

# MHI

**TECHNICAL MANUAL  
& PARTS LIST**

**DRAFT**

## **INVERTER MULTI-SPLIT SYSTEM ROOM AIR-CONDITIONER (Air to air heat pump type)**

(Outdoor unit)

**SCM45ZD-S**

**SCM60ZD-S**

**SCM80ZD-S**

(Indoor unit)

**SKM22ZD-S**

**SKM25ZD-S**

**SKM28ZD-S**

**SKM35ZD-S**

**SKM50ZD-S**

**STM25ZE-S**

**STM35ZE-S**

**STM50ZE-S**

**STM60ZE-S**

**SRRM25ZE-S**

**SRRM35ZE-S**

**SRRM50ZE-S**

**SRRM60ZE-S**

## **INDOOR UNIT**

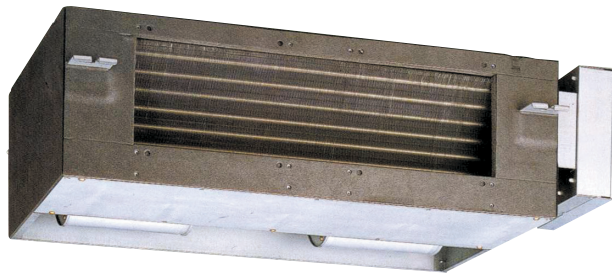
**Models SKM22ZD-S, SKM25ZD-S, SKM28ZD-S, SKM35ZD-S,  
SKM50ZD-S**



**Models STM25ZE-S, STM35ZE-S, STM50ZE-S, STM60ZE-S**

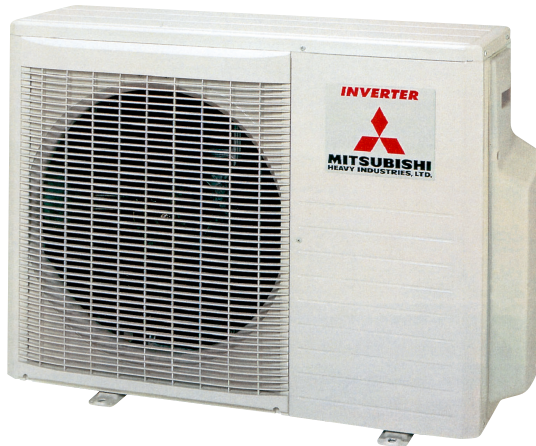


**Models SRRM25ZE-S, SRRM35ZE-S, SRRM50ZE-S, SRRM60ZE-S**



## OUTDOOR UNIT

Models SCM45ZD-S, SCM60ZD-S



## REMOTE CONTROLLER



Model SCM80ZD-S



# 1 GENERAL INFORMATION

## 1.1 Specific features

**(1) The long piping makes the location of the inside and units flexible.**

- No need for additional charge of refrigerant : 45 type · 20m, 60 type · 30m, 80 type · 40m
- Maximum piping length : 45 type · 30m, 60 type · 40m, 80 type · 60m

**(2) Connectable indoor capacity**

Number of connectable units : 45 type · 2 units, 60 type · 3 units, 80 type · 4 units

Total of indoor units (class kW) : 45 type · 7.0kw, 60 type · 10.6kw, 80 type · 13.4kw

**(3) Indoor units are available with 5 capacities.**

5 capacities ..... 22, 25, 28, 35, 50, 60

Types ..... Wall mounted type (SKM).  
4-way ceiling cassette type (STM).  
Ducted type (SRRM).

**(4) Inverter (Frequency converter) for multi-steps power control**

- Heating / Cooling

The rotational speed of a compressor is changed in step in relation to varying load, to interlock with the indoor and outdoor unit fans controlled to changes in frequency, thus controlling the power.

- Allowing quick heating/cooling operation during start-up period. Constant room temperature by fine-tuned control after the unit has stabilized.

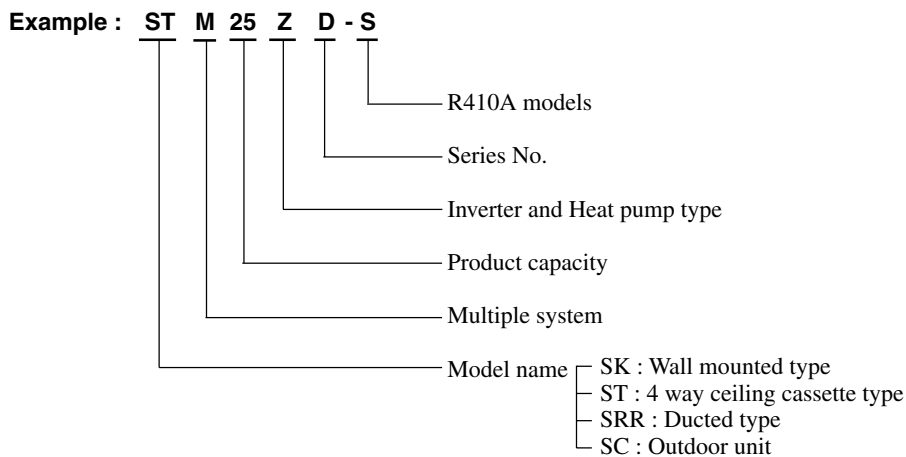
**(5) Fuzzy control**

Fuzzy control calculates the amount of variation in the difference between the suction air temperature and the setting temperature in compliance with the fuzzy rules in order to control the air capacity and the inverter frequency.

**(6) 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.

## 1.2 How to read the model name



## 2 SELECTION DATA

### 2.1 Specifications

#### (1) Indoor unit

Models SKM22ZD-S, 25ZD-S, 28ZD-S, 35ZD-S

Item		Models		SKM22ZD-S	SKM25ZD-S	SKM28ZD-S	SKM35ZD-S
		W					
Cooling capacity		W		2200	2500	2800	3500
Heating capacity		W		3200	3400	4000	4500
Noise level	Cooling	Sound level	dB	Hi : 37 Me : 30 Lo : 23		Hi : 38 Me : 31 Lo : 24	Hi : 39 Me : 32 Lo : 25
		Power level		Hi : 53		Hi : 54	Hi : 55
	Heating	Sound level		Hi : 39 Me : 33 Lo : 27		Hi : 40 Me : 34 Lo : 28	Hi : 41 Me : 35 Lo : 29
		Power level		Hi : 55		Hi : 56	Hi : 57
Exterior dimensions Height × Width × Depth		mm		250 × 815 × 249			
Color				Cool white			
Net weight		kg		9.0			
Air handling equipment Fan type & Q'ty				Tangential fan × 1			
Motor		W		16			
Air flow (at high)	Cooling	CMM		8.0	8.2	8.4	
	Heating			8.7	9.0	9.2	
Air filter, Q'ty				Polypropylene net × 2 (Washable)			
Operation switch				Wireless-Remote controller			
Room temperature control				M.C thermostat			
Pilot lamp				RUN (Green), TIMER (Yellow), HI POWER (Green), ECONO (Orange)			
Safety equipment				Frost protection, Serial error protection Fan motor error protection			
Refrigerant piping	O.D	Liquid line	mm (in)	φ 6.35 (1/4")			
		Gas line		φ 9.52 (3/8")			
	Connecting method			Flare connecting			
	Attached length of piping			Liquid line : 0.4m Gas line : 0.33m			
Insulation			Necessary (Both Liquid & Gas lines)				
Drain hose				Connectable			
Accessories (including)				Mounting kit, Clean filter (Natural enzyme filter × 1, Photocatalytic washable deodorizing filter × 1)			
Optional parts				—			
Outdoor units to be combined				SCM45ZD-S, SCM60ZD-S, SCM80ZD-S			

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

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

(2) Capacity indicated is the rated capacity with one unit operating under ISO-T1 standards conditions.

### Model SKM50ZD-S

Item		Models		SKM50ZD-S	
Cooling capacity			W	5000	
Heating capacity			W	5800	
Noise level	Cooling	Sound level	dB	Hi : 47 Me : 36 Lo : 23	
		Power level		Hi : 62	
	Heating	Sound level		Hi : 48 Me : 37 Lo : 27	
		Power level		Hi : 63	
Exterior dimensions Height × Width × Depth			mm	250 × 815 × 249	
Color				Cool white	
Net weight			kg	9.5	
Air handling equipment Fan type & Q'ty				Tangential fan × 1	
Motor			W	29	
Air flow (at high)	Cooling		CMM	11	
	Heating			13.9	
Air filter, Q'ty				Polypropylene net × 2 (Washable)	
Operation switch				Wireless-Remote controller	
Room temperature control				M.C thermostat	
Pilot lamp				RUN (Green), TIMER (Yellow), HI POWER (Green), ECONO (Orange)	
Safety equipment				Frost protection, Serial error protection Fan motor error protection	
Refrigerant piping	O.D.	Liquid line	mm (in)	φ 6.35 (1/4")	
		Gas line		φ 12.7 (1/2")	
	Connecting method			Flare connecting	
	Attached length of piping			Liquid line : 0.4m Gas line : 0.33m	
Insulation			Necessary (Both Liquid & Gas lines)		
Drain hose				Connectable	
Accessories (including)				Mounting kit, Clean filter (Natural enzyme filter × 1, Photocatalytic washable deodorizing filter × 1)	
Optional parts				—	
Outdoor units to be combined				SCM60ZD-S, SCM80ZD-S	

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

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

(2) Capacity indicated is the rated capacity with one unit operating under ISO-T1 standards conditions.

**Models STM25ZE-S, 35ZE-S, 50ZE-S, 60ZE-S**

Item		Models		STM25ZE-S	STM35ZE-S	STM50ZE-S	STM60ZE-S
		W					
Cooling capacity		W		2500	3500	5000	6000
Heating capacity		W		3400	4500	5800	6800
Noise level	Cooling	Sound level	dB	35	38	40	47
		Power level					
	Heating	Sound level		35	38	40	47
		Power level					
Exterior dimensions		Main unit	mm	248 × 570 × 570			
Height × Width × Depth		Panel		35 × 700 × 700			
Color				—			
Net weight	Main unit	kg		14		14.5	
	Panel			3.5			
Air handling equipment				Turbo fan × 1			
Fan type & Q'ty							
Motor		W					
Air flow (at high)	Cooling	CMM		7.7	8.5	9.4	13.0
	Heating			9.5	10.0	11.0	14.0
Air filter, Q'ty				Long life filter × 1 (Washable)			
Operation switch				Wireless-Remote controller			
Room temperature control				M.C thermostat			
Pilot lamp				RUN (Green), TIMER (Yellow), HI POWER (Green), ECONO (Orange)			
Safety equipment				Frost protection, Serial error protection Fan motor error protection, Drain error protection			
Refrigerant piping	O.D	Liquid line	mm (in)	φ 6.35 (1/4")			
		Gas line		φ 9.52 (3/8")		φ 12.7 (1/2")	
	Connecting method			Flare connecting			
	Attached length of piping			—			
Insulation				Necessary (Both Liquid & Gas lines)			
Drain hose				Connectable			
Accessories (including)				Mounting kit			
Optional parts				Wired remote controller			
Outdoor units to be combined				SCM45ZD-S, SCM60ZD-S, SCM80ZD-S		SCM60ZD-S, SCM80ZD-S	

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

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

(2) Capacity indicated is the rated capacity with one unit operating under ISO-T1 standards conditions.

**Models SRRM25ZE-S, 35ZE-S, 50ZE-S, 60ZE-S**

Item		Models		SRRM25ZE-S	SRRM35ZE-S	SRRM50ZE-S	SRRM60ZE-S
		W					
Cooling capacity		W		2500	3500	5000	6000
Heating capacity		W		3400	4500	5800	6800
Noise level	Cooling	Sound level	dB	38	40	46	49
		Power level					
	Heating	Sound level		39	41	46	49
		Power level					
Exterior dimensions Height × Width × Depth		mm		230 × 740 × 455			
Color				—			
Net weight		kg		22.0		23.0	
Air handling equipment Fan type & Q'ty				Centrifugal fan × 2			
Motor		W					
Air flow (at high)	Cooling	CMM		7.6	7.8	9.6	11.4
	Heating			9.9	10.7	13.2	15.2
Air filter, Q'ty				PVC net × 1			
Operation switch				Wireless-Remote controller			
Room temperature control				M.C thermostat			
Pilot lamp				RUN (Green), TIMER (Yellow), HI POWER (Green), ECONO (Orange)			
Safety equipment				Frost protection, Serial error protection Fan motor error protection, Drain error protection			
Refrigerant piping	O.D	Liquid line	mm (in)	φ 6.35 (1/4")			
		Gas line		φ 9.52 (3/8")		φ 12.7 (1/2")	
	Connecting method			Flare connecting			
	Attached length of piping			—			
Insulation			Necessary (Both Liquid & Gas lines)				
Drain hose				Connectable			
Accessories (including)				Mounting kit			
Optional parts				Wired remote controller			
Outdoor units to be combined				SCM45ZD-S, SCM60ZD-S, SCM80ZD-S		SCM60ZD-S, SCM80ZD-S	

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

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

(2) Capacity indicated is the rated capacity with one unit operating under ISO-T1 standards conditions.



## (2) Outdoor unit

### Model SCM45ZD-S

Item		Model	SCM45ZD-S
Cooling capacity		W	4500 (700 ~ 5600)
Heating capacity		W	5600 (700 ~ 6800)
Power source			1 Phase 220/230/240V 50Hz
Power consumption	Cooling	W	1390 (200 ~ 2160)
	Heating		1540 (200 ~ 2340)
Running current	Cooling	A	6.4/6.1/5.9
	Heating		7.1/6.8/6.5
Noise level	Sound level	dB	Cooling : 45/45/47 Heating : 47/47/49
	Power level		Cooling : 60/60/62 Heating : 62/62/64
Exterior dimensions Height × Width × Depth		mm	640 × 850 × 290
Color			Stucco white
Net weight		kg	44
Refrigerant equipment Compressor type & Q'ty			5CS102XFD [Scroll] × 1
Motor		kW	0.7
Starting method			Direct start
Refrigerant control			Capillary tubes + Electric expansion valve
Refrigerant		kg	R410A 1.6 (Pre-charged up to the piping length of 20m)
Refrigerant oil		ℓ	0.48 (RB68A)
Air handling equipment Fan type & Q'ty			Propeller fan × 1
Motor		W	35
Air flow (at high)		CMM	40
Shock & vibration absorber			Rubber (for compressor)
Safety equipment			Compressor overheat protection, Overcurrent protection Serial signal error protection
Refrigerant piping	Size × Core × Number	mm (in)	Liquid line: φ 6.35 (1/4") × 2
			Gas line: φ 9.52 (3/8") × 2
	Connecting method	Flare connecting	
	Attached length piping	—	
Insulation			Necessary (Both Liquid & Gas lines)
Power source supply			Terminal block (Screw fixing type)
Conne- ction wiring	Size × Core number		1.5 mm <sup>2</sup> × 4 cores (Including earth cable) × 2
	Connecting method		Terminal block (Screw fixing type)
Accessories (included)			Installation sheet, Manual instruction
Indoor units to be combined			SKM22, 25, 28, 35 type, STM25, 35 type, SRRM25, 35 type

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

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

(2) The values for capacity and power consumption shown in a range ( ) indicate the minimum and maximum of the range.

(3) If the piping length exceeds 20 m, additional charging is required. (20g/m)

## Model SCM60ZD-S

Item		Model	SCM60ZD-S
Cooling capacity		W	6000 (1400~6900)
Heating capacity		W	7000 (750~7200)
Power source			1 Phase 220/230/240V 50Hz
Power consumption	Cooling	W	1860 (400~3000)
	Heating		1740 (320~2700)
Running current	Cooling	A	8.5/8.2/7.8
	Heating		8.0/7.6/7.3
Noise level	Sound level	dB	Cooling : 48/48/50 Heating : 50/50/52
	Power level		Cooling : 63/63/65 Heating : 65/65/67
Exterior dimensions Height × Width × Depth		mm	640 × 850 × 290
Color			Stucco white
Net weight		kg	51
Refrigerant equipment Compressor type & Q'ty			TNB220FLBM1 [Twin rotary type] × 1
Motor		kW	1.3
Starting method			Direct start
Refrigerant control			Capillary tubes + Electronic expansion valve
Refrigerant		kg	R410A 2.2 (Pre-charged up to the piping length of 30m)
Refrigerant oil		ℓ	0.67 (MEL56)
Air handling equipment Fan type & Q'ty			Propeller fan × 1
Motor		W	45
Air flow (at high)		CMM	42
Shock & vibration absorber			Rubber (for compressor)
Safety equipment			Compressor overheat protection, Overcurrent protection Serial signal error protection
Refrigerant piping	Size × Core × Number	mm (in)	Liquid line: φ 6.35 (1/4") × 3
			Gas line: φ 9.52 (3/8") × 3
	Connecting method		Flare connecting
	Attached length piping		—
Insulation			Necessary (Both Liquid & Gas lines)
Power source supply			Terminal block (Screw fixing type)
Connection wiring	Size × Core number		1.5 mm <sup>2</sup> × 4 cores (Including earth cable) × 3
	Connecting method		Terminal block (Screw fixing type)
Accessories (included)			Union : (φ 9.52 → φ 12.7) × 2 Installation sheet, Manual instruction
Indoor units to be combined			SKM22, 25, 28, 35, 50 type STM25, 35, 50, 60 type SRRM25, 35, 50, 60 type

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

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

(2) The values for capacity and power consumption shown in a range ( ) indicate the minimum and maximum of the range.

(3) If the piping length exceeds 30 m, additional charging is required. (20g/m)

## Model SCM80ZD-S

Item		Model	SCM80ZD-S
Cooling capacity		W	8000 (1000~9300)
Heating capacity		W	9500 (850~9700)
Power source			1 Phase 220/230/240V 50Hz
Power consumption	Cooling	W	2650 (350~3200)
	Heating		2440 (300~3200)
Running current	Cooling	A	12.2/11.6/11.2
	Heating		11.2/10.7/10.3
Noise level	Sound level	dB	Cooling : 51/51/52 Heating : 52/52/53
	Power level		Cooling : 65/65/66 Heating : 66/66/67
Exterior dimensions Height × Width × Depth		mm	845 × 880 × 340
Color			Polar white
Net weight		kg	66
Refrigerant equipment Compressor type & Q'ty			TNB220FLBM1 [Twin rotary type] × 1
Motor		kW	1.3
Starting method			Direct start
Refrigerant control			Capillary tubes + Electronic expansion valve
Refrigerant		kg	R410A 3.05 (Pre-charged up to the piping length of 40m)
Refrigerant oil		ℓ	0.67 (MEL56)
Air handling equipment Fan type & Q'ty			Propeller fan × 1
Motor		W	55
Air flow (at high)		CMM	56
Shock & vibration absorber			Rubber (for compressor)
Safety equipment			Compressor overheat protection, Overcurrent protection Serial signal error protection
Refrigerant piping	Size × Core × Number	mm (in)	Liquid line: φ 6.35 (1/4") × 4 Gas line: φ 9.52 (3/8") × 4
	Connecting method		Flare connecting
	Attached length piping		—
	Insulation		Necessary (Both Liquid & Gas lines)
Power source supply			Terminal block (Screw fixing type)
Connection wiring	Size × Core number		1.5 mm <sup>2</sup> × 4 cores (Including earth cable) × 4
	Connecting method		Terminal block (Screw fixing type)
Accessories (included)			Union : (φ 9.52 → φ 12.7) × 2 Installation sheet, Manual instruction
Indoor units to be combined			SKM22, 25, 28, 35, 50 type STM25, 35, 50, 60 type SRRM25, 35, 50, 60 type

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

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

(2) The values for capacity and power consumption shown in a range ( ) indicate the minimum and maximum of the range.

(3) If the piping length exceeds 40 m, additional charging is required. (20g/m)

**(3) Operation data**

- The combinations of the indoor units is indicated by numbers. They are read as follows.  
(Example) SKM22ZD-S → 22 SKM35ZD-S → 35
- The capacity of the indoor units is shown by rooms. If this exceeds the maximum capacity of the outdoor unit, the demand capacity will be proportionally distributed.
- If units are to be combined, use the table below to make the proper selection.

**Model SCM45ZD-S**

**(a) Heating**

**(220/230/240V)**

Indoor unit combination		Heating capacity (kW)					Power consumption (W)			Running current (A)
		Room heating capacity (kW)		Total capacity (kW)			Min.	Standard	Max.	Standard
		A room	B room	Min.	Standard	Max.				
1 room	22	3.2		0.7	3.2	3.9	200	1120	1380	5.1/4.9/4.7
	25	3.4		0.7	3.4	4.1	200	1190	1450	5.5/5.2/5.0
	28	4.0		0.7	4.0	4.3	200	1400	1520	6.4/6.1/5.9
	35	4.5		0.7	4.5	4.7	200	1590	1660	7.3/7.0/6.7
2 room	22+22	2.65	2.65	1.5	5.3	7.4	450	1430	2540	6.6/6.3/6.0
	22+25	2.5	2.9	1.5	5.4	7.4	450	1460	2540	6.7/6.4/6.1
	22+28	2.4	3.1	1.5	5.5	7.4	450	1490	2540	6.8/6.5/6.3
	22+35	2.2	3.4	1.5	5.6	7.4	450	1540	2540	7.1/6.8/6.5
	25+25	2.75	2.75	1.5	5.5	7.4	450	1490	2540	6.8/6.5/6.3
	25+28	2.6	2.9	1.5	5.5	7.4	450	1490	2540	6.8/6.5/6.3
	25+35	2.4	3.3	1.5	5.7	7.4	450	1570	2540	7.2/6.9/6.6
	28+28	2.8	2.8	1.5	5.6	7.4	450	1540	2540	7.1/6.8/6.5
	28+35	2.6	3.2	1.5	5.8	7.4	450	1600	2540	7.3/7.0/6.7
35+35	2.95	2.95	1.5	5.9	7.4	450	1630	2540	7.5/7.2/6.9	

**(b) Cooling****(220/230/240V)**

Indoor unit combination		Cooling capacity (kW)					Power consumption (W)			Running current (A)
		Room cooling capacity (kW)		Total capacity (kW)			Min.	Standard	Max.	Standard
		A room	B room	Min.	Standard	Max.				
1 room	22	2.2		0.7	2.2	2.6	200	680	810	3.1/3.0/2.9
	25	2.5		0.7	2.5	2.7	200	760	840	3.5/3.3/3.2
	28	2.8		0.7	2.8	3.0	200	880	950	4.0/3.9/3.7
	35	3.5		0.7	3.5	3.6	200	1200	1250	5.5/5.3/5.1
2 room	22+22	2.15	2.15	1.4	4.3	5.0	420	1330	1780	6.1/5.8/5.6
	22+25	2.0	2.3	1.4	4.3	5.1	420	1330	1800	6.1/5.8/5.6
	22+28	1.9	2.6	1.4	4.4	5.2	420	1360	1820	6.2/6.0/5.7
	22+35	1.7	2.8	1.4	4.5	5.6	420	1390	2160	6.4/6.1/5.9
	25+25	2.2	2.2	1.4	4.4	5.2	420	1360	1820	6.2/6.0/5.7
	25+28	2.1	2.3	1.4	4.4	5.3	420	1360	1850	6.2/6.0/5.7
	25+35	1.9	2.6	1.4	4.5	5.6	420	1390	2160	6.4/6.1/5.9
	28+28	2.25	2.25	1.4	4.5	5.5	420	1390	2120	6.4/6.1/5.9
	28+35	2.0	2.6	1.4	4.6	5.6	420	1430	2160	6.6/6.3/6.0
35+35	2.3	2.3	1.4	4.6	5.6	420	1430	2160	6.6/6.3/6.0	

Model SCM60ZD-S

(a) Heating

Indoor unit combination		Heating capacity (kW)						Power consumption (W)			Standard current (A)			
		Room heating capacity (kW)			Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V	
		A room	B room	C room	Min.	Standard	Max.							
1 room	22	3.2	—	—	0.75	3.2	3.4	320	1100	1200	5.1	4.8	4.6	
	25	3.4	—	—	0.75	3.4	3.6	320	1200	1300	5.5	5.3	5.1	
	28	4.0	—	—	0.75	4.0	4.2	320	1450	1550	6.7	6.4	6.1	
	35	4.5	—	—	0.75	4.5	4.6	320	1750	1800	8.0	7.7	7.4	
	50	5.8	—	—	0.75	5.8	6.2	320	2100	2400	9.6	9.2	8.8	
	60	6.8	—	—		6.8								
2 room	22+22	2.55	2.55	—	1.1	5.1	6.5	330	1450	2350	6.7	6.4	6.1	
	22+25	2.48	2.82	—	1.1	5.3	6.5	330	1500	2350	6.9	6.6	6.3	
	22+28	2.55	3.25	—	1.1	5.8	6.5	330	1700	2400	7.8	7.5	7.2	
	22+35	2.35	3.75	—	1.1	6.1	6.6	330	1900	2500	8.7	8.3	8.0	
	22+50	2.02	4.58	—	1.2	6.6	6.8	360	2150	2700	9.9	9.4	9.0	
	22+60													
	25+25	2.75	2.75	—	1.1	5.5	6.5	330	1600	2350	7.3	7.0	6.7	
	25+28	2.78	3.12	—	1.1	5.9	6.5	330	1800	2400	8.3	7.9	7.6	
	25+35	2.63	3.68	—	1.1	6.3	6.6	330	2000	2500	9.2	8.8	8.4	
	25+50	2.23	4.47	—	1.2	6.7	6.8	360	2250	2700	10.3	9.9	9.5	
	25+60													
	28+28	3.20	3.20	—	1.1	6.4	6.6	330	2050	2450	9.4	9.0	8.6	
	28+35	2.98	3.72	—	1.1	6.7	6.7	330	2200	2550	10.1	9.7	9.3	
	28+50	2.41	4.29	—	1.2	6.7	6.8	360	2400	2700	11.0	10.5	10.1	
	28+60													
	35+35	3.35	3.35	—	1.1	6.7	6.7	330	2350	2600	10.8	10.3	9.9	
	35+50	2.76	3.94	—	1.2	6.7	6.8	360	2550	2700	11.7	11.2	10.7	
	35+60													
50+50	3.35	3.35	—	1.5	6.7	6.8	420	2600	2700	11.9	11.4	10.9		
3 room	22+22+22	2.23	2.23	2.23	1.7	6.7	7.2	440	1650	2700	7.6	7.2	6.9	
	22+22+25	2.20	2.20	2.50	1.7	6.9	7.2	440	1750	2700	8.0	7.7	7.4	
	22+22+28	2.14	2.14	2.72	1.7	7.0	7.2	440	1800	2700	8.3	7.9	7.6	
	22+22+35	1.95	1.95	3.10	1.7	7.0	7.2	440	1850	2700	8.5	8.1	7.8	
	22+22+50	1.64	1.64	3.72	1.9	7.0	7.2	500	1740	2700	8.0	7.6	7.3	
	22+22+60													
	22+25+25	2.14	2.43	2.43	1.7	7.0	7.2	440	1750	2700	8.0	7.7	7.4	
	22+25+28	2.05	2.33	2.61	1.7	7.0	7.2	440	1850	2700	8.5	8.1	7.8	
	22+25+35	1.88	2.13	2.99	1.7	7.0	7.2	440	1950	2700	9.0	8.6	8.2	
	22+25+50	1.61	1.83	3.66	1.9	7.1	7.2	500	2100	2700	9.6	9.2	8.8	
	22+28+28	1.97	2.51	2.51	1.7	7.0	7.2	440	1950	2700	9.0	8.6	8.2	
	22+28+35	1.84	2.34	2.92	1.7	7.1	7.2	440	2050	2700	9.4	9.0	8.6	
	22+28+50	1.56	1.99	3.55	1.9	7.1	7.2	500	2200	2700	10.1	9.7	9.3	
	22+35+35	1.70	2.70	2.70	1.7	7.1	7.2	440	2150	2700	9.9	9.4	9.0	
	25+25+25	2.33	2.33	2.33	1.7	7.0	7.2	440	1800	2700	8.3	7.9	7.6	
	25+25+28	2.24	2.24	2.51	1.7	7.0	7.2	440	1900	2700	8.7	8.3	8.0	
	25+25+35	2.06	2.06	2.88	1.7	7.0	7.2	440	2000	2700	9.2	8.8	8.4	
	25+25+50	1.78	1.78	3.55	1.9	7.1	7.2	500	2150	2700	9.9	9.4	9.0	
	25+28+28	2.19	2.45	2.45	1.7	7.1	7.2	440	2000	2700	9.2	8.8	8.4	
	25+28+35	2.02	2.26	2.82	1.7	7.1	7.2	440	2100	2700	9.6	9.2	8.8	
	25+28+50	1.72	1.93	3.45	1.9	7.1	7.2	500	2250	2700	10.3	9.9	9.5	
	25+35+35	1.87	2.62	2.62	1.7	7.1	7.2	440	2200	2700	10.1	9.7	9.3	
	28+28+28	2.37	2.37	2.37	1.7	7.1	7.2	440	2150	2700	9.9	9.4	9.0	
	28+28+35	2.18	2.18	2.73	1.7	7.1	7.2	440	2200	2700	10.1	9.7	9.3	
28+28+50	1.88	1.88	3.35	1.9	7.1	7.2	500	2350	2700	10.8	10.3	9.9		
28+35+35	2.03	2.54	2.54	1.7	7.1	7.2	440	2300	2700	10.6	10.1	9.7		
35+35+35	2.37	2.37	2.37	1.7	7.1	7.2	440	2400	2700	11.0	10.5	10.1		

**(b) Cooling**

Indoor unit combination		Cooling capacity (kW)						Power consumption (W)			Standard current (A)		
		Room cooling capacity (kW)			Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A room	B room	C room	Min.	Standard	Max.						
1 room	22	2.2	—	—	1.4	2.2	2.3	400	720	750	3.3	3.2	3.0
	25	2.5	—	—	1.4	2.5	2.6	400	800	830	3.7	3.5	3.4
	28	2.8	—	—	1.4	2.8	3.0	400	950	1050	4.4	4.2	4.0
	35	3.5	—	—	1.4	3.5	3.6	400	1300	1350	6.0	5.7	5.5
	50	5.0	—	—	1.4	5.0	5.1	400	2200	2250	10.1	9.7	9.3
	60	6.0	—	—		6.0							
2 room	22+22	2.20	2.20	—	1.5	4.4	4.6	410	1450	1650	6.7	6.4	6.1
	22+25	2.20	2.50	—	1.5	4.7	4.9	410	1600	1750	7.3	7.0	6.7
	22+28	2.20	2.80	—	1.5	5.0	5.2	410	1720	1900	7.9	7.6	7.2
	22+35	2.05	3.25	—	1.5	5.3	5.4	410	2100	2150	9.6	9.2	8.8
	22+50	1.86	4.24	—	1.6	6.1	6.4	440	2550	2750	11.7	11.2	10.7
	22+60												
	25+25	2.50	2.50	—	1.5	5.0	5.2	410	1720	1900	7.9	7.6	7.2
	25+28	2.50	2.80	—	1.5	5.3	5.4	410	1850	1950	8.5	8.1	7.8
	25+35	2.42	3.38	—	1.5	5.8	5.9	410	2200	2300	10.1	9.7	9.3
	25+50	2.10	4.20	—	1.6	6.3	6.5	440	2720	2850	12.5	11.9	11.4
	25+60												
	28+28	2.80	2.80	—	1.5	5.6	5.7	410	2000	2100	9.2	8.8	8.4
	28+35	2.71	3.39	—	1.5	6.1	6.2	410	2420	2500	11.1	10.6	10.2
	28+50	2.37	4.23	—	1.6	6.6	6.6	440	2880	2880	13.2	12.6	12.1
	28+60												
35+35	3.30	3.30	—	1.5	6.6	6.6	410	2880	2880	13.2	12.6	12.1	
35+50	2.72	3.88	—	1.6	6.6	6.6	440	2880	2880	13.2	12.6	12.1	
35+60													
50+50	3.30	3.30	—	1.9	6.6	6.6	500	2880	2880	13.2	12.6	12.1	
3 room	22+22+22	1.70	1.70	1.70	1.9	5.1	6.8	620	1470	2950	6.7	6.5	6.2
	22+22+25	1.66	1.66	1.88	1.9	5.2	6.8	620	1500	2950	6.9	6.6	6.3
	22+22+28	1.59	1.59	2.02	1.9	5.2	6.9	620	1500	3000	6.9	6.6	6.3
	22+22+35	1.50	1.50	2.39	1.9	5.4	6.9	620	1600	3000	7.3	7.0	6.7
	22+22+50	1.40	1.40	3.19	2.1	6.0	6.9	680	1860	3000	8.5	8.2	7.8
	22+22+60												
	22+25+25	1.59	1.81	1.81	1.9	5.2	6.9	620	1500	3000	6.9	6.6	6.3
	22+25+28	1.55	1.77	1.98	1.9	5.3	6.9	620	1550	3000	7.1	6.8	6.5
	22+25+35	1.48	1.68	2.35	1.9	5.5	6.9	620	1620	3000	7.4	7.1	6.8
	22+25+50	1.34	1.52	3.04	2.1	5.9	6.9	680	1800	3000	8.3	7.9	7.6
	22+28+28	1.52	1.94	1.94	1.9	5.4	6.9	620	1600	3000	7.3	7.0	6.7
	22+28+35	1.45	1.84	2.31	1.9	5.6	6.9	620	1650	3000	7.6	7.2	6.9
	22+28+50	1.32	1.68	3.00	2.1	6.0	6.9	680	1860	3000	8.5	8.2	7.8
	22+35+35	1.39	2.21	2.21	1.9	5.8	6.9	620	1750	3000	8.0	7.7	7.4
	25+25+25	1.77	1.77	1.77	1.9	5.3	6.9	620	1550	3000	7.1	6.8	6.5
	25+25+28	1.73	1.73	1.94	1.9	5.4	6.9	620	1600	3000	7.3	7.0	6.7
	25+25+35	1.65	1.65	2.31	1.9	5.6	6.9	620	1650	3000	7.6	7.2	6.9
	25+25+50	1.50	1.50	3.00	2.1	6.0	6.9	680	1860	3000	8.5	8.2	7.8
	25+28+28	1.70	1.90	1.90	1.9	5.5	6.9	620	1620	3000	7.4	7.1	6.8
	25+28+35	1.62	1.81	2.27	1.9	5.7	6.9	620	1700	3000	7.8	7.5	7.2
	25+28+50	1.48	1.66	2.96	2.1	6.1	6.9	680	2000	3000	9.2	8.8	8.4
	25+35+35	1.55	2.17	2.17	1.9	5.9	6.9	620	1800	3000	8.3	7.9	7.6
	28+28+28	1.87	1.87	1.87	1.9	5.6	6.9	620	1650	3000	7.6	7.2	6.9
	28+28+35	1.78	1.78	2.23	1.9	5.8	6.9	620	1750	3000	8.0	7.7	7.4
28+28+50	1.64	1.64	2.92	2.1	6.2	6.9	680	2100	3000	9.6	9.2	8.8	
28+35+35	1.69	2.11	2.11	1.9	5.9	6.9	620	1800	3000	8.3	7.9	7.6	
35+35+35	2.07	2.07	2.07	1.9	6.2	6.9	620	2100	3000	9.6	9.2	8.8	

**Model SCM80ZD-S**

**(a) Heating**

Indoor unit combination		Heating capacity (kW)							Power consumption (W)			Standard current (A)			
		Room heating capacity (kW)				Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V	
		A room	B room	C room	D room	Min.	Standard	Max.							
1 room	22	3.2	—	—	—	0.85	3.2	3.9	300	1180	1550	5.4	5.2	5.0	
	25	3.4	—	—	—	0.85	3.4	4.1	300	1280	1650	5.9	5.6	5.4	
	28	4.0	—	—	—	0.85	4.0	4.3	300	1550	1750	7.1	6.8	6.5	
	35	4.5	—	—	—	0.85	4.5	4.8	300	1850	1950	8.5	8.1	7.8	
	50	5.8	—	—	—	0.85	5.8	7.3	300	2200	3100	10.1	9.7	9.3	
	60	6.8	—	—	—		6.8								
2 room	22+22	2.90	2.90	—	—	1.4	5.8	8.0	420	1750	3150	8.0	7.7	7.4	
	22+25	2.81	3.19	—	—	1.4	6.0	8.0	420	1850	3150	8.5	8.1	7.8	
	22+28	2.86	3.64	—	—	1.4	6.5	8.0	420	2100	3150	9.6	9.2	8.8	
	22+35	2.66	4.24	—	—	1.4	6.9	8.0	420	2300	3150	10.6	10.1	9.7	
	22+50	2.35	5.35	—	—	1.6	7.7	8.0	450	2650	3150	12.2	11.6	11.2	
	22+60			—	—										
	25+25	3.10	3.10	—	—	1.4	6.2	8.0	420	1950	3150	9.0	8.6	8.2	
	25+28	3.16	3.54	—	—	1.4	6.7	8.0	420	2200	3150	10.1	9.7	9.3	
	25+35	2.96	4.14	—	—	1.4	7.1	8.0	420	2350	3150	10.8	10.3	9.9	
	25+50	2.63	5.27	—	—	1.6	7.9	8.0	450	2750	3150	12.6	12.1	11.6	
	25+60			—	—										
	28+28	3.60	3.60	—	—	1.4	7.2	8.0	420	2400	3150	11.0	10.5	10.1	
	28+35	3.38	4.22	—	—	1.4	7.6	8.0	420	2600	3150	11.9	11.4	10.9	
	28+50	2.87	5.13	—	—	1.6	8.0	8.0	450	2950	3150	13.5	13.0	12.4	
	28+60			—	—										
	35+35	4.00	4.00	—	—	1.4	8.0	8.0	420	2800	3150	12.9	12.3	11.8	
35+50	3.29	4.71	—	—	1.6	8.0	8.0	450	3100	3150	14.2	13.6	13.0		
35+60			—	—											
50+50	4.00	4.00	—	—	1.9	8.0	8.0	520	3150	3150	14.5	13.8	13.3		
50+60			—	—											
3 room	22+22+22	2.70	2.70	2.70	—	2.4	8.1	8.8	600	2250	3200	10.3	9.9	9.5	
	22+22+25	2.61	2.61	2.97	—	2.4	8.2	8.8	600	2300	3200	10.6	10.1	9.7	
	22+22+28	2.66	2.66	3.38	—	2.4	8.7	8.8	600	2500	3200	11.5	11.0	10.5	
	22+22+35	2.45	2.45	3.90	—	2.4	8.8	8.8	600	3200	3200	14.7	14.1	13.5	
	22+22+50	2.06	2.06	4.68	—	2.6	8.8	8.8	650	3200	3200	14.7	14.1	13.5	
	22+22+60				—										
	22+25+25	2.54	2.88	2.88	—	2.4	8.3	8.8	600	2350	3200	10.8	10.3	9.9	
	22+25+28	2.58	2.93	3.29	—	2.4	8.8	8.8	600	2550	3200	11.7	11.2	10.7	
	22+25+35	2.36	2.68	3.76	—	2.4	8.8	8.8	600	2700	3200	12.4	11.9	11.4	
	22+25+50	2.00	2.27	4.54	—	2.6	8.8	8.8	650	2950	3200	13.5	13.0	12.4	
	22+25+60				—										
	22+28+28	2.48	3.16	3.16	—	2.4	8.8	8.8	600	2700	3200	12.4	11.9	11.4	
	22+28+35	2.28	2.90	3.62	—	2.4	8.8	8.8	600	2850	3200	13.1	12.5	12.0	
	22+28+50	1.94	2.46	4.40	—	2.6	8.8	8.8	650	3100	3200	14.2	13.6	13.0	
	22+28+60				—										
	22+35+35	2.10	3.35	3.35	—	2.4	8.8	8.8	600	3000	3200	13.8	13.2	12.6	
	22+35+50	1.81	2.88	4.11	—	2.6	8.8	8.8	650	3200	3200	14.7	14.1	13.5	
	22+35+60				—										
	22+50+50	1.59	3.61	3.61	—	2.8	8.8	8.8	700	3200	3200	14.7	14.1	13.5	
	22+50+60				—										
	25+25+25	2.80	2.80	2.80	—	2.4	8.4	8.8	600	2400	3200	11.0	10.5	10.1	
	25+25+28	2.82	2.82	3.16	—	2.4	8.8	8.8	600	2600	3200	11.9	11.4	10.9	
	25+25+35	2.59	2.59	3.62	—	2.4	8.8	8.8	600	2750	3200	12.6	12.1	11.6	
	25+25+50	2.20	2.20	4.40	—	2.6	8.8	8.8	650	3000	3200	13.8	13.2	12.6	
25+25+60				—											
25+28+28	2.72	3.04	3.04	—	2.4	8.8	8.8	600	2750	3200	12.6	12.1	11.6		
25+28+35	2.50	2.80	3.50	—	2.4	8.8	8.8	600	2900	3200	13.3	12.7	12.2		
25+28+50	2.14	2.39	4.27	—	2.6	8.8	8.8	650	3150	3200	14.5	13.8	13.3		
25+28+60				—											
25+35+35	2.32	3.24	3.24	—	2.4	8.8	8.8	600	3050	3200	14.0	13.4	12.8		



Indoor unit combination		Heating capacity (kW)							Power consumption (W)			Standard current (A)		
		Room heating capacity (kW)				Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A room	B room	C room	D room	Min.	Standard	Max.						
3 room	25+35+50	2.00	2.80	4.00	—	2.6	8.8	8.8	650	3200	3200	14.7	14.1	13.5
	25+35+60				—									
	25+50+50	1.76	3.52	3.52	—	2.8	8.8	8.8	700	3200	3200	14.7	14.1	13.5
	28+28+28	2.93	2.93	2.93	—	2.4	8.8	8.8	600	2050	3200	9.4	9.0	8.6
	28+28+35	2.71	2.71	3.38	—	2.4	8.8	8.8	600	2100	3200	9.6	9.2	8.8
	28+28+50	2.32	2.32	4.15	—	2.6	8.8	8.8	650	3200	3200	14.7	14.1	13.5
	28+28+60				—									
	28+35+35	2.51	3.14	3.14	—	2.4	8.8	8.8	600	3200	3200	14.7	14.1	13.5
	28+35+50	2.18	2.73	3.89	—	2.6	8.8	8.8	650	3200	3200	14.7	14.1	13.5
	28+35+60				—									
	28+50+50	1.93	3.44	3.44	—	2.8	8.8	8.8	700	3200	3200	14.7	14.1	13.5
	35+35+35	2.93	2.93	2.93	—	2.4	8.8	8.8	600	3200	3200	14.7	14.1	13.5
	35+35+50	2.57	2.57	3.67	—	2.6	8.8	8.8	650	3200	3200	14.7	14.1	13.5
35+35+60				—										
4 room	22+22+22+22	2.28	2.28	2.28	2.28	3.4	9.1	9.7	850	2300	2950	10.6	10.1	9.7
	22+22+22+25	2.25	2.25	2.25	2.55	3.4	9.3	9.7	850	2300	2950	10.6	10.1	9.7
	22+22+22+28	2.18	2.18	2.18	2.77	3.4	9.3	9.7	850	2300	2950	10.6	10.1	9.7
	22+22+22+35	2.03	2.03	2.03	3.22	3.4	9.3	9.7	850	2350	2950	10.8	10.3	9.9
	22+22+22+50	1.78	1.78	1.78	4.05	3.6	9.4	9.7	920	2350	2950	10.8	10.3	9.9
	22+22+22+60													
	22+22+25+25	2.18	2.18	2.47	2.47	3.4	9.3	9.7	850	2300	2950	10.6	10.1	9.7
	22+22+25+28	2.11	2.11	2.40	2.68	3.4	9.3	9.7	850	2300	2950	10.6	10.1	9.7
	22+22+25+35	1.97	1.97	2.24	3.13	3.4	9.3	9.7	850	2350	2950	10.8	10.3	9.9
	22+22+25+50	1.74	1.74	1.97	3.95	3.6	9.4	9.7	920	2400	2950	11.0	10.5	10.1
	22+22+25+60													
	22+22+28+28	2.05	2.05	2.60	2.60	3.4	9.3	9.7	850	2350	2950	10.8	10.3	9.9
	22+22+28+35	1.93	1.93	2.46	3.07	3.4	9.4	9.7	850	2350	2950	10.8	10.3	9.9
	22+22+28+50	1.70	1.70	2.16	3.85	3.6	9.4	9.7	920	2400	2950	11.0	10.5	10.1
	22+22+28+60													
	22+22+35+35	1.81	1.81	2.89	2.89	3.4	9.4	9.7	850	2400	2950	11.0	10.5	10.1
	22+22+35+50	1.60	1.60	2.55	3.64	3.6	9.4	9.7	920	2400	2950	11.0	10.5	10.1
	22+25+25+25	2.11	2.40	2.40	2.40	3.4	9.3	9.7	850	2300	2950	10.6	10.1	9.7
	22+25+25+28	2.05	2.33	2.33	2.60	3.4	9.3	9.7	850	2300	2950	10.6	10.1	9.7
	22+25+25+35	1.93	2.20	2.20	3.07	3.4	9.4	9.7	850	2350	2950	10.8	10.3	9.9
	22+25+25+50	1.70	1.93	1.93	3.85	3.6	9.4	9.7	920	2400	2950	11.0	10.5	10.1
	22+25+25+60													
	22+25+28+28	2.01	2.28	2.56	2.56	3.4	9.4	9.7	850	2350	2950	10.8	10.3	9.9
	22+25+28+35	1.88	2.14	2.39	2.99	3.4	9.4	9.7	850	2350	2950	10.8	10.3	9.9
	22+25+28+50	1.65	1.88	2.11	3.76	3.6	9.4	9.7	920	2400	2950	11.0	10.5	10.1
	22+25+35+35	1.77	2.01	2.81	2.81	3.4	9.4	9.7	850	2400	2950	11.0	10.5	10.1
	22+25+35+50	1.57	1.78	2.49	3.56	3.6	9.4	9.7	920	2400	2950	11.0	10.5	10.1
	22+28+28+28	1.95	2.48	2.48	2.48	3.4	9.4	9.7	850	2350	2950	10.8	10.3	9.9
	22+28+28+35	1.83	2.33	2.33	2.91	3.4	9.4	9.7	850	2400	2950	11.0	10.5	10.1
	22+28+28+50	1.62	2.06	2.06	3.67	3.6	9.4	9.7	920	2400	2950	11.0	10.5	10.1
	22+28+35+35	1.72	2.19	2.74	2.74	3.4	9.4	9.7	850	2400	2950	11.0	10.5	10.1
	22+35+35+35	1.63	2.59	2.59	2.59	3.4	9.4	9.7	850	2400	2950	11.0	10.5	10.1
	25+25+25+25	2.33	2.33	2.33	2.33	3.4	9.3	9.7	850	2300	2950	10.6	10.1	9.7
25+25+25+28	2.26	2.26	2.26	2.53	3.4	9.3	9.7	850	2350	2950	10.8	10.3	9.9	
25+25+25+35	2.14	2.14	2.14	2.99	3.4	9.4	9.7	850	2350	2950	10.8	10.3	9.9	
25+25+25+50	1.88	1.88	1.88	3.76	3.6	9.4	9.7	920	2400	2950	11.0	10.5	10.1	
25+25+28+28	2.22	2.22	2.48	2.48	3.4	9.4	9.7	850	2350	2950	10.8	10.3	9.9	
25+25+28+35	2.08	2.08	2.33	2.91	3.4	9.4	9.7	850	2400	2950	11.0	10.5	10.1	
25+25+28+50	1.84	1.84	2.06	3.67	3.6	9.4	9.7	920	2400	2950	11.0	10.5	10.1	
25+25+35+35	1.96	1.96	2.74	2.74	3.4	9.4	9.7	850	2400	2950	11.0	10.5	10.1	
28+28+28+28	2.35	2.35	2.35	2.35	3.4	9.4	9.7	850	2400	2950	11.0	10.5	10.1	
28+28+28+35	2.21	2.21	2.21	2.76	3.4	9.4	9.7	850	2400	2950	11.0	10.5	10.1	
28+28+28+50	1.99	1.99	1.99	3.54	3.6	9.5	9.7	920	2440	2950	11.2	10.7	10.3	
28+28+35+35	2.09	2.09	2.61	2.61	3.4	9.4	9.7	850	2400	2950	11.0	10.5	10.1	
28+35+35+35	2.00	2.50	2.50	2.50	3.4	9.5	9.7	850	2450	2950	11.2	10.8	10.3	

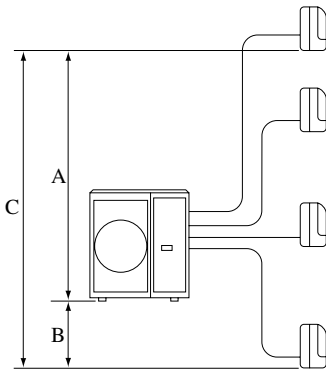
(b) Cooling

Indoor unit combination		Cooling capacity (kW)							Power consumption (W)			Standard current (A)		
		Room cooling capacity (kW)				Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A room	B room	C room	D room	Min.	Standard	Max.						
1 room	22	2.2	—	—	—	1.0	2.2	2.6	350	700	850	3.2	3.1	2.9
	25	2.5	—	—	—	1.0	2.5	2.8	350	830	950	3.8	3.6	3.5
	28	2.8	—	—	—	1.0	2.8	3.2	350	950	1100	4.4	4.2	4.0
	35	3.5	—	—	—	1.0	3.5	3.8	350	1200	1350	5.5	5.3	5.1
	50	5.0	—	—	—	1.0	5.0	5.3	350	1950	2100	9.0	8.6	8.2
	60	6.0	—	—	—		6.0							
2 room	22+22	2.20	2.20	—	—	1.4	4.4	5.5	550	1700	2100	7.8	7.5	7.2
	22+25	2.20	2.50	—	—	1.4	4.7	5.7	550	1800	2200	8.3	7.9	7.6
	22+28	2.20	2.80	—	—	1.4	5.0	6.1	550	1920	2350	8.8	8.4	8.1
	22+35	2.20	3.50	—	—	1.4	5.7	6.8	550	2200	2650	10.1	9.7	9.3
	22+50	2.20	5.00	—	—	1.6	7.2	7.9	600	2750	3080	12.6	12.1	11.6
	22+60			—	—									
	25+25	2.50	2.50	—	—	1.4	5.0	5.8	550	1920	2210	8.8	8.4	8.1
	25+28	2.50	2.80	—	—	1.4	5.3	6.2	550	2050	2400	9.4	9.0	8.6
	25+35	2.50	3.50	—	—	1.4	6.0	6.9	550	2300	2700	10.6	10.1	9.7
	25+50	2.50	5.00	—	—	1.6	7.5	7.9	600	2850	3080	13.1	12.5	12.0
	25+60			—	—									
	28+28	2.80	2.80	—	—	1.4	5.6	6.7	550	2150	2600	9.9	9.4	9.0
	28+35	2.80	3.50	—	—	1.4	6.3	7.4	550	2450	2900	11.2	10.8	10.3
	28+50	2.76	4.94	—	—	1.6	7.7	7.9	600	2950	3080	13.5	13.0	12.4
	28+60			—	—									
	35+35	3.50	3.50	—	—	1.4	7.0	7.9	550	2700	3080	12.4	11.9	11.4
	35+50	3.17	4.53	—	—	1.6	7.7	7.9	600	2950	3080	13.5	13.0	12.4
	35+60			—	—									
50+50	3.85	3.85	—	—	1.8	7.7	7.9	700	2950	3080	13.5	13.0	12.4	
50+60			—	—										
3 room	22+22+22	2.20	2.20	2.20	—	2.4	6.6	8.4	850	2400	3100	11.0	10.5	10.1
	22+22+25	2.20	2.20	2.50	—	2.4	6.9	8.4	850	2500	3100	11.5	11.0	10.5
	22+22+28	2.17	2.17	2.76	—	2.4	7.1	8.4	850	2550	3100	11.7	11.2	10.7
	22+22+35	2.12	2.12	3.37	—	2.4	7.6	8.4	850	2750	3100	12.6	12.1	11.6
	22+22+50	1.83	1.83	4.15	—	2.6	7.8	8.4	950	2850	3100	13.1	12.5	12.0
	22+22+60				—									
	22+25+25	2.17	2.47	2.47	—	2.4	7.1	8.4	850	2550	3100	11.7	11.2	10.7
	22+25+28	2.11	2.40	2.69	—	2.4	7.2	8.4	850	2650	3100	12.2	11.6	11.2
	22+25+35	2.07	2.35	3.29	—	2.4	7.7	8.4	850	2800	3100	12.9	12.3	11.8
	22+25+50	1.77	2.01	4.02	—	2.6	7.8	8.4	950	2850	3100	13.1	12.5	12.0
	22+25+60				—									
	22+28+28	2.09	2.66	2.66	—	2.4	7.4	8.4	850	2700	3100	12.4	11.9	11.4
	22+28+35	2.02	2.57	3.21	—	2.4	7.8	8.4	850	2850	3100	13.1	12.5	12.0
	22+28+50	1.72	2.18	3.90	—	2.6	7.8	8.4	950	2850	3100	13.1	12.5	12.0
	22+28+60				—									
	22+35+35	1.87	2.97	2.97	—	2.4	7.8	8.4	850	2850	3100	13.1	12.5	12.0
	22+35+50	1.60	2.55	3.64	—	2.6	7.8	8.4	950	2850	3100	13.1	12.5	12.0
	22+35+60				—									
	22+50+50	1.41	3.20	3.20	—	2.8	7.8	8.4	1020	2850	3100	13.1	12.5	12.0
	22+50+60				—									
	25+25+25	2.40	2.40	2.40	—	2.4	7.2	8.4	850	2650	3100	12.2	11.6	11.2
	25+25+28	2.37	2.37	2.66	—	2.4	7.4	8.4	850	2700	3100	12.4	11.9	11.4
	25+25+35	2.29	2.29	3.21	—	2.4	7.8	8.4	850	2850	3100	13.1	12.5	12.0
	25+25+50	1.95	1.95	3.90	—	2.6	7.8	8.4	950	2850	3100	13.1	12.5	12.0
25+25+60				—										
25+28+28	2.31	2.59	2.59	—	2.4	7.5	8.4	850	2730	3100	12.5	12.0	11.5	
25+28+35	2.22	2.48	3.10	—	2.4	7.8	8.4	850	2850	3100	13.1	12.5	12.0	
25+28+50	1.89	2.12	3.79	—	2.6	7.8	8.4	950	2850	3100	13.1	12.5	12.0	
25+28+60				—										
25+35+35	2.05	2.87	2.87	—	2.4	7.8	8.4	850	2850	3100	13.1	12.5	12.0	
25+35+50	1.77	2.48	3.55	—	2.6	7.8	8.4	950	2850	3100	13.1	12.5	12.0	

Indoor unit combination		Cooling capacity (kW)							Power consumption (W)			Standard current (A)		
		Room cooling capacity (kW)				Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
		A room	B room	C room	D room	Min.	Standard	Max.						
3 room	25+35+60				—									
	25+50+50	1.56	3.12	3.12	—	2.8	7.8	8.4	1020	2850	3100	13.1	12.5	12.0
	28+28+28	2.53	2.53	2.53	—	2.4	7.6	8.4	850	2750	3100	12.6	12.1	11.6
	28+28+35	2.40	2.40	3.00	—	2.4	7.8	8.4	850	2850	3100	13.1	12.5	12.0
	28+28+50	2.06	2.06	3.68	—	2.6	7.8	8.4	950	2850	3100	13.1	12.5	12.0
	28+28+60				—									
	28+35+35	2.23	2.79	2.79	—	2.4	7.8	8.4	850	2850	3100	13.1	12.5	12.0
	28+35+50	1.93	2.42	3.45	—	2.6	7.8	8.4	950	2850	3100	13.1	12.5	12.0
	28+35+60				—									
	28+50+50	1.71	3.05	3.05	—	2.8	7.8	8.4	1020	2850	3100	13.1	12.5	12.0
	35+35+35	2.60	2.60	2.60	—	2.4	7.8	8.4	850	2850	3100	13.1	12.5	12.0
	35+35+50	2.28	2.28	3.25	—	2.6	7.8	8.4	950	2850	3100	13.1	12.5	12.0
	35+35+60				—									
4 room	22+22+22+22	1.93	1.93	1.93	1.93	3.4	7.7	9.3	1080	2500	3200	11.5	11.0	10.5
	22+22+22+25	1.86	1.86	1.86	2.12	3.4	7.7	9.3	1080	2500	3200	11.5	11.0	10.5
	22+22+22+28	1.80	1.80	1.80	2.29	3.4	7.7	9.3	1080	2500	3200	11.5	11.0	10.5
	22+22+22+35	1.70	1.70	1.70	2.70	3.4	7.8	9.3	1080	2550	3200	11.7	11.2	10.7
	22+22+22+50	1.50	1.50	1.50	3.41	3.6	7.9	9.3	1150	2600	3200	11.9	11.4	10.9
	22+22+22+60													
	22+22+25+25	1.80	1.80	2.05	2.05	3.4	7.7	9.3	1080	2500	3200	11.5	11.0	10.5
	22+22+25+28	1.75	1.75	1.98	2.22	3.4	7.7	9.3	1080	2500	3200	11.5	11.0	10.5
	22+22+25+35	1.65	1.65	1.88	2.63	3.4	7.8	9.3	1080	2550	3200	11.7	11.2	10.7
	22+22+25+50	1.46	1.46	1.66	3.32	3.6	7.9	9.3	1150	2600	3200	11.9	11.4	10.9
	22+22+25+60													
	22+22+28+28	1.69	1.69	2.16	2.16	3.4	7.7	9.3	1080	2500	3200	11.5	11.0	10.5
	22+22+28+35	1.60	1.60	2.04	2.55	3.4	7.8	9.3	1080	2550	3200	11.7	11.2	10.7
	22+22+28+50	1.42	1.42	1.81	3.24	3.6	7.9	9.3	1150	2600	3200	11.9	11.4	10.9
	22+22+28+60													
	22+22+35+35	1.51	1.51	2.39	2.39	3.4	7.8	9.3	1080	2550	3200	11.7	11.2	10.7
	22+22+35+50	1.35	1.35	2.14	3.06	3.6	7.9	9.3	1150	2600	3200	11.9	11.4	10.9
	22+22+35+60													
	22+25+25+25	1.75	1.98	1.98	1.98	3.4	7.7	9.3	1080	2500	3200	11.5	11.0	10.5
	22+25+25+28	1.69	1.93	1.93	2.16	3.4	7.7	9.3	1080	2500	3200	11.5	11.0	10.5
	22+25+25+35	1.60	1.82	1.82	2.55	3.4	7.8	9.3	1080	2550	3200	11.7	11.2	10.7
	22+25+25+50	1.42	1.62	1.62	3.24	3.6	7.9	9.3	1150	2600	3200	11.9	11.4	10.9
	22+25+25+60													
	22+25+28+28	1.67	1.89	2.12	2.12	3.4	7.8	9.3	1080	2550	3200	11.7	11.2	10.7
	22+25+28+35	1.56	1.77	1.99	2.48	3.4	7.8	9.3	1080	2550	3200	11.7	11.2	10.7
	22+25+28+50	1.39	1.58	1.77	3.16	3.6	7.9	9.3	1150	2600	3200	11.9	11.4	10.9
	22+25+35+35	1.49	1.69	2.36	2.36	3.4	7.9	9.3	1080	2600	3200	11.9	11.4	10.9
	22+25+35+50	1.32	1.50	2.09	2.99	3.6	7.9	9.3	1150	2600	3200	11.9	11.4	10.9
	22+28+28+28	1.62	2.06	2.06	2.06	3.4	7.8	9.3	1080	2550	3200	11.7	11.2	10.7
	22+28+28+35	1.52	1.93	1.93	2.42	3.4	7.8	9.3	1080	2550	3200	11.7	11.2	10.7
	22+28+28+50	1.36	1.73	1.73	3.09	3.6	7.9	9.3	1150	2600	3200	11.9	11.4	10.9
	22+28+35+35	1.45	1.84	2.30	2.30	3.4	7.9	9.3	1080	2600	3200	11.9	11.4	10.9
	22+35+35+35	1.37	2.18	2.18	2.18	3.4	7.9	9.3	1080	2600	3200	11.9	11.4	10.9
25+25+25+25	1.93	1.93	1.93	1.93	3.4	7.7	9.3	1080	2500	3200	11.5	11.0	10.5	
25+25+25+28	1.89	1.89	1.89	2.12	3.4	7.8	9.3	1080	2550	3200	11.7	11.2	10.7	
25+25+25+35	1.77	1.77	1.77	2.48	3.4	7.8	9.3	1080	2550	3200	11.7	11.2	10.7	
25+25+25+50	1.58	1.58	1.58	3.16	3.6	7.9	9.3	1150	2600	3200	11.9	11.4	10.9	
25+25+28+28	1.84	1.84	2.06	2.06	3.4	7.8	9.3	1080	2550	3200	11.7	11.2	10.7	
25+25+28+35	1.73	1.73	1.93	2.42	3.4	7.8	9.3	1080	2550	3200	11.7	11.2	10.7	
25+25+28+50	1.54	1.54	1.73	3.09	3.6	7.9	9.3	1150	2600	3200	11.9	11.4	10.9	
25+25+35+35	1.65	1.65	2.30	2.30	3.4	7.9	9.3	1080	2600	3200	11.9	11.4	10.9	
28+28+28+28	1.95	1.95	1.95	1.95	3.4	7.8	9.3	1080	2550	3200	11.7	11.2	10.7	
28+28+28+35	1.86	1.86	1.86	2.32	3.4	7.9	9.3	1080	2600	3200	11.9	11.4	10.9	
28+28+28+50	1.67	1.67	1.67	2.99	3.6	8.0	9.3	1150	2650	3200	12.2	11.6	11.2	
28+28+35+35	1.76	1.76	2.19	2.19	3.4	7.9	9.3	1080	2600	3200	11.9	11.4	10.9	
28+35+35+35	1.66	2.08	2.08	2.08	3.4	7.9	9.3	1080	2600	3200	11.9	11.4	10.9	

## 2.2 Range of usage & limitations

Item		Model	SCM45ZD-S	SCM60ZD-S	SCM80ZD-S
Indoor intake air temperature (Upper, lower limits)		Refer to the selection chart.			
Outdoor air temperature (Upper, lower limits)					
Indoor units that can be used in combination	Number of connected units	1 to 2 units	2 to 3 units	3 to 4 units	
	Total of indoor Units (class kW)	7.0kW	10.6kW	13.4kW	
Total length for all rooms		Max. 30m	Max. 40m	Max. 70m	
Length for one indoor unit		Max. 25m			
Difference in height between indoor and outdoor units	When above outdoor unit (B)	Max. 10m		Max. 15m	
	When below outdoor unit (A)	Max. 15m			
Difference in height between indoor units (C)		Max. 25m			
Compressor stop/start frequency	1 cycle time	6 min or more (from stop to stop or from start to start)			
	Stop time	3 min or more			
Power source voltage	Voltage fluctuation	Within $\pm 10\%$ of rated voltage			
	Voltage drop during start	Within $\pm 15\%$ of rated voltage			
	Interval unbalance	Within $\pm 3\%$ of rated voltage			

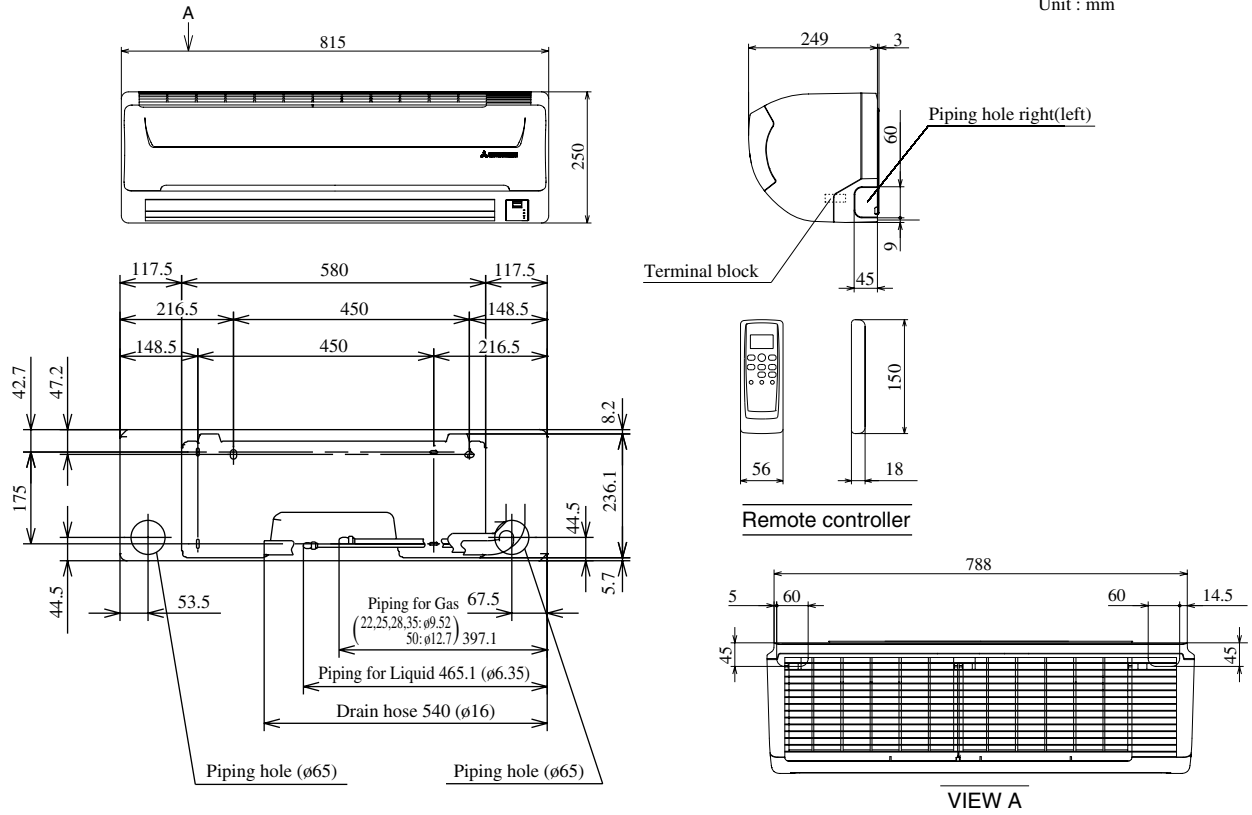


## 2.3 Exterior dimensions

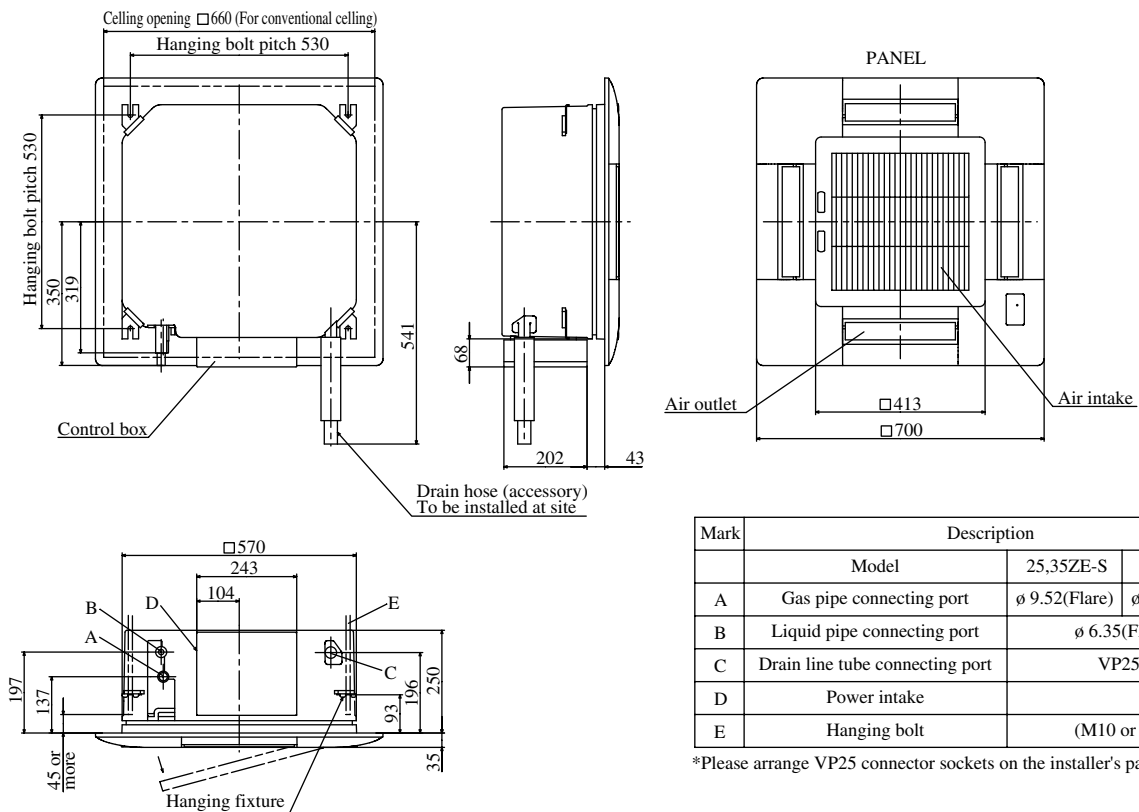
### (1) Indoor unit

Models SKM22ZD-S, 25ZD-S, 28ZD-S, 35ZD-S, 50ZD-S

Unit : mm



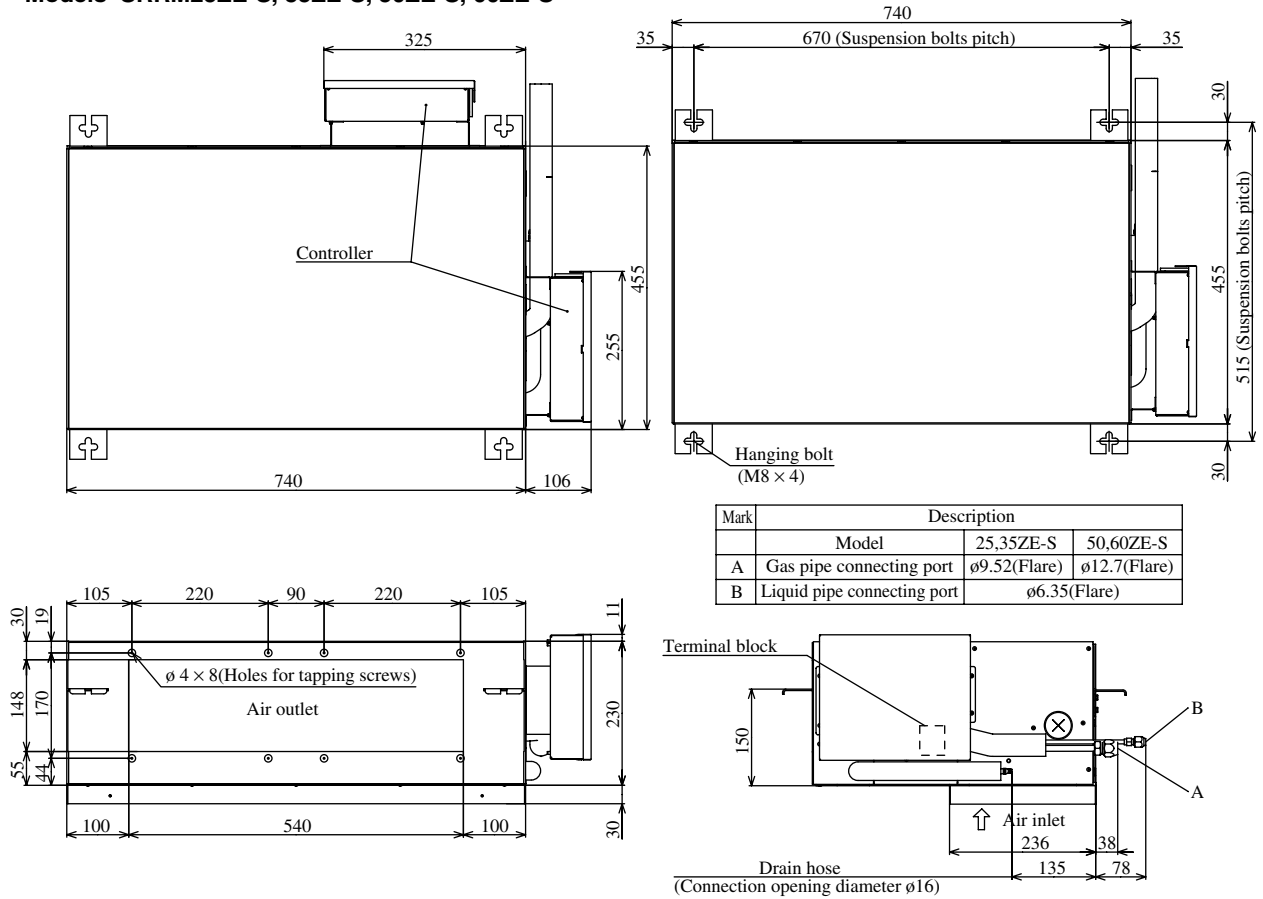
Models STM25ZE-S, 35ZE-S, 50ZE-S, 60ZE-S



Mark	Description		
	Model	25,35ZE-S	50,60ZE-S
A	Gas pipe connecting port	ø 9.52(Flare)	ø 12.7(Flare)
B	Liquid pipe connecting port	ø 6.35(Flare)	
C	Drain line tube connecting port	VP25*	
D	Power intake		
E	Hanging bolt	(M10 or M8)	

\*Please arrange VP25 connector sockets on the installer's part.

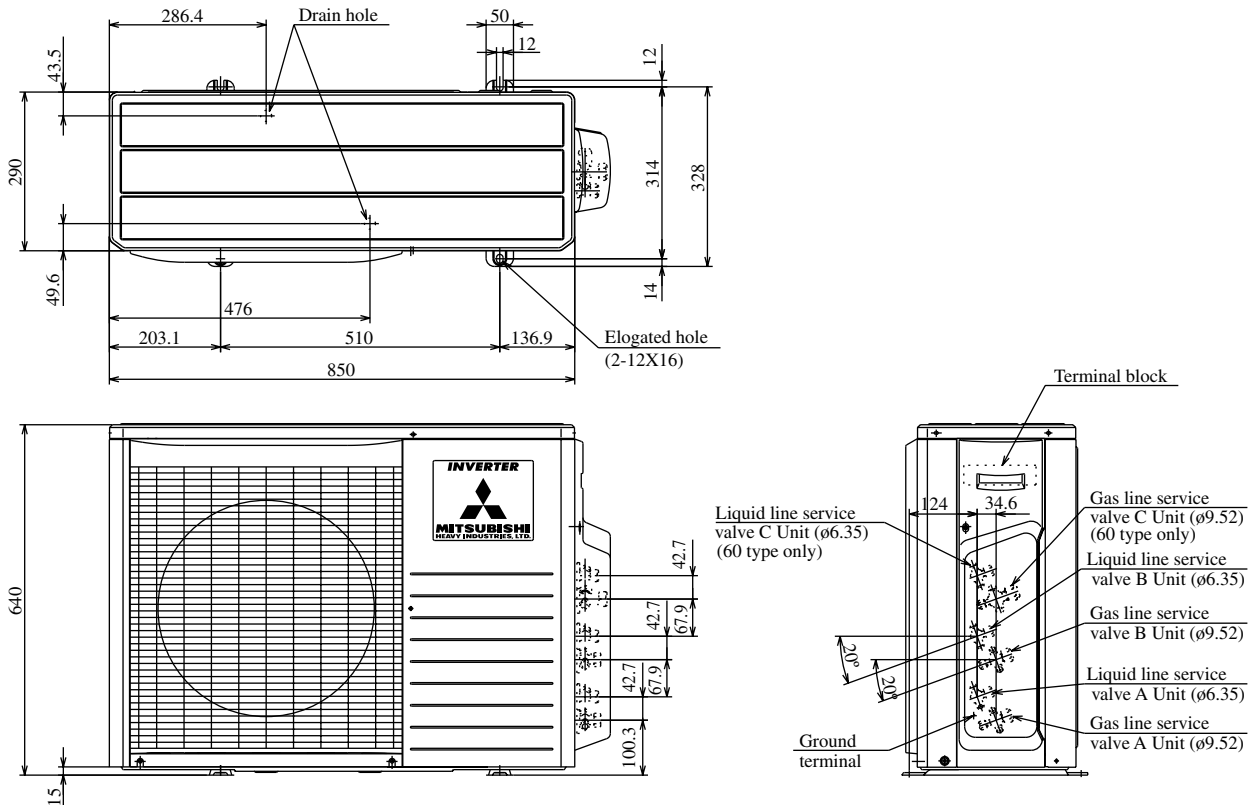
**Models SRRM25ZE-S, 35ZE-S, 50ZE-S, 60ZE-S**



**(2) Outdoor unit**

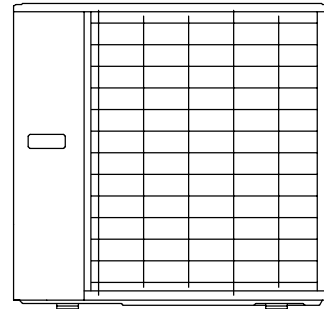
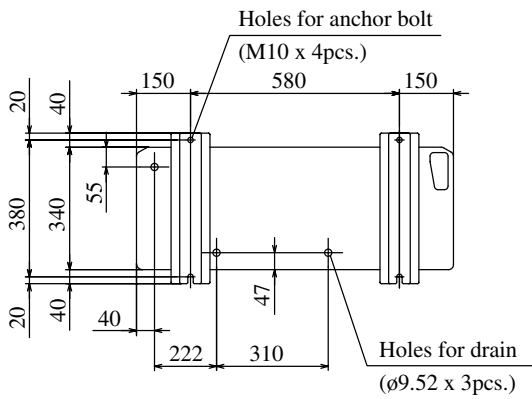
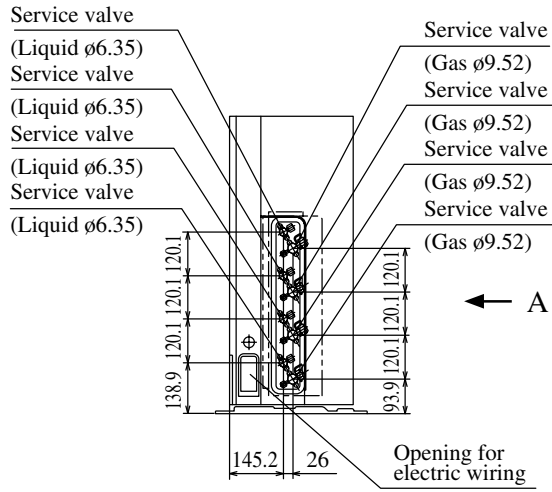
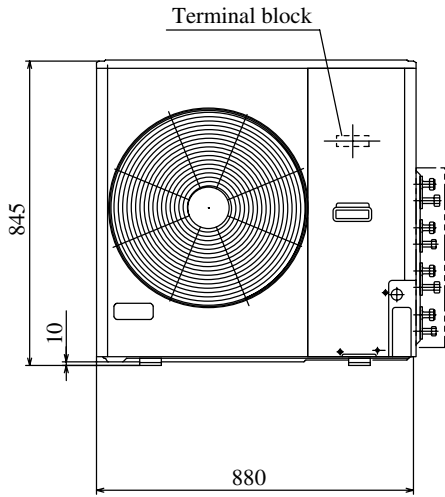
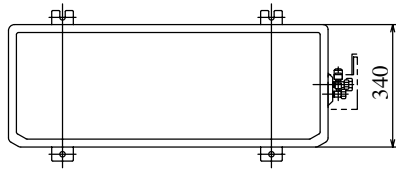
**Models SCM45ZD-S, 60ZD-S**

Unit : mm



**Model SCM80ZD-S**

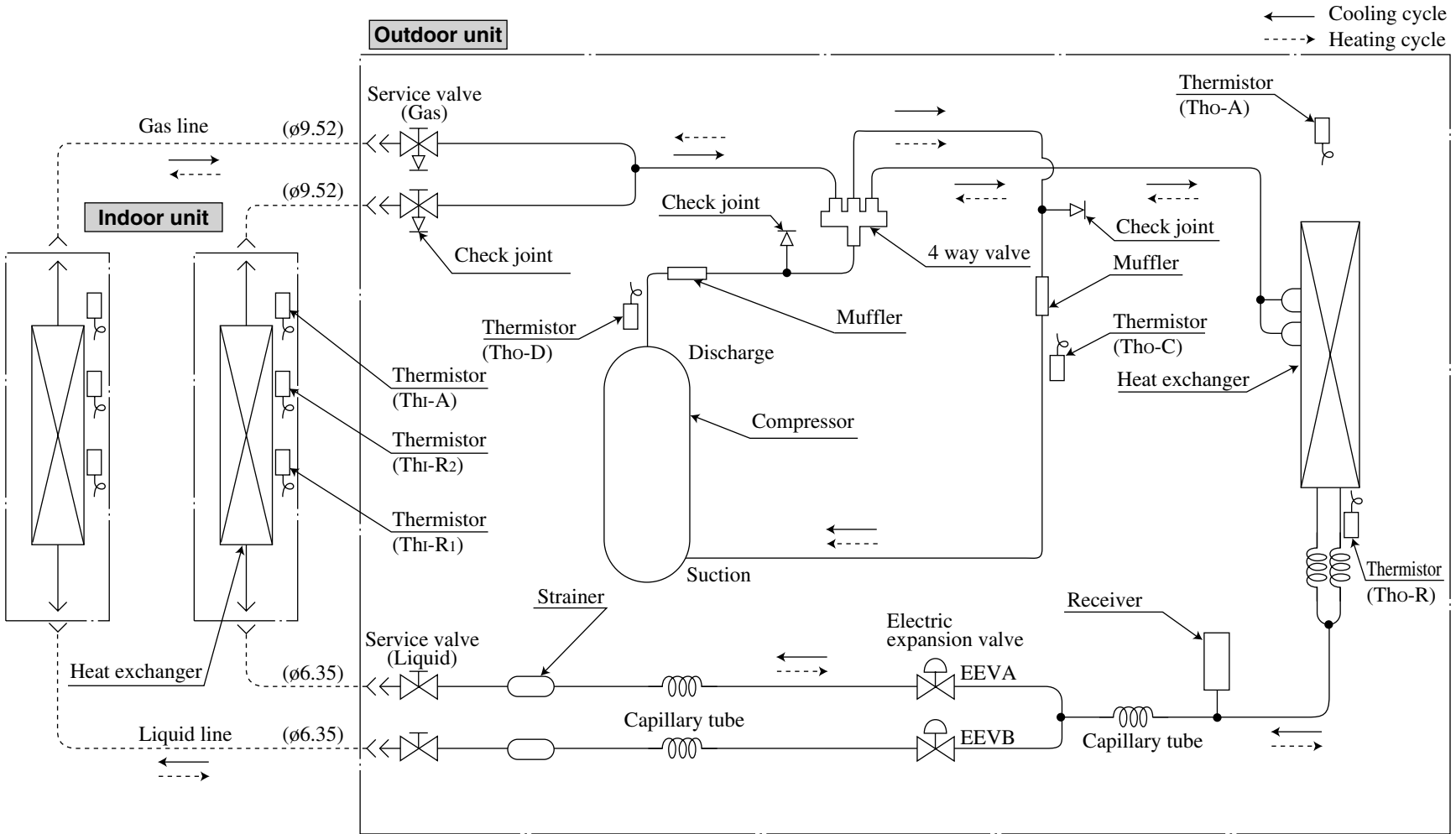
Unit : mm



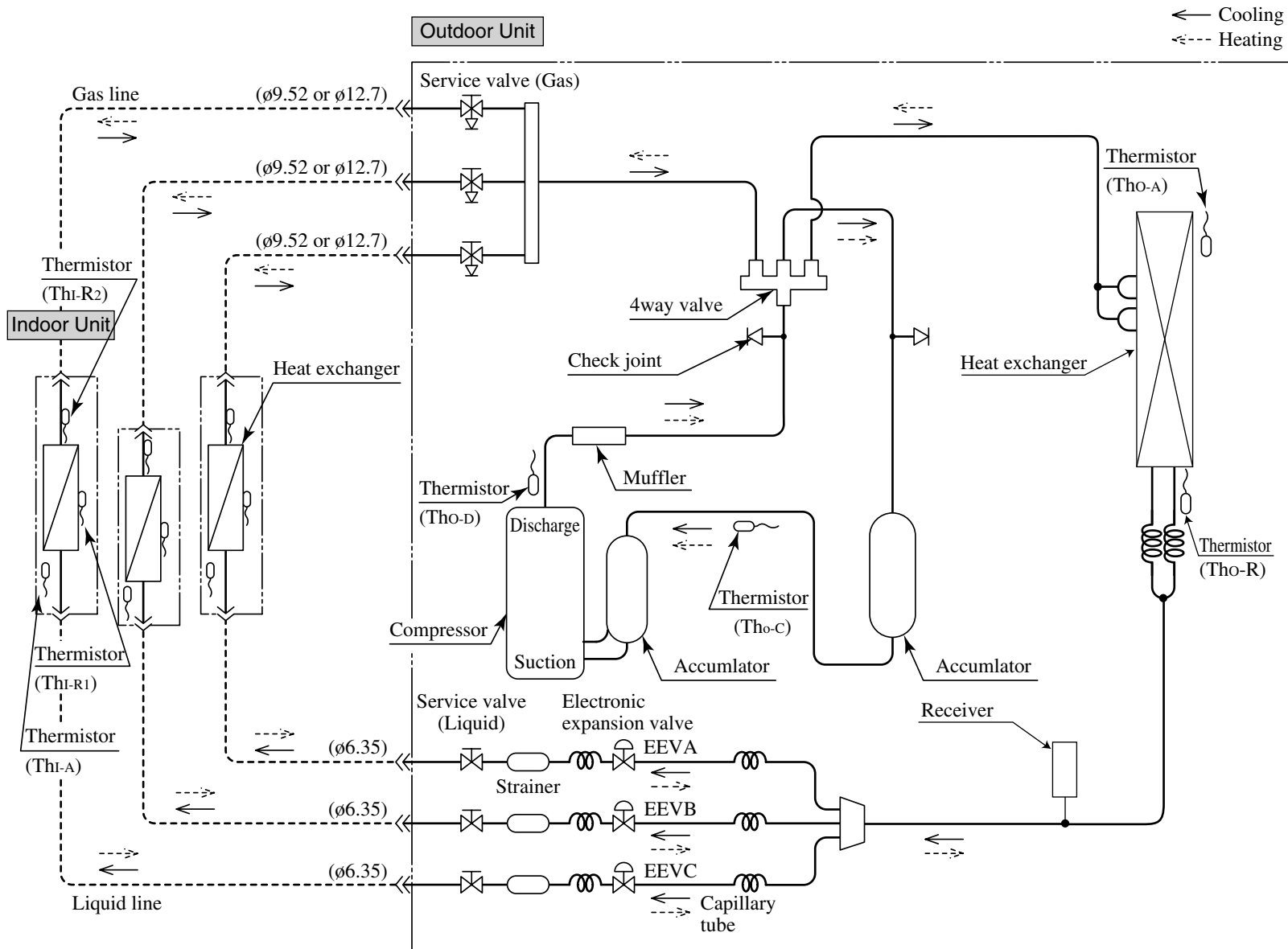
**VIEW A**

## 2.4 Piping system

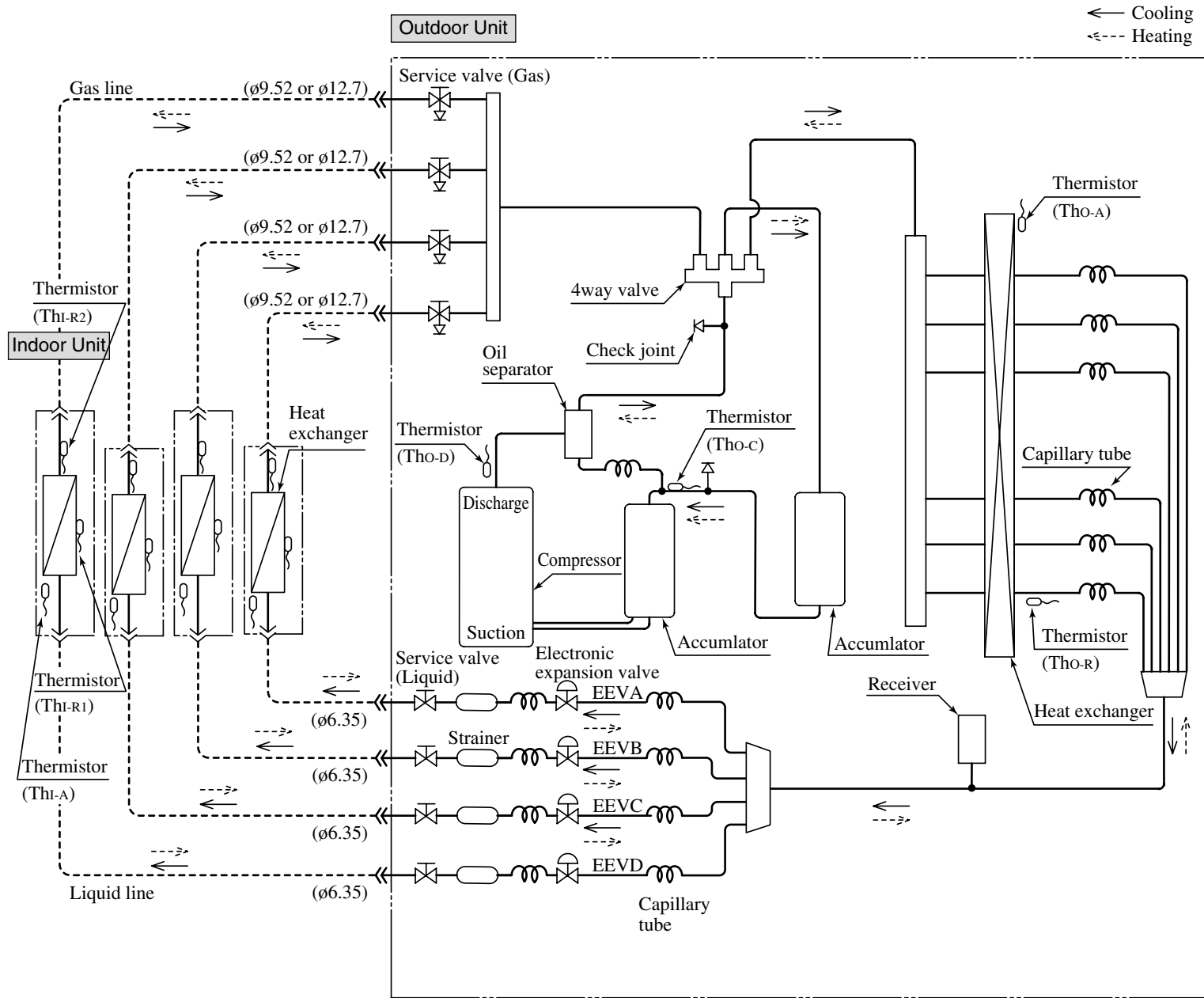
Model SCM45ZD-S







Gas line 22, 25, 28, 35 type: Ø9.52  
 50, 60 type : Ø12.7



Model SCM80ZD-S

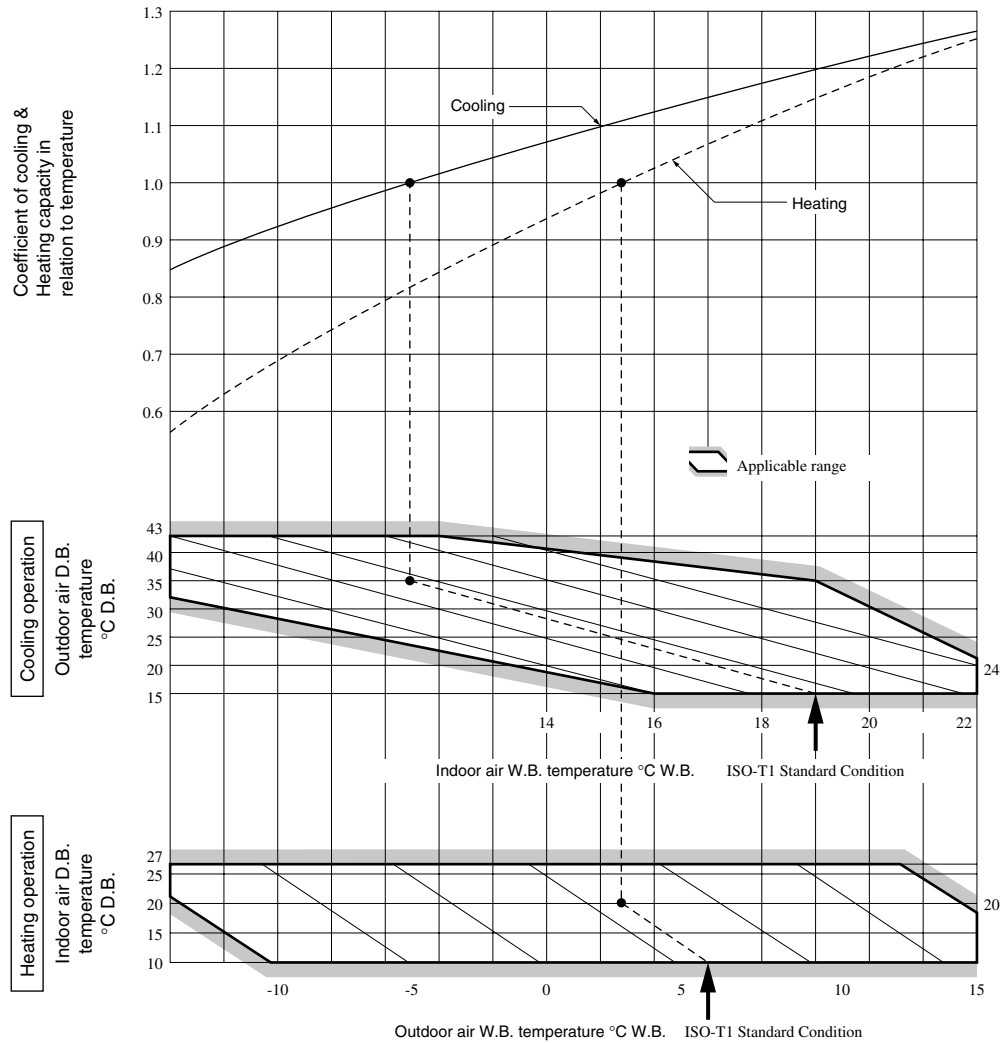
Gas line 22, 25, 28, 35 type: ø9.52  
 50, 60 type : ø12.7

## 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.

$$\text{Net capacity} = \text{Capacity shown on specification} \times \text{Correction factors as follows.}$$

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



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

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

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

### 3 ELECTRICAL DATA

#### Meaning of marks

##### • Outdoor Unit

Symbol	Parts name	Symbol	Parts name
CM	Compressor motor	EEVA ~ D	Electronic expansion valve
FMo	Fan motor	20S	4 way valve (coil)
CFo	Capacitor (for FMo)	Tho-A	Thermistor (outdoor air temp.)
L	Reactor	Tho-R	Thermistor (outdoor H.X temp.)
DS1	Diode stack	Tho-D	Thermistor (discharge pipe temp.)
Q11	Power transistor	Tho-C	Thermistor (suction pipe temp.)

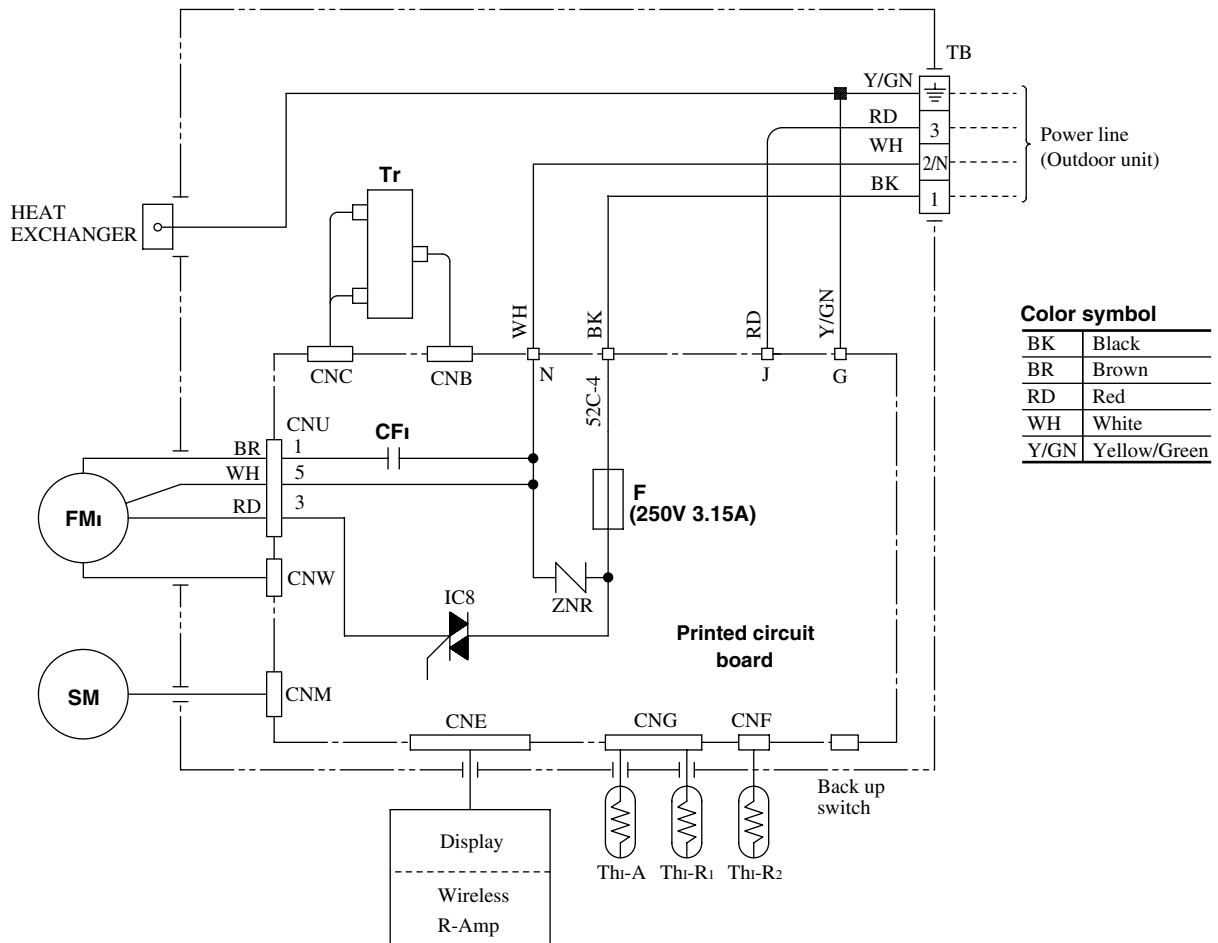
##### • Indoor Unit

Symbol	Parts name	Symbol	Parts name
FMi	Fan motor	DM	Drain motor
CFi	Capacitor (for FMi)	FS	Float switch
SM	Flap motor	Thi-A	Thermistor (room temp.)
Tr	Transformer	Thi-R1	Thermistor (indoor H.X temp.)
ZNR	Varistor	Thi-R2	Thermistor (indoor H.X temp.)
F	Fuse		

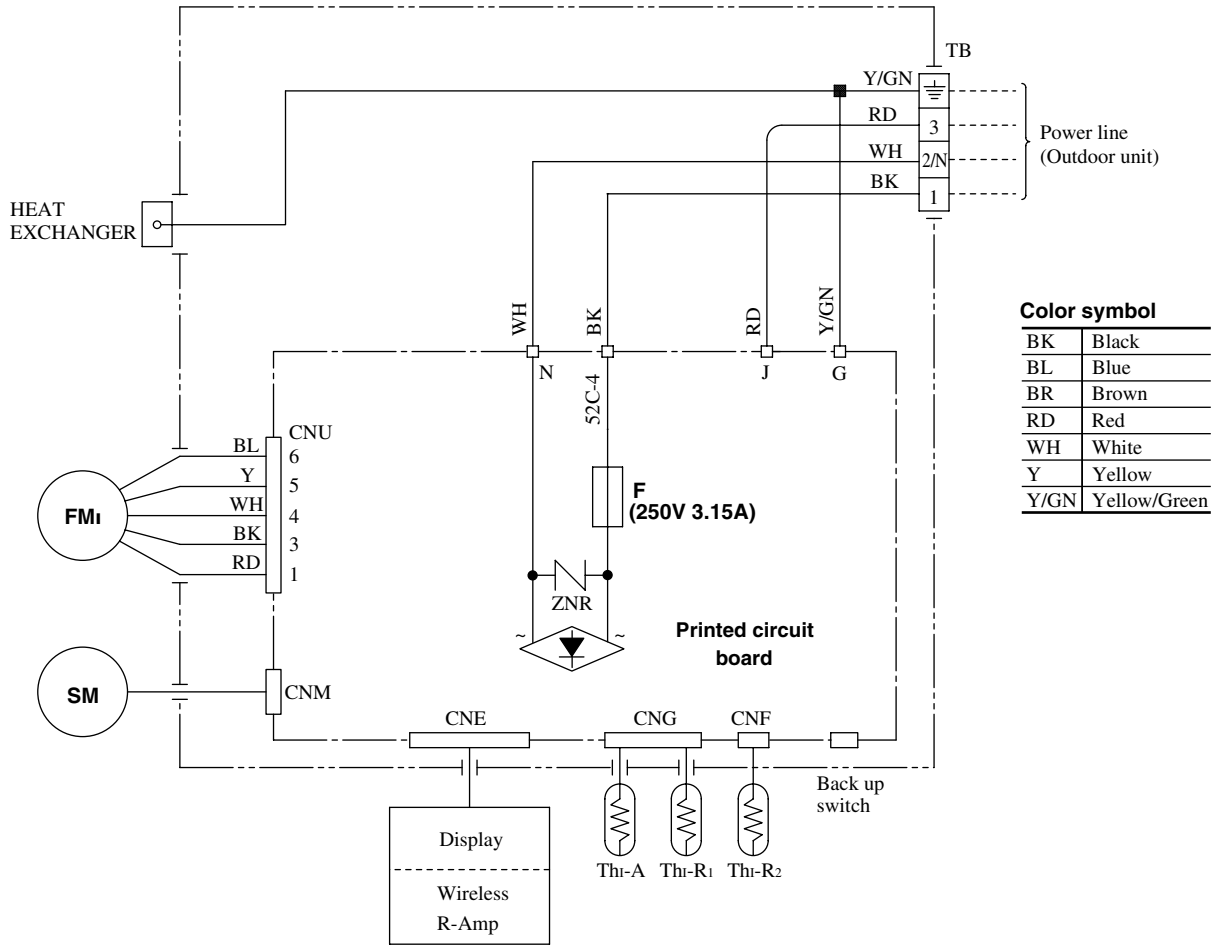
### 3.1 Electrical wiring

#### (1) Indoor unit

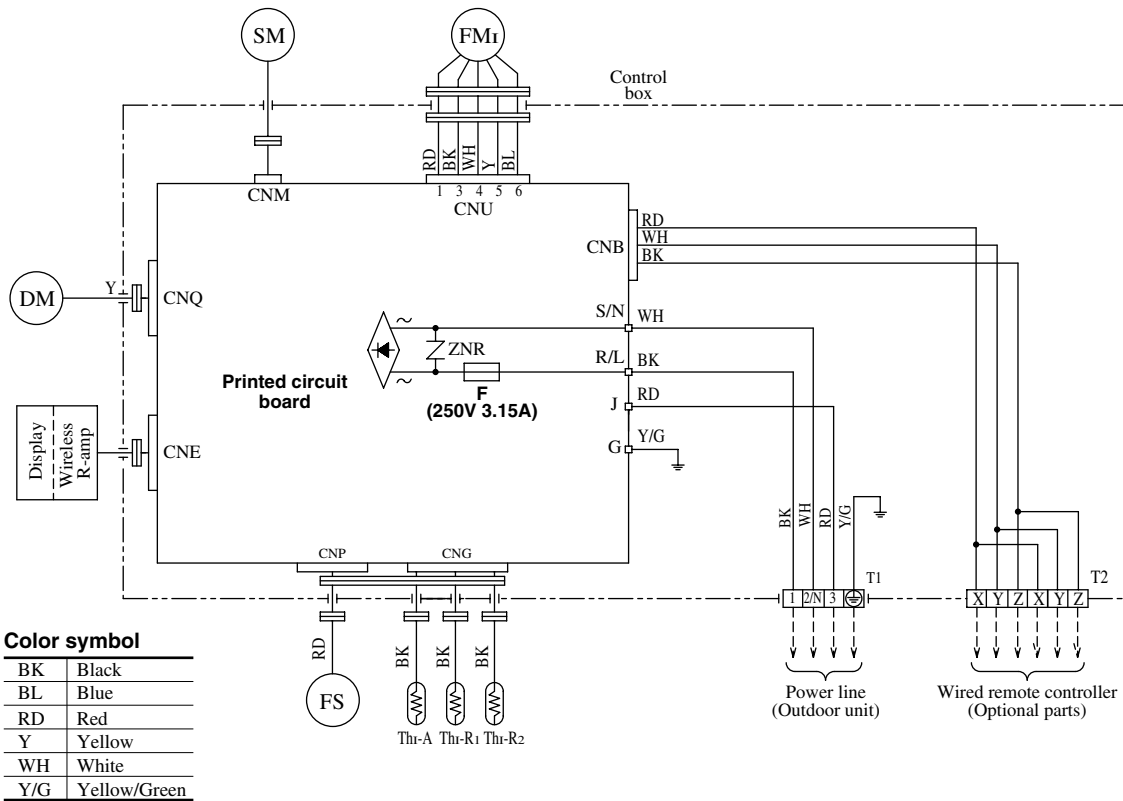
Models SKM22ZD-S, 25ZD-S, 28ZD-S, 35ZD-S



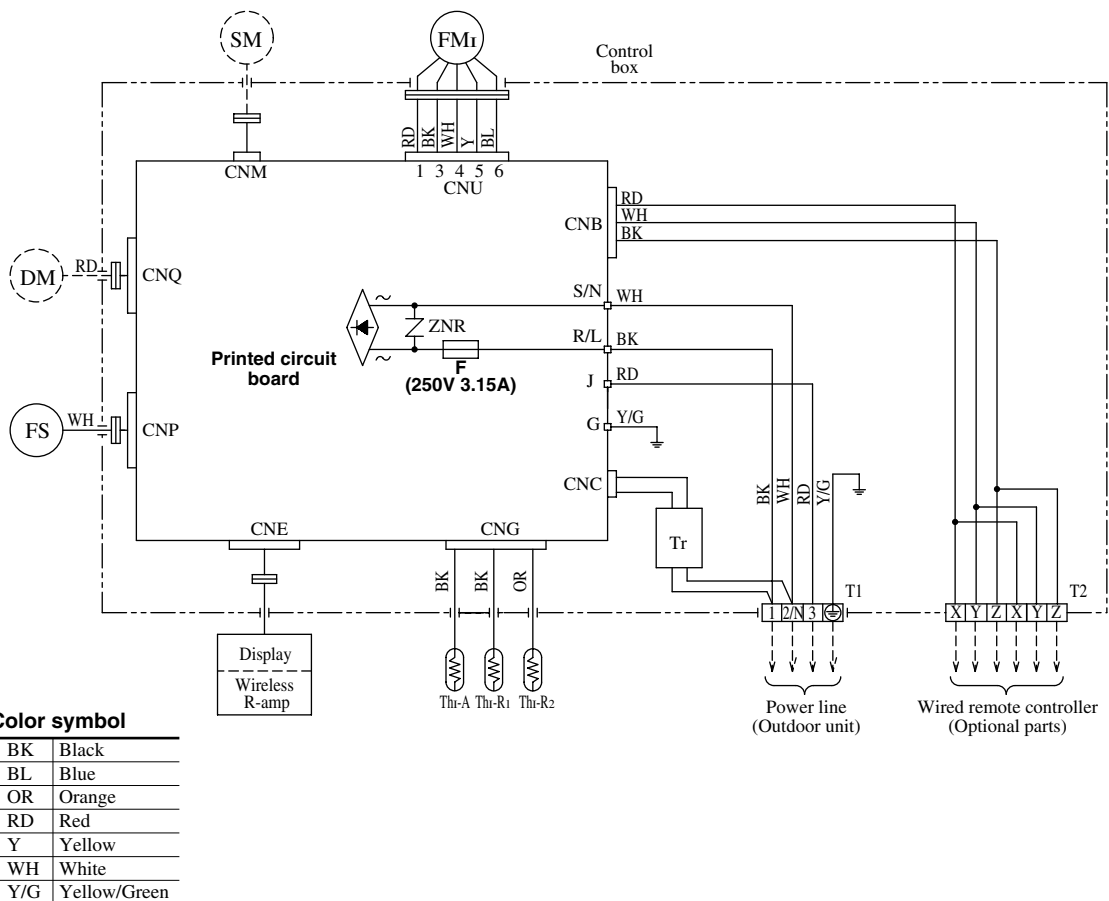
**Model SKM50ZD-S**

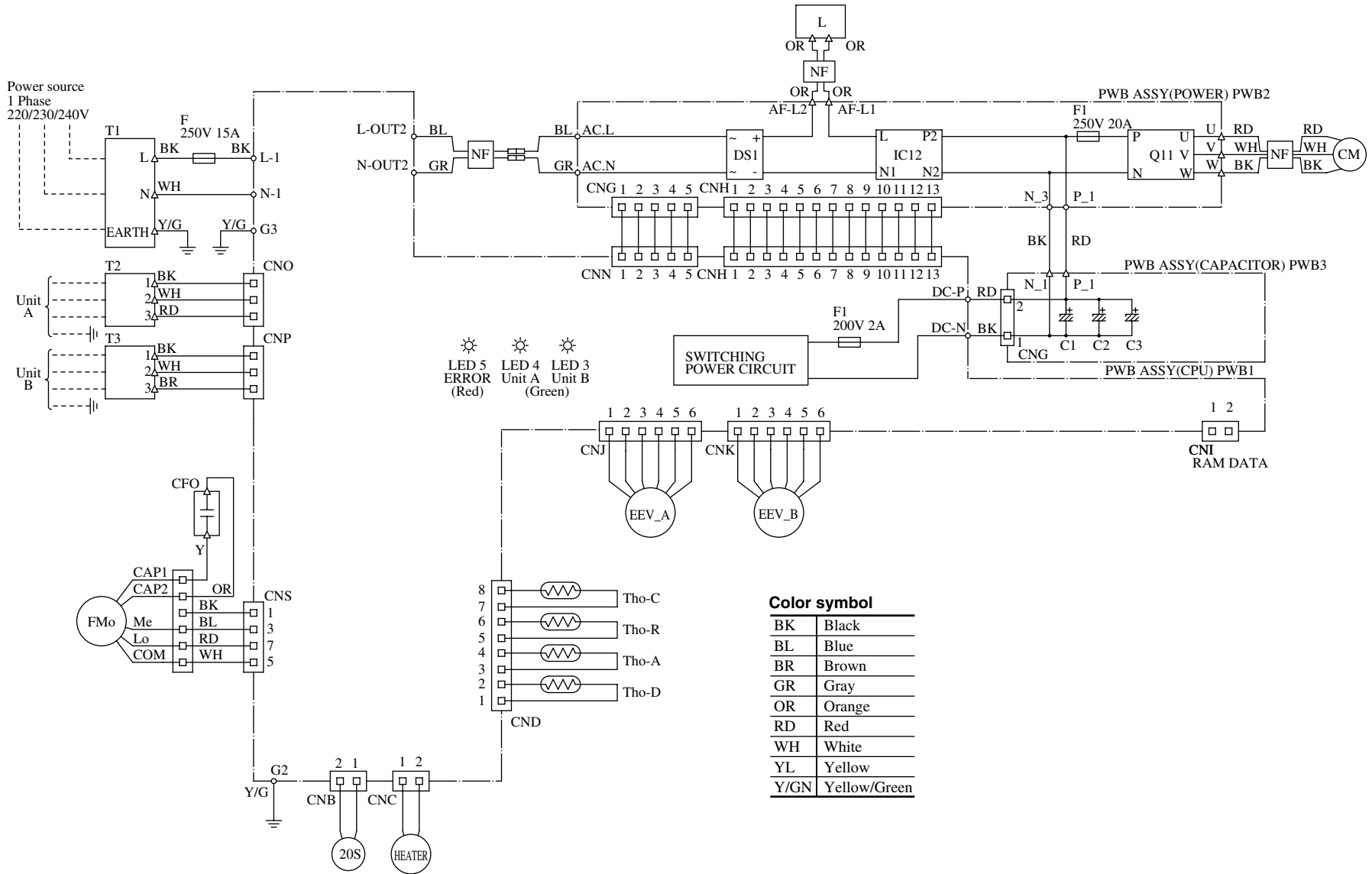


**Models STM25ZE-S, 35ZE-S, 50ZE-S, 60ZE-S**



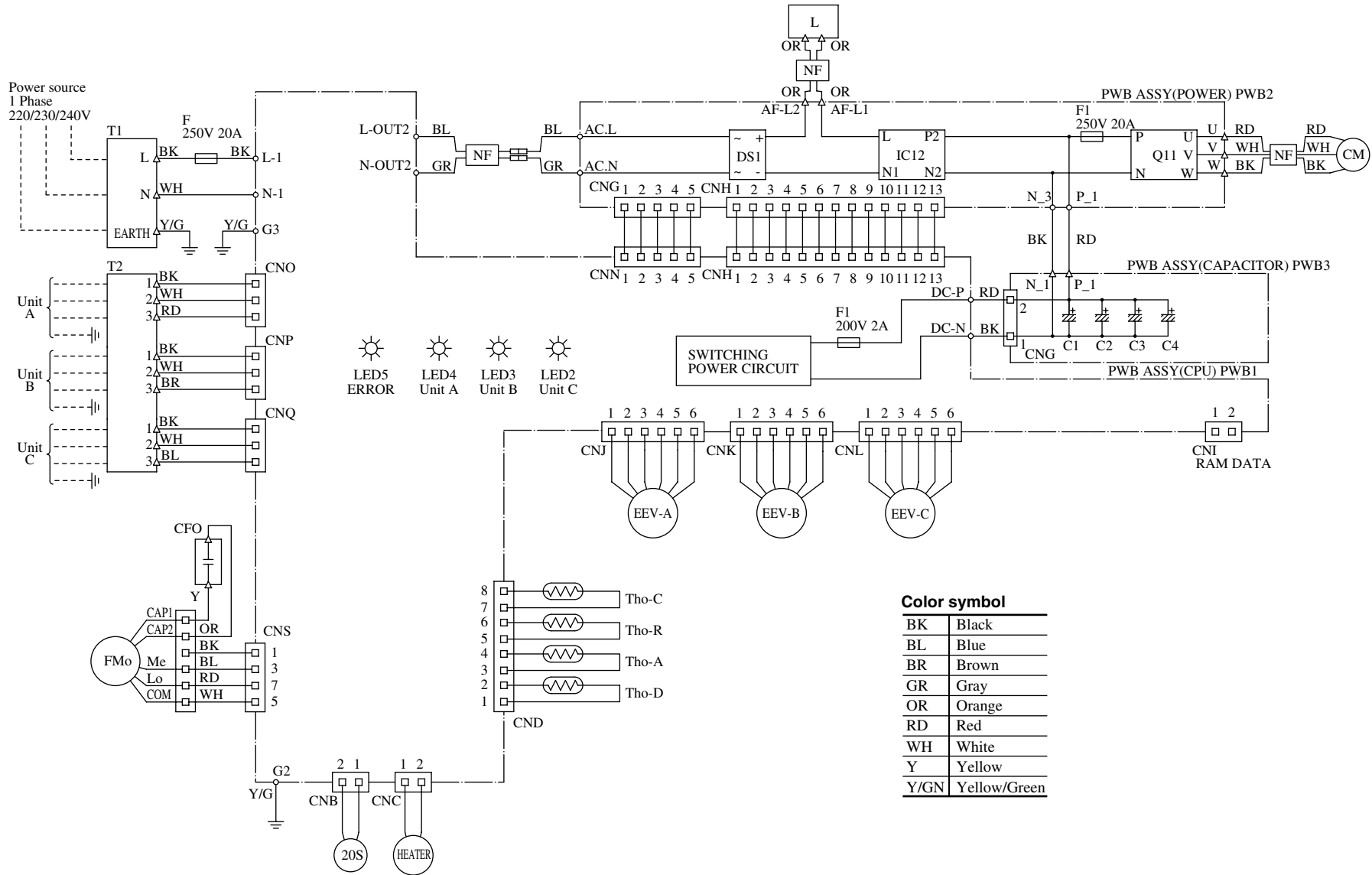
**Models SRRM25ZE-S, 35ZE-S, 50ZE-S, 60ZE-S**





**Color symbol**

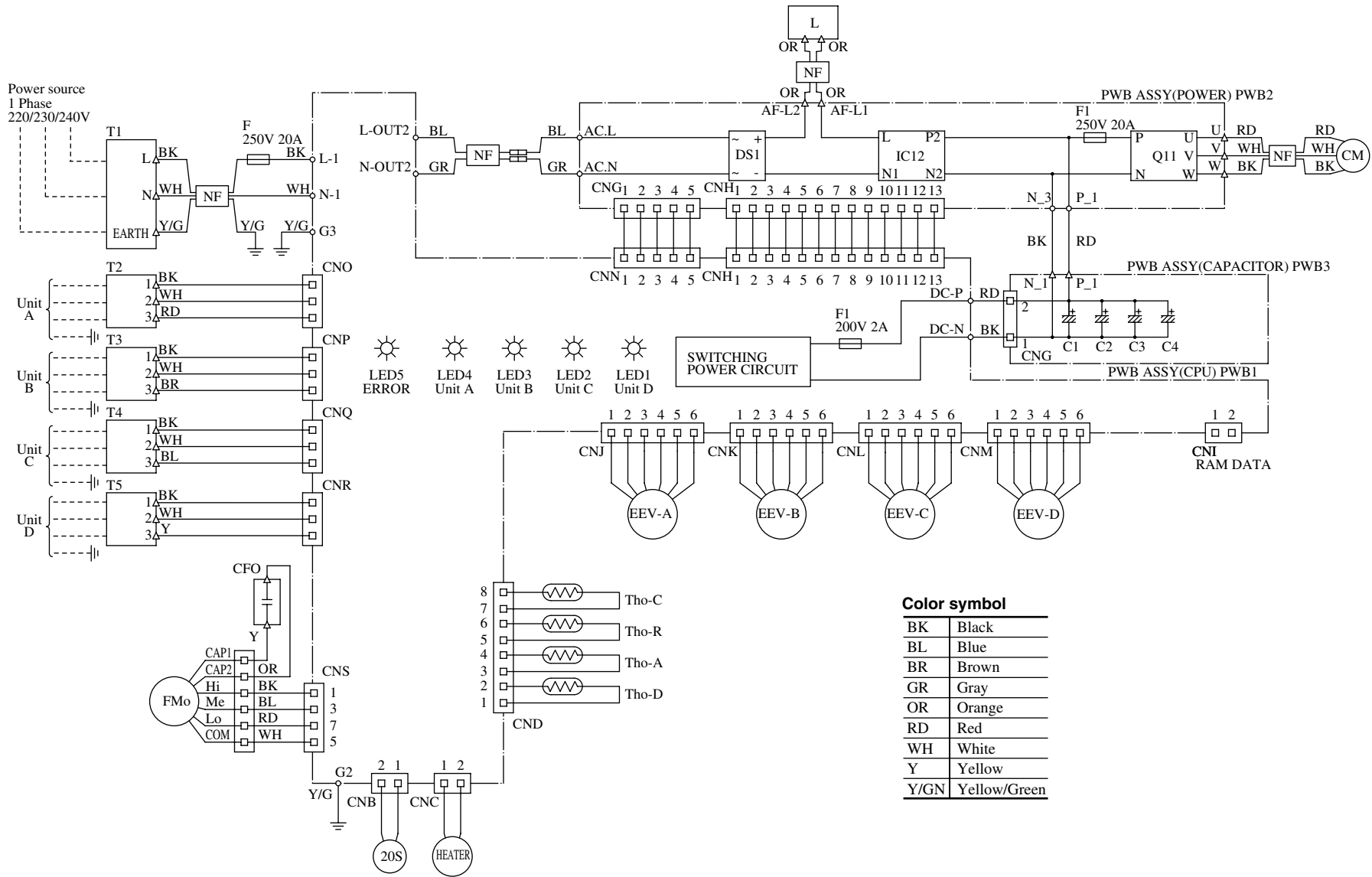
BK	Black
BL	Blue
BR	Brown
GR	Gray
OR	Orange
RD	Red
WH	White
YL	Yellow
Y/GN	Yellow/Green



**Color symbol**

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





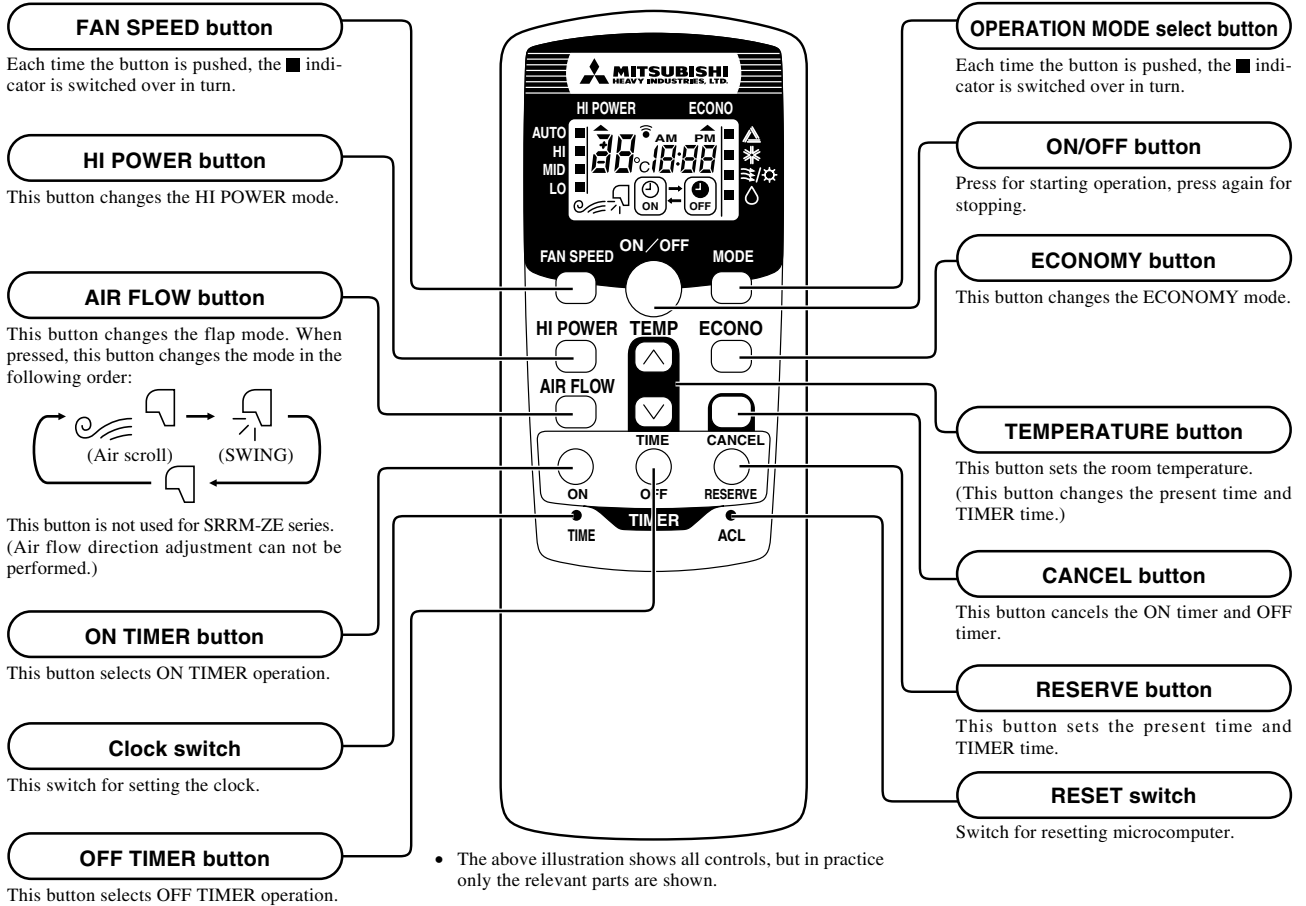
# 4 OUTLINE OF OPERATION CONTROL BY MICROCOMPUTER

## 4.1 Operation control function by remote control switch

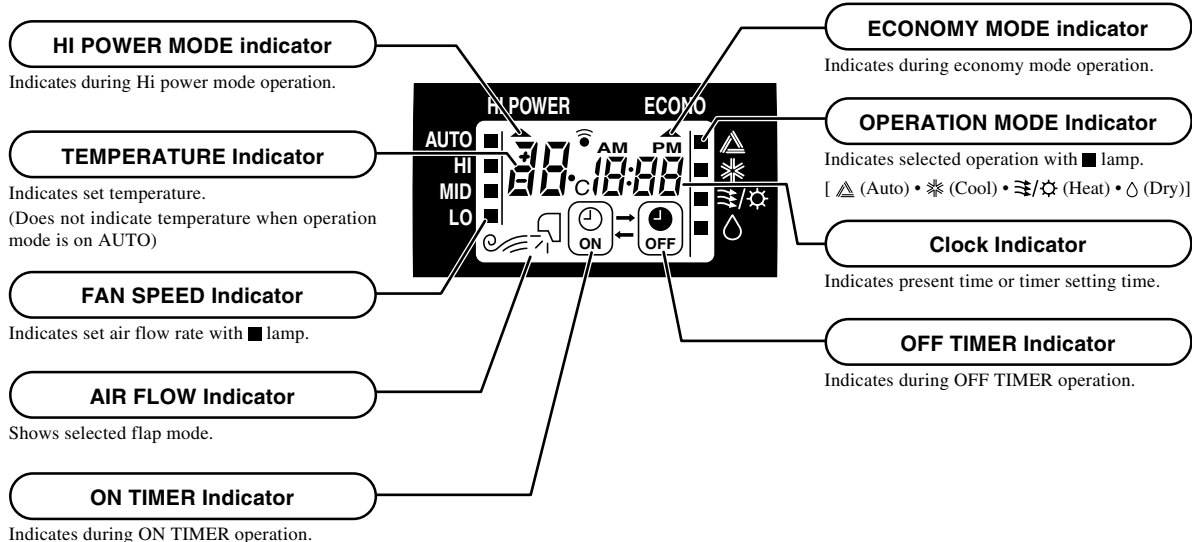
### Remote controller

Models All models

#### ◆ Operation section

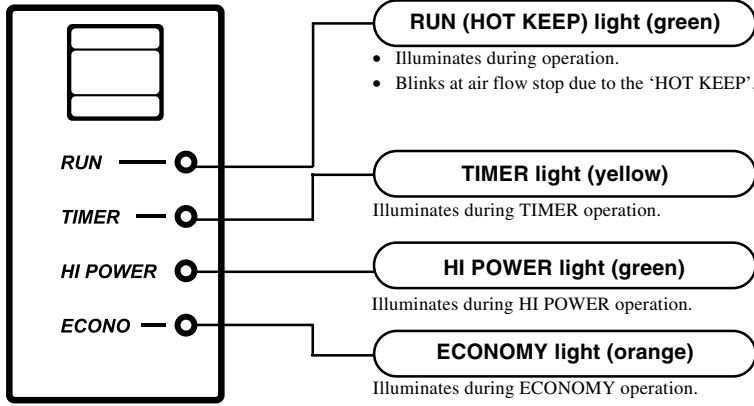


#### ◆ Indication section

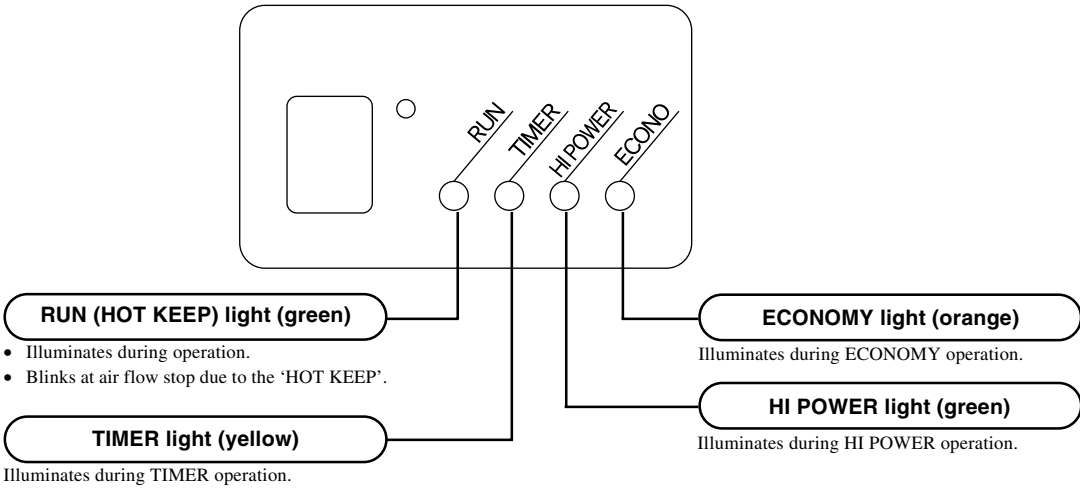


**Unit indication section**

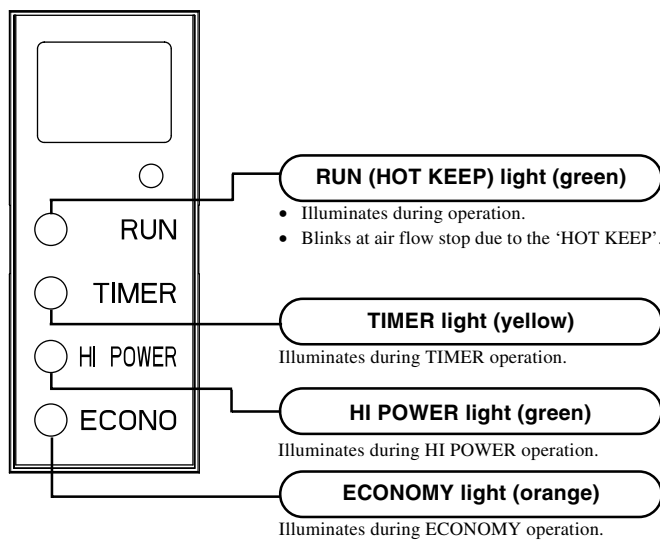
**Models SKM22ZD-S, 25ZD-S, 28ZD-S, 35ZD-S, 50ZD-S**



**Models STM25ZE-S, 35ZE-S, 50ZE-S, 60ZE-S**



**Models SRRM25ZE-S, 35ZE-S, 50ZE-S, 60ZE-S**



# 5 INSTALLATION

R410A refrigerant is used for this air-conditioner. Execute the installation work while taking care of the following points in addition to the general caution items.

## 5.1 Installation tools

Prepare the following special tools for R410A in addition to the general-purpose tools.

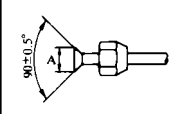
- Flare tool
- Gauge manifold
- Charge hose
- Vacuum pump adaptor
- Leak detector

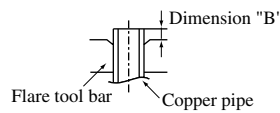
## 5.2 Refrigerant piping

- Use the copper pipe that has less than 40 mg/10 m of oil adhesion and 0.8 mm of wall thickness. Never use the thin walled pipe the thickness of which is less than 0.8 mm.
- Use the flare nut attached to the air-conditioner.

## 5.3 Pipe connection

### (1) Pipe working

	Copper pipe dia.		Dimension "A" (mm)
	Liquid side	ø6.35	9.1
	Gas side	ø9.52	13.2
ø12.7		16.6	



Copper pipe dia.	Dimension "B" (mm)
	Clutch type flare tool for R410A
ø6.35	0.0 ~ 0.5
ø9.52	0.0 ~ 0.5
ø12.7	0.0 ~ 0.5

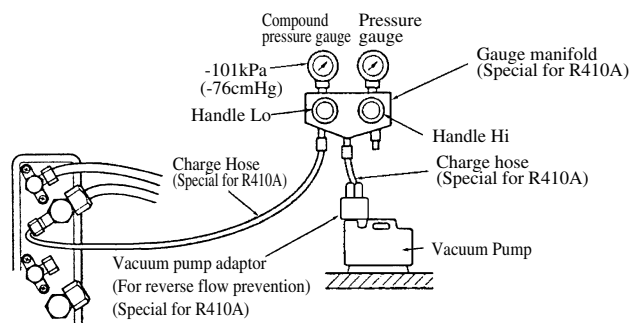
### (2) Tightening torque

- The tightening torque is shown below.

Copper pipe dia.		Across flats of flare nut (mm)	Tightening torque N·m (kgf·m)
Liquid side	ø6.35	17	14 ~ 18 (1.4 ~ 1.8)
Gas side	ø9.52	22	33 ~ 42 (3.3 ~ 4.2)
	ø12.7	24	50 ~ 62 (5.0 ~ 6.2)

### (3) Vacuuming

- The charge hose for R22 cannot be connected because the service port diameter is different from the conventional one. Use the special charge hose for R410A.
- Use the vacuum pump adapter for reverse flow prevention to check the reverse flow of vacuum pump oil. If oil flows back to the air-conditioner, it causes failure of refrigerant cycle.



# PARTS LIST (Main parts)

## (1) Indoor unit

No.	Parts Name	Parts No.		
		SKM22ZD-S	SKM25ZD-S	SKM28ZD-S
1	PANEL ASSY, FRONT	RKV102A600A		
2	PANEL, FRONT	RKV122A001B		
3	PANEL ASSY, AIR INLET	RKV435A100B		
4	GRILLE ASSY, AIR OUTLET	RKV435A101B		
5	MOTOR, AC	SSA511J218		
6	IMPELLER	SSA431G042C		
7	HEAT EXCH ASSY (AIR)	RKV301A500D		
8	PWB ASSY	RKV505A500C	RKV505A500D	RKV505A500F
9	CONTROL ASSY, REMOTE	RMA502A001		

No.	Parts Name	Parts No.	
		SKM35ZD-S	SKM50ZD-S
1	PANEL ASSY,FRONT	RKV102A600A	RKV102A600C
2	PANEL,FRONT	RKV122A001B	RKV122A001H
3	PANEL ASSY,AIR INLET	RKV435A100B	
4	GRILLE ASSY,AIR OUTLET	RKV435A101B	
5	MOTOR,AC	SSA511J218	-
6	MOTOR,DC	-	SSA512T064
7	IMPELLER	SSA431G042C	
8	HEAT EXCH ASSY(AIR)	RKV301A500D	RKV301A102B
9	PWB ASSY	RKV505A500G	RKV505A001N
10	CONTROL ASSY,REMOTE	RMA502A001	

No.	Parts Name	Parts No.			
		STM25ZE-S	STM35ZE-S	STM50ZE-S	STM60ZE-S
1	CABINET ASSY	RJA100A760A			
2	FAN, TURBO	SSA431J018			
3	MOTOR, DC	SSA512T074			
4	PUMP ASSY, DRAIN	PJA451A505P			
5	SWITCH ASSY, FLOAT	PJA536A700B			
6	HEAT EXCH ASSY(AIR)	RJH301A002		RJH301A001	
7	PWB ASSY	RKW505A200T	RKW505A200W	RKW505A200Y	RKW505A200Z
8	CONTROL ASSY, REMOTE	RMA502A001			
9	PANEL, FRONT	PJA122A752			
10	LOUVER ASSY, BLOW	PJA436A750			
11	MOTOR, STEPPING	SSA512T045			
12	GRILLE, AIR INLET	PJA435A751			

No.	Parts Name	Parts No.			
		SRRM25ZE-S	SRRM35ZE-S	SRRM50ZE-S	SRRM60ZE-S
1	CABINET ASSY	RJD121A001B			
2	PANEL ASSY, REAR	RJD125A001			
3	MOTOR, DC	SSA512T069B			
4	IMPELLER	SSA431D088			
5	SCROLL ASSY	RJD433B001			
6	HEAT EXCH ASSY(AIR)	RJD301A101		RJD301A102	
7	PWB ASSY	RKW505A200M	RKW505A200P	RKW505A200R	RKW505A200S
8	SWITCH, FLOAT	SSA536A017Y			
9	CONTROL ASSY, REMOTE	RMA502A001			

# PARTS LIST (Main parts)

## (2) Outdoor unit

No.	Parts Name	Parts No.		
		SCM45ZD-S	SCM60ZD-S	SCM80ZD-S
1	PANEL,FRONT	RWC122A003		PCA122A027AH
2	PANEL,SIDE(R)	RWC123A003B	RWC123A003A	-
3	PANEL,SIDE(L)	RWC123A002		-
4	PANEL, TOP	RWC124A003B		PCA124A007
5	GRILLE,AIR OUTLET	RWC435A002		-
6	GUARD,FAN	-		PCA131A021
7	GUARD,FIN	RWC131A004		PCA131A017
8	BRACKET,MOTOR	RWC116A041A		-
9	BASE,MOTOR	-		PCA116A092N
10	MOTOR,AC	SSA511B816	SSA511B817	SSA511T163C
11	PROPELLER	SSA431B233		SSA431B209
12	BASE ASSY	RWC111A003B	RWC111A003F	RPC111A850
13	HEAT EXCH(AIR)	RPC311A851		RPC311A853
14	VALVE,S(4WAY)	SSA382C078		
15	COIL,SOLENOID	SSA382F027B		
16	COMPRESSOR ASSY	RSA201A001A	PCA201A048A	
17	PWB ASSY(MAIN)	RPC505A850	RPC505A850A	RPC505A850B
18	PWB ASSY(POWER)	RPC505A851	RPC505A851A	
19	PWB ASSY(CAPACITOR)	RPC505A852	RPC505A852A	
20	VALVE,BODY(EXP)	SSA387F031		
21	COIL,SOLENOID	SSA382F210C		SSA382F210F
22	COIL,SOLENOID	SSA382F210D		SSA382F210K
23	COIL,SOLENOID	-	SSA382F210F	SSA382F210L
24	COIL,SOLENOID	-		SSA382F210M

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**INVERTER MULTI-SPLIT SYSTEM  
ROOM AIR-CONDITIONER**

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