

# <u>Линейка кондиционеров Mitsubishi Heavy на</u> <u>сезон 2002 года.</u>

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 288 HENF-L	SRK 258 CENF-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.

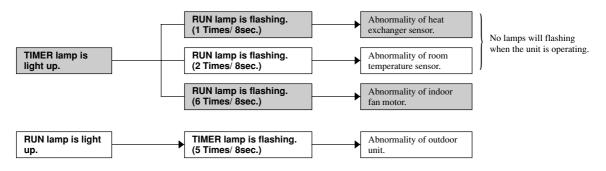
- AUTO (Natural flow) : Flap operation is automatically control.
- Swing : This will swing the flap up and down.
- Memory flap : Once the flap position is set, the unit memorizes the position and continues to
  - operate at the same position from the next time.

#### (2) Automatic Operation

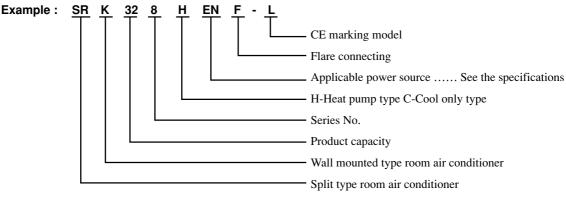
When the remote control switch is set on "auto", it will either automatically decide operation mode such as cooling, heating and thermal dry, or operate in the operation mode before it has been turned to automatic control.

#### (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 <sup>(1)</sup>				1800/1	850			
Heating capac	ity <sup>(1)</sup>		w	2000/2050				
Power source				1 Phase, 220/240V, 50Hz				
Cooling input			kW	0.690/0	.775			
(j)	Running current (Cooling)		Α	3.4/3.6				
Running current (Cooling) Heating input Running current (Heating) Inrush current COP (In cooling)		kW	0.620/0	735				
		Α	3.0/3	.4				
lati	Inrush curre		A	17.3/1	8.9			
e l	COP (In coo	ling)		2.61/2	.39			
0	Noise level		dB(A)	Cooling: 36/37 Heating: 38/39	Cooling: 46/47 Heating: 47/48			
Exterior dimen					· · ·			
Height x Wid			mm	275 x 790 x 174	492 x 750 x 220			
Color				Ivory white	Polar white			
Net weight			kg	7.5	27			
Refrigerant eq	•			_	RM5485GNE2 (Rotary type) x 1			
Compressor	rtype & Q'ty							
Motor			kW	-	0.65			
Starting m				_	Line starting			
	Heat exchanger			Louver fins & bare tubing				
Refrigerant of	control			Capillary tubes				
Refrigerant <sup>(4)</sup>			kg	R22 0				
Refrigerant oil			l	0.35 (BARREL FR	EEZE 32SAM)			
Defrost control				MC con	trol			
Air handling e				Tangential fan x 1	Propeller fan x 1			
Fan type & C	۵'ty			-	-			
Motor			W	16	17			
Air flow (at H	ligh)	(Cooling)	смм –	7.0/7.0	21/22			
		(Heating)	•	7.5/7.5	21/22			
Air filter, Q't	у			Polypropylene net (washable) x 2	_			
Shock & vibrat	tion absorber			-	Cushion rubber (for compressor)			
Electric heater				-	-			
Operation con				Wireless–Remote controller	_			
Operation su								
•	erature contro	)I		MC. Thermostat	_			
Pilot lamp				RUN (Green), TIMER (Yellow)	-			
Safety equipm	ent			_	Dome mounted protector (for compressor			
r	0.0				Internal thermostat (for fan motor)			
t -	O.D		mm(in)	Liquid line: ø6.35 (1/4")				
era	Connecting			Flare conr	necting			
Refrigerant piping	Attached len	gth of piping		Liquid line: 0.4m Gas line: 0.35m	_			
Pip	Inculation				oth oideo)			
insulation				Necessary (B				
Drain hose				Connect				
Power source				2.5m (3 cores				
Connection Size x Core number				1.5mm <sup>2</sup> x 5 cores (Incl				
	wiring Connecting method			Terminal block (Screw fixing type)				
wiring Accessories (i		method		Mountin				

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

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

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

Item		Model	SRK288HENF-L	SRC288HENF-L		
Cooling capacity <sup>(1)</sup>			W	2500/25	500	
Heating capacity <sup>(1)</sup>			w	2900/3000		
Power source				1 Phase, 220/2	40V, 50Hz	
Cooling input			kW	0.930/1.	005	
Running current (Cooling)       Heating input       Running current (Heating)       Inrush current       COP (In cooling)		Α	4.5/4.	6		
		kW	0.83/0.	91		
u	Running cu	rrent (Heating)	Α	4.0/4.	1	
rati	Inrush curre	ent	Α	18.2/19	0.6	
COP (In coo		oling)		2.69/2.	49	
0	Noise level	5)	dB(A)	Cooling:38/39 Heating:38/41	Cooling:41/42 Heating:42/43	
Exterior dime	nsions				· · ·	
Height x Wi	dth 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 ed	quipment				DM5512CNE1 (Detery type) v 1	
Compresso	r type & Q'ty			-	RM5512GNE1 (Rotary type) x 1	
Motor			kW	_	0.9	
Starting r	nethod			_	Line starting	
Heat excha	nger			Louver fins & inner grooved tubing		
Refrigerant	control			Capillary	tubes	
Refrigerant <sup>(4)</sup>			kg	R22 0	.88	
Refrigerant oi	I		l	0.35 (SUNISO )	Z300HDS)	
Defrost control	ol			MC cont	rol	
Air handling e Fan type &				Tangential fan x 1	Propeller fan x 1	
Motor	- · · J		w	16	11	
Air flow (at	High)	(Cooling)		7.5/7.5	23	
All non (at	g/	(Heating)	СММ	8.0/8.0	23	
Air filter, Q'	tv	(neuting)		Polypropylene net (washable) x 2		
Shock & vibra	•	r			Cushion rubber (for compressor)	
Electric heate		•				
Operation cor					_	
Operation s				Wireless-Remote controller	-	
	erature contro	ol		MC. Thermostat		
Pilot lamp		-		RUN (Green), TIMER (Yellow)		
Safety equipn	nent				Dome mounted protector (for compressor)	
, • <b></b> pi				-	Internal thermostat (for fan motor)	
	O.D		mm(in)	Liquid line: ø6.35 (1/4")		
ant	Connecting	method	. ,	Flare conn		
Refrigerant piping		ngth of piping		Liquid line: 0.4m		
Refrige piping				Gas line: 0.35m	-	
ش <u>ا</u> nsulation			Necessary (Bo	oth sides)		
Drain hose				Connect		
Power source	cord			2.5m (3 cores v		
Connection	Size x Core	number		1.5mm <sup>2</sup> x 5 cores (Incl		
wiring	Connecting			Terminal block (Scr		
Accessories (	0			Mountin	0 11 /	
	s			mounting	g	

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

Item	Indoor air t	emperature	Outdoor air	Standards	
Operation	DB	WB	DB	WB	Standards
Cooling	27ºC	19ºC	35ºC	24ºC	JIS C9612, ISO-T1
Heating	20ºC	-	7ºC	6ºC	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.)

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

Item		Model	SRK328HENF-L2	SRC328HENF-L2				
Cooling capa	city <sup>(1)</sup>		W	3000/3000				
Heating capa	city <sup>(1)</sup>		w	3800/3	800			
Power source	)			1 Phase, 220/240V, 50Hz				
Cooling input			kW	W 1.39/1.49				
a <sup>(1)</sup>	Running cur	rent (Cooling)	Α	6.9/6.9				
dat	Heating inpu		kW	1.19/1.32				
Running current (Cooling)       By       Heating input       Running current (Heating)       Inrush current       COP (In cooling)		Α	6.1/6	1				
		Α	33.6/30	6.6				
be	COP (In coo	ling)		2.16/2	.01			
0	Noise level	•	dB(A)	Cooling: 40/42 Heating: 41/43	Cooling: 44/46 Heating: 45/47			
Exterior dime	nsions							
	dth x Depth		mm	275 x 790 x 174	542 x 795 x 255			
Color	· ·			Ivory white	Polar white			
Net weight			kg	8	37			
Refrigerant e			-		PM5517GNE2 (Potony type) + 4			
Compresso	r type & Q'ty			-	RM5517GNE2 (Rotary type) x 1			
Motor			kW	_	1.3			
Starting r	nethod			_	Line starting			
Heat excha	Heat exchanger			Louver fins & bare tubing				
Refrigerant	control			Capillary	tubes			
Refrigerant <sup>(4)</sup>			kg	R22 0	).74			
Refrigerant of	il		l	0.6 (BARREL FRI	EEZE 32SAM)			
Defrost contro				MC con				
Air handling e								
Fan type &				Tangential fan x 1	Propeller fan x 1			
Motor			W	16	15			
Air flow (at	High)	(Cooling)		8.5/8.5	24/24.5			
		(Heating)	СММ	9.5/9.5	24/24.5			
Air filter, Q'	ty			Polypropylene net (washable) x 2	_			
Shock & vibra	tion absorber			_	Cushion rubber (for compressor)			
Electric heate	r			_	_			
Operation con	ntrol							
Operation s				Wireless–Remote controller	-			
-	erature contro	)		MC. Thermostat	-			
Pilot lamp				RUN (Green), TIMER (Yellow)	_			
Safety equipr	nent				Dome mounted protector (for compressor)			
				-	Internal thermostat (for fan motor)			
Ŧ	O.D		mm(in)	Liquid line: ø6.35 (1/4")	Gas line: ø12.7 (1/2")			
erar	Connecting	method		Flare conr	ecting			
ige Jg	Attached len	gth of piping		Liquid line: 0.4m	_			
Refrigerant piping				Gas line : 0.35m	-			
<sup>™</sup> • Insulation				Necessary (B	-			
Drain hose				Connect				
Power source	cord			2.5m (3 cores	with Earth)			
Connection	Size x Core	number		1.5mm <sup>2</sup> x 5 cores (Incl	uding earth cable)			
wiring	Connecting	method		Terminal block (Sc	rew fixing type)			
Accessories	(included)			Mountin	g kit			
Optional parts				_				

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

Item	Indoor air t	emperature	Outdoor air	Standards	
Operation	DB	WB	DB	WB	Standards
Cooling	27°C	19°C	35°C	24°C	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.

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

Power source 1 Phase, 2207240V, 50Hz Cooling input KW 1.320/1.405 Running current (Cooling) A 6.46.4 Heating input KW 1.335/1.460 Running current (Heating) A 6.5/6.5 Inrush current Heating) A 6.5/6.5 COP (in cooling) A 74749 Power level A 7479 Noise Ievel Heating Sound level HI: 50/52 Lo: 31/32 47749 Heating Sound level A HI: 40/42 Lo: 31/32 47749 HI: 50/52 Lo: 53/54 62/64 HI: 55/5 Lo: 53/54 62/64 HI: 55/5 Lo: 53/54 62/64 HI: 55/5 Lo: 53/54 62/64 Exterior dimensions Ketrigerant equipment K Coperation control KW 4 X Both KW - 1.3 Starting method - Louver fins & hare tubing Refrigerant control KW 4 Kg R2 1.3 Refrigerant control Control KG R22 1.3 Refrigerant control Control Control KG R22 1.3 Refrigerant control Cont	Item				Model	SRK408HENF-L	_3	SRC408HENF-L3	
Power source 1 Phase, 220/2404, 50Hz Cooling input KW 1.3220/4.405 Running current (Cooling) A 6.4/6.4 Running current (Cooling) A 6.4/6.4 Running current (Cooling) A 6.4/6.4 Running current (Mathing) A 6.4/6.5 Running current (Mathing) A 6.4/6.4 Running current (Mathing) A 6.4/6.4 Hit : 40/42 Lo : 31/32 47/64 Hit : 41/43 Lo : 31/32 67/64 Running current (Mathing) A 6.4/6.4 Hit : 41/43 Lo : 31/32 67/64 Running current (Mathing) A 6.4/64 Running current (Running current) Running Current (Running) A 7 Running current (Running current (Running) A 7 Running current (Running) A 7 Running current (Running current (Running) A 7 Running	Cooli	ng capacit	<b>/</b> <sup>(1)</sup>		w		3500/	3500	
Cooling input         kW         1.320/1.405           Running current (Cooling)         A         6.4/6.4           Heating input         kW         1.332/1.460           Running current (Heating)         A         6.5/6.5           COP (In cooling)         Cooling         Sound level         2.6572.49           Noise level         Cooling         Bound level         A         3.6/36.6           COP (In cooling)         Sound level         HI: 40/42         Lo : 31/32         47/49           Heating         Bound level         Bound level         HI: 54/56         Lo : 31/32         47/49           Height X Widhx X Depth         mm         275 x 790 x 174         542 x 795 x 255         Color           Feligit X Widhx X Depth         mm         275 x 790 x 174         542 x 795 x 255         Color           Conpressor type & Q ty         KW         -         1.3         Starting method         -         Rth516GON/E4 (Rotary type) x 1           Motor         KW         -         1.3         Starting method         Capillary tubes           Refrigerant control         KW         -         Lower fins & bure tubing         Control           Air filter, Q'ty         Y         Capaillary tubes         Starting method <td colspan="3">Heating capacity<sup>(1)</sup></td> <td></td> <td>w</td> <td colspan="4">4100/4100</td>	Heating capacity <sup>(1)</sup>				w	4100/4100			
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 (n coling)         Sound level (Heating)         A         2.652.49           Noise level         Cooling         Sound level (Heating)         A         2.652.49           Exterior dimensions         Power level (Hi : 54/55         Lo: 33/40         6.1/63           Exterior dimensions         mm         275 x 790 x 174         542 x 795 x 255           Color         Ivory white         Polar white         Polar white           Refrigerant equipment         kg         8         37           Compressor type & Q typ         -         RM5516GNVE4 (Rotary type) x 1           Motor         KW         -         1.3           Starting method         -         Lower fins & bare tubing           Refrigerant oil         é         0.6 (BARREL FREEZ 2SAM)           Defrost control         KW         -         1.3           Air florig (at High)         (Cooling)         W         16         18           Refrigerant oil         é         0.6 (BARREL FREEZ 2SAM) <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1 Phase, 220</td> <td>0/240V, 50Hz</td>							1 Phase, 220	0/240V, 50Hz	
Perform     Heating input     KW     1.335/1.460       Hanning current (Heating)     A     6.5/6.5       Innush current     A     2.65/2.49       COP (In cooling)     Sound level     HI: 40/42     Lo: 31/32     47/49       Noise level     Cooling     Sound level     HI: 40/42     Lo: 31/32     47/49       Hi: 5457     Lo: 31/32     47/49     40/50     40/50       Exterior dimensions     mm     2.75 x 790 x 174     542 x 795 x 255       Color     Invasional power level     Noise level     Noise level     8       Retrigerant equipment     c     -     Rt516GNVE4 (Rotary type) x 1       Motor     KW     -     1.3     1.3       Starting method     -     Lower fine & bare tubing       Retrigerant ontrol     KW     -     1.3       Retrigerant ontrol     KW     -     1.3       Retrigerant ontrol     kg     R22 1.3     1.3       Retrigerant ontrol     kg     R22 1.3     1.3       Retrigerant ontrol     V     16     18       Air flow (at High)     (Cooling)     Cooling     MCCourrol       Air flow (at High)     (Cooling)     CMM     9.50.5     22/22.5       Shock & vibration absorber     -	Cooling input		kW						
Perform     Heating input     KW     1.335/1.460       Hanning current (Heating)     A     6.5/6.5       Innush current     A     2.65/2.49       COP (In cooling)     Sound level     HI: 40/42     Lo: 31/32     47/49       Noise level     Cooling     Sound level     HI: 40/42     Lo: 31/32     47/49       Hi: 5457     Lo: 31/32     47/49     40/50     40/50       Exterior dimensions     mm     2.75 x 790 x 174     542 x 795 x 255       Color     Invasional power level     Noise level     Noise level     8       Retrigerant equipment     c     -     Rt516GNVE4 (Rotary type) x 1       Motor     KW     -     1.3     1.3       Starting method     -     Lower fine & bare tubing       Retrigerant ontrol     KW     -     1.3       Retrigerant ontrol     KW     -     1.3       Retrigerant ontrol     kg     R22 1.3     1.3       Retrigerant ontrol     kg     R22 1.3     1.3       Retrigerant ontrol     V     16     18       Air flow (at High)     (Cooling)     Cooling     MCCourrol       Air flow (at High)     (Cooling)     CMM     9.50.5     22/22.5       Shock & vibration absorber     -		Running	current (Co	oling)	Α		6.4/	6.4	
By orgen         Running current (Heating)         A         6.56.5           Inrush current         A         33.6736.6           Inrush current         Bound level Heating         Bound level Sound level         Hi : 4042         Lo : 31/32         47/49           Exterior dimensions         Bound level Heating         Bound level Power level         Hi : 54/55         Lo : 53/64         62/64           Exterior dimensions         mm         275 x 790 x 174         542 x 795 x 255         Color           Cool r         Ivory white         Polar white         Refrigerant equipment         Kg         8         37           Refrigerant equipment         kg         Refrigerant equipment         Instarting         Instarting         Instarting           Refrigerant equipment         kg         0.6 (BARRELFRELEZ S2SAM)         Courd finsk & hare tubing         Refrigerant equipment         Courd finsk & hare tubing           Refrigerant equipment         kg         0.6 (BARRELFRELEZ S2SAM)         MC control         MC control          Ar finding	£			0,	kW		1.335/	1.460	
Noise level         Four level Heating         Source level Source level         dB         Int. 54/34         Lo. 33/40         Othod           Exterior dimensions         Hill : 41/43         Lo. 33/40         48/50           Height X Width x Depth         mm         275 x 790 x 174         542 x 795 x 255           Color         Vory white         Polar white         Polar white           Not weight         Kg         8         37           Refrigerant equipment Compressor type & Q ty         Kg         8         37           Motor         KW         -         1.3           Mater Schare requipment Compressor type & Q ty         KW         -         1.3           Heat exchanger         KW         -         Louver fins & bare tubing           Refrigerant control         Kg         0.6 (BARREL FREEZ 32SAM)           Defrost control         ℓ         0.6 (BARREL FREEZ 32SAM)           Defrost control         W         16         18           Air flow (at High)         (Cooling)         CMM         8.5/8.5         22/22.5           Air flow (at High)         (Cooling)         CMM         8.5/8.5         22/22.5           Air flow (at High)         (Cooling)         CMM         8.5/8.5         22/22.5	Running cur			ating)	Α		6.5/	6.5	
Noise level         Four level Heating         Source level Source level         dB         Int. 54/34         Lo. 33/40         Othod           Exterior dimensions         Hill : 41/43         Lo. 33/40         48/50           Height X Width x Depth         mm         275 x 790 x 174         542 x 795 x 255           Color         Vory white         Polar white         Polar white           Not weight         Kg         8         37           Refrigerant equipment Compressor type & Q ty         Kg         8         37           Motor         KW         -         1.3           Mater Schare requipment Compressor type & Q ty         KW         -         1.3           Heat exchanger         KW         -         Louver fins & bare tubing           Refrigerant control         Kg         0.6 (BARREL FREEZ 32SAM)           Defrost control         ℓ         0.6 (BARREL FREEZ 32SAM)           Defrost control         W         16         18           Air flow (at High)         (Cooling)         CMM         8.5/8.5         22/22.5           Air flow (at High)         (Cooling)         CMM         8.5/8.5         22/22.5           Air flow (at High)         (Cooling)         CMM         8.5/8.5         22/22.5	Ö L	-		5,	Α				
Noise level         Four level Heating         Source level Source level         dB         Int. 54/34         Lo. 33/40         Othod           Exterior dimensions         Hill : 41/43         Lo. 33/40         48/50           Height X Width x Depth         mm         275 x 790 x 174         542 x 795 x 255           Color         Vory white         Polar white         Polar white           Not weight         Kg         8         37           Refrigerant equipment Compressor type & Q ty         Kg         8         37           Motor         KW         -         1.3           Mater Schare requipment Compressor type & Q ty         KW         -         1.3           Heat exchanger         KW         -         Louver fins & bare tubing           Refrigerant control         Kg         0.6 (BARREL FREEZ 32SAM)           Defrost control         ℓ         0.6 (BARREL FREEZ 32SAM)           Defrost control         W         16         18           Air flow (at High)         (Cooling)         CMM         8.5/8.5         22/22.5           Air flow (at High)         (Cooling)         CMM         8.5/8.5         22/22.5           Air flow (at High)         (Cooling)         CMM         8.5/8.5         22/22.5	ţi	COP (In	cooling)						
Noise level         Four level Heating         Source level Source level         dB         Int. 54/34         Lo. 33/40         Othod           Exterior dimensions         Hill : 41/43         Lo. 33/40         48/50           Height X Width x Depth         mm         275 x 790 x 174         542 x 795 x 255           Color         Vory white         Polar white         Polar white           Not weight         Kg         8         37           Refrigerant equipment Compressor type & Q ty         Kg         8         37           Motor         KW         -         1.3           Mater Schare requipment Compressor type & Q ty         KW         -         1.3           Heat exchanger         KW         -         Louver fins & bare tubing           Refrigerant control         Kg         0.6 (BARREL FREEZ 32SAM)           Defrost control         ℓ         0.6 (BARREL FREEZ 32SAM)           Defrost control         W         16         18           Air flow (at High)         (Cooling)         CMM         8.5/8.5         22/22.5           Air flow (at High)         (Cooling)         CMM         8.5/8.5         22/22.5           Air flow (at High)         (Cooling)         CMM         8.5/8.5         22/22.5	era			Sound level		Hi: 40/42 Lo: 3			
Noise level         Heating         Sound level Power level         dB         Hi : 41/43         Lo : 39/40         48/50           Exterior dimensions         mm         275 x 790 x 174         542 x 795 x 255           Height x Width x Depth         mm         275 x 790 x 174         542 x 795 x 255           Color         Ivory white         Polar white           Notor         Ivory white         Polar white           Compressor type & Q'ty         -         RM5516GNVE4 (Rotary type) x 1           Motor         KW         -         1.3           Nating method         -         Lower finx & bare whing           Refrigerant control         KW         -         Lower finx & bare whing           Refrigerant control         & G. (BAREL FREEZE 32SAM)         MC control           Air flow (at High)         (Cooling)         KM         8.578.5         22/22.5           Air flow (at High)         (Cooling)         CMM         8.578.5         22/22.5           Air flow (at High)         (Cooling)         CMM         8.578.5         22/22.5           Air flow (at High)         (Cooling)         CMM         8.578.5         22/22.5           Air flow (at High)         (Cooling)         GMM         8.578.5         22	ð		Cooling						
Heating         Power level         Hi : 55/57         Lo : 53/54         62/64           Exterior dimensions         mm         275 x 790 x 174         542 x 795 x 255           Height X With x Depth         Mm         275 x 790 x 174         542 x 795 x 255           Refrigerant equipment         kg         8         37           Refrigerant equipment         -         RM55166NVE4 (Rotary type) x 1           Motor         KW         -         1.3           Starting method         -         Line starting           Heat exchanger         Kg         0.6 (BARREL FREEZE 32SAM)           Refrigerant control         kg         0.6 (BARREL FREEZE 32SAM)           Defrost control         Kg         8.578.5         2272.5           Air finding equipment         V         16         18           Fan type & Q'ty         V         16         18           Air filter, Q'ty         Polypropylene net (washable) x 2         -           Operation control         Wireless-Remote control         -           Operation switch         MC Control         Wireless-Remote control         -           Safety equipment         -         -         -           Safety equipment         -         - <t< td=""><td></td><td>Noise lev</td><td>el</td><td></td><td>dB</td><td></td><td></td><td></td></t<>		Noise lev	el		dB				
Exterior dimensions     mm     275 x 790 x 174     542 x 795 x 255       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     -     RM5516GNVE4 (Rotary type) x 1       Compressor type & Q'ty     -     Insetting       Motor     KW     -     1.3       Starting method     -     Louver fins & bare tubing       Refrigerant control     Kg     R22 1.3       Refrigerant oil     &     0.6 (BAREL FREEZ SZAM)       Defrost control     MC control     MC control       Air finding equipment     Fan type & Q'ty     Tangential fan x 1     Propeller fan x 1       Propeller fan x 1     Motor     V     16     18       Air filter, Q'ty     Polypropylen ent (washable) x 2     -     -       Notor & W     16     18     -     -       Air filter, Q'ty     Polypropylen ent (washable) x 2     -     -       Roon temperature control     MC. Thermostat     -     -       Operation control     MC. Thermostat     -     -       Pilot lamp     RUN (Green), TIMER (Yellow)     -     -       Connecting method     Liquid line:			Heating						
Height x Width x Depth         mm         275 x 790 x 174         542 x 795 x 255           Color         Ivory white         Polar 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         KW         -         1.3           Refrigerant control         Kg         Capillary tubes           Refrigerant control         kg         0.6 (BARREL FREEZE 32SAM)           Defrost control         kg         0.6 (Control           Air flow (at High)         (Cooling)         Motor         MC control           Air flow (at High, Q'ty         V         16         18           Air flow (at High, Q'ty         CMM         8.5/8.5         22/22.5           Shock & vibration absorber         -         Cushion rubber (for compressor)           Operation switch         Wireless-Remote control         -           Roon temperature control         MC. Thermostat         -           Pilot lamp         Connectable         Connectable           Power	Exteri	ior dimens	ions	I ower lever					
Net weight     kg     8     37       Refrigerant equipment     -     RM5516GNVE4 (Rotary type) x 1       Compressor type & Q'ty     -     1.3       Starting method     -     Line starting       Heat exchanger     Louver fins & bare tubing     Refrigerant control     Line starting       Heat exchanger     KW     -     1.3       Refrigerant control     Capillary tubes     Capillary tubes       Refrigerant ontrol     0.6 (BAREEL FREEZE 32SAM)       Defrost control     MC control     MC control       Air flow (at High)     (Cooling) (Heating)     W     16     18       Air filter, Q'ty     V     16     18       Startion absorber     -     Cushion rubber (for compressor)       Operation switch     Wireless-Remote controller     -       Room temperature control     MC. Thermostat     -       Room temperature control     MCN (Green), TIMER (Yellow)     -       Safety equipment     -     Notectetee     -       Filter Quipment     -     -     -       Room temperature control     MC. Thermostat     -       Ruitation     -     -     -       Ruitation     -     -     -       Towin hose     -     -     -					mm	275 x 790 x 174	4	542 x 795 x 255	
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       Line starting         Refrigerant control       kg       R22 1.3         Refrigerant oil       l       0.6 (BARREL FREEZE 32SAM)         Defrost control       MC control       MC control         Air handling equipment       Tangential fan x 1       Propeller fan x 1         Fan type & Q'ty       W       16       18         Air flow (at High)       (Cooling)       8.5/8.5       22/22.5         Shock & vibration absorber       -       Cushion rubber (for compressor)         Operation control       Wireless-Remote controller       -         Operation switch       RUN (Green), TIMER (Yellow)       -         Stafty equipment       -       Dome mounted protector (for compressor)         Stafty equipment       -       -       Cushion rubbat (for fan motor)         Stafty equipment       -       -       -         Stafty equipment       -       -       -         Stafty equipment       -       -       -         S	Color								
Compressor type & Q'ty         KW         -         KMb516GNV24 (k0taly (type) x1           Motor         KW         -         1.3           Starting method         Line starting         Line starting           Heat exchanger         Louver fins & bare tubing         Line starting           Refrigerant control         Kg         Capillary tubes           Refrigerant oil         ℓ         0.6 (BARREL FREEZE 32SAM)           Defrost control         MC control         MC control           Air flandling equipment         V         16         18           Fan type & Q'ty         W         16         18           Motor         W         16         18           Air fliter, Q'ty         Polypropylene net (washable) x 2         2           Shock & vibration absorber         -         Cushion rubber (for compressor)           Operation control         Wireless-Remote controller         -         -           Operation switch         RUN (Green), TIMER (Yellow)         -         -           Safety equipment         RUN (Green), TIMER (Yellow)         -         -           Safety equipment         Connecting method         Flare connecting         -           Torna hose         Connecting method         Connectab		-			kg	8		37	
Starting method						-		RM5516GNVE4 (Rotary type) x 1	
Louver fins & bare tubing         Capillary tubes         Refrigerant control       Capillary tubes         Refrigerant control       Control       Control       Control       Control       Control       Control       Control       Contrefrigerant control       Contro	Motor		kW	_		1.3			
Louver fins & bare tubing         Capillary tubes         Refrigerant control       Capillary tubes         Refrigerant control       Control       Control       Control       Control       Control       Control       Control       Contrefrigerant control       Contro	Starting method			_		Line starting			
Refrigerant <sup>40</sup> 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) (Heating)       CMM       8.5/8.5       22/22.5         Air filter, Q'ty       Polypropylene net (washable) x 2       –       –         Shock & vibration absorber       –       Cushion rubber (for compressor)         Operation control       Wireless-Remote controller       –         Refrigerent       –       Cushion rubber (for compressor)         Safety equipment       –       Dome mounted protector (for compressor)         Safety equipment       –       Dome mounted protector (for compressor)         Safety equipment       –       Dome mounted protector (for compressor)         Safety equipment       –       NC. Thermostat       –         Wireless-Remote control       MC. Thermostat       –       –         O.D       mm(in)       Liquid line: ø6.35 (1/4")       Gas line: ø12.7 (1/2")         Connecting method       Elare connecting       –       –         <					Louver fins &	z bare tubing			
Refrigerant <sup>40</sup> 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) (Heating)       CMM       8.5/8.5       22/22.5         Air filter, Q'ty       Polypropylene net (washable) x 2       –       –         Shock & vibration absorber       –       Cushion rubber (for compressor)         Operation control       Wireless-Remote controller       –         Refrigerent       –       Cushion rubber (for compressor)         Safety equipment       –       Dome mounted protector (for compressor)         Safety equipment       –       Dome mounted protector (for compressor)         Safety equipment       –       Dome mounted protector (for compressor)         Safety equipment       –       NC. Thermostat       –         Wireless-Remote control       MC. Thermostat       –       –         O.D       mm(in)       Liquid line: ø6.35 (1/4")       Gas line: ø12.7 (1/2")         Connecting method       Elare connecting       –       –         <	Ref	rigerant co	ntrol				Capilla	y tubes	
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         Air flow (at High)       (Cooling) (Heating)       W       16       18         Air flow (at High)       (Cooling) (Heating)       CMM       8.5/8.5       22/22.5         Air filter, Q'ty       Polypropylene net (washable) x 2       -       -         Shock & vibration absorber       Polypropylene net (washable) x 2       -         Operation switch       Wireless-Remote controller       -       -         Operation switch       MC. Thermostat       -       -         Room temperature control       MC. Thermostat       -       -         Safety equipment       Co.D       mm(in)       Liquid line: e6.35 (1/4")       Gas line: e12.7 (1/2")         Safety equipment       Co.D       mm(in)       Liquid line: 0.4m       Gas line: e12.7 (1/2")         Team thermostat (for fam motor)       Insulation       Necessary (Both sides)       -         Support Safety equipment       Connecting method       Flare connecting       -         Safety equipment       Co.D       mm(in)       Liquid line: 0.4m Gas line : 0.35m       -	-		ka						
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) (Heating)     CMM     8.5/8.5     22/22.5       Air flow (at High)     (Cooling) (Heating)     CMM     9.5/9.5     22/22.5       Air fliter, 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)       Safety equipment     O.D     mm(in)     Liquid line: 06.35 (1/4")     Gas line i 21.7 (1/2")       Tonnecting method     Flare connecting     -     -       Mation     Necessary (Both sides)     -     -       Drain hose     Connecting method     Insulation     Necessary (Both sides)       Connecting method     Size x Core number     2.5m (3 cores with Earth)       Connecting method     Terminal block (Screw fixing type)       Accessories (included)     Mounting kit					0	0.6 (BARREL F	REEZE 32SAM)		
Fan type & Q'ty     Imagential fan x 1     Propeller fan x 1       Motor     W     16     18       Air filow (at High)     (Cooling) (Heating)     CMM     8.5/8.5     22/22.5       Air filter, Q'ty     Polypropylen ent (washable) x 2     –       Shock & vibration absorber     Polypropylen ent (washable) x 2     –       Operation control Operation switch     MC. Thermostat     –       Room temperature control     MC. Thermostat     –       Pilot lamp     RUN (Green), TIMER (Yellow)     –       Safety equipment     O.D     mm(in)     Liquid line: ø6.35 (1/4")     Gas line: ø12.7 (1/2")       Safety equipment     O.D     mm(in)     Liquid line: 0.4m     Gas line: s1.2.7 (1/2")       Tarian hose     Insulation     Necessary (Both sides)     –       Power source cord     2.5m (3 cores with Earth)     Connecting method       Size x Core number     1.5mm² x 5 cores (Including earth cable)       Wiring     Size x Core number     -       Connecting method     Terminal block (Screw fixing type)       Accessories (included)     Mounting kit							•	,	
Motor     W     16     18       Air flow (at High)     (Cooling) (Heating)     CMM     8.5/8.5     22/22.5       Air filter, Q'ty     Polypropylene net (washable) x 2     -     -       Shock & vibration absorber     -     Cushion rubber (for compressor)       Operation switch     Wireless-Remote controller     -       Operation switch     MC. Thermostat     -       Room temperature control     MC. Thermostat     -       Pilot lamp     RUN (Green), TIMER (Yellow)     -       Safety equipment     -     Dome mounted protector (for compressor) Internal thermostat (for fan motor)       Safety equipment     Connecting method     Liquid line: 0.4m     Gas line: 0.35m       Connecting method     Liquid line: 0.4m     Gas line : 0.35m     -       Drain hose     Connectable     Connectable       Power source cord     2.5m (3 cores with Earth)       Connecting method     Terminal block (Screw fixing type)       Accessories (included)     Mounting kit       Optional parts     -     -			•			Tangential fan x 1		Propeller fan x 1	
Air flow (at High)     (Cooling) (Heating)     CMM     8.5/8.5     22/22.5       Air filter, Q'ty     Polypropylene net (washable) x 2     -       Shock & vibration absorber     -     Cushion rubber (for compressor)       Operation control Operation switch     -     Cushion rubber (for compressor)       Room temperature control Pilot lamp     MC. Thermostat     -       Safety equipment     RUN (Green), TIMER (Yellow)     -       Safety equipment     O.D     mm(in)     Liquid line: ø6.35 (1/4")     Gas line: ø12.7 (1/2")       Connecting method     Eiquid line: 0.4m     Gas line : 0.35m     -       Drain hose     Connectable     Connectable       Power source cord     Size x Core number     1.5mm² x 5 cores (Including earth cable)       Wiring     Size x Core number     1.5mm² x 5 cores (Including earth cable)       Accessories (included)     Mounting kit       Optional parts     -     -			y		w	16		18	
Image: Constraint of the second se			nh)	(Cooling)					
Air filter, Q'ty       Polypropylene net (washable) x 2       -         Shock & vibration absorber       -       Cushion rubber (for compressor)         Operation control       Wireless-Remote controller       -         Operation switch       MC. Thermostat       -         Room temperature control       MC. Thermostat       -         Pilot lamp       RUN (Green), TIMER (Yellow)       -         Safety equipment       -       Dome mounted protector (for compressor)         Internal thermostat (for fan motor)       Internal thermostat (for fan motor)         Safety equipment       -       Flare connecting         Virging and text connecting       Attached length of piping       Liquid line: 0.4m Gas line : 0.35m       -         Insulation       Necessary (Both sides)       -       -         Drain hose       Connecting       2.5m (3 cores with Earth)       Connectable         Power source cord       2.5m (3 cores with Earth)       Connecting method       Terminal block (Screw fixing type)         Accessories (included)       Mounting kit       Optional parts       -       -					СММ				
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)       Safety equipment     -     -       Verticating method     -     -       Verticating 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)       Connecting method     Terminal block (Screw fixing type)       Accessories (included)     Mounting kit	۸ir	filtor O'ty		(neating)					
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)       Vireless-Remote controller     -     -       Vireless-Remote controller     -     -       Safety equipment     -     Dome mounted protector (for compressor) Internal thermostat (for fan motor)       Vireless-Remote controller     -     -       Vireless-Remote controller     -     -       Safety equipment     -     -       Vireless-Remote controller     -     -       Safety equipment     -     -     -       Vireless-Remote controller     -     -     -       Safety equipment     -     -     -     -       Vireless-Remote controller     -     -     -     -       Safety equipment     -     -     -     -     -       Vireless-Remote controller     -     -     -     -       Connecting method     -     -     -     -       Drain hose     -     -     -     -       Power source cord     Size x Core number     -			n absorber			Forypropyrelie liet (washable) x 2		Cushion rubber (for compressor)	
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)       Safety equipment     0.D       Main     Liquid line: Ø6.35 (1/4")       Gonnecting method     Flare connecting       Attached length of piping     Liquid line: 0.4m       Insulation     Necessary (Both sides)       Drain hose     Connecting method       Power source cord     2.5m (3 cores with Earth)       Connecting method     Terminal block (Screw fixing type)       Accessories (included)     Mounting kit						_		Cusinon rubber (for compressor)	
Pilot lamp       RUN (Green), TIMER (Yellow)       -         Safety equipment       Dome mounted protector (for compressor Internal thermostat (for fan motor))       Dome mounted protector (for compressor Internal thermostat (for fan motor))         Image: Safety equipment       O.D       mm(in)       Liquid line: Ø6.35 (1/4")       Gas line: Ø12.7 (1/2")         Internal thermostat (for fan motor)       Connecting method       Flare connecting       Image: Safety equipment         Insulation       Liquid line: 0.4m       Gas line       : 0.35m       -         Drain hose       Insulation       Necessary (Both sides)       Image: Safety equipment       Size x Core number         Connection wiring       Size x Core number       1.5mm² x 5 cores (Including earth cable)       Connecting method       Terminal block (Screw fixing type)         Accessories (included)       Mounting kit       Optional parts       -       -	Ope	eration swi	tch					-	
Safety equipment     Dome mounted protector (for compressor Internal thermostat (for fan motor)       Image: Safety equipment     0.D     mm(in)     Liquid line: ø6.35 (1/4")     Gas line: ø12.7 (1/2")       Image: Safety equipment     Connecting method     Flare connecting       Image: Safety equipment     Connecting method     Flare connecting       Image: Safety equipment     Image: Safety equipment     Image: Safety equipment       Image: Safety equipment     Connecting method     Flare connecting       Image: Safety equipment     Image: Safety equipment     Image: Safety equipment       Image: Safety equipment     Liquid line: 0.4m     Gas line : 0.35m     -       Image: Safety equipment     Image: Safety equipment     Image: Safety equipment     -       Image: Safety equipment     Image: Safety equipment     Image: Safety equipment     -       Image: Safety equipment     Image: Safety equipment     Image: Safety equipment     -       Image: Safety equipment     Image: Safety equipment     Image: Safety equipment     -       Image: Safety equipment     Image: Safety equipment     Image: Safety equipment     -       Image: Safety equipment     Image: Safety equipment     Image: Safety equipment     -       Image: Safety equipment     Image: Safety equipment     Image: Safety equipment     -       Image: Safety equipment <td></td> <td>-</td> <td>ature control</td> <td></td> <td></td> <td>MC. Thermostat</td> <td>t</td> <td></td>		-	ature control			MC. Thermostat	t		
Internal thermostat (for fan motor)       Internal thermostat (for fan motor) </td <td></td> <td>•</td> <td></td> <td></td> <td></td> <td>RUN (Green), TIMER (</td> <td>Yellow)</td> <td>-</td>		•				RUN (Green), TIMER (	Yellow)	-	
Solution       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)       -         Connecting method       1.5mm² x 5 cores (Including earth cable)       -         Connecting method       Terminal block (Screw fixing type)       -         Accessories (included)       Mounting kit       -	Safety	y equipme	nt			-		1 ( 1 )	
Solution       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)       -         Connecting method       1.5mm² x 5 cores (Including earth cable)       -         Connecting method       Terminal block (Screw fixing type)       -         Accessories (included)       Mounting kit       -	t	(	D.D		mm(in)	Liquid	line: ø6.35 (1/4		
Drain hose     Connectable       Power source cord     2.5m (3 cores with Earth)       Connection wiring     Size x Core number       Connecting method     1.5mm² x 5 cores (Including earth cable)       Connecting method     Terminal block (Screw fixing type)       Accessories (included)     Mounting kit       Optional parts     –	era	_	Connecting r	nethod		•			
Drain hose     Connectable       Power source cord     2.5m (3 cores with Earth)       Connection wiring     Size x Core number       Connecting method     1.5mm² x 5 cores (Including earth cable)       Connecting method     Terminal block (Screw fixing type)       Accessories (included)     Mounting kit       Optional parts     –	frig	ing				Liquid line: 0.4m Gas lin	ne : 0.35m		
Drain hose     Connectable       Power source cord     2.5m (3 cores with Earth)       Connection wiring     Size x Core number       Connecting method     1.5mm² x 5 cores (Including earth cable)       Connecting method     Terminal block (Screw fixing type)       Accessories (included)     Mounting kit       Optional parts     –	Re	ig I	nsulation				Necessary (	Both sides)	
Size x Core number         1.5mm² x 5 cores (Including earth cable)           wiring         Connecting method         Terminal block (Screw fixing type)           Accessories (included)         Mounting kit         Optional parts	Drain hose				Conne	ctable			
Size x Core number         1.5mm² x 5 cores (Including earth cable)           wiring         Connecting method         Terminal block (Screw fixing type)           Accessories (included)         Mounting kit         Optional parts	Power source cord								
wiring         Connecting method         Terminal block (Screw fixing type)           Accessories (included)         Mounting kit           Optional parts	Conn	ection	Size x Core n	umber		1.5mn			
Accessories (included) Mounting kit Optional parts -		. –					•	<u> </u>	
Optional parts	Acces								
		•	,					•	
			ha data ara ra-	acurad at the f-11	owing con the	ions			

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

Item	Indoor air t	emperature	Outdoor air	Standards	
Operation	DB	WB	DB	WB	Standards
Cooling	27°C	19°C	35°C	24°C	ISO-T1, JIS C9612
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 <sup>(1)</sup>			W	4500	  //500		
Heating capacity <sup>(1)</sup>				4500/4500 5700/5800			
Power source	-		W		0/240V, 50Hz		
Fower source	, Cooling inpι	14	kW		-		
(J)		rent (Cooling)	A	<u> </u>			
lata	Heating inpu		kW		+/6.2 6/1.89		
Operation data <sup>(1)</sup>		rent (Heating)			5/8.3		
atic	Inrush curre		A		wo.s 0/42		
ber	COP (In coo		~		»+2 )/2.39		
0	Noise level <sup>(5)</sup>	•/	dB(A)	Cooling: 44/44 Heating: 45/45	Cooling: 50/51 Heating: 53/54		
Exterior dime		, 	UB(A)	Cooling. 44/44 Nearing. 43/43			
	dth x Depth		mm	275 × 790 × 189	615 × 850 × 290 + 30		
Color				Ivory white	Polar white		
Net weight			kg	9	53		
Refrigerant e	quipment			<b>v</b>			
	or type & Q'ty			-	RM5523GNE4 (Rotary type) x 1		
Motor			kW	_	1.7		
Starting method				_	Line starting		
Heat exchanger			Louver fins	& bare tubing			
	Refrigerant control				ary tubes		
Refrigerant <sup>(4)</sup>			kg	R22 1.28			
Refrigerant of	il		l	0.7 (BARREL F	REEZE 32SAM)		
Defrost contr	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)		11/11	34/34		
	- /	(Heating)	СММ	12/12	34/34		
Air filter, Q'	ty			Polypropylene net (washable) x 2	_		
Shock & vibra	ation absorber			_	Cushion rubber (for compressor)		
Electric heate	er			_	_		
Operation co Operation s				Wireless-Remote controller	-		
•	erature contro	ol .		MC. Thermostat	_		
Pilot lamp				RUN (Green), TIMER (Yellow),			
· · · · · · · · · · · · · · · · · · ·				ECONO (Orange), HI POWER (Green)	-		
Safety equipr	nent			-	Dome mounted protector (for compressor Internal thermostat (for fan motor)		
t.	O.D		mm(in)	Liquid line: ø6.35 (1/4	* * *		
igerant Ig	Connecting	method	(,		onnecting		
igei	-	igth of piping		Liquid line: 0.4m	5		
Refriç pipinç				Gas line: 0.35m	-		
<sup>™</sup> nsulation				Necessary	(Both sides)		
Drain hose				Conn	ectable		
Power source	e cord			2.5m (3 core	es with Earth)		
Connection	Size x Core	number		1.5mm² x 5 co	res (With Earth)		
wiring	Connecting	method		Terminal block (	Screw fixing type)		
Accessories					ting kit		
Optional part	,		I I		-		

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

Item	Indoor air t	emperature	Outdoor air	Standards	
Operation	DB	WB	DB	WB	Standards
Cooling	27°C	19°C	35°C	24°C	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.)

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

Item			Model	SRK561HENF-L	SRC561HENF-L		
Cooling capac	:4(1)		W		000/5000		
Heating capac			W		200/6300		
Power source	ity`'		**				
Fower source	Cooling inpu	.+	kW	1 Phase, 220/240V, 50Hz 2.08/2.18			
(j)		rent (Cooling)	A	10.2/9.53			
lata	Heating inpu		kW		2.02/2.15		
Running current (Cooling) Heating input Running current (Heating) Inrush current COP (In cooling)							
atio	Inrush curre		A		0.5/9.95		
ber		-	A		2.40/2.29		
ō	COP (In coo Noise level <sup>(5</sup>	•	dB(A)	Cooling: 45/45 Heating: 46/46	Cooling: 53/54 Heating: 54/56		
Exterior dimen		·	UD(A)	Cooling: 45/45 Heating: 46/46	Cooling: 53/54 Heating: 54/56		
Height x Wic			mm	275 x 790 x 189	615 × 850 × 290 + 30		
Color	•			Ivory white	Polar white		
Net weight			kg	9	53		
Refrigerant eq	•			_	RM5526GNE4 (Rotary type) x 1		
Compressor	type & Q'ty			_			
Motor			kW	-	1.9		
Starting m				-	Line starting		
Heat exchan	ger			Louver f	ins & bare tubing		
Refrigerant	control			Capillary tubes			
Refrigerant <sup>(4)</sup>			kg	F	R22 1.35		
Refrigerant oil			l	0.7 (BARRE	L FREEZE 32SAM)		
Defrost contro				Ν	IC control		
Air handling e Fan type & C				Tangential fan x 1	Propeller fan x 1		
Motor			w	23	40		
Air flow (at H	ligh)	(Cooling)		12/12	34/34		
		(Heating)	СММ	13/13	34/34		
Air filter, Q't	у			Polypropylene net (washable) x 2	-		
Shock & vibrat	tion absorber			_	Cushion rubber (for compressor)		
Electric heater				_	-		
Operation con Operation sy				Wireless-Remote controller	_		
•	erature contro			MC. Thermostat			
Pilot lamp		<i>'</i> 1		RUN (Green), TIMER (Yellow),			
i not iamp				ECONO (Orange), HI POWER (Green)	-		
Safety equipm	ent				Dome mounted protector (for compressor		
I	O.D		mm(in)	Liquid line: ø6.35	(1/4") Gas line: ø12.7 (1/2")		
ta -	Connecting	method		I	connecting		
jer:	-	igth of piping		Liquid line: 0.4m			
Refrigerant piping	Allauneu lei	gui or piping		Gas line: 0.35m	-		
pi K	Insulation				ary (Both sides)		
Drain hose					nnectable		
Power source	cord				ores with Earth)		
Connection	Size x Core	number		•	cores (With Earth)		
wiring					k (Screw fixing type)		
- connecting method					punting kit		
Accessories (i							

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

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

# Model SRK50A (Indoor unit) SRC50HA (Outdoor unit)

				Model	SRK50A	SRC50HA		
Item	14 (4)							
Cooling cap				W		00		
Heating cap				w		200		
Power source					,	230/240V, 50Hz		
	ing inpu		- 15	kW		79		
		rent (Co	bling)	A	8.4/8.0/7.7			
E Heating input Running current (Heating)			kW	<u>1.83</u> 8.5/8.1/7.9				
			ating)	A				
COP (In cooling)			A		1/42			
	(in coo	ling)				51		
De		Cooling	Sound level		Hi : 44 Lo : 37	51		
	e level		Power level	dB	Hi : 58 Lo : 51	65		
		Heating	Sound level		Hi: 45 Lo: 38	53		
<b>E</b> 4 1 1 1 1 1			Power level		Hi : 59 Lo : 52	67		
Exterior dim Height x V				mm	298 × 798 × 203	640 × 850 × 290		
Color					Stucco white	Stucco white		
Net weight				kg	10	45		
Refrigerant Compress					-	RM5523GNE4 (Rotary type) x 1		
Motor				kW	_	1.7		
Starting	Starting method			_	Line starting			
Heat exch	anger				Louver fins &	grooved tubing		
Refrigerar	t contro	bl			Capillary tubes			
Refrigerant <sup>(1</sup>				kg	R22	1.45		
Refrigerant				l	0.7 (BARREL FREEZE 32SAM)			
Defrost con	rol				MC control			
Air handling		nent			Tangential fan x 1	Propeller fan x 1		
Fan type & Motor	k Q ty			w	22	25		
	4 Lliash)		(Cooling)		23	35		
Air flow (a	t High)	-	(Cooling)	СММ	13	39		
Air filter, 0	N'41/		(Heating)		Polypropylene net (washable) x 2	39		
Shock & vib	-	hoorbor			Polypropylene net (washable) x 2	Cushion rubber (for compressor)		
Operation c		DSOLDEL				Cusition Tubber (for compressor)		
Operation	switch				Wireless–Remote controller	-		
Room terr		e control			MC. Thermostat	_		
Pilot lamp					RUN (Green), TIMER (Yellow),	_		
					ECONO (Orange), HI POWER (Green)			
Safety equip	oment				-	Dome mounted protector (for compressor) Internal thermostat (for fan motor)		
Int	O.D			mm(in)	Liquid line: ø6.35 (1/4	") Gas line: ø12.7 (1/2")		
Jera	Con	necting n	nethod		Flare co	nnecting		
Refrigerant piping	Atta	ched leng	gth of piping		Liquid line: 0.5m Gas line: 0.43m	-		
	Insu	lation			Necessary (Both sides)			
Drain hose					Connectable			
Power source	e cord				3m (3 cores	s with Earth)		
Connection	Size	x Core n	umber		1.5mm² x 5 co	es (With Earth)		
wiring	Con	necting n	nethod		Terminal block (S	Screw fixing type)		
	(in alud	ed)			Moun	ting kit		
Accessories	(includ	cuj				5		

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

Item	Item Indoor air te		Outdoor air	Standards		
Operation	DB	WB	DB	WB	Stanuarus	
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)

				Model	SRK5	6A	SRC56HA		
ltem					critic				
	ng capacity			w		500			
	ng capacity	1)		w		620			
Power	r source					1 Phase, 220/2	,		
	Cooling in	•		kW		2.0	18		
	Running	urrent (Co	oling)	Α	9.7/9.3/8.9				
(1) B	Heating in	put		kW	2.10				
late	Running	urrent (He	ating)	Α		9.8/9.4	4/9.0		
on c	Inrush cu	rrent		Α		44/46	6/48		
Operation data <sup>(1)</sup>	COP (In c	ooling)				2.4	40		
per		Cooling	Sound level		Hi : 45	Lo : 38	51		
ō	Nata a lava	Cooling	Power level	10	Hi : 59	Lo : 52	65		
	Noise leve		Sound level	dB -	Hi : 45	Lo : 38	53		
		Heating	Power level		Hi : 59	Lo : 52	67		
	or dimension ght x Width			mm	298 × 798	3 × 203	640 × 850 × 290		
Color		•			Stucco v	white	Stucco white		
Net w	eight			kg	10		45		
Refrigerant equipment Compressor type & Q'ty				-		RM5526GNE4 (Rotary type) x 1			
	Motor			kW	_		1.9		
Starting method			_		Line starting				
	t exchange					Louver fins & g	6		
	rigerant cor					Capillar			
	erant <sup>(3)</sup>			kg		R22			
	erant oil			l		0.7 (BARREL FF			
-	st control			~	MC control				
Air ha	ndling equi				Tangential fan x 1		Propeller fan x 1		
	otor			w	23		35		
	flow (at Hig	•	(Cooling)	**	23		39		
AII	now (at hig	יי יי		СММ	13				
A :	(114 m 0.24m)		(Heating)				39		
	filter, Q'ty				Polypropylene net	(washable) x 2	-		
	& vibratio				-		Cushion rubber (for compressor)		
Оре	tion contro eration swite	:h			Wireless–Remo		-		
	om tempera	ure contro	I		MC. Ther		-		
Pilo	t lamp				RUN (Green), TIN ECONO (Orange), H		_		
Safety	/ equipmen					I I O WER (OICCII)	Dome mounted protector (for compressor) Internal thermostat (for fan motor)		
ť	0	D		mm(in)	1	iquid line: ø6.35 (1/4'			
ran		onnecting r	nethod	()	E	Flare cor	, , ,		
Refrigera	Bu A		gth of piping		Liquid line: 0.5m		_		
Refr	<u>م</u>	sulation	arri or bibilið			Necessary (I	Both sides)		
Drain						Conne	-		
	r source co	'n				3m (3 cores			
Conne		u ze x Core r	umber			1.5mm <sup>2</sup> x 5 core			
wiring		onnecting r				Terminal block (S			
	sories (incl	-	netriou			Mounti			
	•	uueu)				wounti			
JULIO	nal parts								

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

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

lte	m		Model	SRK208CENF-L	SRC208CENF-L		
	Cooling capacity <sup>(1)</sup>		W	1800/	1850		
	Power source		**				
	Cooling input		kW	1 Phase, 220/240 V, 50 Hz 0.54/0.58			
ç	Running current	(Cooling)					
	-	(Cooling)	A	<u>2.5/2.6</u> 11.7/12.8			
Uperation data <sup>(1)</sup>	Inrush current		A				
58	COP (In cooling)			3.33/			
	Noise level <sup>(5)</sup>		dB (A)	36/37	44/45		
	Exterior dimensions Height × Width × I	Donth	mm	$\textbf{275} \times \textbf{790} \times \textbf{174}$	$\textbf{492}\times\textbf{750}\times\textbf{220}$		
		Depth		Ivory white	Polar white		
	Net weight		ka	<b>7.5</b>	24		
	Refrigerant equipme		kg	7.5	24		
	Compressor types			-	RM5470GNE5 (Rotary type) $ imes$ 1		
	Motor	uuuy	kW	_	0.55		
	Starting method	1	RTT		Line starting		
	Heat exchanger	I		– Louver fin	, i i i i i i i i i i i i i i i i i i i		
	Refrigerant control			Capillar	0		
	Refrigerant control		kg	R22			
	Refrigerant oil		l Ry	0.3 (BARREL F			
	Air handling equipme	ant	Ł	0.5 (BARKEL F			
	Fan type & Q'ty	, iii		Tangential fan $\times 1$	Propeller fan $\times$ 1		
	Motor		w	16	17		
	Air flow (at High)		СММ	7/7	19.5/20.5		
	Air filter, Q'ty			Polypropylene net (washable) $\times 2$			
	Shock & vibration ab	sorber			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)		
	O.D		mm (in)	Liquid line: <b>6.35</b> (1/4)	) Gas line:		
ran	Connecting meth	od		Flare co			
Ketrigerant piping	Attached length			Liquid line: 0.4 m			
ipir	_			Gas line : 0.35 m	-		
τQ	Insulation			Necessary (	Both sides)		
	Drain hose			Conne	ctable		
	Power source cord			2.5 m (3 core	s with Earth)		
	Connection Si	ze  imes Core number		1.5 mm <sup>2</sup> × 3 cores (In	cluding earth cable)		
	wiring Co	onnecting method		Terminal block (S			
	Accessories (include	-		Mount			
	Optional parts	•		_	-		

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

Item	Indoor air t	emperature	Outdoor air	Standards	
Operation	DB	DB WB D		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.)

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

lte	m	Model	SRK258CENF-L	SRC258CENF-L			
Cooling capacity <sup>(1)</sup>		W	2200/	/2250			
	Power source		1 Phase. 220/240 V, 50 Hz				
	Cooling input	kW	kW 0.66/0.74				
S	Running current (Cooling)	A		/3.4			
Operation data <sup>(1)</sup>	Inrush current	A		/18.9			
ata	COP (In cooling)		3.33				
σc	Noise level <sup>(5)</sup>	dB (A)	38/39	41/42			
	Exterior dimensions	mm					
	Height $ imes$ Width $ imes$ Depth		$\textbf{275}\times\textbf{790}\times\textbf{174}$	542  imes 795  imes 255			
	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 & inn	e			
	Refrigerant control		Capillar	0 0			
	Refrigerant <sup>(4)</sup>	kg	R22	-			
	Refrigerant oil	l	0.3 (BARREL F				
	Air handling equipment	~	•				
	Fan type & Q'ty		Tangential fan $\times$ 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) $\times 2$	_			
	Shock & vibration absorber		_	Cushion rubber (for compressor)			
	Electric heater		_	_			
	Operation control		W7 1 D 4 11				
	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)			
L.	O.D	mm (in)	Liquid line: <b></b> 6.35 (1/4")	) Gas line:			
Refrigerant piping	Connecting method		Flare co				
nge	Attached length of piping		Liquid line: 0.4 m				
ipin			Gas line : 0.35 m	—			
Insulation			Necessary (	Both sides)			
	Drain hose		Conne	ctable			
	Power source cord		2.5 m (3 core	s with Earth)			
	Connection Size × Core r	number	1.5 mm <sup>2</sup> × 3 cores (Ir	cluding earth cable)			
	wiring Connecting r	method		Screw fixing type)			
	Accessories (included)		Mount	ing kit			
	Optional parts		-	-			

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

Item	Indoor air t	emperature	Outdoor air	Standards	
Operation	DB	WB	DB	WB	Standards
Cooling	27°C	19°C	35°C	24°C	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.)

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

lte	m		Model	SRK288CENF-L	SRC288CENF-L			
	Cooling capacity	(1)	W	2500/	2550			
	Power source			1 Phase, 220	/240 V, 50 Hz			
	Cooling inpu	ıt	kW	0.87/0.95				
5		rent (Cooling)	Α	4.1/				
(j)	Inrush curre		Α	18.2	/19.6			
Operation data <sup>(1)</sup>	COP (In cool			2.87/				
56	Noise level <sup>(5)</sup>	0,	dB (A)	38/39	41/42			
	Exterior dimension		mm					
	Height $ imes$ Width	× Depth		275 × 790 × 174	$\textbf{542} \times \textbf{795} \times \textbf{255}$			
	Color			Ivory white	Polar white			
	Net weight		kg	7.5	33			
	Refrigerant equip	oment			DMEE42CNE4 (Determ turne) v 4			
	Compressor ty			-	RM5512GNE1 (Rotary type) × 1			
	Motor		kW	_	0.9			
	Starting me	thod		-	Line starting			
	Heat exchange	r		Louver fins & inn	er grooved tubing			
	Refrigerant con	ntrol		Capillar	ry tubes			
Refrigerant <sup>(4)</sup>			kg	R22	0.75			
	Refrigerant oil			0.35 (BARREL F	REEZE 32SAM)			
	Air handling equi	ipment		Tangential fan $\times$ 1	Propeller fan $\times$ 1			
	Fan type & Q'ty	1			Propenei Tan × 1			
	Motor		w	16	11			
	Air flow (at Hig	h)	СММ	7.5/7.5	22/22			
	Air filter, Q'ty			Polypropylene net (washable) $\times 2$	_			
	Shock & vibratio	n absorber		_	Cushion rubber (for compressor)			
	Electric heater			_	_			
	Operation contro	I		Wireless-Remote controller	_			
	Operation swite	ch		whereas-remote controller				
	Room temperat	ture control		MC. Thermostat	-			
	Pilot lamp			RUN (Green), TIMER (Yellow)	-			
	Safety equipmen	t		_	Dome mounted protector (for compressor)			
					Internal thermostat (for fan motor)			
Ħ	O.D		mm (in)	Liquid line: 66.35 (1/4")	) Gas line: φ9.52 (3/8")			
Refrigerant piping	Connecting I			Flare co	nnecting			
rig ing	Attached len	gth of piping		Liquid line: 0.4 m	_			
pipi				Gas line : 0.35 m				
	Insulation			Necessary (	,			
	Drain hose			Conne				
	Power source co			2.5 m (3 core	· ·			
	Connection	$\textbf{Size} \times \textbf{Core number}$		1.5 mm² × 3 cores (In	cluding earth cable)			
	wiring	Connecting method		Terminal block (S				
	Accessories (inc	luded)		Mount	ing kit			
	Optional parts			-	-			

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

		-				
	Item		emperature	Outdoor air	temperature	Standards
Operation	Operation		WB	DB	WB	Standards
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.)

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

Iter	n		Model	SRK328CENF-L	SRC328CENF-L		
Cooling capacity <sup>(1)</sup>		W	2750/	2750			
Power source				1 Phase, 220/240 V, 50 Hz			
	Cooling input		kW	0.93/	•		
5	Running curre		A	4.3/			
≘atĭ	Inrush curren	· •	A	18.2/			
Operation data <sup>(1)</sup>	COP (In coolir			2.96/			
5 -	Noise level <sup>(5)</sup>	·9/	dB (A)	40/42	42/44		
	Exterior dimensio	ns	mm				
	Height × Width ×			$\textbf{275}\times\textbf{790}\times\textbf{174}$	$542\times795\times255$		
(	Color	•		Ivory white	Polar white		
I	Net weight		kg	8	33		
	Refrigerant equipr	ment					
	Compressor typ	es & Q'ty		-	RM5512GNE1 (Rotary type) × 1		
	Motor		kW	_	0.9		
	Starting meth	nod		_	Line starting		
	Heat exchanger			Louver fin	s & tubing		
Refrigerant control				Capillar	ry tubes		
Refrigerant <sup>(4)</sup>			kg	R22	0.7		
Refrigerant oil			l	0.35 (BARREL F	REEZE 32SAM)		
1	Air handling equipment Fan type & Q'ty			Tangential fan $\times$ 1	Propeller fan × 1		
	Motor		w	16	9		
	Air flow (at High	)	СММ	8.5/8.5	22/22.5		
	Air filter, Q'ty	/	•••••	Polypropylene net (washable) $\times 2$			
	Shock & vibration	absorber			Cushion rubber (for compressor)		
	Electric heater				-		
	Operation control						
	Operation switch	h		Wireless-Remote controller	-		
	Room temperatu	ire control		MC. Thermostat	-		
	Pilot lamp			RUN (Green), TIMER (Yellow)	-		
;	Safety equipment				Dome mounted protector (for compressor)		
				_	Internal thermostat (for fan motor)		
t.	O.D		mm (in)	Liquid line: <b></b> \$6.35 (1/4")	) Gas line:		
eran	Connecting m	ethod		Flare cor	nnecting		
Refrigerant piping	Attached leng	th of piping		Liquid line: 0.4 m	_		
Sef				Gas line : 0.35 m	_		
	Insulation			Necessary (	Both sides)		
I	Drain hose			Conne	ctable		
I	Power source core	d		2.5 m (3 core	s with Earth)		
(	Connection	$\textbf{Size} \times \textbf{Core number}$		1.5 mm² × 3 cores (In	cluding earth cable)		
<u> </u>	wiring	Connecting method		Terminal block (S	crew fixing type)		
	Accessories (inclu	uded)		Mount	ing kit		
	Optional parts						

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

Item	Indoor air t	emperature	Outdoor air	temperature	Standarda
Operation	DB	WB	DB	WB	Standards
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.)

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

lte	m		Model	SRK408CENF-L	SRC408CENF-L			
Cooling capacity <sup>(1)</sup>			W	3500/	3500			
	Power source			1 Phase, 220/240 V, 50 Hz				
	Cooling inpu	t	kW	1.320/1.405				
5	Running current (Cooling)		A	6.4/6.4				
∃ati	Inrush current		A	33.6/36.6				
Operation data <sup>(1)</sup>	COP (In cool			2.65/				
σσ	Noise level <sup>(5)</sup>		dB (A)	40/42	47/49			
	Exterior dimensio	ons	mm					
	Height × Width			<b>275</b> imes <b>790</b> imes <b>174</b>	$\textbf{542} \times \textbf{795} \times \textbf{255}$			
	Color	•		Ivory white	Polar white			
	Net weight		kg	8	37			
	Refrigerant equip	oment						
	Compressor typ	oes & Q'ty		-	RM5517GNE4 (Rotary type) × 1			
	Motor		kW	_	1.3			
	Starting me	thod		_	Line starting			
	Heat exchange	•		Louver fin	s & tubing			
Refrigerant control				Capillar	ry tubes			
Refrigerant <sup>(4)</sup>			kg	R22	1.3			
	Refrigerant oil			0.6 (BARREL F	REEZE 32SAM)			
	Air handling equi	pment		Tangential fan $\times 1$	Propeller fan $\times$ 1			
	Fan type & Q'ty			Tangentiai Tan × T	Propener fait × 1			
	Motor		w	16	18			
	Air flow (at Hig	ו)	СММ	8.5/8.5	22/22.5			
	Air filter, Q'ty			Polypropylene net (washable) $\times 2$	_			
	Shock & vibratio	n absorber		_	Cushion rubber (for compressor)			
	Electric heater			_	_			
	Operation contro	I		Wireless-Remote controller	_			
	Operation swite	:h		Whereas-Remote controller				
	Room temperat	ure control		MC. Thermostat	-			
	Pilot lamp			RUN (Green), TIMER (Yellow)	-			
	Safety equipment	t			Dome mounted protector (for compressor)			
					Internal thermostat (for fan motor)			
Ħ	O.D		mm (in)	Liquid line: <b>6.35 (1/4</b> ")	) Gas line:			
erar	Connecting r	method		Flare co	nnecting			
Refrigerant piping	Attached len	gth of piping		Liquid line: 0.4 m	_			
Ref				Gas line : 0.35 m				
	Insulation			Necessary (	,			
	Drain hose			Conne				
	Power source co	1		2.5 m (3 core	· ·			
	Connection	$\textbf{Size} \times \textbf{Core number}$		1.5 mm² × 3 cores (In	cluding earth cable)			
	wiring	Connecting method		Terminal block (S	crew fixing type)			
	Accessories (inc	luded)		Mount	ing kit			
	Optional parts			_				

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

Item	Indoor air t	emperature	Outdoor air	temperature	Standarda
Operation	DB	WB	DB	WB	Standards
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.)

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

		TCENF-L (Outdo	<u> </u>				
Iter	n		Model	SRK501CENF-L	SRC501CENF-L		
Cooling capacity <sup>(1)</sup>			W	4500/4500			
l	Power source			1 Phase, 220/240V, 50 Hz			
	Cooling input		kW	1.78/	1.88		
5	Running curre	ent (Cooling)	A	8.4/	8.2		
Uperation data <sup>(1)</sup>	Inrush current		Α	39/42			
lata	COP (In coolir	ng)		2.53/	2.39		
	Noise level <sup>(5)</sup>	•	dB (A)	44/44	50/51		
	Exterior dimension	ıs	mm	275 × 790 × 189	615 × 850 × 290 + 30		
	Height $ imes$ Width $ imes$	Depth		275 × 790 × 189	615 × 850 × 290 + 30		
(	Color			Ivory white	Polar white		
ļ	Net weight		kg	9	52		
	Refrigerant equipr	nent		_	RM5523GNE4 (Rotary type) × 1		
	Compressor type	es & Q'ty					
	Motor		kW	-	1.7		
	Starting meth	od		-	Line starting		
	Heat exchanger			Louver fin	s & tubing		
Refrigerant control			Capillary tubes				
Refrigerant <sup>(4)</sup>			kg	R22	1.28		
l	Refrigerant oil		l	0.7 (BARREL F	REEZE 32SAM)		
	Air handling equipment Fan type & Q'ty			Tangential fan $\times 1$	Propeller fan $\times 1$		
	Motor		w	23	40		
	Air flow (at High)		СММ	11/11	34/34		
	Air filter, Q'ty			Polypropylene net (washable) $\times 2$	_		
:	Shock & vibration	absorber		_	Cushion rubber (for compressor)		
I	Electric heater			-	-		
	Operation control			Wireless-Remote controller	_		
	Operation switch						
	Room temperatu	re 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)		
	O.D		mm (in)	Liquid line: <b></b> 6.35 (1/4"			
Refrigerant piping	Connecting m	ethod		Flare co			
iger Iger	Attached leng			Liquid line: 0.4m	-		
ipin				Gas line : 0.35m	-		
רפ	Insulation			Necessary (	Both sides)		
	Drain hose			Conne	ctable		
l	Power source core	ł		2.5 m (3 core	s with Earth)		
	Connection	$\textbf{Size} \times \textbf{Core number}$		1.5 mm² × 3 cores (In	cluding earth cable)		
wiring Connecting method				Terminal block (S	crew fixing type)		
	Accessories (inclu	ided)		Mount	ing kit		

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

Item	Indoor air t	emperature	Outdoor air	Standards	
Operation	DB	WB	DB	WB	Standards
Cooling	27°C	19°C	35°C	24°C	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.)

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

Iter	n		Model	SRK561CENF-L	SRC561CENF-L			
	 Cooling capacity <sup>(1</sup>	)	W	5000/	5000			
	Power source			1 Phase, 220/240V, 50 Hz				
	Cooling input		kW 2.08/2.18					
s i	Running curre		A					
Operation data <sup>(1)</sup>	<b>.</b> ,		A	<u> </u>				
ata d	Inrush current		<u> </u>	2.40/				
Σĕ	COP (In coolin	ig)			-			
	Noise level <sup>(5)</sup> Exterior dimensio		dB (A)	45/45	53/54			
I			mm	$\textbf{275} \times \textbf{790} \times \textbf{189}$	$\textbf{615} \times \textbf{850} \times \textbf{290} + \textbf{30}$			
	Height × Width ×	Depth		T	Delessekite			
	Color			Ivory white	Polar white			
	Net weight		kg	9	52			
I	Refrigerant equip			-	RM5526GNE4 (Rotary type) × 1			
	Compressor typ	es a Q ty	kW		1.9			
	Motor		KVV	-				
	Starting met	100	-	-	Line starting			
	Heat exchanger			Louver fin	8			
Refrigerant control				Capillary tubes				
Refrigerant <sup>(4)</sup>			kg	R22	1.35			
	Refrigerant oil		l	0.7 (BARREL F	REEZE 32SAM)			
	Air handling equip	oment		Tangential fan $\times$ 1	Propeller fan $\times$ 1			
	Fan type & Q'ty							
	Motor		w	23	40			
	Air flow (at High	)	СММ	12/12	34/34			
	Air filter, Q'ty			Polypropylene net (washable) $\times 2$	-			
	Shock & vibration	absorber		_	Cushion rubber (for compressor)			
	Electric heater			_	_			
	Operation control			Wireless-Remote controller				
	Operation switcl	า		wheless-Keniole controller	_			
	Room temperatu	ire 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)			
	O.D		mm (in)	Liquid line: <b></b> \$6.35 (1/4")	) Gas line:			
ran	Connecting m	ethod		Flare co	nnecting			
Refrigerant piping	Attached leng	th of piping		Liquid line: 0.4m				
ipi.				Gas line : 0.35m				
ro	Insulation			Necessary (	Both sides)			
	Drain hose			Conne	ctable			
Power source cord				2.5 m (3 core	s with Earth)			
		Size × Core number		1.5 mm² × 3 cores (In	cluding earth cable)			
				Terminal block (S				
(	wiring							
	wiring Accessories (inclu	-		Mount				

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

Item	Indoor air t	emperature	Outdoor air	temperature	Standards
Operation	DB	WB	DB	WB	Standards
Cooling	27°C	19°C	35°C	24°C	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.)

#### Model SRK50A (Indoor unit) SRC50CA (Outdoor unit)

lte	m			Model	SRK50A	SRC50CA	
Cooling capacity <sup>(1)</sup>				W	450	0	
Power source					1 Phase, 220/23	80/240V, 50 Hz	
£	Cooling inpu	ıt		kW	1.79		
ata <sup>(</sup>	Running cu	rent (Cool	ing)	Α	8.4/8.0/7.7		
ü u d	Inrush curre	nt		Α	39/41	/42	
atio	COP (In coo	ing)			2.5	1	
Operation data <sup>(1)</sup>			Sound level		Hi:44 Lo:37	51	
ŏ	Noise level		Power level	dB –	Hi:58 Lo:51	65	
	Exterior dimensi Height × Width			mm	$\textbf{298} \times \textbf{798} \times \textbf{203}$	$640 \times 850 \times 290$	
	Color	× Depth			Nahla ukita	Stugge white	
				l ca	Noble white	Stucco white 44	
	Net weight	mont		kg	10	44	
	Refrigerant equi Compressor ty		/		-	RM5523GNE4 (Rotary type) × 1	
	Motor			kW	_	1.7	
	Starting me	thod			_	Line starting	
	Heat exchange	r			Louver fins & g	rooved tubing	
Refrigerant control					Capillary tubes		
Refrigerant <sup>(3)</sup>				kg	R22 <sup>-</sup>	1.45	
Refrigerant oil				l	0.7 (BARREL FF	REEZE 32SAM)	
	Air handling equipment Fan type & Q'ty				Tangential fan × 1	Propeller fan $\times 1$	
	Motor	·		w	23	35	
	Air flow (at Hig			39			
	Air filter, Q'ty	.,			Polypropylene net (washable) $\times 2$		
	Shock & vibratio	n absorbe	r			Cushion rubber (for compressor)	
	Electric heater	11 4030100	•		_		
	Operation contro				_	_	
	Operation swit				Wireless-Remote controller	_	
	Room tempera		ol		MC. Thermostat	_	
	Pilot lamp				RUN (Green), TIMER (Yellow),		
	•				ECONO (Orange), HI POWER (Green)	-	
	Safety equipmer	t				Dome mounted protector (for compressor	
					-	Internal thermostat (for fan motor)	
	O.D			mm (in)	Liquid line: <b>6.35 (1/4''</b> )	Gas line: 012.7 (1/2")	
piping	Connecting	method			Flare con	necting	
ĥ	Attached ler	gth of pip	ing		Liquid line: 0.5m	_	
ipi					Gas line : 0.43m		
	Insulation				Necessary (I	· ·	
	Drain hose				Connec		
	Power source co	rd			3 m (3 cores	,	
	Connection	Size × C	ore number		1.5 mm <sup>2</sup> $ imes$ 3 cores (In	cluding earth cable)	
	wiring	Connec	ting method		Terminal block (Se		
	Accessories (inc	luded)			Mounti	ng kit	
	Optional parts				_		

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

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

(2) The operation data are applied to the 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)

lte	m		Model	SRK56A	SRC56CA		
	Cooling capacity	1)	W	500	0		
	Power source		**	1 Phase, 220/230/240V, 50 Hz			
	Cooling input	•	kW				
ta <sup>(1)</sup>			A	9.7/9.3/8.7			
dai	Running current (Cooling)		A	44/46/48			
<u>o</u>	Inrush current COP (In cooling)		A	2.4			
Operation data <sup>(1)</sup>		Sound level		Hi : 45 Lo : 38	54		
ð	Noise level		dB –		68		
	Exterior dimensio	Power level	mm	Hi : 59 Lo : 52	68		
	Height × Width >			$\textbf{298} \times \textbf{798} \times \textbf{203}$	$640 \times 850 \times 290$		
		Deptil		Noble white	Stucco white		
	Net weight		ka	10	44		
	Refrigerant equip	mont	kg	10	44		
	Compressor typ			-	RM5526GNE4 (Rotary type) $ imes$ 1		
	Motor	ico a la ly	kW	_	1.9		
			NVV	_	Line starting		
Starting method				_			
Heat exchanger				Louver fins & grooved tubing			
Refrigerant control			1	Capillary tubes R22 1.45			
Refrigerant <sup>(3)</sup>			kg	0.7 (BARREL FREEZE 32SAM)			
	Refrigerant oil		l	0.7 (BARREL FF	(EEZE 32SAM)		
Air handling equipment Fan type & Q'ty				Tangential fan $\times$ 1	Propeller fan $\times 1$		
	Motor		W	23	35		
	Air flow (at High	)	CMM	11	39		
	Air filter, Q'ty			Polypropylene net (washable) $\times 2$	_		
	Shock & vibration	absorber		_	Cushion rubber (for compressor)		
	Electric heater			_	_		
	Operation control			Wireless-Remote controller	_		
	Operation switc	h		Whereas Remote controller			
	Room temperat	ure control		MC. Thermostat	-		
	Pilot lamp			RUN (Green), TIMER (Yellow),			
				ECONO (Orange), HI POWER (Green)	_		
	Safety equipment			-	Dome mounted protector (for compressor)		
	1				Internal thermostat (for fan motor)		
	O.D		mm (in)	Liquid line: 6.35 (1/4")			
piping	Connecting n			Flare con	necting		
ing	Attached leng	oth of piping		Liquid line: 0.5m	_		
pip				Gas line : 0.43m			
	Insulation			Necessary (I			
	Drain hose			Connec	ctable		
	Power source cor	d		3 m (3 cores	with Earth)		
	Connection	$\textbf{Size} \times \textbf{Core number}$		1.5 mm <sup>2</sup> × 3 cores (In	cluding earth cable)		
	wiring	Connecting method		Terminal block (Se	crew fixing type)		
	Accessories (incl	uded)		Mounti	ng kit		
	Optional parts						

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

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

(2) The operation data are applied to the 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)

			Model	SRK25GZ-L1	SRC25GZ-L1	
Item						
Cooling capacity <sup>(1)</sup>			W	2500 [900~2900]		
	ng capacity <sup>(1)</sup>		W	3400 [900~4000]		
Power	r source			1 Phase, 220/240V, 50Hz		
÷	Cooling input		kW	0.96 [0.3	-	
ata(	Running current (Cooling)		A	4.8		
ğ	Heating input		kW			
io	Running curre		A	5.8		
erat	Inrush current		A	5.8		
Operation data <sup>(1)</sup>		COP (In cooling)		2.60		
-	Noise level		dB (A)	Cooling: 38 Heating: 39	Cooling: 46 Heating: 46	
	or dimensions			250 imes750 imes178	540  imes 645  imes 245	
	ght $ imes$ Width $ imes$ D	epth	mm			
Color				Ivory white	Polar white	
Net w	•		kg	7.5	28	
	erant equipme			_	RM5465GA1 (Rotary type) $ imes$ 1	
Con	npressor type 8 Motor	k Q ty	kW		0.75	
		- 4	KVV	-		
Starting method					Line starting	
Heat exchanger				Louver fins & bare tubing		
Refrigerant control				Capillary tubes		
Refrigerant <sup>(4)</sup>			kg	R22 0.64 (Pre-Charged up to the piping length of 5m) 0.35 (BARREL FREEZE 32SAM)		
Refrigerant oil			l	MC control		
Deice control Air handling equipment			MC co	ntrol		
Fan type & Q'ty				Tangential fan $\times$ 1	Propeller fan $\times$ 1	
Motor			w	18	20	
(Cooling)		VV	7.0	20		
Air flow (at High) (Heating)		СММ	7.5	21		
Air filter, Q'ty			Polypropylene net (washable) $\times 2$	21		
	& vibration ab	earber			Cushion rubber (for compressor)	
	ic heater	301061				
	tion control			_	_	
•				Wireless-Remote controller	-	
	eration switch	aantral		MC. Thermostat	_	
	of lamp	control		MC. Thermostat – RUN (Green), TIMER (Yellow)		
	•					
Salety	/ equipment			Compressor: Overheat protection, heating overload p tection, serial signal error protection, indoor fan mot		
	O.D		mm (in)		-	
		mm (in)		) Gas line: (9.52 (3/8")		
Refrigerant piping		Connecting method		Flare connecting		
ing	Allached leng	Attached length of piping		Liquid line: 0.4 m		
Refrige piping	la culation			Gas line : 0.35 m		
Insulation       Drain hose				Necessary (Both sides)		
				Connectable		
Power	r source cord			2.5 m (3 cores with Earth)		
Connection wiring Size × Core number Connecting method				1.5 mm <sup>2</sup> × 4 cores (Inc		
				Terminal block (Screw fixing type)		
	ssories (include	a)		Mounti	пд кіт	
Option	nal parts			-		

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

Item	Indoor air t	emperature	Outdoor air	Standards	
Operation	DB	WB	DB	WB	Standards
Cooling	27ºC	19ºC	35ºC	24ºC	JIS C9612, ISO-T1
Heating	20ºC	-	7ºC	6ºC	JIS C9612, ISO-T1

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

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

(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.)

<sup>(4)</sup> Limitation of Voltage application Minimum: 198V Maximum: 264V

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

Item			Model	SRK35GZ-L1	SRC35GZ-L1		
Cooli	ng capacity <sup>(1)</sup>		W	3650 [90	0~3900]		
Heating capacity <sup>(1)</sup>			w	4800 [900~6100]			
Powe	r source			1 Phase, 220/240V, 50Hz			
	Cooling input		kW	1.24 [0.3	85~1.60]		
(I)	Running current (Cooling)		A	6.	3		
Operation data <sup>(1)</sup>	Heating input		kW	1.52 [0.3	85~2.10]		
u l	Running current (Heating)		A	7.	7		
ati	Inrush current		A	7.	7		
be	COP (Cooling) Noise level			2.94			
0			dB (A)	Cooling: 39 Heating: 42 Cooling: 46 Heating: 47			
	or dimensions			275 × 790 × 174	542 × 795 × 255		
	ght $ imes$ Width $ imes$ [	Jepth	mm	¥ 15	D 1 15		
Color				Ivory white	Polar white		
Net w	•	-nt	kg	8	35		
-	jerant equipme npressor type			-	RM5485GAE3 [Rotary type] × 1		
001	Motor	u or ty	kW		0.75		
	Starting met	hod			Line starting		
Hoa	t exchanger			Louver fins & bare tubing			
Refrigerant control				Capillary tubes			
Refrigerant <sup>(4)</sup>			kg	R22 1.1 (Pre-Charged up to the piping length of 5m)			
Refrigerant oil			l	0.35 (BARREL FREEZE 32SAM)			
Deice control			2	MC control			
Air handling equipment Fan type & Q'ty				Tangential fan × 1	Propeller fan × 1		
Motor		w	16	18			
Air flow (at High) (Cooling) (Heating)			7	24			
			10	24			
Air	filter, Q'ty	•		Polypropylene net (washable) × 2	-		
Shock	& vibration a	bsorber		-	Cushion rubber (for compressor)		
Electr	ic heater			-	-		
•	tion control			Wireless-Remote controller	-		
	om temperatur	e control		MC. Thermostat	_		
	ot lamp			RUN (Green), TIMER (Yellow)			
	/ equipment			Compressor: Overheat protection, heating overload protection (High pressure control), overcur protection, frosting protection, serial signal error protection, indoor fan motor error protection			
	O.D		mm (in)				
E	-	method		Liquid line: $\phi$ 6.35 (1/4") Gas line: $\phi$ 12.7 (1/2") Flare connecting			
era		Connecting method Attached length of piping		Liquid line: 0.4 m			
piping	Addened length of piping			Gas line : 0.35 m			
				Necessary (Both sides)			
Drain hose				Conne	ctable		
Power source cord			2.5 m (3 cores with Earth)				
Conn	ection wiring	Size $\times$ Core numb	er	1.5 mm <sup>2</sup> × 4 cores (In	cluding earth cable)		
Connection wiring Connecting method			bd	Terminal block (Screw fixing type)			
Accessories (included)				Mounting kit			
	nal parts						

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

Item	Indoor air t	emperature	Outdoor air	Standards	
Operation	DB	WB	DB	WB	Standards
Cooling	27ºC	19ºC	35ºC	24ºC	JIS C9612, ISO-T1
Heating	20ºC	-	7ºC	6ºC	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	
Cooli	ng capacity(1)			W	5000 [900	~5600]	
Heating capacity <sup>(1)</sup>				W	6700 [900~7900]		
Powe	r source				1 Phase, 220/240V, 50Hz		
	Cooling input		kW	2.22 [0.17	~2.65]		
a <sup>(1)</sup>	Running current (Cooling)		Α	10.2	-		
Operation data <sup>(1)</sup>	Heating input		kW	2.50 [0.14	5~2.551		
	Running current (Heating)		Α	11.5			
	Inrush current		Α	11.5			
bei	COP (Cooling)			2.25			
0	Noise level		dB (A)	Cooling: 43 Heating: 43 Cooling: 48 Heating: 48			
Exter	or dimensions	3		- ( )			
Hei	ght $ imes$ Width $ imes$ [	Depth		mm	275 × 790 × 189	595  imes 720  imes 290	
Color	-				Ivory white	Polar white	
Net w	eight			kg	9	36	
Refrig	jerant equipme	ent				GR5490FD4 [Scroll type] × 1	
Cor	npressor type	& Q'ty			_		
	Motor			kW	-	1.5	
	Starting met	hod			-	Line starting	
Heat exchanger			Louver fins & bare tubing				
Refrigerant control					Electric expansion valve		
Refrigerant <sup>(4)</sup>				kg	R22 1.24 (Pre-Charged up to the piping length of 7m)		
Refrigerant oil				l	0.35 (BARREL FREEZE 32SAM)		
Deice control			MC con	trol			
Air handling equipment Fan type & Q'ty			Tangential fan $\times$ 1	Propeller fan $\times 1$			
Motor		w	26	35			
۸ir	flow (at High)		(Cooling)	01111	10	26	
(Heating)		СММ	10.5	30			
Air	filter, Q'ty				Polypropylene net (washable) $\times 2$	-	
Shoc	& vibration a	bsorber			-	Cushion rubber (for compressor)	
Electi	ic heater				-	_	
•	tion control eration switch				Wireless-Remote controller	-	
	om temperatur	e control			MC. Thermostat	-	
	t lamp				RUN (Green), TIMER (Yellow), ECO	NO (Orange), HI POWER (Green)	
Safet	/ equipment				Compressor: Overheat protection, heating overload protect frosting protection, serial signal error protection, indoor fa		
	O.D			mm (in)	Liquid line: (1/4″)		
Ĭ	-	Connecting method		()	Flare connecting		
jerč	Attached len		a		Liquid line: 0.4 m		
Refrigerant piping	Attached length of piping			Gas line : 0.35 m			
nsulation			Necessary (Both sides)				
Drain hose			Connectable				
Power source cord			2.5 m (3 cores with Earth)				
Com	ootion winter	Size × Co	re number		1.5 mm <sup>2</sup> × 4 cores (Inc	luding earth cable)	
Conn	ection wiring	Connecti	ng method		Terminal block (Screw fixing type)		
Accessories (included)					Mounting kit		
0	nal parts				_		

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

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

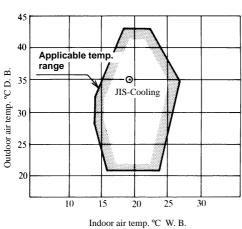
(Purging is not required even in the short piping.) If the piping length is longer,

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

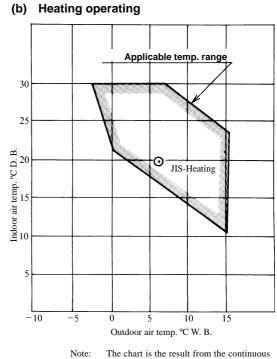
# 1.2.2 Range of usage & limitations

#### (1) Inlet air temperature

(a) Cooling operation



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



The chart is the result from the continuous operation under constant air temperature con-ditions, however, excludes the initial pulldown stage and any possible defrost cycles.

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

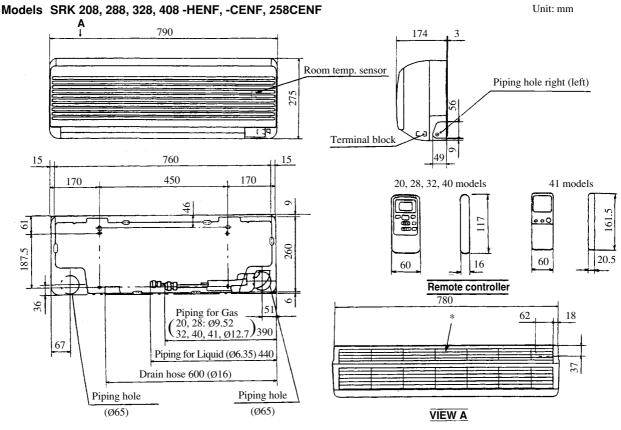
Item	Models	All models
Total one wa	ay piping length (m)	15
Vertical height	Outdoor unit is higher	5
difference (m)	Outdoor unit is lower	5

#### (3) Voltage application

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

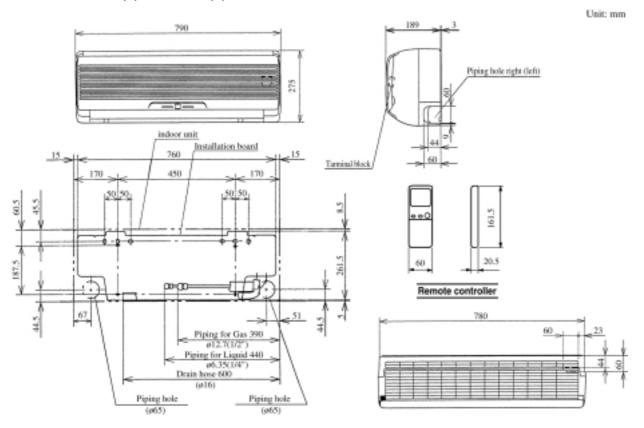
### 1.2.3 Exterior dimensions

### (1) Indoor unit



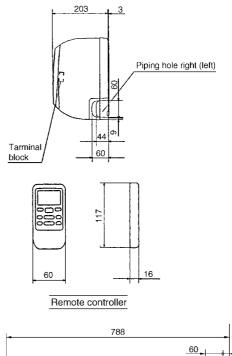
NOTE(1) Models 20 and 28 have no inlet opening indicated by \* mark.

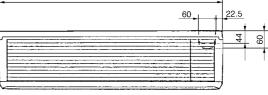
#### Models SRK501H(C)ENF-L, 561H(C)ENF-L



#### Models SRK50A, 56A

A 798 298 **G** Indoor Unit Installation board 65 718 15 174 450 174 <sub>1</sub>50 44.5 50 8.5 ╏ 227.5 284.5 6.3 6.3 ÷ po-CIC 44.5 65 65 44.5 Piping for Gas 430Ø12.7 (1/2") Piping hole Piping for Liquid 500Ø6.35 (1/4") Piping hole (Ø65) (Ø65) Drain hose 600

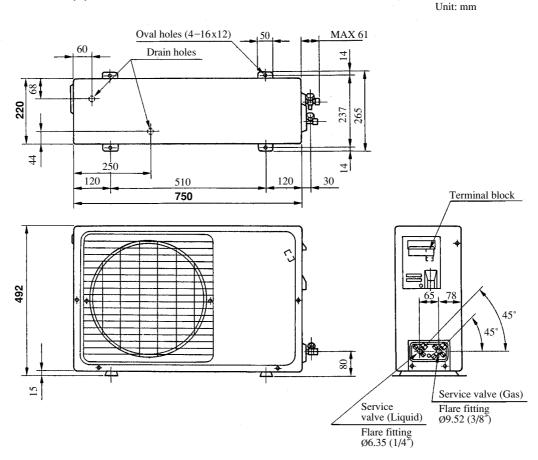




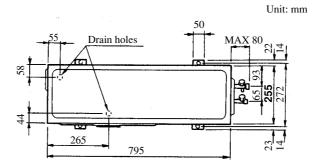
VIEW A

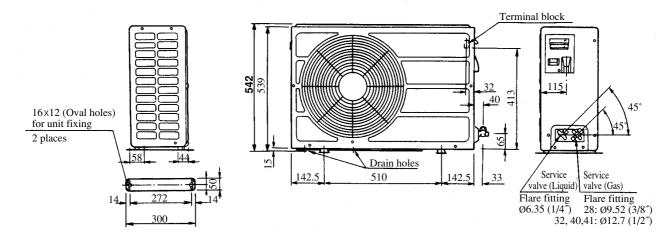
Unit : mm

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



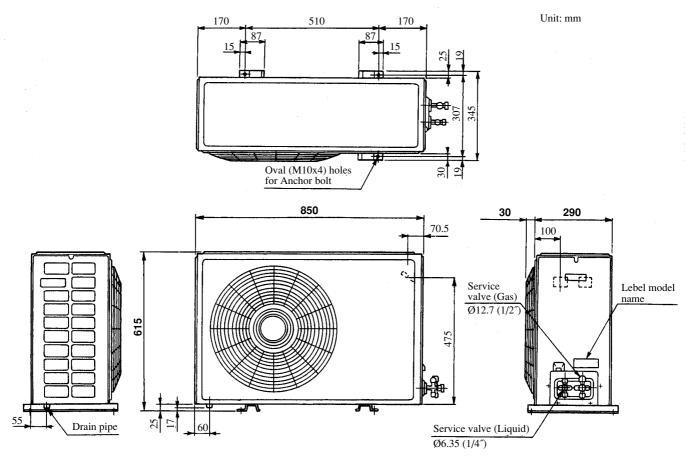
Models SRC 288, 328, 408 -HENF -CENF, 258 CENF



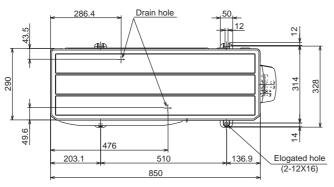


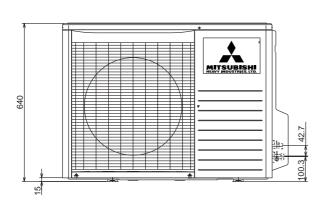
1-27

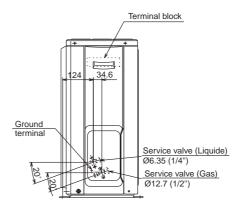
#### Models SRC501H(C)ENF, 561H(C)ENF





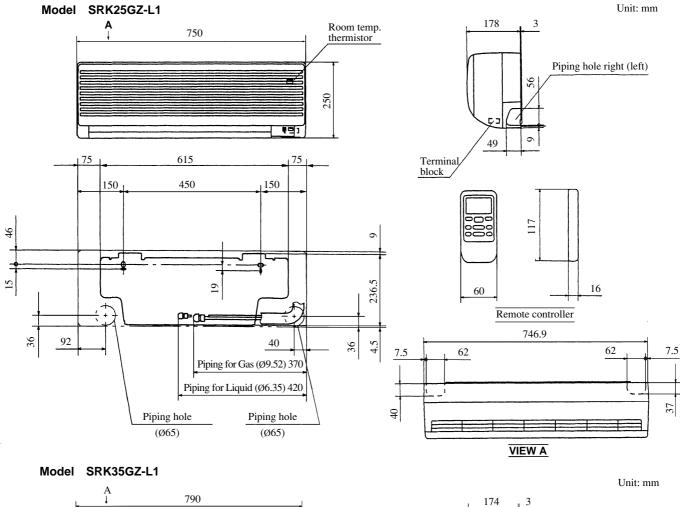


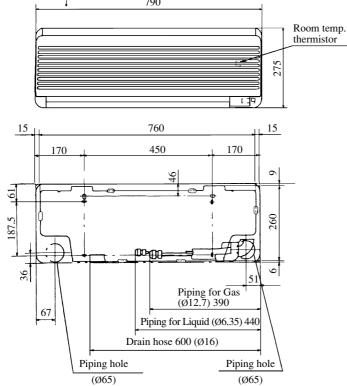


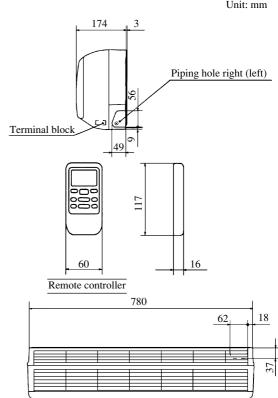


### 1.2.3 Exterior dimensions

#### (1) Indoor unit

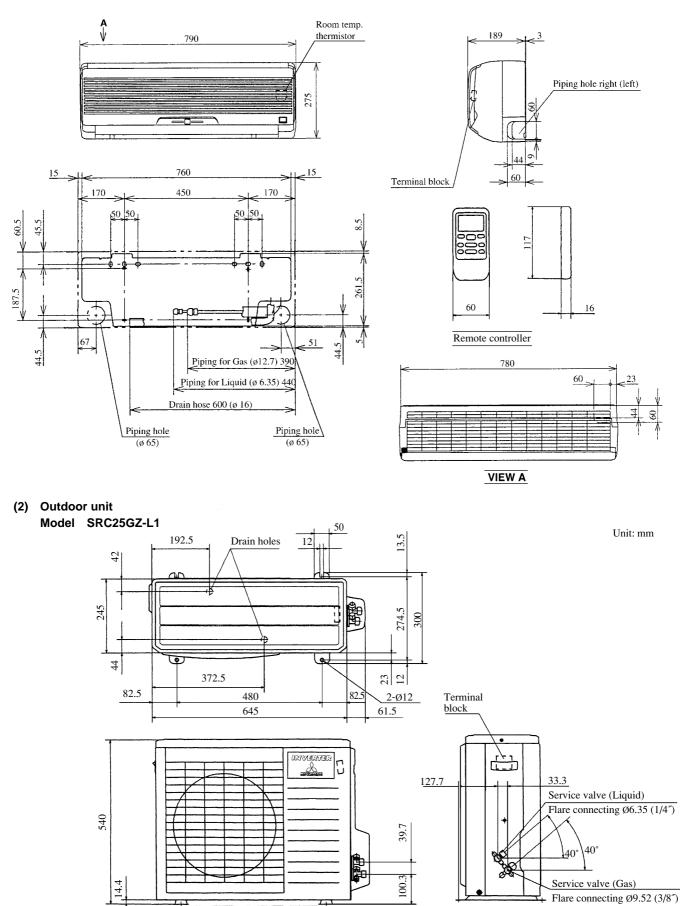




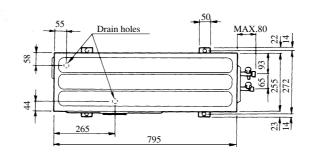


VIEW A

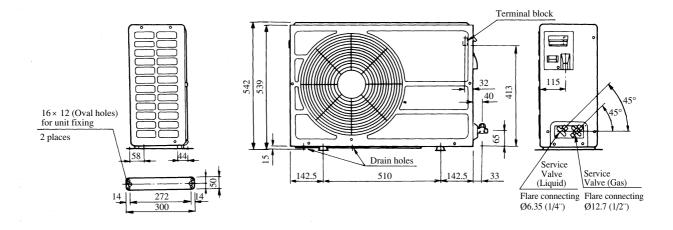
Unit: mm



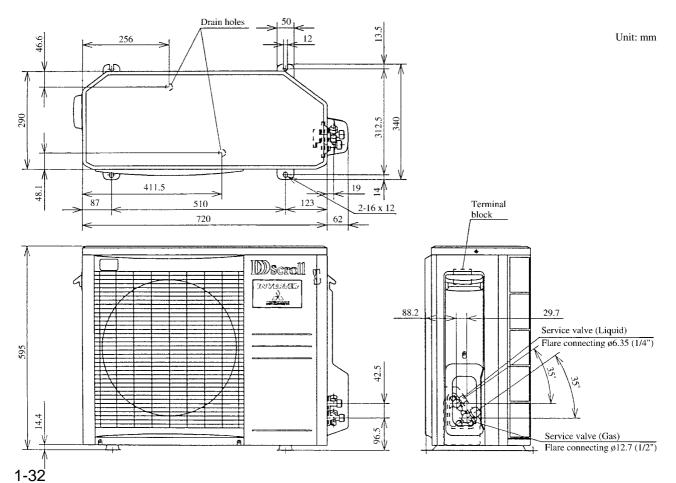
Model SRC35GZ-L1



Unit : mm

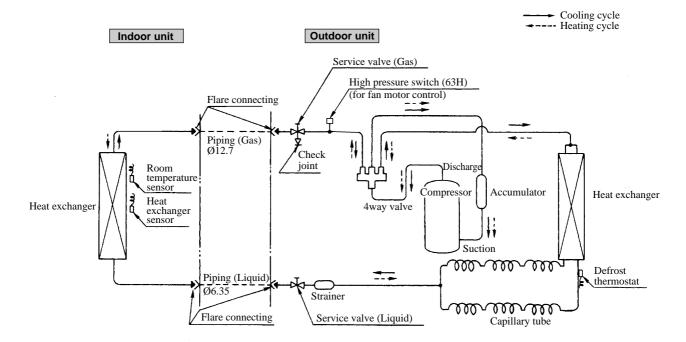


Model SRC502Z-L

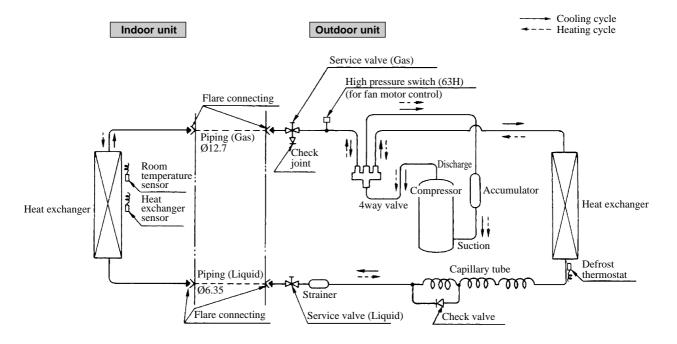


### 1.2.4 Piping system

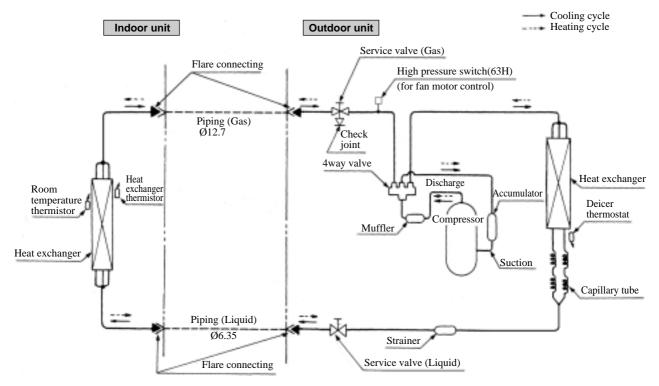
Model SRK328HENF-L2



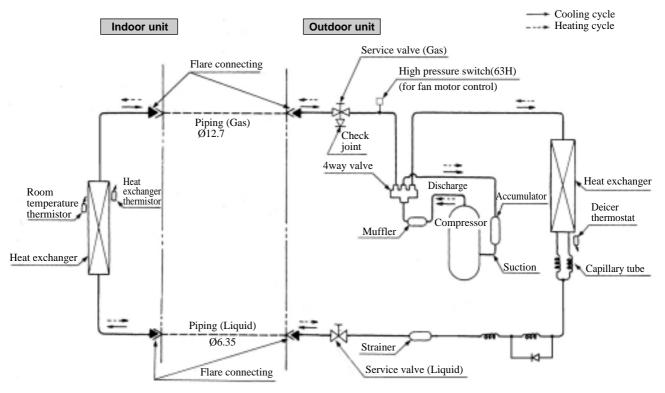
Model SRK408HENF-L2



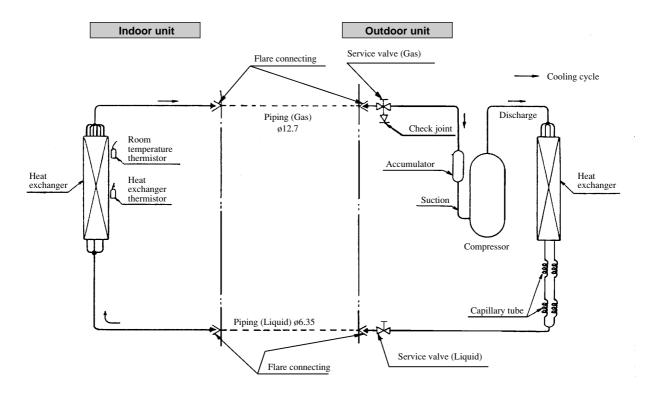
#### Models SRK501HENF-L, 561HENF-L



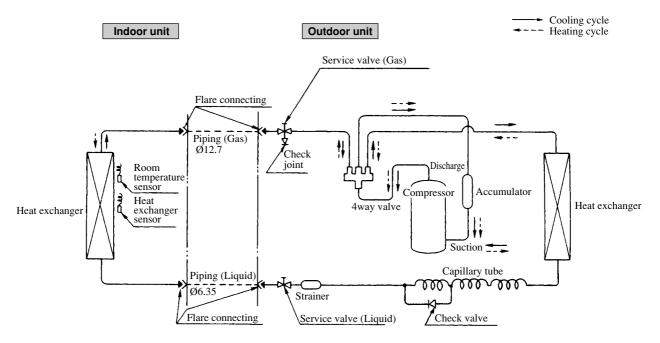
Models SRK50HA, 56HA

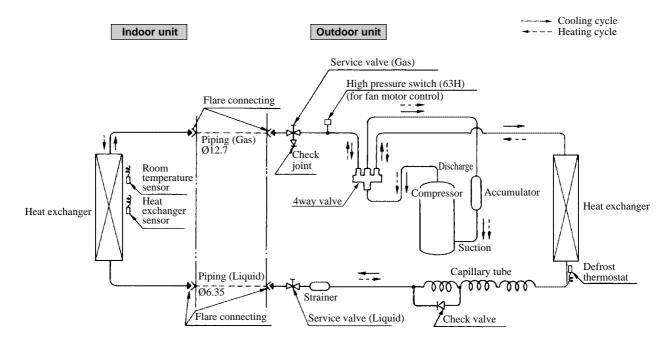


#### Models SRK501CENF-L, 561CENF-L

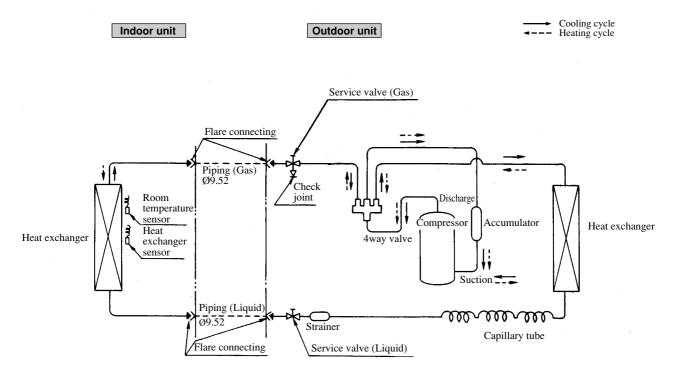


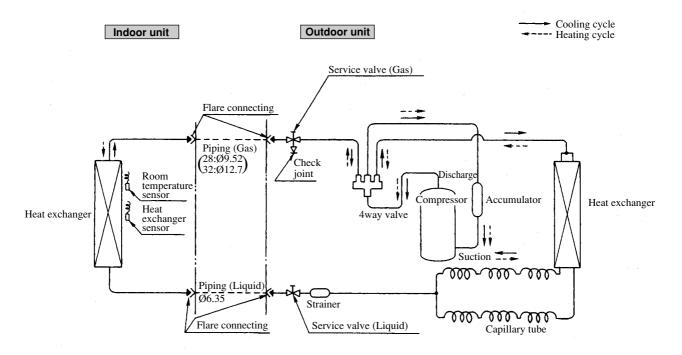




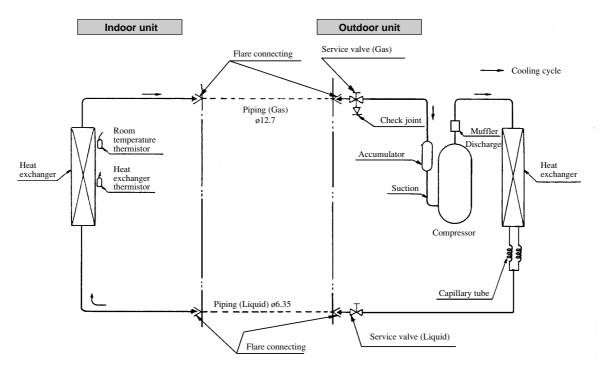


Model SRK208HENF-L



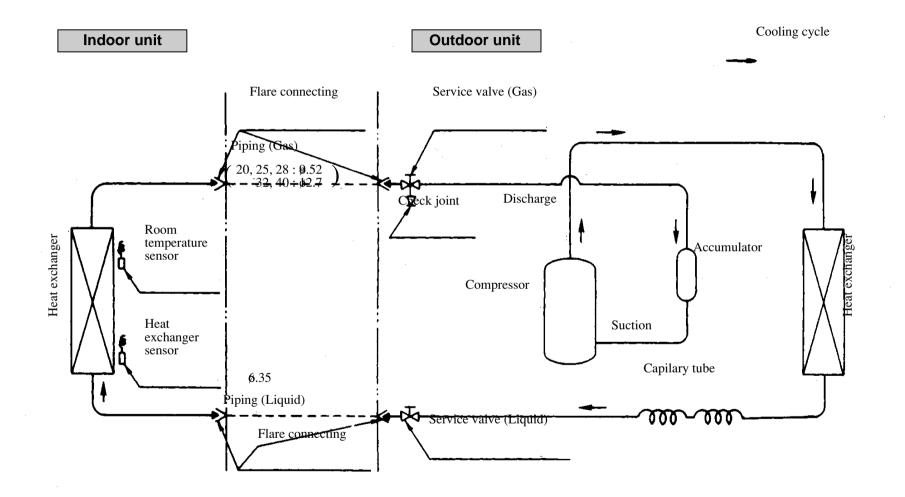


Models SRK50CA, 56CA



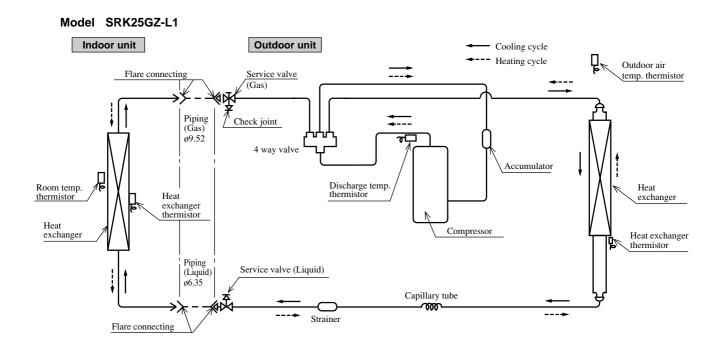
# 1.2.4 Piping system

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

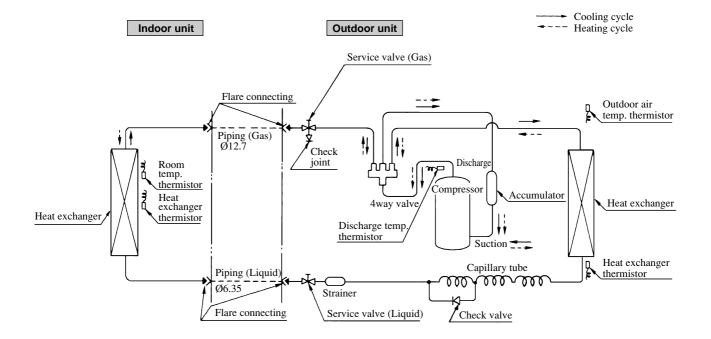


1-38

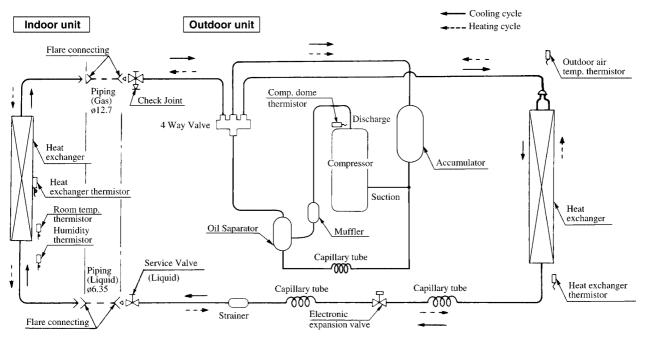
# 1.2.4 Piping system



Model SRK35GZ-L1



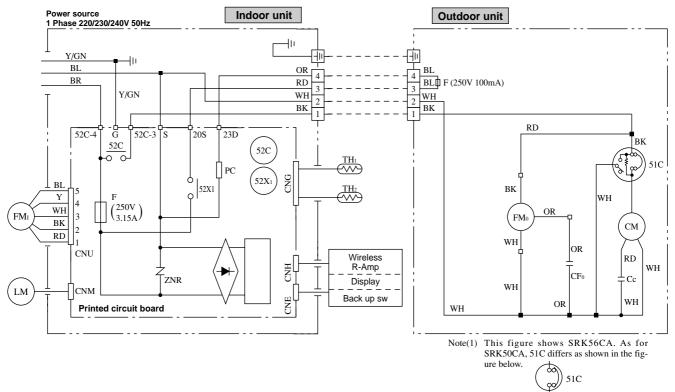
#### Model SRK502Z-L



# 1.3 ELECTRICAL DATA

# 1.3.1 Electrical wiring

Models SRK50CA, 56CA



(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
Cc	Capacitor for CM	LM	Louver motor
CFo	Capacitor for FMo	Th <sub>1</sub> , <sub>2</sub>	Thermistor
СМ	Compressor motor	ZNR	Varistor
F	Fuse	51C	Motor protector for CM
FM	Fan motor (Indoor unit)	52C	Magnetic contactor for CM
FMo	Fan motor (Outdoor unit)		

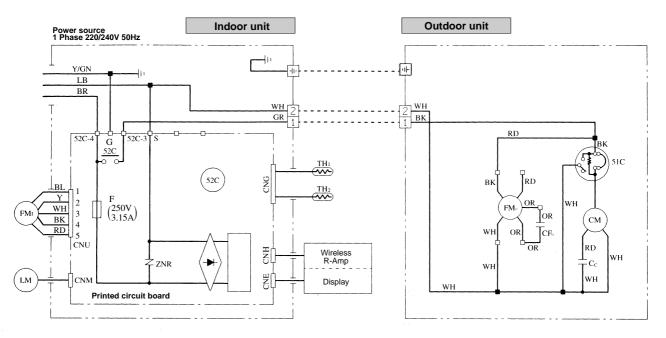
#### Table of relay operations

	Operation	
		Cooling
Relay symbol	Control part	
52C	СМ	0

Notes (1)  $\bigcirc$ : denotes magentized relay  $\times$ : denotes demagnetized relay

(2) Th<sub>1</sub> is room temperature thermistor. Th<sub>2</sub> (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

#### Meaning of marks

Symbol	Parts name	Symbol	Parts name
Cc	Capacitor for CM	LM	Louver motor
CFo	Capacitor for FMo	Th <sub>1</sub> , <sub>2</sub>	Thermistor
СМ	Compressor motor	ZNR	Varistor
F	Fuse	51C	Motor protector for CM
FM	Fan motor (Indoor unit)	52C	Magnetic contactor for CM
FMo	Fan motor (Outdoor unit)		

#### Table of relay operations

Y/GN

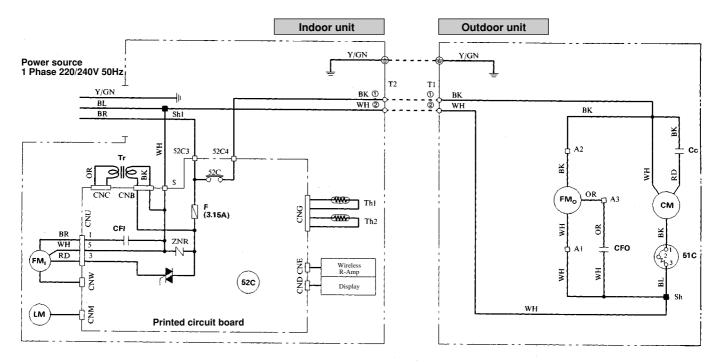
$\bigvee$	Operation	
Relay symbol	Control part	Cooling
52C	СМ	0

Yellow/Green

Notes (1)  $\bigcirc$ : denotes magentized relay  $\times$ : denotes demagnetized relay

(2)  $Th_1$  is room temperature thermistor.  $Th_2$  (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
Symbol	i alto hame	Symbol	i alts liallie
Cc	Capacitor for CM	LM	Louver motor
CF	Capacitor for FM1	Th1, 2	Thermistor
CFo	Capacitor for FMo	Tr	Transformer
СМ	Compressor motor	ZNR	Varistor
F	Fuse	51C	Motor protector for CM
FM	Fan motor (Indoor unit)	52C	Magnetic contactor for CM
FMo	Fan motor (Outdoor unit)		

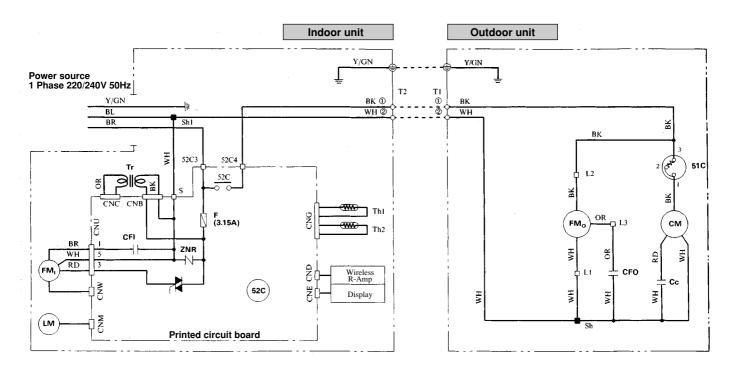
#### Table of relay operations



Notes (1) (1); denotes magentized relay ×: denotes demagnetized relay

(2) Th<sub>1</sub> is room temperature sensor. Th<sub>2</sub> (the heat exchanger sensor) is frost prevention sensor. (for details, refer to pages 74)

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

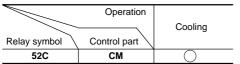


Color symbol		
BK	Black	
BL	Blue	
BR	Brown	
RD	Red	
OR	Orange	
WH	White	
Y/GN	Yellow/Green	

# Meaning of marks

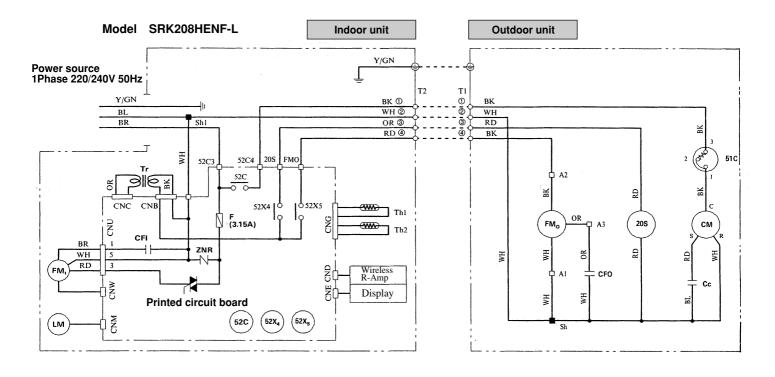
Symbol	Parts name	Symbol	Parts name	
Cc	Capacitor for CM	LM	Louver motor	
CF	Capacitor for FMI	Th <sub>1</sub> , <sub>2</sub>	Thermistor	
CFo	Capacitor for FMo	Tr	Transformer	
СМ	Compressor motor	ZNR	Varistor	
F	Fuse	51C	Motor protector for CM	
FM	Fan motor (Indoor unit)	52C	Magnetic contactor for CM	
FMo	Fan motor (Outdoor unit)			

Table of relay operations



Notes (1) ; denotes magentized relay ×: denotes demagnetized relay

(2) Th<sub>1</sub> is room temperature sensor. Th<sub>2</sub> (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	Th1, 2	Thermistor
CFi	Capacitor for FMI	Tr	Transformer
CFo	Capacitor for FMo	ZNR	Varistor
СМ	Compressor motor	20S	4 way valve, coil
F	Fuse	51C	Motor protector for CM
FM	Fan motor (Indoor unit)	52C	Magnetic contactor for CM
FMo	Fan motor (Outdoor unit)	52X4, 5	Auxiliary relay
LM	Louver motor		

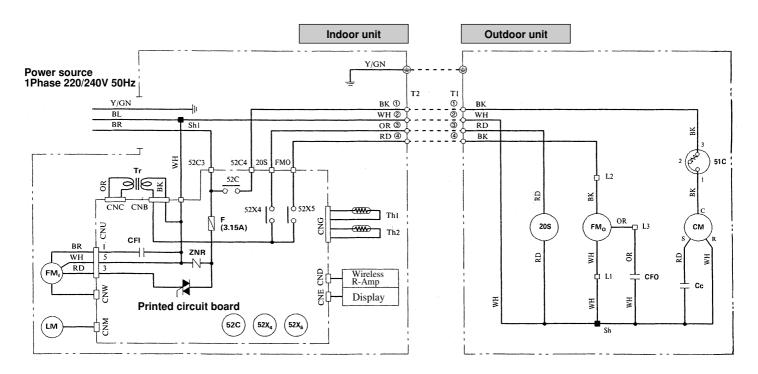
#### Table of relay operations

Relay symbol	Operation Control part	Cooling	Heating	Defrost
52X4	20S	×	0	×
<b>52X</b> ₅	FMo	0	0	×
52C	СМ	0	0	0

Notes (1)  $\bigcirc$  : denotes magentized relay  $\times$  : denotes demagnetized relay

(2) Th<sub>1</sub> is room temperature sensor. Th<sub>2</sub> (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

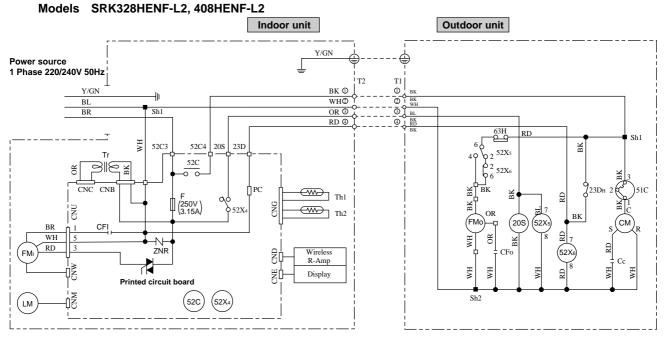
Symbol	Parts name	Symbol	Parts name
Cc	Capacitor for CM	Th1, 2	Thermistor
CFI	Capacitor for FMI	Tr	Transformer
CFo	Capacitor for FMo	ZNR	Varistor
СМ	Compressor motor	20S	4 way valve, coil
F	Fuse	51C	Motor protector for CM
FM	Fan motor (Indoor unit)	52C	Magnetic contactor for CM
FMo	Fan motor (Outdoor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

#### Table of relay operations

	Operation			
Relay symbol	Control part	Cooling	Heating	Defrost
52X4	20S	×	0	×
<b>52X</b> ₅	FMo	0	0	×
52C	СМ	0	0	0

Notes (1) O: denotes magentized relay ×: denotes demagnetized relay

(2) Th<sub>1</sub> is room temperature sensor. Th<sub>2</sub> (the heat exchanger sensor) is the hot start, hot keep, and frost prevention sensor. (for details, refer to pages 72, 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	Th1,2	Thermistor
CF	Capacitor for FMI	Tr	Transformer
CFo	Capacitor for FMo	ZNR	Varistor
СМ	Compressor motor	20S	4 way valve, coil
F	Fuse	51C	Motor protector for CM
FMi	Fan motor (Indoor unit)	52C	Magnetic conductor for CM
FMo	Fan motor (Outdoor unit)	52X4,5,6	Auxiliary relay
LM	Louver motor	63H	High pressure switch
PC	Photo coupler	23DH	Defrost thermostat

#### Table of relay operations

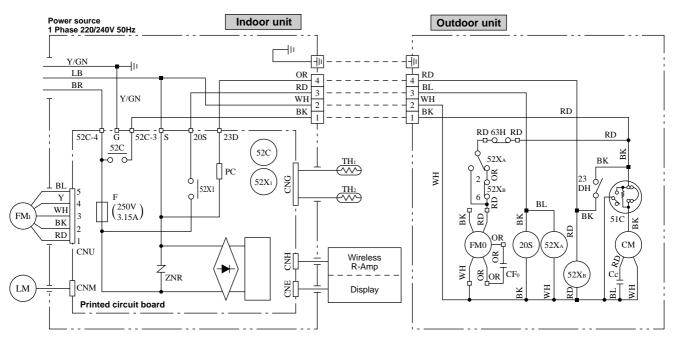
Relay symbol	Operation Control part	Cooling	Heating	Defrost
52X4	20S	×	0	×
52X5	FMo	×	0	×
52X6	FINO	×	×	Ó
52C	СМ	0	0	0

Notes (1)  $\bigcirc$ ; denotes magnetized relay  $\times$ : 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)

Preset values: (3)

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/cm<sup>2</sup>)]

# 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
Cc	Capacitor for CM	Th <sub>1, 2</sub>	Thermistor
CF₀	Capacitor for FMo	ZNR	Varistor
СМ	Compressor motor	20S	4 way valve. coil
F	Fuse	51C	Motor protector for CM
FM	Fan motor (Indoor unit)	52C	Magnetic contactor for CM
FMo	Fan motor (Outdoor unit)	52X <sub>A, B, 1</sub>	Auxiliary relay
LM	Louver motor	63H	High pressure switch
PC	Photo coupler	23DH	Thermostat (Defrost)

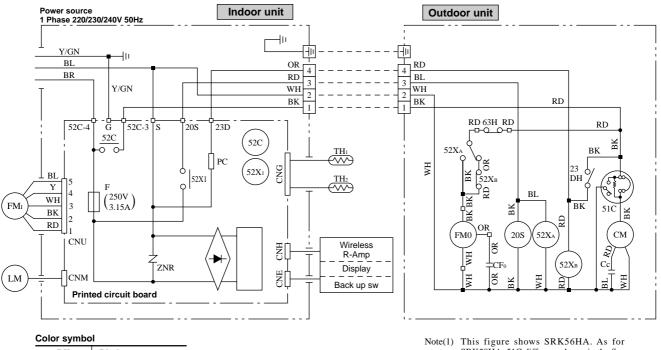
#### Table of relay operations

$\swarrow$	Operation		11	D.(
Relay symbol	Control part	Cooling	Heating	Defrost
52X1	20S	×	0	×
52X <sub>A</sub>	FMo	×	0	×
52X <sub>B</sub>	FIVI0	×	×	0
52C	СМ	0	0	0

Notes (1)  $\bigcirc$ ; denotes magentized relay  $\times$ : denotes demagnetized relay

(2) Th<sub>1</sub> is room temperature sensor. Th<sub>2</sub> (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



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

51C

Color symbo	
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
Cc	Capacitor for CM	Th <sub>1, 2</sub>	Thermistor
CFo	Capacitor for FMo	ZNR	Varistor
СМ	Compressor motor	20S	4 way valve. coil
F	Fuse	51C	Motor protector for CM
FM	Fan motor (Indoor unit)	52C	Magnetic contactor for CM
FMo	Fan motor (Outdoor unit)	52X <sub>A, B, 1</sub>	Auxiliary relay
LM	Louver motor	63H	High pressure switch
PC	Photo coupler	23DH	Thermostat (Defrost)

Table of relay operations

	Operation	Cooling	Heating	Defrost
Relay symbol	Control part	5	0	
52X <sub>1</sub>	20S	×	0	×
52X <sub>A</sub>	EM	×	0	×
52X <sub>B</sub>	FMo	×	×	0
52C	СМ	0	0	0

Notes (1)  $\bigcirc$ ; denotes magentized relay  $\times$ : denotes demagnetized relay

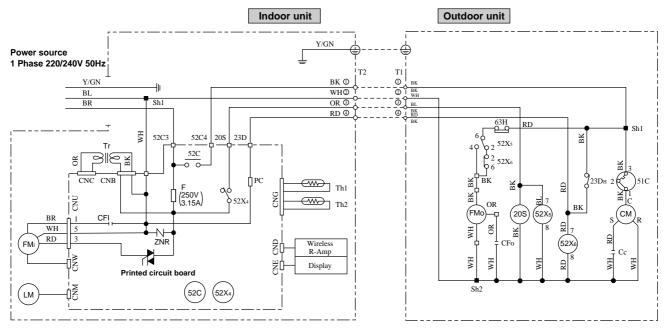
(2) Th<sub>1</sub> is room temperature thermistor. Th<sub>2</sub> (the heat exchanger thermistor) is the hot start, hot keep, and frost prevention thermistor. (for details, refer to pages 19, 20, 22)

(3) Preset values :

23DH (defroster stop thermostat) : opens at over  $14^\circ\text{C}$ 

63H (overload protection high pressure switch during heating) : closes at 1.86(19.0 )/ opens at 2.41(24.5) [MPa(kgf/cm<sup>2</sup>)]

#### 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	Th1,2	Thermistor
CFi	Capacitor for FMI	Tr	Transformer
CFo	Capacitor for FMo	ZNR	Varistor
СМ	Compressor motor	20S	4 way valve, coil
F	Fuse	51C	Motor protector for CM
FMi	Fan motor (Indoor unit)	52C	Magnetic conductor for CM
FMo	Fan motor (Outdoor unit)	52X4,5,6	Auxiliary relay
LM	Louver motor	63H	High pressure switch
PC	Photo coupler	23DH	Defrost thermostat

## Table of relay operations

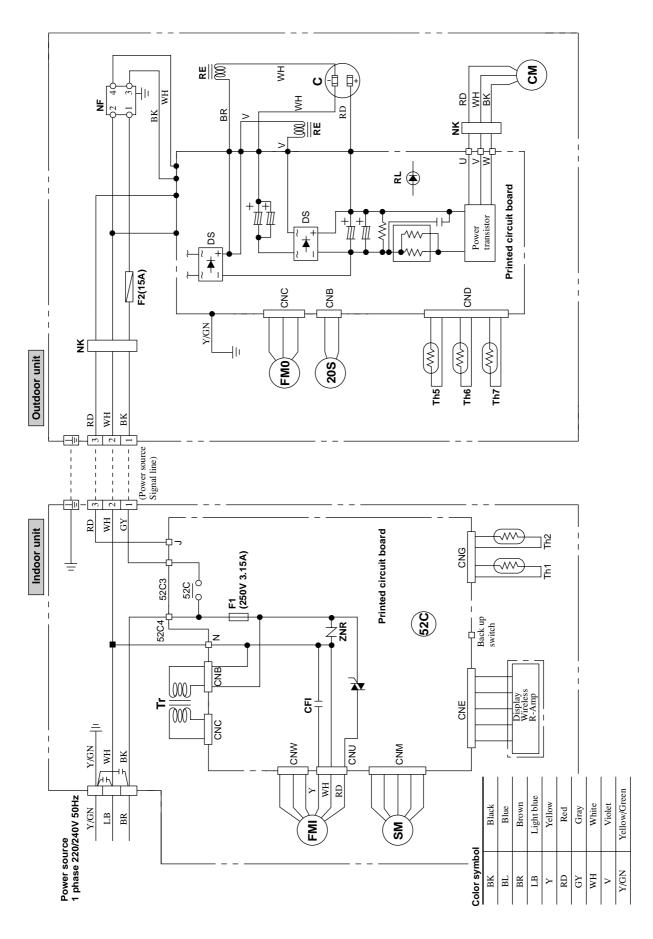
Relay symbol	Operation Control part	Cooling	Heating	Defrost
52X4	20S	×	0	×
52X5	FMo	×	0	×
52X6	FINO	×	×	0
52C	СМ	0	0	0

Notes

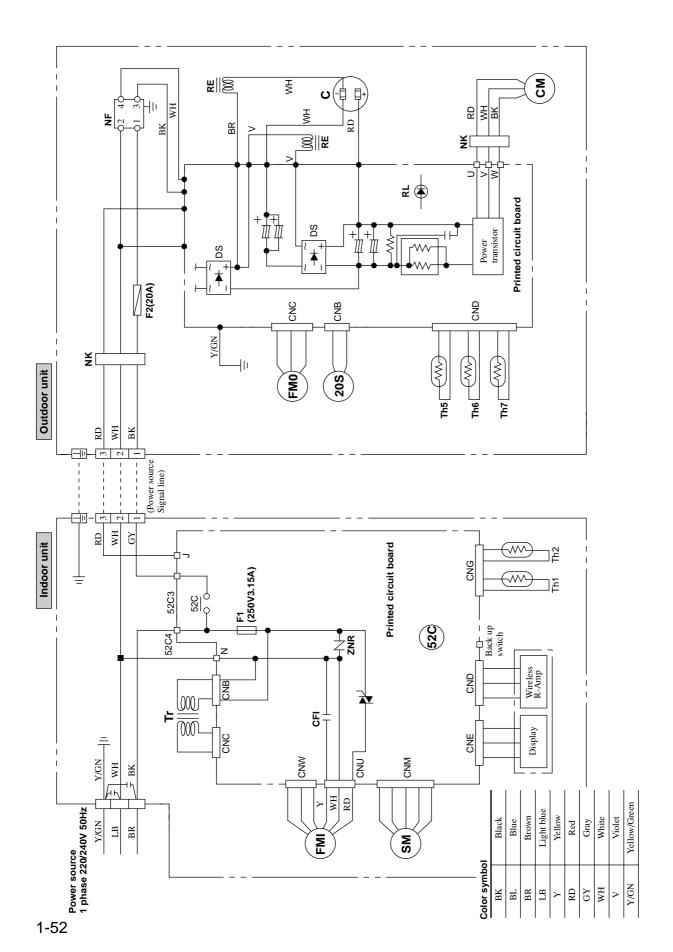
O; denotes magnetized relay ×: denotes demagnetized relay
 Th1 is room temperature thermistor. Th2 (the heat exchanger thermistor) is the hot start, hot keep, and frost prevention thermistor. (for details, refer to pages 19,20,22)

(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/cm<sup>2</sup>)]

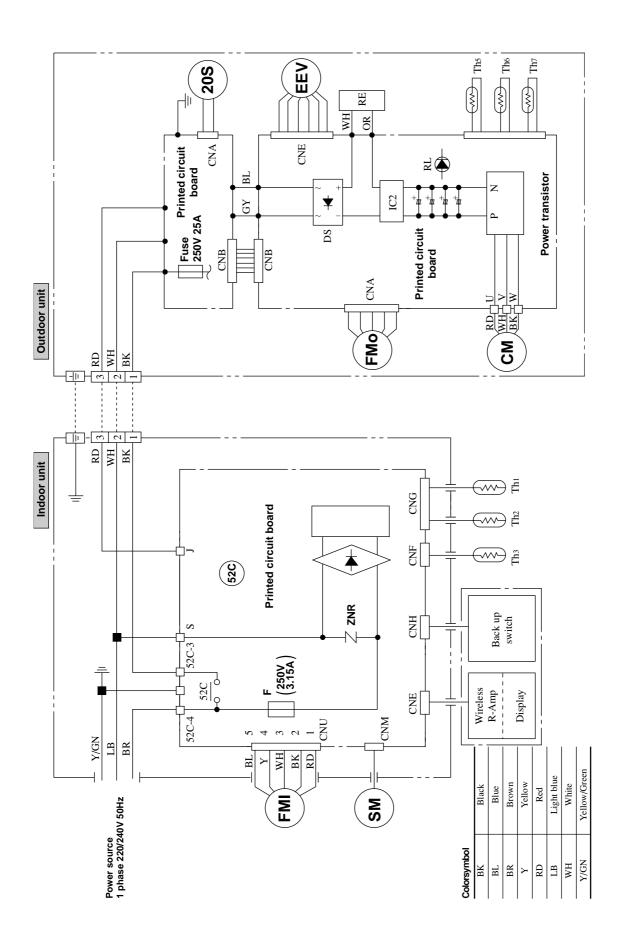
# Model SRK25GZ-L1



# Model SRK35GZ-L1



# Model SRK502Z-L



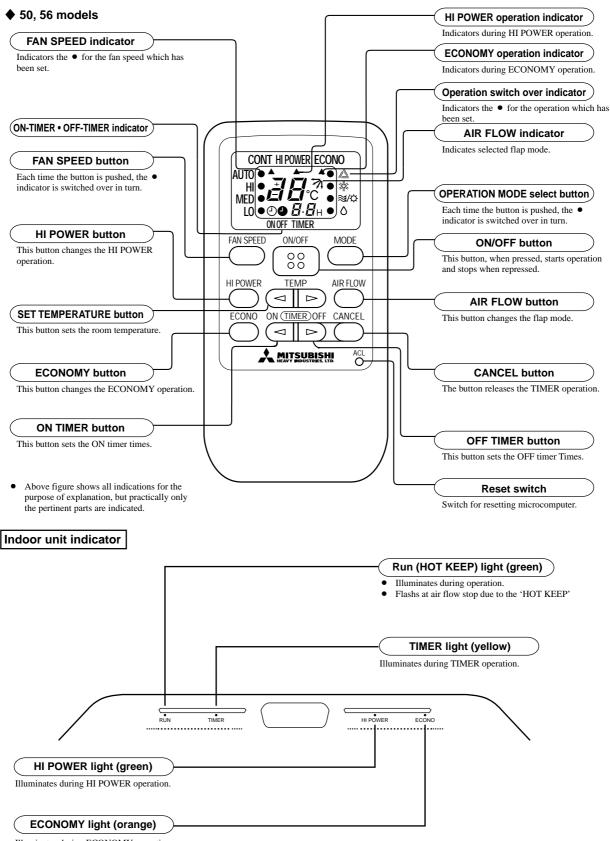
1-53

# 1.4 OUTLINE OF OPERATION CONTROL BY MICROCOMPUTER

# **1.4.1** Table for operation control

1S			Content	
High e compr		low input rotary	Low input rotary compressor with high efficiency is equipped.	-
Wireless remote control		e control	All operation modes can be operated from distance place by the wire- less remote control. And also liquid crystal is used to show all kinds to operation or, off, air flow switch, operation switch, timer switch, timer set, temperature set, flap control.	68
Dry			Defumidifies while keeping room temperature to the thermostat setting level by M.C. thermostat.	73
	ON TIM	ER	ON timer setting for anytime during 24 (32, 40: 12) hours can be performed.	7(
	OFF TIMER		<ul> <li>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.</li> <li>While COOL &amp; 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.</li> <li>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)</li> </ul>	70
	Automa	atic fan control	<ul> <li>Room unit air volume can be automatically controlled step by step, according to the difference between room temperature and setting temperature.</li> <li>1. Shorten pull down time for cooling/heating operation</li> <li>2. Low noise level operation can performed by proper air volume.</li> </ul>	7
			When heating is initiated, thermostat reset, or heating re- sumed 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.	7
ntrol	3 Hot system [Heat Pump type only] (in heating operation)	HOT SPURT	The thermostat temperature setting is automatically in- creased by 2°C when heating is initiated to provide faster stabiliza- tion of room temperature.	7
Micro computer control	3 Hot s Pump t heating	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.	7
Micro co	control	omputer (MC) led timely ing operation ing)	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
		licro computer led) thermostat	M. C thermostat improves on energy saving and comfort, by control- ling room temperature with high accuracy.	-
	Comfort timer (Cooling & Heating)		<ul> <li>The flap can be automatically controlled by operating wireless remote control.</li> <li>AUTO (Natural flow) : Flap operation is automatically controlled.</li> <li>Swing : This will swing the flap up and down.</li> <li>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.</li> </ul>	60
			The room temperature is checked 60 minutes before the timer is at ON. Depending on the temperature at that time, the operation starets 5 to 60 minutes before the timer is at ON.	7
Self Diagnosis Function			<ul> <li>We are constantly trying to do better service to our customers by installing such judges that show abnormality of each function as follows:</li> <li>Abnormality of outdoor unit: TIMER lamp flashing.</li> <li>Abnormality of indoor fan motor: RUN lamp flashing.</li> <li>Abnormality of heat exchanger thermistor: RUN lamp flashing.</li> <li>Abnormality of room temperature thermistor: RUN lamp flashing.</li> <li>Abnormality of room temperature thermistor: RUN lamp flashing.</li> </ul>	70

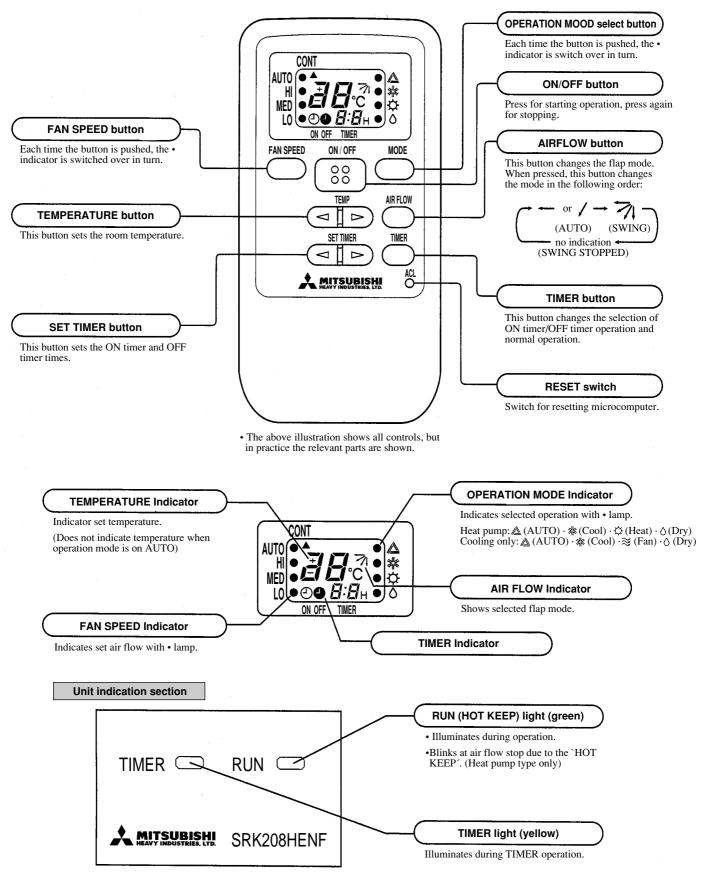
#### (1) Remote controller



(4) Operation control function by remote control switch

# Remote control switch

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



## (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.

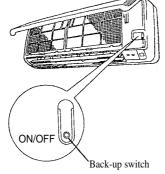
# (b) Details of operation

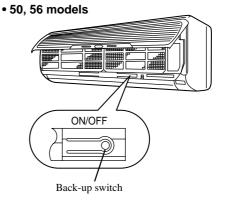
The unit will go into the automatic mode in which it automatically determines, from room temperature (as detected by sensor), whether to go into the cooling, thermal dry or heating modes.

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

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

#### 40 model





#### (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.)

Roor	n temperature	Room temp.<21°C	$21^{\circ}C \cong Room temp. < 26^{\circ}C$	26°C≦Room temp.		
Operation	Heat Pump type	Heating	Dry	Cooling		
mode	Cooling only type	D	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<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.

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

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

#### (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)		
	Under 5°C	60 mins.		
Heating	Under 10°C	30 mins.		
	Under 15°C	15 mins.		
	Over 40°C	60 mins.		
Cooling	Over 35°C	30 mins.		
	Over 30°C	15 mins.		

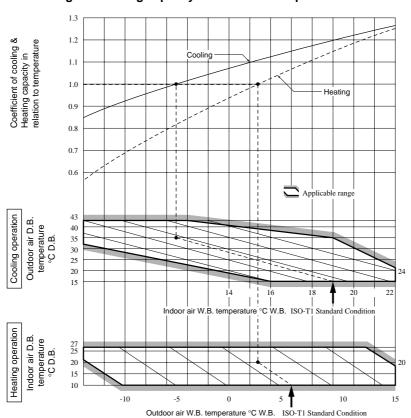
Notes (1) At 5 minutes before the set time of the turn-on timer, the operation is started regardless of the temperature of the room temperature thermister.

(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.



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

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

#### (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

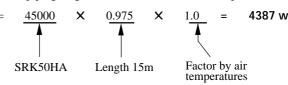
In additions to the foregoing corrections (1), (2) the heating capacity needs to be adjusted also with respect to the frosting on the outdoor heat exchanger.

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  $35^{\circ}$ C is Net cooling capacity =



## 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

 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
  - 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.

#### To cover the connecting portion with insulation materials, cut upper portion and Vinyl tape then seal it with insulation materials. Insulation Cover the exterior portion with covering tape and shape the piping Refrigerant piping so it will match the contours of the Electrical wiring ď route that the piping to take. Also Covering tape fix the wiring and pipings to the Drain hose wall with clamps. Tapping screw

(220/240V)

# 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 pulgging 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	

Item	Model	SRK408HENF-L3
High pressure MPa(kgf/cm <sup>2</sup> )	Cooling	-
	Heating	1.76 ~ 1.96 (18 ~ 20)
Low pressure MPa(kgf/cm <sup>2</sup> )	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

#### Heat pump type (a)

air and discharge air (°C)

Running current (A)

Item

(220/240V) Model SRK208HENF-L SRK288HENF-L SRK328HENF-L SRK408HENF-L Cooling \_ \_ \_ \_ High pressure (kgf/cm<sup>2</sup>G) Heating 15~17  $17 \sim 19$ 17~19  $18 \sim 20$ 4.5 ~ 5.5 Cooling  $4 \sim 5$ 4.5 ~ 5.5  $4 \sim 5$ Low pressure (kgf/cm<sup>2</sup>G) Heating \_ \_ \_ \_ Cooling 14~16 11~15 12~16 12~16 Temp. difference between suction

 $18 \sim 22$ 

4.5/4.6

4.0/4.1

 $18 \sim 22$ 

6.9/6.9

6.1/6.1

(220V/240V)

 $18 \sim 22$ 

6.4/6.4

6.5/6.5

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

Heating

Cooling

Heating

 $16 \sim 18$ 

3.4/3.6

3.0/3.4

# (b) Cooling only type

(220/240V)

Item Model	SRK208CENF-L	SRK258CENF-L	SRK288CENF-L	SRK328CENF-L	SRK408HENF-L
High pressure (kgf/cm <sup>2</sup> G)	-	-	-	-	_
Low pressure (kgf/cm <sup>2</sup> 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 <sup>2</sup> )	Cooling	-	-
	Heating	1.86 ~ 2.06 (19~21)	1.86 ~ 2.06 (19~21)
Low pressure MPa(kgf/cm <sup>2</sup> )	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 <sup>2</sup> )	-	-
Low pressure MPa(kgf/cm <sup>2</sup> )	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.

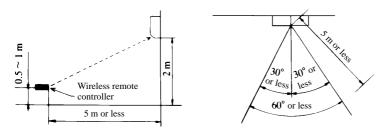
Ambient air temperature

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:

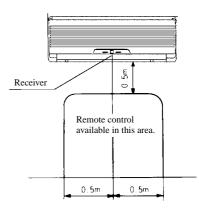
(a) When operating facing the air-conditioner:



(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.

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.



(220/240V)

(220/240V)

ltem	Model	SRK501HENF-L	SRK561HENF-L
High pressure MPa(kgf/cm <sup>2</sup> )	Cooling	_	-
	Heating	1.67~1.86 (17 ~ 19)	1.76 ~ 1.96 (18 ~ 20)
Low pressure MPa(kgf/cm <sup>2</sup> )	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
Dunning ourrent (A)	Cooling	8.4/8.2	10.2/9.53
Running current (A)	Heating	8.5/8.3	10.5/9.95

## (b) Cooling only type

Item Model	SRK501CENF-L	SRK561CENF-L
High pressure MPa(kgf/cm <sup>2</sup> )	-	-
Low pressure MPa(kgf/cm <sup>2</sup> )	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

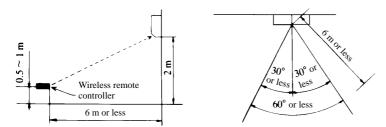
Note (1) The data are measured at following conditions. Ambient air temperature

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

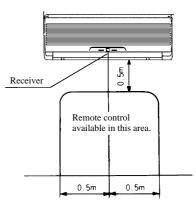
(1) Wireless remote controller covers the following distances:

(a) When operating facing the air-conditioner:



(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.

- 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.

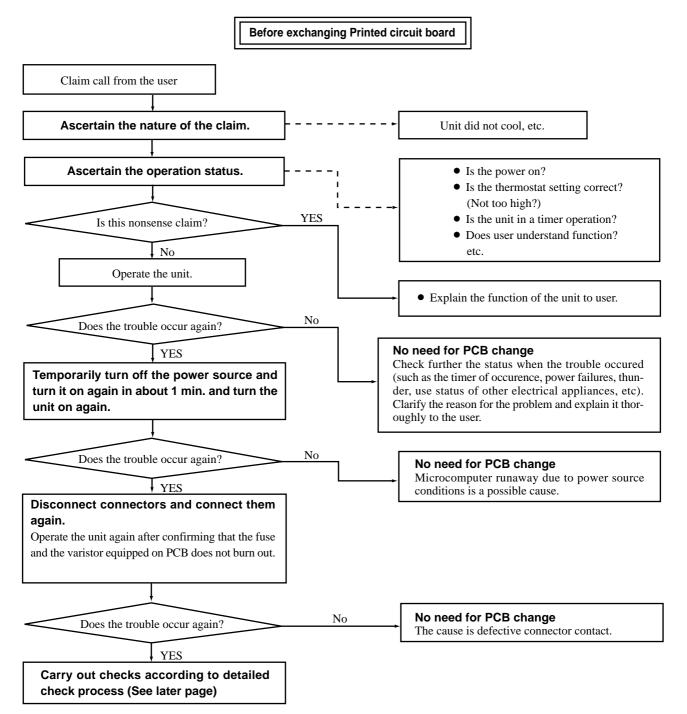


# 1.6 MAINTENANCE DATA

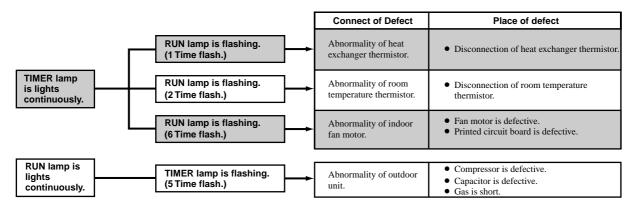
# 1.6.1 Trouble shooting

# (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.

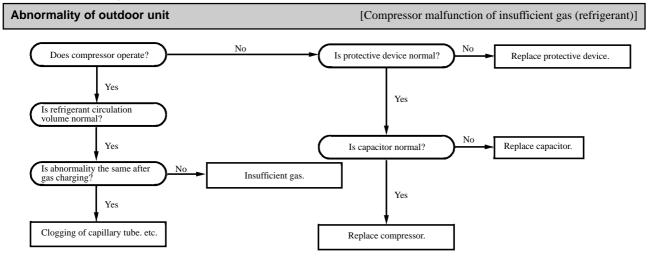


#### (2) Indication of Self Diagnosis (Indoor unit)

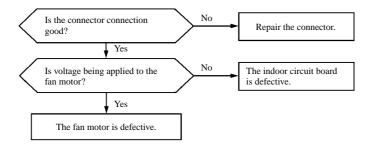


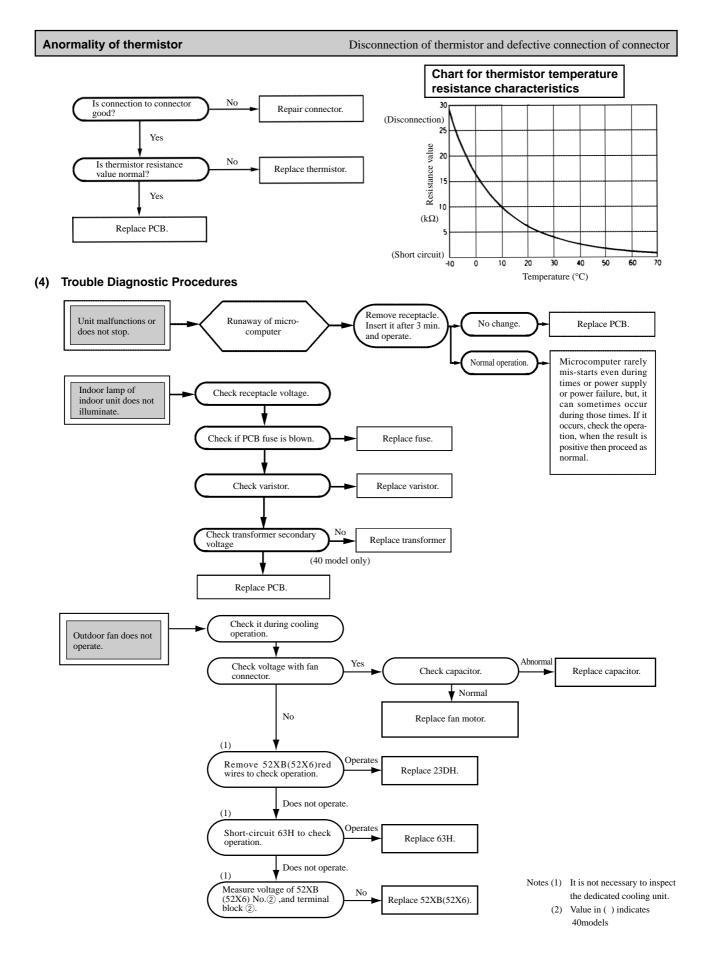
Note (1) When an abnormality is indicated on the outdoor unit for the cooling only model, check the fuse on the outdoor unit. If the fuse is burnt out, replace it with new one.

#### (3) Troubleshooting









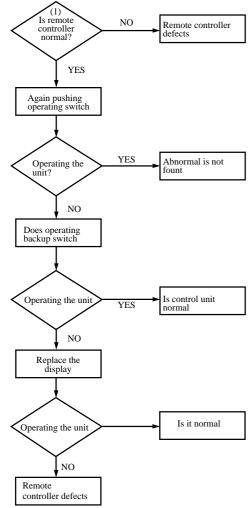
Unit Thermistor	Thermister	Onentit	Function		
	Operation	Short circuit	Broken connection		
init	Room temperature thermistor <sup>(1)</sup> (Th1) except for "continuous" thermal setting.	Cooling	Continuous Cooling operation • Cannot be turned ON/OFF by thermostat • When FM1 is on. "AUTO" is continuously Hi	Cooling will not operate • FMI : continuous operation • CM,FM <sub>0</sub> : stopped	
		Heating	Heating will not operate (CM, FMo, FMi all stopped)	Continuous heating operation. • Cannot be turned ON/OFF by thermostat • When FMt is on. "AUTO" is continuously Hi	
Indoor unit		Cooling	Cooling will not operate.	Cooling will operate • Heat exchanger frost preventer begins to operate • Cools alternately for 10 minutes, stopping for 3 minutes.	
Heat exchanger thermistor (Th2)	Heating	Heating will not operate • Heating overload protect begins to operate • When FM is on, "AUTO" is continuously Hi • CM, FMo are stopped	<ul> <li>Heating will not operate normally</li> <li>CM, FMo are ON</li> <li>FMr is OFF</li> <li>Hot keep lamp illuminated</li> </ul>		
or unit	Cooling Defrost thermostat (23DH) Heating	Cooling	Cooling will not operate (blown breaker) • CM, FMI are ON • FM <sub>0</sub> is OFF	No effect	
Outdoor unit		Heating will not operate normally (The defrosting will operate normally, but 23DH reset is not possible. De frosts for 10 minutes)	<ul> <li>Heating will operate.</li> <li>Unable to defros<sup>(2)</sup></li> <li>Will not operate for very long when outside air temperature is low</li> </ul>		

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

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 machanism resets to heating, and defrosting will not operate.

#### (6) How to make sure of remote controller

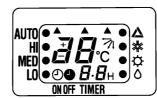


Note (1) How to check the remote controller

#### ♦40 model

- (a) Press the reset switch of remote controller.
- (b) If the salmost normal if entire display of remote control-

ler is shown after **[** indication.



♦50,56 models

- (a) Press the reset switch of remote controller.
- (b) If the salmost normal if entire display of remote controller is shown after **D** indication.



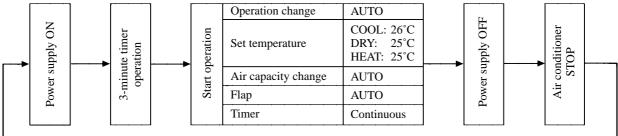
# 1.6.3 Power supply remote operation

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.

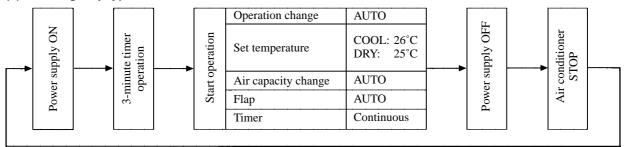
After the power supply remote operation, the operation contents can be modified by the remote controller.

# (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.

