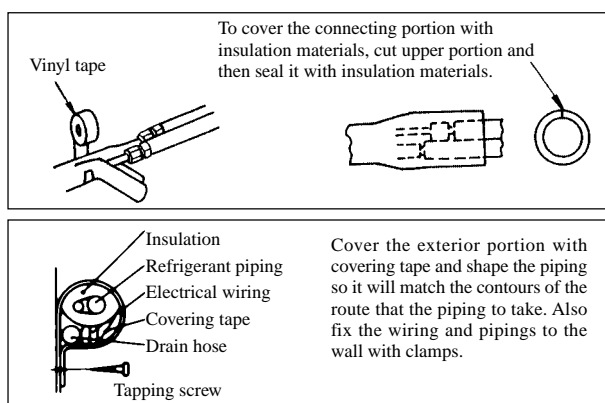
[Example : 50 model]

How much amount of additional charge for 15m piping?

$(15 - 7)m \times 20g/m = 160g$ 160g for additional charge

(4) Insulation of connecting portion

- 1) Cover the connection portion of the refrigerant piping with the pipe cover and seal them.
If neglecting to do so, moisture occurs on the piping and water will drip out.
- 2) Finishing and fixing
 - a) Tie up the piping with wrapping tape, and shape it so that it conforms to which the pipe is attached.
 - b) Fix them with clamps as right figure.



1.5.5 Test run

- (1) Conduct trial run after confirming that there is no gas leaks.
- (2) When conducting trial run set the remote controller thermostat to continuous operation position. However when the power source is cut off or when the unit's operation switch is turned off or was turned to fan operation position, the unit will not go into operation in order to protect the compressor.
- (3) Insert in electric plug into the electric outlet and make sure that it is not loose.
 - (a) When there is something wrong with the electric outlet and if the insertion of the electric plug is insufficient, there may occur a burn out.
 - (b) It is very important to be careful of above when plugging in the unit to an already furnished electrical outlet.
- (4) Explain to the customer on the correct usage of the air conditioner in simple layman's terms.
- (5) Make sure that drain flows properly.

(6) Standard operation data

(a) Heat pump type

(220/240V)

Item	Model	SRK408HENF-L3
High pressure MPa(kgf/cm ²)	Cooling	-
	Heating	1.76 ~ 1.96 (18 ~ 20)
Low pressure MPa(kgf/cm ²)	Cooling	0.39 ~ 0.49 (4.0 ~ 5.0)
	Heating	-
Temp. difference between suction air and discharge air (°C)	Cooling	12 ~ 16
	Heating	18 ~ 22
Running current (A)	Cooling	6.4/6.4
	Heating	6.5/6.5

(7) Standard operation data

(a) Heat pump type

(220/240V)

Item	Model	SRK208HENF-L	SRK288HENF-L	SRK328HENF-L	SRK408HENF-L
	High pressure (kgf/cm ² G)	Cooling	–	–	–
Heating		15 ~ 17	17 ~ 19	17 ~ 19	18 ~ 20
Low pressure (kgf/cm ² G)	Cooling	4.5 ~ 5.5	4 ~ 5	4.5 ~ 5.5	4 ~ 5
	Heating	–	–	–	–
Temp. difference between suction air and discharge air (°C)	Cooling	14 ~ 16	11 ~ 15	12 ~ 16	12 ~ 16
	Heating	16 ~ 18	18 ~ 22	18 ~ 22	18 ~ 22
Running current (A)	Cooling	3.4/3.6	4.5/4.6	6.9/6.9	6.4/6.4
	Heating	3.0/3.4	4.0/4.1	6.1/6.1	6.5/6.5

(220V/240V)

Note (1) The data are measured at following conditions

Ambient air temperature

Indoor side: Cooling ... 27°C DB, 19°C WB, Heating ... 20°C DB

Outdoor side: Cooling ... 35°C DB, 24°C WB, Heating ... 7°C DB, 6°C WB

(b) Cooling only type

(220/240V)

Item	Model	SRK208CENF-L	SRK258CENF-L	SRK288CENF-L	SRK328CENF-L	SRK408HENF-L
	High pressure (kgf/cm ² G)		–	–	–	–
Low pressure (kgf/cm ² G)		5 ~ 6	5 ~ 6	4 ~ 5	5 ~ 6	4 ~ 5
Temp. difference between suction air and discharge air (°C)		11 ~ 13	12 ~ 16	13 ~ 17	12 ~ 16	13 ~ 17
Running current (A)		2.5/2.6	3.3/3.4	4.1/4.2	4.3/4.4	6.4/6.4

(220/240V)

Note (1) The data are measured at following conditions

Ambient air temperature

Indoor side: 27°C DB, 19°C WB

Outdoor side: 35°C DB, 24°C WB

(220/230/240V)

Item	Model	SRK50HA	SRK56HA
	High pressure MPa(kgf/cm ²)	Cooling	-
Heating		1.86 ~ 2.06 (19~21)	1.86 ~ 2.06 (19~21)
Low pressure MPa(kgf/cm ²)	Cooling	0.39 ~ 0.49 (4 ~ 5)	0.34 ~ 0.44 (3.5 ~ 4.5)
	Heating	-	-
Temp. difference between suction air and discharge air (°C)	Cooling	12 ~ 16	12 ~ 16
	Heating	19 ~ 23	21 ~ 25
Running current (A)	Cooling	8.4/8.0/7.7	9.7/9.3/8.9
	Heating	8.5/8.1/7.9	9.8/9.4/9.0

(b) Cooling only type

(220/230/240V)

Item	Model	SRK50CA	SRK56CA
	High pressure MPa(kgf/cm ²)		-
Low pressure MPa(kgf/cm ²)		0.39 ~ 0.49 (4 ~ 5)	0.34 ~ 0.44 (3.5 ~ 4.5)
Temp. difference between suction air and discharge air (°C)		12 ~ 16	12 ~ 16
Running current (A)		8.4/8.0/7.7	9.7/9.3/8.9

Note (1) The data are measured at following conditions.

Ambient air temperature

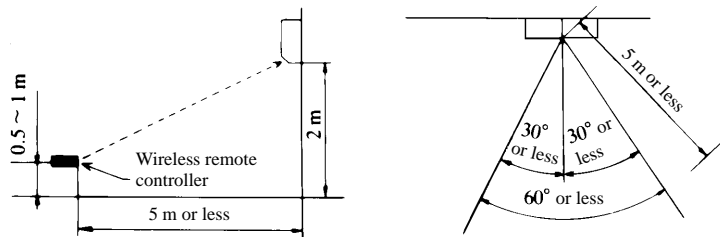
Indoor side: Cooling ... 27°C DB, 19°C WB, Heating ... 20°C DB

Outdoor side: Cooling ... 35°C DB, 24°C WB, Heating ... 7°C DB, 6°C WB

1.5.6 Precautions for wireless remote controller installation and operation

(1) Wireless remote controller covers the following distances:

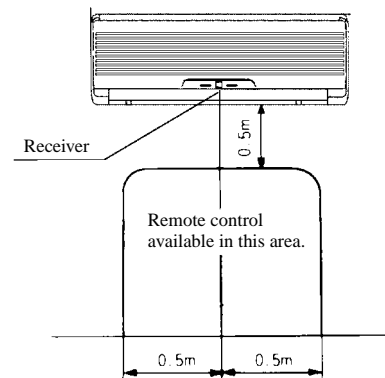
(a) When operating facing the air-conditioner:



- Notes (1) The remote controller is correctly facing the sensing element of the air conditioner when being manipulated.
- (2) The typical coverage is indicated (in the left illustration). It may be more or less depending on the installation.
- (3) The coverage may be less or even nil. If the sensing element is exposed to strong light, such as direct sunlight, illumination, etc., or dust is deposited on it or it is used behind a curtain, etc.

(b) When manipulating the remote controller mounted on a wall:

Make sure that it works normally (i.e., transmission/reception signal is audible) before mounting.



(220/240V)

Item	Model	SRK501HENF-L	SRK561HENF-L
High pressure MPa(kgf/cm ²)	Cooling	–	–
	Heating	1.67~1.86 (17 ~ 19)	1.76 ~ 1.96 (18 ~ 20)
Low pressure MPa(kgf/cm ²)	Cooling	0.39 ~ 0.49 (4 ~ 5)	0.34 ~0.44 (3.5 ~ 4.5)
	Heating	–	–
Temp. difference between suction air and discharge air (°C)	Cooling	12 ~ 16	13 ~ 18
	Heating	19 ~ 23	21 ~ 25
Running current (A)	Cooling	8.4/8.2	10.2/9.53
	Heating	8.5/8.3	10.5/9.95

(b) Cooling only type

(220/240V)

Item	Model	SRK501CENF-L	SRK561CENF-L
High pressure MPa(kgf/cm ²)		–	–
Low pressure MPa(kgf/cm ²)		0.39 ~ 0.49 (4 ~ 5)	0.34 ~ 0.44 (3.5 ~ 4.5)
Temp. difference between suction air and discharge air (°C)		12 ~ 16	13 ~ 18
Running current (A)		8.4/8.2	10.2/9.53

Note (1) The data are measured at following conditions.

Ambient air temperature

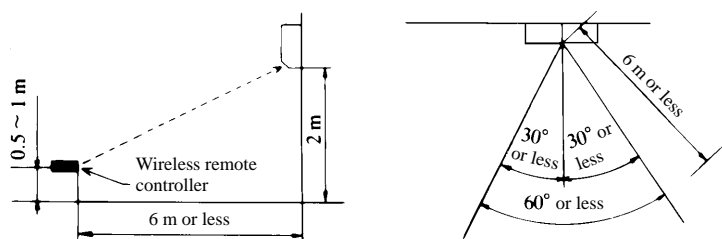
Indoor side: Cooling ... 27°C DB, 19°C WB, Heating ... 20°C DB

Outdoor side: Cooling ... 35°C DB, 24°C WB, Heating ... 7°C DB, 6°C WB

2.5.6 Precautions for wireless remote controller installation and operation

(1) Wireless remote controller covers the following distances:

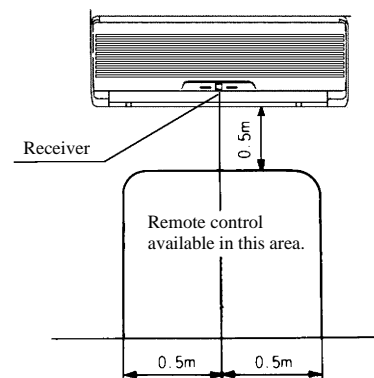
(a) When operating facing the air-conditioner:



- Notes (1) The remote controller is correctly facing the sensing element of the air conditioner when being manipulated.
 (2) The typical coverage is indicated (in the left illustration). It may be more or less depending on the installation.
 (3) The coverage may be less or even nil. If the sensing element is exposed to strong light, such as direct sunlight, illumination, etc., or dust is deposited on it or it is used behind a curtain, etc.

(b) When manipulating the remote controller mounted on a wall:

Make sure that it works normally (i.e., transmission/reception signal is audible) before mounting.

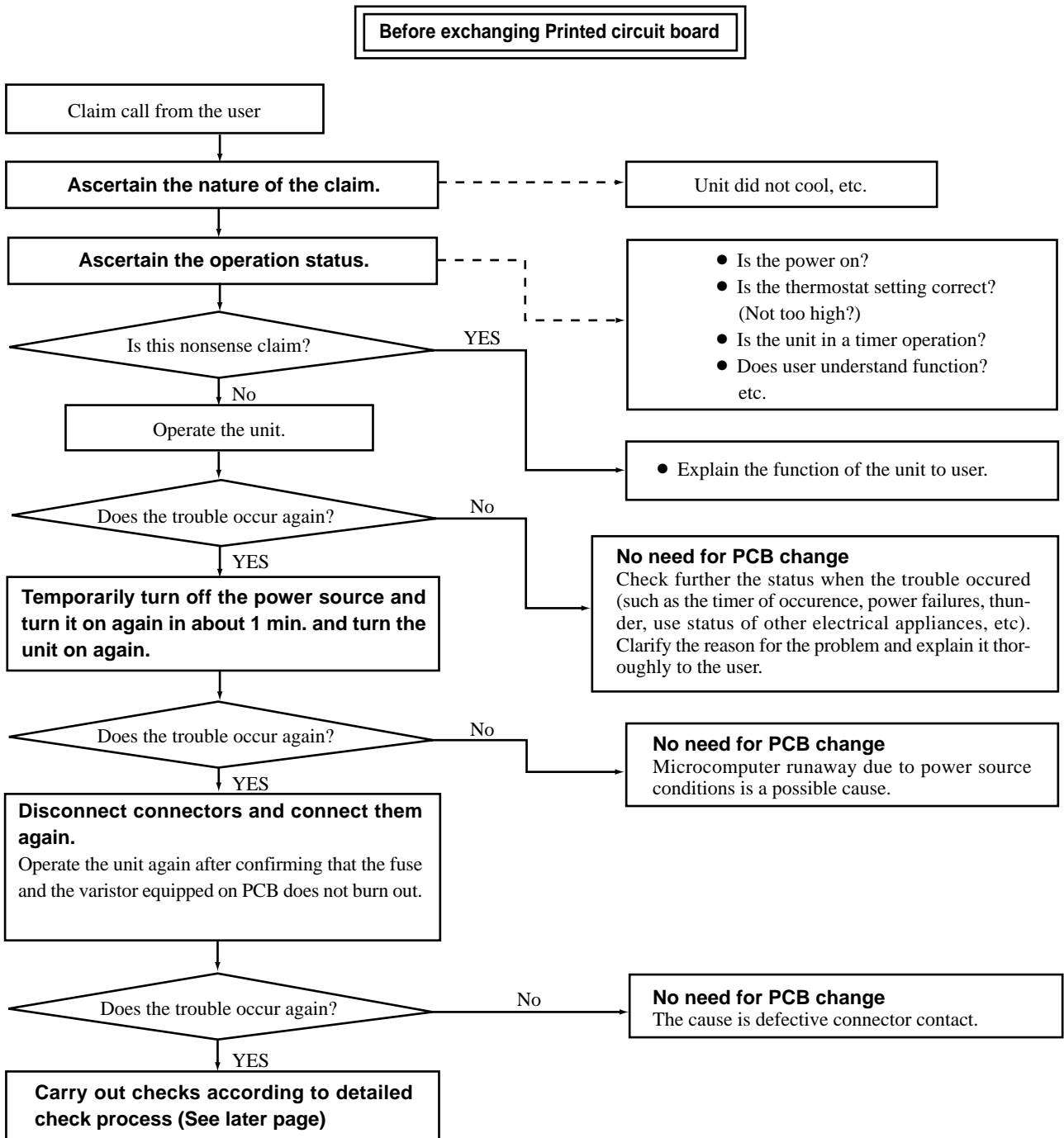


1.6 MAINTENANCE DATA

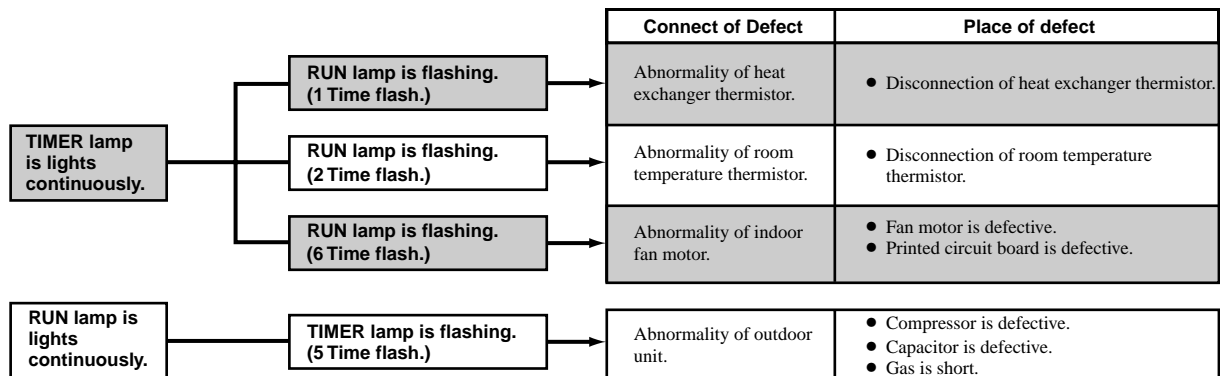
1.6.1 Trouble shooting

(1) Trouble shooting to be performed prior to exchanging PCB, (Printed circuit board) [Common to all models]

All the models described in this chapter are controlled by a microcomputer. When providing maintenance service to customers it is necessary to understand the function controlled by a micro computer thoroughly, so as not to mistakenly identify correct operations as mis-operations. It is also necessary to perform the following simple checks before conducting detailed checks or exchanging printed circuit board.

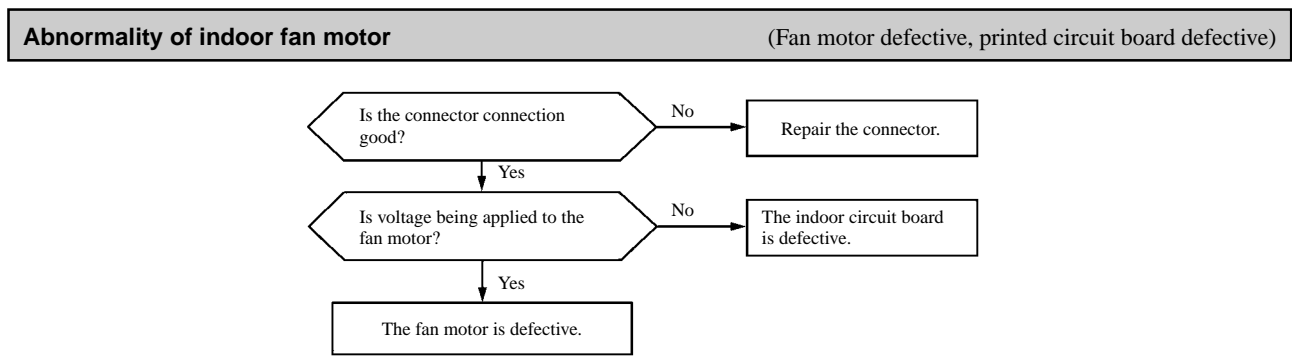
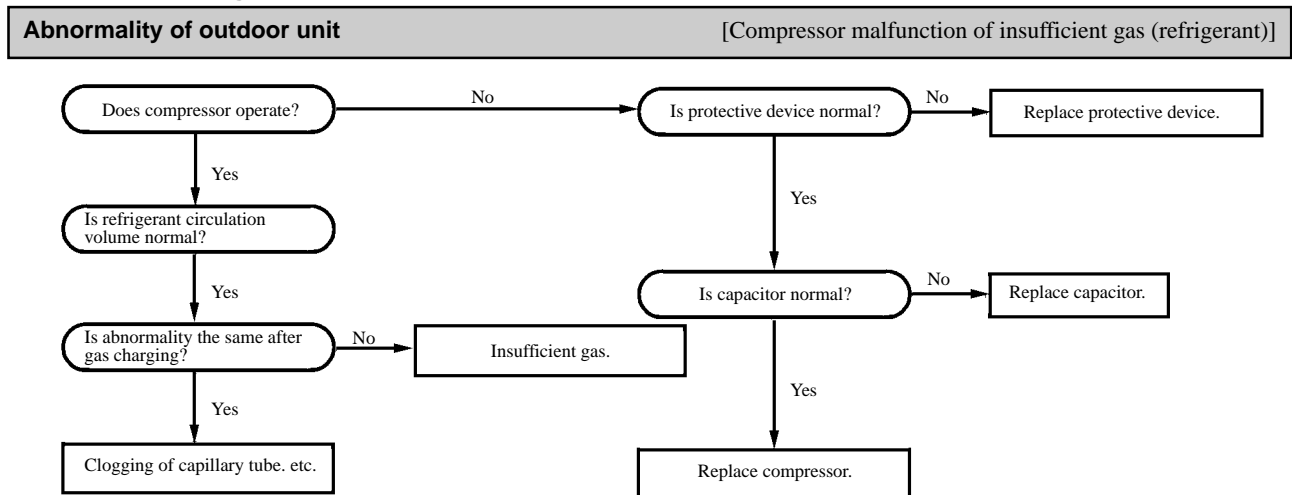


(2) Indication of Self Diagnosis (Indoor unit)



Note (1) When an abnormality is indicated on the outdoor unit for the cooling only model, check the fuse on the outdoor unit. If the fuse is burnt out, replace it with new one.

(3) Troubleshooting



Anormality of thermistor

Disconnection of thermistor and defective connection of connector

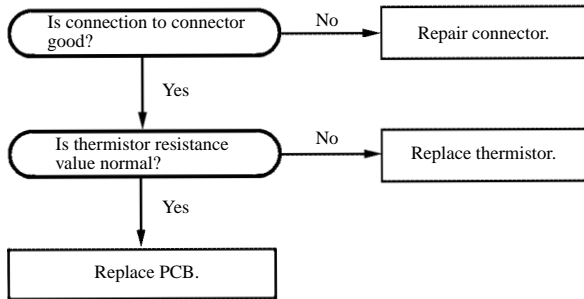
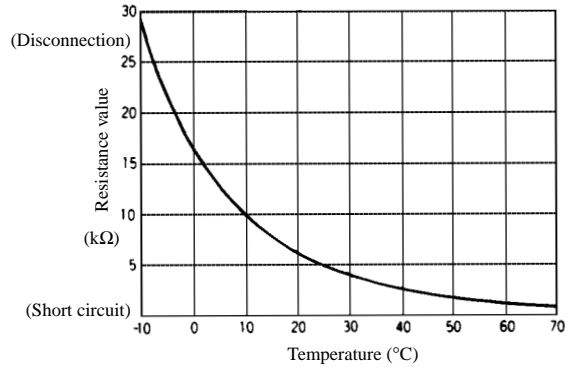
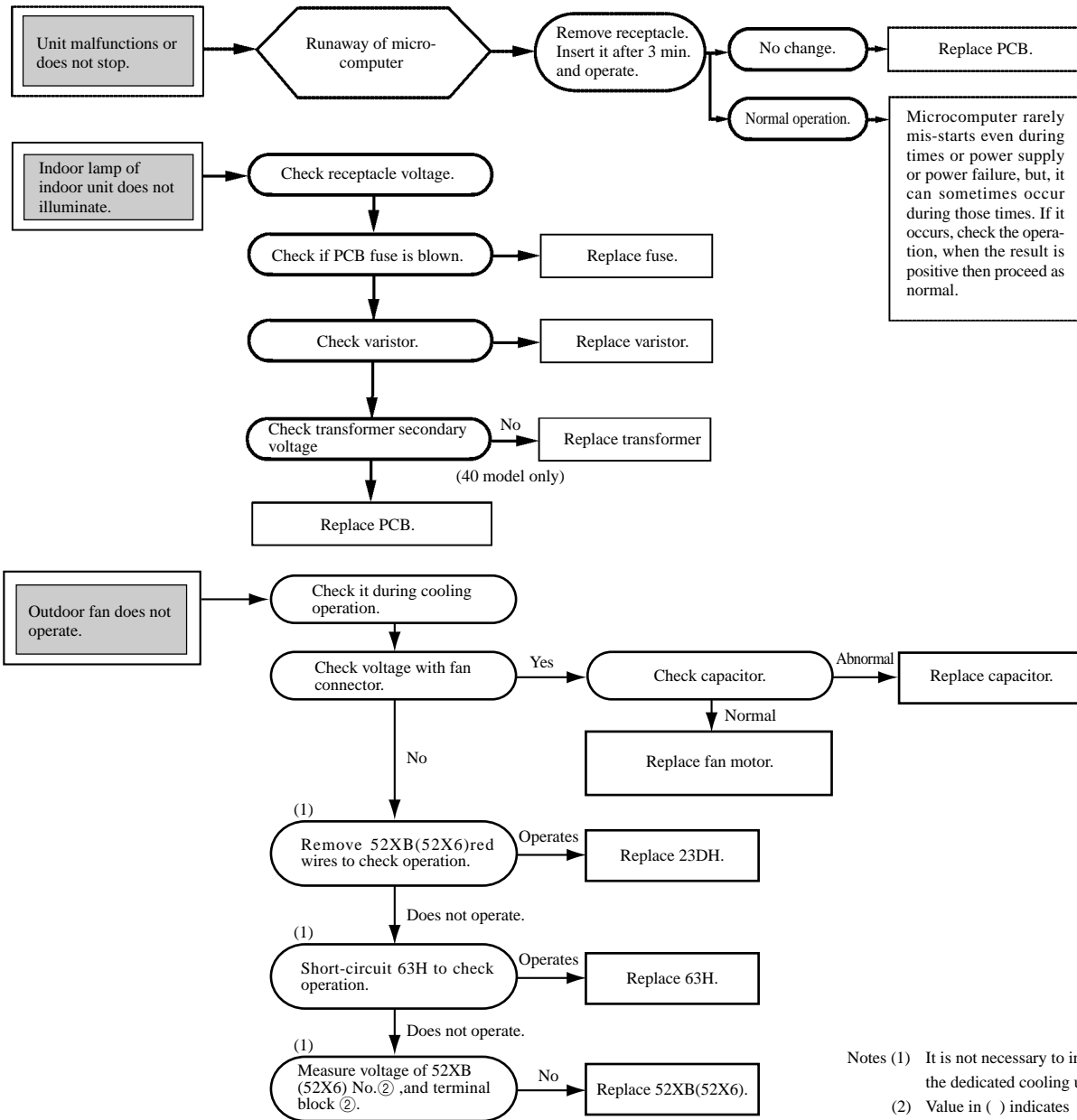


Chart for thermistor temperature resistance characteristics



(4) Trouble Diagnostic Procedures



Notes (1) It is not necessary to inspect the dedicated cooling unit.
 (2) Value in () indicates 40models

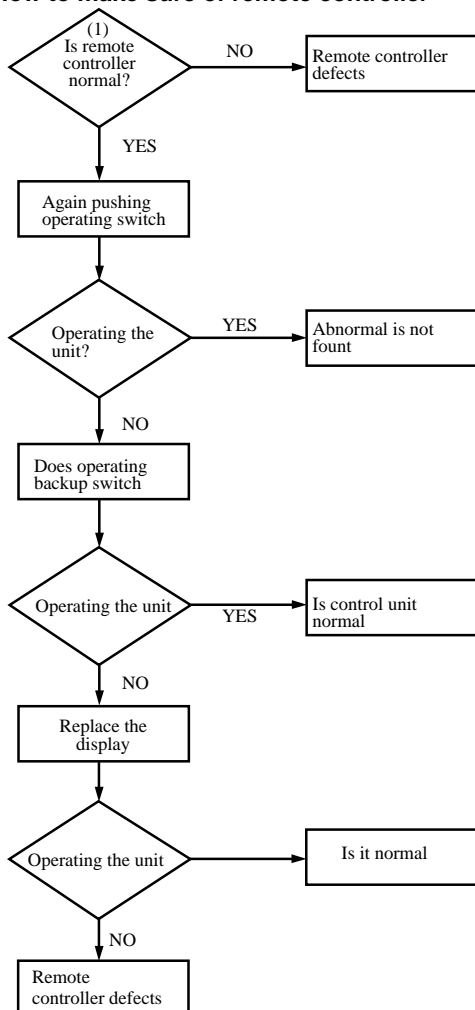
(5) Trouble shooting chart for the room temperature thermistor (Th1), heat exchanger thermistor (Th2) and defrost thermostat (23DH)

Unit	Thermistor	Operation	Function	
			Short circuit	Broken connection
Indoor unit	Room temperature thermistor ⁽¹⁾ (Th1) except for "continuous" thermal setting.	Cooling	Continuous Cooling operation <ul style="list-style-type: none"> Cannot be turned ON/OFF by thermostat When FMI is on. "AUTO" is continuously Hi 	Cooling will not operate <ul style="list-style-type: none"> FMI : continuous operation CM,FMo: stopped
		Heating	Heating will not operate (CM, FMo, FMI all stopped)	Continuous heating operation. <ul style="list-style-type: none"> Cannot be turned ON/OFF by thermostat When FMI is on. "AUTO" is continuously Hi
	Heat exchanger thermistor (Th2)	Cooling	Cooling will not operate.	Cooling will operate <ul style="list-style-type: none"> Heat exchanger frost preventer begins to operate Cools alternately for 10 minutes, stopping for 3 minutes.
		Heating	Heating will not operate <ul style="list-style-type: none"> Heating overload protect begins to operate When FM is on, "AUTO" is continuously Hi CM, FMo are stopped 	Heating will not operate normally <ul style="list-style-type: none"> CM, FMo are ON FMI is OFF Hot keep lamp illuminated
Outdoor unit	Defrost thermostat (23DH)	Cooling	Cooling will not operate (blown breaker) <ul style="list-style-type: none"> CM, FMI are ON FMo is OFF 	No effect
		Heating	Heating will not operate normally (The defrosting will operate normally, but 23DH reset is not possible. Defrosts for 10 minutes)	Heating will operate. <ul style="list-style-type: none"> Unable to defrost⁽²⁾ Will not operate for very long when outside air temperature is low

Notes

- (1) When the room temperature thermistor (Th1) will not operate normally. Cooling or heating operation may be run continuously by putting the thermostat setting on "CONTINUOUS"
- (2) When switching to the defrost cycle, 23DH opens (broken connection), the mechanism resets to heating, and defrosting will not operate.

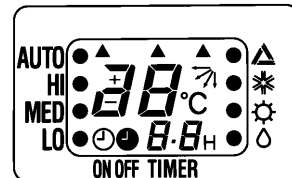
(6) How to make sure of remote controller



Note (1) How to check the remote controller

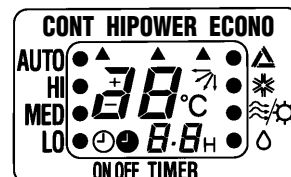
◆ 40 model

- Press the reset switch of remote controller.
- If the salmost normal if entire display of remote controller is shown after indication.



◆ 50,56 models

- Press the reset switch of remote controller.
- If the salmost normal if entire display of remote controller is shown after indication.



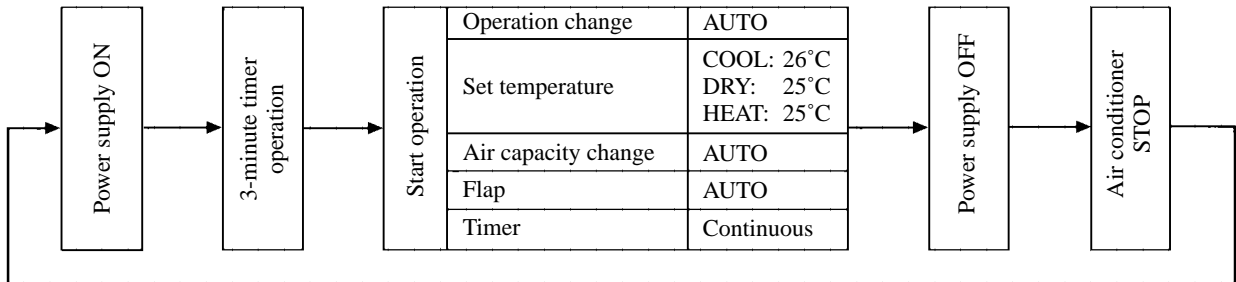
1.6.3 Power supply remote operation

When the remote part on indoor unit PCB is modified, the air conditioner is turned ON-OFF by power supply ON-OFF operation without using remote control switch.

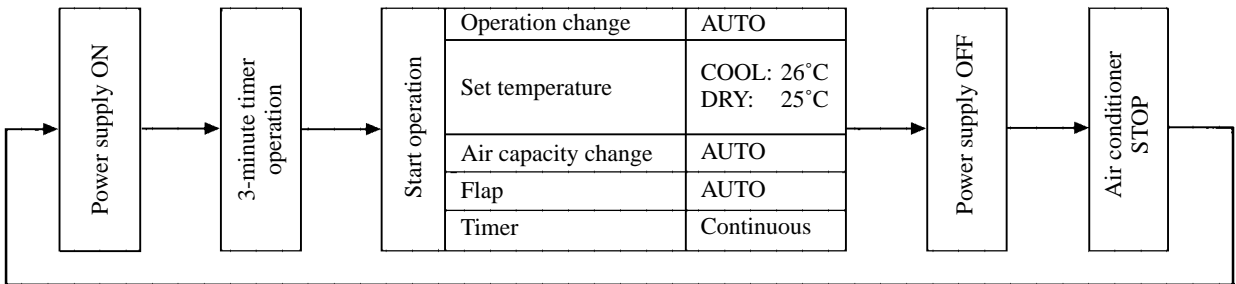
After the power supply remote operation, the operation contents can be modified by the remote controller.

(1) Operation contents

(a) Heat pump type



(b) Cooling only type



(2) Modification method

◆ 40 model

Solder the high-speed switching diode (manufacturer: Matsushita, Manufacture type No.: MA165) to “Remote” part on the PCB in the direction as shown in the diagram below.

