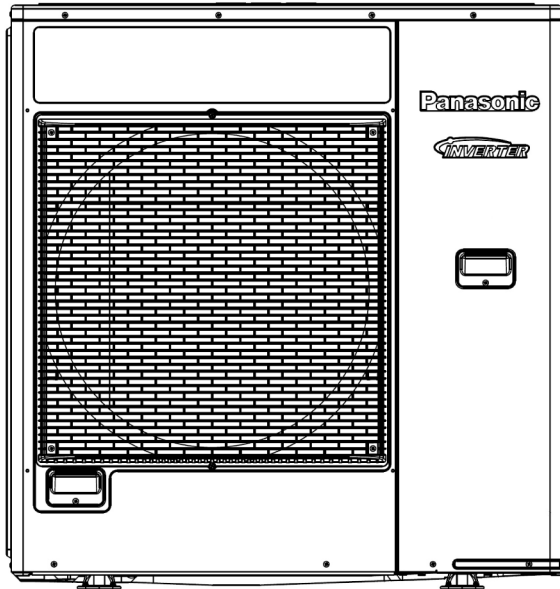


Service Manual

Air Conditioner

Outdoor Unit
CU-4E27PBE
CU-5E34PBE

Destination
Europe



Please file and use this manual together with the service manual for Model No. CS-E7PKEW CS-E9PKEWCS-E12PKEW CS-E15PKEW CS-E18PKEW CS-E21PKEW CS-E24PKEW CS-XE7PKEW CS-XE9PKEW CS-XE12PKEW CS-XE15PKEW CS-XE18PKEW CS-XE21PKEW CS-ME9PD3EA CS-ME12PD3EA CS-ME18PD3EA CS-ME9PB4EA CS-ME12PB4EA CS-ME18PB4EA CS-ME21PB4EA CS-E9GFEW CS-E12GFEW CS-E18GFEW CS-E9GFEW-2 CS-E12GFEW-2 CS-E18GFEW-2, Order No. PAPAMY1212045CEPAPAMY1301096CE PAPAMY1301095CE RAC0704001C2 MAC0804027A2

WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by  in the Schematic Diagrams, Circuit Board Diagrams, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire or other hazards. Do not modify the original design without permission of manufacturer.



PRECAUTION OF LOW TEMPERATURE

In order to avoid frostbite, be assured of no refrigerant leakage during the installation or repairing of refrigerant circuit.

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2. Specifications

2.1 CU-4E27PBE

Item			Unit	OUTDOOR UNIT
Indoor Unit Combination				2.0kW + 2.0kW + 2.0kW + 2.0kW
Power Source				1 Phase, 230V, 50Hz (Power supply from outdoor unit)
Cooling Operation	Capacity		kW	8.0 (3.0 ~ 9.2)
			BTU/h	27300 (10200 ~ 31400)
	Electrical Data	Running Current	A	9.4
		Power Input	kW	1.98 (0.53 ~ 2.87)
		EER	W/W	4.04 (5.66 ~ 3.21)
	Noise	Sound Pressure Level	dB-A (H/L)	51 / -
		Sound Power Level	dB (H/L)	67 / -
Heating Operation	Capacity		kW	9.4 (4.2 ~ 10.6)
			BTU/h	32100 (14300 ~ 36100)
	Electrical Data	Running Current	A	9.8
		Power Input	kW	2.08 (0.70 ~ 3.06)
		COP	W/W	4.52 (6.00 ~ 3.46)
	Noise	Sound Pressure Level	dB-A (H/L)	52 / -
		Sound Power Level	dB (H/L)	68 / -
Maximum Current			A	19.0
Starting Current			A	9.8
Circuit Breaker Capacity			A	20
Dimension	Height		mm	999
	Width		mm	940
	Depth		mm	340
Net Weight			kg	80
Connection Cable				3 + 1 (Earth) ø1.5 mm ²
Pipe Length Range (1 room)			m	3 ~ 25
Maximum Pipe Length (Total Room)			m	70
Refrigerant Pipe Diameter	Liquid Side		mm (inch)	6.35 (1/4)
	Gas Side		mm (inch)	9.52 (3/8) (E21 & E24:12.7 (1/2))
Compressor	Type			Hermetic Motor / Rotary
	Motor Type			Brushless (4-poles)
	Rated Output		W	1.70k
Air Circulation	Type			Propeller Fan
	Motor Type			DC Motor (8-poles)
	Rated Output		W	90
Fan Speed	High (Cooling / Heating)		RPM	550 / 600
Heat Exchanger	Type			Plate fin configuration forced draft type
	Tube Material			Copper
	Fin Material			Aluminum (Pre Coat)
	Row / Stage			2 / 46
	FPI			19
Air Volume	High (Cooling / Heating)		m³/min	50.4 / 55.6
Refrigerant Control Device				Expansion Valve
Refrigerant Oil				FV50S
Refrigerant (R410A)			g	3.40k

Item			Unit	OUTDOOR UNIT	
				Dry Bulb	Wet Bulb
Indoor Operation Range	Cooling	Maximum	°C	32	23
		Minimum	°C	16	11
	Heating	Maximum	°C	30	—
		Minimum	°C	16	—
Outdoor Operation Range	Cooling	Maximum	°C	46	26
		Minimum	°C	-10	—
	Heating	Maximum	°C	24	18
		Minimum	°C	-15	-16

Note

- Specifications are subject to change without notice for further improvement.

2.2 CU-5E34PBE

Item			Unit	OUTDOOR UNIT
Indoor Unit Combination				2.0kW + 2.0kW + 2.0kW + 2.0kW + 2.0kW
Power Source				1 Phase, 230V, 50Hz (Power supply from outdoor unit)
Cooling Operation	Capacity		kW	10.0 (2.9 ~ 11.5)
			BTU/h	34100 (9890 ~ 39200)
	Electrical Data	Running Current	A	13.2
		Power Input	kW	2.86 (0.55 ~ 3.86)
		EER	W/W	3.50 (5.27 ~ 2.98)
	Noise	Sound Pressure Level	dB-A (H/L)	53 / -
		Sound Power Level	dB (H/L)	69 / -
Heating Operation	Capacity		kW	12.0 (3.4 ~ 14.5)
			BTU/h	40900 (11600 ~ 49400)
	Electrical Data	Running Current	A	13.4
		Power Input	kW	2.86 (0.53 ~ 4.24)
		COP	W/W	4.20 (6.42 ~ 3.42)
	Noise	Sound Pressure Level	dB-A (H/L)	54 / -
		Sound Power Level	dB (H/L)	70 / -
Maximum Current			A	21.3
Starting Current			A	13.4
Circuit Breaker Capacity			A	25
Dimension	Height		mm	999
	Width		mm	940
	Depth		mm	340
Net Weight			kg	81
Connection Cable				3 + 1 (Earth) ø1.5 mm ²
Pipe Length Range (1 room)			m	3 ~ 25
Maximum Pipe Length (Total Room)			m	80
Refrigerant Pipe Diameter	Liquid Side		mm (inch)	6.35 (1/4)
	Gas Side		mm (inch)	9.52 (3/8) (E21 & E24:12.7(1/2))
Compressor	Type			Hermetic Motor / Rotary
	Motor Type			Brushless (4-poles)
	Rated Output		W	1.70k
Air Circulation	Type			Propeller Fan
	Motor Type			DC Motor (8-poles)
	Rated Output		W	90
Fan Speed	High (Cooling / Heating)		RPM	650 / 740
Heat Exchanger	Type			Plate fin configuration forced draft type
	Tube Material			Copper
	Fin Material			Aluminum (Pre Coat)
	Row / Stage			2 / 46
	FPI			19
Air Volume	High (Cooling / Heating)		m ³ /min	60.8 / 70.1
Refrigerant Control Device				Expansion Valve
Refrigerant Oil				FV50S
Refrigerant (R410A)			g	3.40k

Item			Unit	OUTDOOR UNIT	
				Dry Bulb	Wet Bulb
Indoor Operation Range	Cooling	Maximum	°C	32	23
		Minimum	°C	16	11
	Heating	Maximum	°C	30	—
		Minimum	°C	16	—
Outdoor Operation Range	Cooling	Maximum	°C	46	26
		Minimum	°C	-10	—
	Heating	Maximum	°C	24	18
		Minimum	°C	-15	-16

Note

- Specifications are subject to change without notice for further improvement.

- **Multi Split Combination Possibility:**

- A single outdoor unit enables air conditioning of up to four separate rooms for CU-4E27PBE.
- A single outdoor unit enables air conditioning of up to five separate rooms for CU-5E34PBE.

CONNECTABLE INDOOR UNIT			OUTDOOR UNIT								
			CU-4E27PBE				CU-5E34PBE				
ROOM			A	B	C	D	A	B	C	D	E
Type											
Wall	2.0kW	CS-E7PKEW CS-XE7PKEW	●	●	●	●	●	●	●	●	●
	2.5kW	CS-E9PKEW CS-XE9PKEW CS-ME9PD3EA CS-ME9PB4EA CS-E9GFEW CS-E9GFEW-2	●	●	●	●	●	●	●	●	●
	3.2kW	CS-E12PKEW CS-XE12PKEW CS-ME12PD3EA CS-ME12PB4EA CS-E12GFEW CS-E12GFEW-2	●	●	●	●	●	●	●	●	●
	4.0kW	CS-E15PKEW CS-XE15PKEW	●	●	●	●	●	●	●	●	●
	5.0kW	CS-E18PKEW CS-XE18PKEW CS-ME18PD3EA CS-ME18PB4EA CS-E18GFEW CS-E18GFEW-2	●	●	●	●	●	●	●	●	●
	6.0kW	CS-E21PKEW CS-XE21PKEW CS-ME21PB4EA	●	●	●	●	●	●	●	●	●
	7.0kW	CS-E24PKEW	●	●	●	●	●	●	●	●	●
Capacity range of connectable indoor units			From 4.5kW to 13.6kW				From 4.5kW to 17.5kW				
Pipe length	1-room maximum pipe length (m)	25				25					
	Allowable elevation (m)	15				15					
	Total allowable pipe length (m)	70				80					
	Total pipe length for maximum chargeless length (m)	45				45					
	Additional gas amount over chargeless length (g/m)	20				20					
Note: “●”: Available											
Remarks for CU-4E27PBE / CU-5E34PBE											
1. At least two indoor units must be connected.											
2. The total nominal cooling capacity of indoor units that will be connected to outdoor unit must be within connectable capacity range of indoor unit. (as shown in the table above)											
Example: The indoor units' combination below is possible to connect to CU-4E27PBE.											
(Total nominal capacity of indoor units is between 4.5kW to 13.6kW)											
1) Two CS-E9PKEW only (Total nominal cooling capacity is 5.0kW)											
2) Three CS-E12PKEW. (Total nominal cooling capacity is 9.6kW)											

- Indoor Unit : CS-E7/9/12/15/18/21/24PKEW, CS-E9/12/18GFEW, CS-ME9/12/18/21PB4EA, CS-ME9/12/18PD3EA
- Outdoor Unit : CU-4E27PBE

4 Room		3 Room		2 Room		1 Room	
Indoor Unit Capacity (kW)	Total Indoor Capacity (kW)	Indoor Unit Capacity (kW)	Total Indoor Capacity (kW)	Indoor Unit Capacity (kW)	Total Indoor Capacity (kW)	Indoor Unit Capacity (kW)	Total Indoor Capacity (kW)
2.0+2.0+2.0+2.0	8.0	2.0+2.0+2.0	6.0	2.0+2.5	4.5	2.0	2.0
2.0+2.0+2.0+2.5	8.5	2.0+2.0+2.5	6.5	2.0+2.8	4.8	2.5	2.5
2.0+2.0+2.0+2.8	8.8	2.0+2.0+2.8	6.8	2.0+3.2	5.2	2.8	2.8
2.0+2.0+2.0+3.2	9.2	2.0+2.0+3.2	7.2	2.0+4.0	6.0	3.2	3.2
2.0+2.0+2.0+4.0	10.0	2.0+2.0+4.0	8.0	2.0+5.0	7.0	4.0	4.0
2.0+2.0+2.0+5.0	11.0	2.0+2.0+5.0	9.0	2.0+6.0	8.0	5.0	5.0
2.0+2.0+2.0+6.0	12.0	2.0+2.0+6.0	10.0	2.0+7.0	9.0	6.0	6.0
2.0+2.0+2.0+7.0	13.0	2.0+2.0+7.0	11.0	2.5+2.5	5.0	7.0	7.0
2.0+2.0+2.5+2.5	9.0	2.0+2.5+2.5	7.0	2.5+2.8	5.3		
2.0+2.0+2.5+2.8	9.3	2.0+2.5+2.8	7.3	2.5+3.2	5.7		
2.0+2.0+2.5+3.2	9.7	2.0+2.5+3.2	7.7	2.5+4.0	6.5		
2.0+2.0+2.5+4.0	10.5	2.0+2.5+4.0	8.5	2.5+5.0	7.5		
2.0+2.0+2.5+5.0	11.5	2.0+2.5+5.0	9.5	2.5+6.0	8.5		
2.0+2.0+2.5+6.0	12.5	2.0+2.5+6.0	10.5	2.5+7.0	9.5		
2.0+2.0+2.5+7.0	13.5	2.0+2.5+7.0	11.5	2.8+2.8	5.6		
2.0+2.0+2.8+2.8	9.6	2.0+2.8+2.8	7.6	2.8+3.2	6.0		
2.0+2.0+2.8+3.2	10.0	2.0+2.8+3.2	8.0	2.8+4.0	6.8		
2.0+2.0+2.8+4.0	10.8	2.0+2.8+4.0	8.8	2.8+5.0	7.8		
2.0+2.0+2.8+5.0	11.8	2.0+2.8+5.0	9.8	2.8+6.0	8.8		
2.0+2.0+2.8+6.0	12.8	2.0+2.8+6.0	10.8	2.8+7.0	9.8		
2.0+2.0+3.2+3.2	10.4	2.0+2.8+7.0	11.8	3.2+3.2	6.4		
2.0+2.0+3.2+4.0	11.2	2.0+3.2+3.2	8.4	3.2+4.0	7.2		
2.0+2.0+3.2+5.0	12.2	2.0+3.2+4.0	9.2	3.2+5.0	8.2		
2.0+2.0+3.2+6.0	13.2	2.0+3.2+5.0	10.2	3.2+6.0	9.2		
2.0+2.0+4.0+4.0	12.0	2.0+3.2+6.0	11.2	3.2+7.0	10.2		
2.0+2.0+4.0+5.0	13.0	2.0+3.2+7.0	12.2	4.0+4.0	8.0		
2.0+2.5+2.5+2.5	9.5	2.0+4.0+4.0	10.0	4.0+5.0	9.0		
2.0+2.5+2.5+2.8	9.8	2.0+4.0+5.0	11.0	4.0+6.0	10.0		
2.0+2.5+2.5+3.2	10.2	2.0+4.0+6.0	12.0	4.0+7.0	11.0		
2.0+2.5+2.5+4.0	11.0	2.0+4.0+7.0	13.0	5.0+5.0	10.0		
2.0+2.5+2.5+5.0	12.0	2.0+5.0+5.0	12.0	5.0+6.0	11.0		
2.0+2.5+2.5+6.0	13.0	2.0+5.0+6.0	13.0	5.0+7.0	12.0		
2.0+2.5+2.8+2.8	10.1	2.5+2.5+2.5	7.5	6.0+6.0	12.0		
2.0+2.5+2.8+3.2	10.5	2.5+2.5+2.8	7.8	6.0+7.0	13.0		
2.0+2.5+2.8+4.0	11.3	2.5+2.5+3.2	8.2				
2.0+2.5+2.8+5.0	12.3	2.5+2.5+4.0	9.0				
2.0+2.5+2.8+6.0	13.3	2.5+2.5+5.0	10.0				
2.0+2.5+3.2+3.2	10.9	2.5+2.5+6.0	11.0				
2.0+2.5+3.2+4.0	11.7	2.5+2.5+7.0	12.0				
2.0+2.5+3.2+5.0	12.7	2.5+2.8+2.8	8.1				
2.0+2.5+4.0+4.0	12.5	2.5+2.8+3.2	8.5				
2.0+2.5+4.0+5.0	13.5	2.5+2.8+4.0	9.3				
2.0+2.8+2.8+2.8	10.4	2.5+2.8+5.0	10.3				
2.0+2.8+2.8+3.2	10.8	2.5+2.8+6.0	11.3				
2.0+2.8+2.8+4.0	11.6	2.5+2.8+7.0	12.3				
2.0+2.8+2.8+5.0	12.6	2.5+3.2+3.2	8.9				
2.0+2.8+2.8+6.0	13.6	2.5+3.2+4.0	9.7				
2.0+2.8+3.2+3.2	11.2	2.5+3.2+5.0	10.7				
2.0+2.8+3.2+4.0	12.0	2.5+3.2+6.0	11.7				
2.0+2.8+3.2+5.0	13.0	2.5+3.2+7.0	12.7				
2.0+2.8+4.0+4.0	12.8	2.5+4.0+4.0	10.5				
2.0+3.2+3.2+3.2	11.6	2.5+4.0+5.0	11.5				
2.0+3.2+3.2+4.0	12.4	2.5+4.0+6.0	12.5				
2.0+3.2+3.2+5.0	13.4	2.5+4.0+7.0	13.5				
2.0+3.2+4.0+4.0	13.2	2.5+5.0+5.0	12.5				
2.5+2.5+2.5+2.5	10.0	2.5+5.0+6.0	13.5				
2.5+2.5+2.5+2.8	10.3	2.8+2.8+2.8	8.4				
2.5+2.5+2.5+3.2	10.7	2.8+2.8+3.2	8.8				

4 Room		3 Room		2 Room		1 Room	
Indoor Unit Capacity (kW)	Total Indoor Capacity (kW)	Indoor Unit Capacity (kW)	Total Indoor Capacity (kW)	Indoor Unit Capacity (kW)	Total Indoor Capacity (kW)	Indoor Unit Capacity (kW)	Total Indoor Capacity (kW)
2.5+2.5+2.5+4.0	11.5	2.8+2.8+4.0	9.6				
2.5+2.5+2.5+5.0	12.5	2.8+2.8+5.0	10.6				
2.5+2.5+2.5+6.0	13.5	2.8+2.8+6.0	11.6				
2.5+2.5+2.8+2.8	10.6	2.8+2.8+7.0	12.6				
2.5+2.5+2.8+3.2	11.0	2.8+3.2+3.2	9.2				
2.5+2.5+2.8+4.0	11.8	2.8+3.2+4.0	10.0				
2.5+2.5+2.8+5.0	12.8	2.8+3.2+5.0	11.0				
2.5+2.5+3.2+3.2	11.4	2.8+3.2+6.0	12.0				
2.5+2.5+3.2+4.0	12.2	2.8+3.2+7.0	13.0				
2.5+2.5+3.2+5.0	13.2	2.8+4.0+4.0	10.8				
2.5+2.5+4.0+4.0	13.0	2.8+4.0+5.0	11.8				
2.5+2.8+2.8+2.8	10.9	2.8+4.0+6.0	12.8				
2.5+2.8+2.8+3.2	11.3	2.8+5.0+5.0	12.8				
2.5+2.8+2.8+4.0	12.1	3.2+3.2+3.2	9.6				
2.5+2.8+2.8+5.0	13.1	3.2+3.2+4.0	10.4				
2.5+2.8+3.2+3.2	11.7	3.2+3.2+5.0	11.4				
2.5+2.8+3.2+4.0	12.5	3.2+3.2+6.0	12.4				
2.5+2.8+3.2+5.0	13.5	3.2+3.2+7.0	13.4				
2.5+2.8+4.0+4.0	13.3	3.2+4.0+4.0	11.2				
2.5+3.2+3.2+3.2	12.1	3.2+4.0+5.0	12.2				
2.5+3.2+3.2+4.0	12.9	3.2+4.0+6.0	13.2				
2.8+2.8+2.8+2.8	11.2	3.2+5.0+5.0	13.2				
2.8+2.8+2.8+3.2	11.6	4.0+4.0+4.0	12.0				
2.8+2.8+2.8+4.0	12.4	4.0+4.0+5.0	13.0				
2.8+2.8+2.8+5.0	13.4						
2.8+2.8+3.2+3.2	12.0						
2.8+2.8+3.2+4.0	12.8						
2.8+2.8+4.0+4.0	13.6						
2.8+3.2+3.2+3.2	12.4						
2.8+3.2+3.2+4.0	13.2						
3.2+3.2+3.2+3.2	12.8						
3.2+3.2+3.2+4.0	13.6						

- Indoor Unit : CS-E7/9/12/15/18/21/24PKEW, CS-E9/12/18GFEW, CS-ME9/12/18/21PB4EA, CS-ME9/12/18PD3EA
- Outdoor Unit : CU-5E34PBE

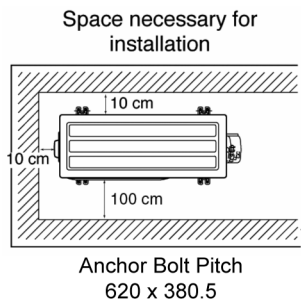
5 Room		4 Room		3 Room		2 Room		1 Room	
Indoor Unit Capacity (kW)	Total Indoor Capacity (kW)	Indoor Unit Capacity (kW)	Total Indoor Capacity (kW)	Indoor Unit Capacity (kW)	Total Indoor Capacity (kW)	Indoor Unit Capacity (kW)	Total Indoor Capacity (kW)	Indoor Unit Capacity (kW)	Total Indoor Capacity (kW)
2.0+2.0+2.0+2.0+2.0	10.0	2.0+2.0+2.0+2.0	8.0	2.0+2.0+2.0	6.0	2.0+2.5	4.5	2.0	2.0
2.0+2.0+2.0+2.0+2.5	10.5	2.0+2.0+2.0+2.5	8.5	2.0+2.0+2.5	6.5	2.0+2.8	4.8	2.5	2.5
2.0+2.0+2.0+2.0+2.8	10.8	2.0+2.0+2.0+2.8	8.8	2.0+2.0+2.8	6.8	2.0+3.2	5.2	2.8	2.8
2.0+2.0+2.0+2.0+3.2	11.2	2.0+2.0+2.0+3.2	9.2	2.0+2.0+3.2	7.2	2.0+4.0	6.0	3.2	3.2
2.0+2.0+2.0+2.0+4.0	12.0	2.0+2.0+2.0+4.0	10.0	2.0+2.0+4.0	8.0	2.0+5.0	7.0	4.0	4.0
2.0+2.0+2.0+2.0+5.0	13.0	2.0+2.0+2.0+5.0	11.0	2.0+2.0+5.0	9.0	2.0+6.0	8.0	5.0	5.0
2.0+2.0+2.0+2.0+6.0	14.0	2.0+2.0+2.0+6.0	12.0	2.0+2.0+6.0	10.0	2.0+7.0	9.0	6.0	6.0
2.0+2.0+2.0+2.0+7.0	15.0	2.0+2.0+2.0+7.0	13.0	2.0+2.0+7.0	11.0	2.5+2.5	5.0	7.0	7.0
2.0+2.0+2.0+2.5+2.5	11.0	2.0+2.0+2.5+2.5	9.0	2.0+2.5+2.5	7.0	2.5+2.8	5.3		
2.0+2.0+2.0+2.5+2.8	11.3	2.0+2.0+2.5+2.8	9.3	2.0+2.5+2.8	7.3	2.5+3.2	5.7		
2.0+2.0+2.0+2.5+3.2	11.7	2.0+2.0+2.5+3.2	9.7	2.0+2.5+3.2	7.7	2.5+4.0	6.5		
2.0+2.0+2.0+2.5+4.0	12.5	2.0+2.0+2.5+4.0	10.5	2.0+2.5+4.0	8.5	2.5+5.0	7.5		
2.0+2.0+2.0+2.5+5.0	13.5	2.0+2.0+2.5+5.0	11.5	2.0+2.5+5.0	9.5	2.5+6.0	8.5		
2.0+2.0+2.0+2.5+6.0	14.5	2.0+2.0+2.5+6.0	12.5	2.0+2.5+6.0	10.5	2.5+7.0	9.5		
2.0+2.0+2.0+2.5+7.0	15.5	2.0+2.0+2.5+7.0	13.5	2.0+2.5+7.0	11.5	2.8+2.8	5.6		
2.0+2.0+2.0+2.8+2.8	11.6	2.0+2.0+2.8+2.8	9.6	2.0+2.8+2.8	7.6	2.8+3.2	6.0		
2.0+2.0+2.0+2.8+3.2	12.0	2.0+2.0+2.8+3.2	10.0	2.0+2.8+3.2	8.0	2.8+4.0	6.8		
2.0+2.0+2.0+2.8+4.0	12.8	2.0+2.0+2.8+4.0	10.8	2.0+2.8+4.0	8.8	2.8+5.0	7.8		
2.0+2.0+2.0+2.8+5.0	13.8	2.0+2.0+2.8+5.0	11.8	2.0+2.8+5.0	9.8	2.8+6.0	8.8		
2.0+2.0+2.0+2.8+6.0	14.8	2.0+2.0+2.8+6.0	12.8	2.0+2.8+6.0	10.8	2.8+7.0	9.8		
2.0+2.0+2.0+2.8+7.0	15.8	2.0+2.0+2.8+7.0	13.8	2.0+2.8+7.0	11.8	3.2+3.2	6.4		
2.0+2.0+2.0+3.2+3.2	12.4	2.0+2.0+3.2+3.2	10.4	2.0+3.2+3.2	8.4	3.2+4.0	7.2		
2.0+2.0+2.0+3.2+4.0	13.2	2.0+2.0+3.2+4.0	11.2	2.0+3.2+4.0	9.2	3.2+5.0	8.2		
2.0+2.0+2.0+3.2+5.0	14.2	2.0+2.0+3.2+5.0	12.2	2.0+3.2+5.0	10.2	3.2+6.0	9.2		
2.0+2.0+2.0+3.2+6.0	15.2	2.0+2.0+3.2+6.0	13.2	2.0+3.2+6.0	11.2	3.2+7.0	10.2		
2.0+2.0+2.0+3.2+7.0	16.2	2.0+2.0+3.2+7.0	14.2	2.0+3.2+7.0	12.2	4.0+4.0	8.0		
2.0+2.0+2.0+4.0+4.0	14.0	2.0+2.0+4.0+4.0	12.0	2.0+4.0+4.0	10.0	4.0+5.0	9.0		
2.0+2.0+2.0+4.0+5.0	15.0	2.0+2.0+4.0+5.0	13.0	2.0+4.0+5.0	11.0	4.0+6.0	10.0		
2.0+2.0+2.0+4.0+6.0	16.0	2.0+2.0+4.0+6.0	14.0	2.0+4.0+6.0	12.0	4.0+7.0	11.0		
2.0+2.0+2.0+4.0+7.0	17.0	2.0+2.0+4.0+7.0	15.0	2.0+4.0+7.0	13.0	5.0+5.0	10.0		
2.0+2.0+2.0+5.0+5.0	16.0	2.0+2.0+5.0+5.0	14.0	2.0+5.0+5.0	12.0	5.0+6.0	11.0		
2.0+2.0+2.0+5.0+6.0	17.0	2.0+2.0+5.0+6.0	15.0	2.0+5.0+6.0	13.0	5.0+7.0	12.0		
2.0+2.0+2.5+2.5+2.5	11.5	2.0+2.0+5.0+7.0	16.0	2.0+5.0+7.0	14.0	6.0+6.0	12.0		
2.0+2.0+2.5+2.5+2.8	11.8	2.0+2.0+6.0+6.0	16.0	2.0+6.0+6.0	14.0	6.0+7.0	13.0		
2.0+2.0+2.5+2.5+3.2	12.2	2.0+2.0+6.0+7.0	17.0	2.0+6.0+7.0	15.0	7.0+7.0	14.0		
2.0+2.0+2.5+2.5+4.0	13.0	2.0+2.5+2.5+2.5	9.5	2.0+7.0+7.0	16.0				
2.0+2.0+2.5+2.5+5.0	14.0	2.0+2.5+2.5+2.8	9.8	2.5+2.5+2.5	7.5				
2.0+2.0+2.5+2.5+6.0	15.0	2.0+2.5+2.5+3.2	10.2	2.5+2.5+2.8	7.8				
2.0+2.0+2.5+2.5+7.0	16.0	2.0+2.5+2.5+4.0	11.0	2.5+2.5+3.2	8.2				
2.0+2.0+2.5+2.8+2.8	12.1	2.0+2.5+2.5+5.0	12.0	2.5+2.5+4.0	9.0				
2.0+2.0+2.5+2.8+3.2	12.5	2.0+2.5+2.5+6.0	13.0	2.5+2.5+5.0	10.0				
2.0+2.0+2.5+2.8+4.0	13.3	2.0+2.5+2.5+7.0	14.0	2.5+2.5+6.0	11.0				
2.0+2.0+2.5+2.8+5.0	14.3	2.0+2.5+2.8+2.8	10.1	2.5+2.5+7.0	12.0				
2.0+2.0+2.5+2.8+6.0	15.3	2.0+2.5+2.8+3.2	10.5	2.5+2.8+2.8	8.1				
2.0+2.0+2.5+2.8+7.0	16.3	2.0+2.5+2.8+4.0	11.3	2.5+2.8+3.2	8.5				
2.0+2.0+2.5+3.2+3.2	12.9	2.0+2.5+2.8+5.0	12.3	2.5+2.8+4.0	9.3				
2.0+2.0+2.5+3.2+4.0	13.7	2.0+2.5+2.8+6.0	13.3	2.5+2.8+5.0	10.3				
2.0+2.0+2.5+3.2+5.0	14.7	2.0+2.5+2.8+7.0	14.3	2.5+2.8+6.0	11.3				
2.0+2.0+2.5+3.2+6.0	15.7	2.0+2.5+3.2+3.2	10.9	2.5+2.8+7.0	12.3				
2.0+2.0+2.5+3.2+7.0	16.7	2.0+2.5+3.2+4.0	11.7	2.5+3.2+3.2	8.9				
2.0+2.0+2.5+4.0+4.0	14.5	2.0+2.5+3.2+5.0	12.7	2.5+3.2+4.0	9.7				
2.0+2.0+2.5+4.0+5.0	15.5	2.0+2.5+3.2+6.0	13.7	2.5+3.2+5.0	10.7				
2.0+2.0+2.5+4.0+6.0	16.5	2.0+2.5+3.2+7.0	14.7	2.5+3.2+6.0	11.7				
2.0+2.0+2.5+4.0+7.0	17.5	2.0+2.5+4.0+4.0	12.5	2.5+3.2+7.0	12.7				
2.0+2.0+2.5+5.0+5.0	16.5	2.0+2.5+4.0+5.0	13.5	2.5+4.0+4.0	10.5				
2.0+2.0+2.5+5.0+6.0	17.5	2.0+2.5+4.0+6.0	14.5	2.5+4.0+5.0	11.5				
2.0+2.0+2.8+2.8+2.8	12.4	2.0+2.5+4.0+7.0	15.5	2.5+4.0+6.0	12.5				

5 Room		4 Room		3 Room		2 Room		1 Room	
Indoor Unit Capacity (kW)	Total Indoor Capacity (kW)	Indoor Unit Capacity (kW)	Total Indoor Capacity (kW)	Indoor Unit Capacity (kW)	Indoor Unit Capacity (kW)	Total Indoor Capacity (kW)	Indoor Unit Capacity (kW)	Total Indoor Capacity (kW)	Indoor Unit Capacity (kW)
2.0+2.0+2.8+2.8+3.2	12.8	2.0+2.5+5.0+5.0	14.5	2.5+4.0+7.0	13.5				
2.0+2.0+2.8+2.8+4.0	13.6	2.0+2.5+5.0+6.0	15.5	2.5+5.0+5.0	12.5				
2.0+2.0+2.8+2.8+5.0	14.6	2.0+2.5+5.0+7.0	16.5	2.5+5.0+6.0	13.5				
2.0+2.0+2.8+2.8+6.0	15.6	2.0+2.5+6.0+6.0	16.5	2.5+5.0+7.0	14.5				
2.0+2.0+2.8+2.8+7.0	16.6	2.0+2.5+6.0+7.0	17.5	2.5+6.0+6.0	14.5				
2.0+2.0+2.8+3.2+3.2	13.2	2.0+2.8+2.8+2.8	10.4	2.5+6.0+7.0	15.5				
2.0+2.0+2.8+3.2+4.0	14.0	2.0+2.8+2.8+3.2	10.8	2.5+7.0+7.0	16.5				
2.0+2.0+2.8+3.2+5.0	15.0	2.0+2.8+2.8+4.0	11.6	2.8+2.8+2.8	8.4				
2.0+2.0+2.8+3.2+6.0	16.0	2.0+2.8+2.8+5.0	12.6	2.8+2.8+3.2	8.8				
2.0+2.0+2.8+3.2+7.0	17.0	2.0+2.8+2.8+6.0	13.6	2.8+2.8+4.0	9.6				
2.0+2.0+2.8+4.0+4.0	14.8	2.0+2.8+2.8+7.0	14.6	2.8+2.8+5.0	10.6				
2.0+2.0+2.8+4.0+5.0	15.8	2.0+2.8+3.2+3.2	11.2	2.8+2.8+6.0	11.6				
2.0+2.0+2.8+4.0+6.0	16.8	2.0+2.8+3.2+4.0	12.0	2.8+2.8+7.0	12.6				
2.0+2.0+2.8+5.0+5.0	16.8	2.0+2.8+3.2+5.0	13.0	2.8+3.2+3.2	9.2				
2.0+2.0+3.2+3.2+3.2	13.6	2.0+2.8+3.2+6.0	14.0	2.8+3.2+4.0	10.0				
2.0+2.0+3.2+3.2+4.0	14.4	2.0+2.8+3.2+7.0	15.0	2.8+3.2+5.0	11.0				
2.0+2.0+3.2+3.2+5.0	15.4	2.0+2.8+4.0+4.0	12.8	2.8+3.2+6.0	12.0				
2.0+2.0+3.2+3.2+6.0	16.4	2.0+2.8+4.0+5.0	13.8	2.8+3.2+7.0	13.0				
2.0+2.0+3.2+3.2+7.0	17.4	2.0+2.8+4.0+6.0	14.8	2.8+4.0+4.0	10.8				
2.0+2.0+3.2+4.0+4.0	15.2	2.0+2.8+4.0+7.0	15.8	2.8+4.0+5.0	11.8				
2.0+2.0+3.2+4.0+5.0	16.2	2.0+2.8+5.0+5.0	14.8	2.8+4.0+6.0	12.8				
2.0+2.0+3.2+4.0+6.0	17.2	2.0+2.8+5.0+6.0	15.8	2.8+4.0+7.0	13.8				
2.0+2.0+3.2+5.0+5.0	17.2	2.0+2.8+5.0+7.0	16.8	2.8+5.0+5.0	12.8				
2.0+2.0+4.0+4.0+4.0	16.0	2.0+2.8+6.0+6.0	16.8	2.8+5.0+6.0	13.8				
2.0+2.0+4.0+4.0+5.0	17.0	2.0+3.2+3.2+3.2	11.6	2.8+5.0+7.0	14.8				
2.0+2.5+2.5+2.5+2.5	12.0	2.0+3.2+3.2+4.0	12.4	2.8+6.0+6.0	14.8				
2.0+2.5+2.5+2.5+2.8	12.3	2.0+3.2+3.2+5.0	13.4	2.8+6.0+7.0	15.8				
2.0+2.5+2.5+2.5+3.2	12.7	2.0+3.2+3.2+6.0	14.4	2.8+7.0+7.0	16.8				
2.0+2.5+2.5+2.5+4.0	13.5	2.0+3.2+3.2+7.0	15.4	3.2+3.2+3.2	9.6				
2.0+2.5+2.5+2.5+5.0	14.5	2.0+3.2+4.0+4.0	13.2	3.2+3.2+4.0	10.4				
2.0+2.5+2.5+2.5+6.0	15.5	2.0+3.2+4.0+5.0	14.2	3.2+3.2+5.0	11.4				
2.0+2.5+2.5+2.5+7.0	16.5	2.0+3.2+4.0+6.0	15.2	3.2+3.2+6.0	12.4				
2.0+2.5+2.5+2.8+2.8	12.6	2.0+3.2+4.0+7.0	16.2	3.2+3.2+7.0	13.4				
2.0+2.5+2.5+2.8+3.2	13.0	2.0+3.2+5.0+5.0	15.2	3.2+4.0+4.0	11.2				
2.0+2.5+2.5+2.8+4.0	13.8	2.0+3.2+5.0+6.0	16.2	3.2+4.0+5.0	12.2				
2.0+2.5+2.5+2.8+5.0	14.8	2.0+3.2+5.0+7.0	17.2	3.2+4.0+6.0	13.2				
2.0+2.5+2.5+2.8+6.0	15.8	2.0+3.2+6.0+6.0	17.2	3.2+4.0+7.0	14.2				
2.0+2.5+2.5+2.8+7.0	16.8	2.0+4.0+4.0+4.0	14.0	3.2+5.0+5.0	13.2				
2.0+2.5+2.5+3.2+3.2	13.4	2.0+4.0+4.0+5.0	15.0	3.2+5.0+6.0	14.2				
2.0+2.5+2.5+3.2+4.0	14.2	2.0+4.0+4.0+6.0	16.0	3.2+5.0+7.0	15.2				
2.0+2.5+2.5+3.2+5.0	15.2	2.0+4.0+4.0+7.0	17.0	3.2+6.0+6.0	15.2				
2.0+2.5+2.5+3.2+6.0	16.2	2.0+4.0+5.0+5.0	16.0	3.2+6.0+7.0	16.2				
2.0+2.5+2.5+3.2+7.0	17.2	2.0+4.0+5.0+6.0	17.0	3.2+7.0+7.0	17.2				
2.0+2.5+2.5+4.0+4.0	15.0	2.0+5.0+5.0+5.0	17.0	4.0+4.0+4.0	12.0				
2.0+2.5+2.5+4.0+5.0	16.0	2.5+2.5+2.5+2.5	10.0	4.0+4.0+5.0	13.0				
2.0+2.5+2.5+4.0+6.0	17.0	2.5+2.5+2.5+2.8	10.3	4.0+4.0+6.0	14.0				
2.0+2.5+2.5+5.0+5.0	17.0	2.5+2.5+2.5+3.2	10.7	4.0+4.0+7.0	15.0				
2.0+2.5+2.8+2.8+2.8	12.9	2.5+2.5+2.5+4.0	11.5	4.0+5.0+5.0	14.0				
2.0+2.5+2.8+2.8+3.2	13.3	2.5+2.5+2.5+5.0	12.5	4.0+5.0+6.0	15.0				
2.0+2.5+2.8+2.8+4.0	14.1	2.5+2.5+2.5+6.0	13.5	4.0+5.0+7.0	16.0				
2.0+2.5+2.8+2.8+5.0	15.1	2.5+2.5+2.5+7.0	14.5	4.0+6.0+6.0	16.0				
2.0+2.5+2.8+2.8+6.0	16.1	2.5+2.5+2.8+2.8	10.6	4.0+6.0+7.0	17.0				
2.0+2.5+2.8+2.8+7.0	17.1	2.5+2.5+2.8+3.2	11.0	5.0+5.0+5.0	15.0				
2.0+2.5+2.8+3.2+3.2	13.7	2.5+2.5+2.8+4.0	11.8	5.0+5.0+6.0	16.0				
2.0+2.5+2.8+3.2+4.0	14.5	2.5+2.5+2.8+5.0	12.8	5.0+5.0+7.0	17.0				
2.0+2.5+2.8+3.2+5.0	15.5	2.5+2.5+2.8+6.0	13.8	5.0+6.0+6.0	17.0				
2.0+2.5+2.8+3.2+6.0	16.5	2.5+2.5+2.8+7.0	14.8						
2.0+2.5+2.8+3.2+7.0	17.5	2.5+2.5+3.2+3.2	11.4						
2.0+2.5+2.8+4.0+4.0	15.3	2.5+2.5+3.2+4.0	12.2						
2.0+2.5+2.8+4.0+5.0	16.3	2.5+2.5+3.2+5.0	13.2						
2.0+2.5+2.8+4.0+6.0	17.3	2.5+2.5+3.2+6.0	14.2						

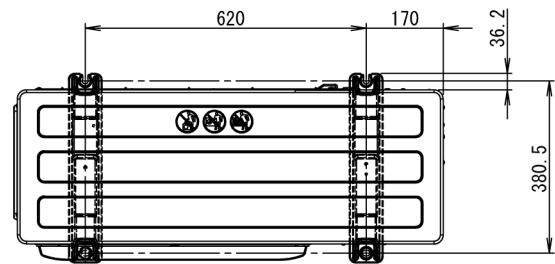
5 Room		4 Room		3 Room		2 Room		1 Room	
Indoor Unit Capacity (kW)	Total Indoor Capacity (kW)	Indoor Unit Capacity (kW)	Total Indoor Capacity (kW)	Indoor Unit Capacity (kW)	Indoor Unit Capacity (kW)	Total Indoor Capacity (kW)	Indoor Unit Capacity (kW)	Total Indoor Capacity (kW)	Indoor Unit Capacity (kW)
2.0+2.5+2.8+5.0+5.0	17.3	2.5+2.5+3.2+7.0	15.2						
2.0+2.5+3.2+3.2+3.2	14.1	2.5+2.5+4.0+4.0	13.0						
2.0+2.5+3.2+3.2+4.0	14.9	2.5+2.5+4.0+5.0	14.0						
2.0+2.5+3.2+3.2+5.0	15.9	2.5+2.5+4.0+6.0	15.0						
2.0+2.5+3.2+3.2+6.0	16.9	2.5+2.5+4.0+7.0	16.0						
2.0+2.5+3.2+4.0+4.0	15.7	2.5+2.5+5.0+5.0	15.0						
2.0+2.5+3.2+4.0+5.0	16.7	2.5+2.5+5.0+6.0	16.0						
2.0+2.5+4.0+4.0+4.0	16.5	2.5+2.5+5.0+7.0	17.0						
2.0+2.5+4.0+4.0+5.0	17.5	2.5+2.5+6.0+6.0	17.0						
2.0+2.8+2.8+2.8+2.8	13.2	2.5+2.8+2.8+2.8	10.9						
2.0+2.8+2.8+2.8+3.2	13.6	2.5+2.8+2.8+3.2	11.3						
2.0+2.8+2.8+2.8+4.0	14.4	2.5+2.8+2.8+4.0	12.1						
2.0+2.8+2.8+2.8+5.0	15.4	2.5+2.8+2.8+5.0	13.1						
2.0+2.8+2.8+2.8+6.0	16.4	2.5+2.8+2.8+6.0	14.1						
2.0+2.8+2.8+2.8+7.0	17.4	2.5+2.8+2.8+7.0	15.1						
2.0+2.8+2.8+3.2+3.2	14.0	2.5+2.8+3.2+3.2	11.7						
2.0+2.8+2.8+3.2+4.0	14.8	2.5+2.8+3.2+4.0	12.5						
2.0+2.8+2.8+3.2+5.0	15.8	2.5+2.8+3.2+5.0	13.5						
2.0+2.8+2.8+3.2+6.0	16.8	2.5+2.8+3.2+6.0	14.5						
2.0+2.8+2.8+4.0+4.0	15.6	2.5+2.8+3.2+7.0	15.5						
2.0+2.8+2.8+4.0+5.0	16.6	2.5+2.8+4.0+4.0	13.3						
2.0+2.8+3.2+3.2+3.2	14.4	2.5+2.8+4.0+5.0	14.3						
2.0+2.8+3.2+3.2+4.0	15.2	2.5+2.8+4.0+6.0	15.3						
2.0+2.8+3.2+3.2+5.0	16.2	2.5+2.8+4.0+7.0	16.3						
2.0+2.8+3.2+3.2+6.0	17.2	2.5+2.8+5.0+5.0	15.3						
2.0+2.8+3.2+4.0+4.0	16.0	2.5+2.8+5.0+6.0	16.3						
2.0+2.8+3.2+4.0+5.0	17.0	2.5+2.8+5.0+7.0	17.3						
2.0+2.8+4.0+4.0+4.0	16.8	2.5+2.8+6.0+6.0	17.3						
2.0+3.2+3.2+3.2+3.2	14.8	2.5+3.2+3.2+3.2	12.1						
2.0+3.2+3.2+3.2+4.0	15.6	2.5+3.2+3.2+4.0	12.9						
2.0+3.2+3.2+3.2+5.0	16.6	2.5+3.2+3.2+5.0	13.9						
2.0+3.2+3.2+4.0+4.0	16.4	2.5+3.2+3.2+6.0	14.9						
2.0+3.2+3.2+4.0+5.0	17.4	2.5+3.2+3.2+7.0	15.9						
2.0+3.2+4.0+4.0+4.0	17.2	2.5+3.2+4.0+4.0	13.7						
2.5+2.5+2.5+2.5+2.5	12.5	2.5+3.2+4.0+5.0	14.7						
2.5+2.5+2.5+2.5+2.8	12.8	2.5+3.2+4.0+6.0	15.7						
2.5+2.5+2.5+2.5+3.2	13.2	2.5+3.2+4.0+7.0	16.7						
2.5+2.5+2.5+2.5+4.0	14.0	2.5+3.2+5.0+5.0	15.7						
2.5+2.5+2.5+2.5+5.0	15.0	2.5+3.2+5.0+6.0	16.7						
2.5+2.5+2.5+2.5+6.0	16.0	2.5+4.0+4.0+4.0	14.5						
2.5+2.5+2.5+2.5+7.0	17.0	2.5+4.0+4.0+5.0	15.5						
2.5+2.5+2.5+2.8+2.8	13.1	2.5+4.0+4.0+6.0	16.5						
2.5+2.5+2.5+2.8+3.2	13.5	2.5+4.0+4.0+7.0	17.5						
2.5+2.5+2.5+2.8+4.0	14.3	2.5+4.0+5.0+5.0	16.5						
2.5+2.5+2.5+2.8+5.0	15.3	2.5+4.0+5.0+6.0	17.5						
2.5+2.5+2.5+2.8+6.0	16.3	2.5+5.0+5.0+5.0	17.5						
2.5+2.5+2.5+2.8+7.0	17.3	2.8+2.8+2.8+2.8	11.2						
2.5+2.5+2.5+3.2+3.2	13.9	2.8+2.8+2.8+3.2	11.6						
2.5+2.5+2.5+3.2+4.0	14.7	2.8+2.8+2.8+4.0	12.4						
2.5+2.5+2.5+3.2+5.0	15.7	2.8+2.8+2.8+5.0	13.4						
2.5+2.5+2.5+3.2+6.0	16.7	2.8+2.8+2.8+6.0	14.4						
2.5+2.5+2.5+4.0+4.0	15.5	2.8+2.8+2.8+7.0	15.4						
2.5+2.5+2.5+4.0+5.0	16.5	2.8+2.8+3.2+3.2	12.0						
2.5+2.5+2.5+4.0+6.0	17.5	2.8+2.8+3.2+4.0	12.8						
2.5+2.5+2.5+5.0+5.0	17.5	2.8+2.8+3.2+5.0	13.8						
2.5+2.5+2.8+2.8+2.8	13.4	2.8+2.8+3.2+6.0	14.8						
2.5+2.5+2.8+2.8+3.2	13.8	2.8+2.8+3.2+7.0	15.8						
2.5+2.5+2.8+2.8+4.0	14.6	2.8+2.8+4.0+4.0	13.6						
2.5+2.5+2.8+2.8+5.0	15.6	2.8+2.8+4.0+5.0	14.6						
2.5+2.5+2.8+2.8+6.0	16.6	2.8+2.8+4.0+6.0	15.6						
2.5+2.5+2.8+3.2+3.2	14.2	2.8+2.8+4.0+7.0	16.6						

5 Room		4 Room		3 Room		2 Room		1 Room	
Indoor Unit Capacity (kW)	Total Indoor Capacity (kW)	Indoor Unit Capacity (kW)	Total Indoor Capacity (kW)	Indoor Unit Capacity (kW)	Indoor Unit Capacity (kW)	Total Indoor Capacity (kW)	Indoor Unit Capacity (kW)	Total Indoor Capacity (kW)	Indoor Unit Capacity (kW)
2.5+2.5+2.8+3.2+4.0	15.0	2.8+2.8+5.0+5.0	15.6						
2.5+2.5+2.8+3.2+5.0	16.0	2.8+2.8+5.0+6.0	16.6						
2.5+2.5+2.8+3.2+6.0	17.0	2.8+3.2+3.2+3.2	12.4						
2.5+2.5+2.8+4.0+4.0	15.8	2.8+3.2+3.2+4.0	13.2						
2.5+2.5+2.8+4.0+5.0	16.8	2.8+3.2+3.2+5.0	14.2						
2.5+2.5+3.2+3.2+3.2	14.6	2.8+3.2+3.2+6.0	15.2						
2.5+2.5+3.2+3.2+4.0	15.4	2.8+3.2+3.2+7.0	16.2						
2.5+2.5+3.2+3.2+5.0	16.4	2.8+3.2+4.0+4.0	14.0						
2.5+2.5+3.2+3.2+6.0	17.4	2.8+3.2+4.0+5.0	15.0						
2.5+2.5+3.2+4.0+4.0	16.2	2.8+3.2+4.0+6.0	16.0						
2.5+2.5+3.2+4.0+5.0	17.2	2.8+3.2+4.0+7.0	17.0						
2.5+2.5+4.0+4.0+4.0	17.0	2.8+3.2+5.0+5.0	16.0						
2.5+2.8+2.8+2.8+2.8	13.7	2.8+3.2+5.0+6.0	17.0						
2.5+2.8+2.8+2.8+3.2	14.1	2.8+4.0+4.0+4.0	14.8						
2.5+2.8+2.8+2.8+4.0	14.9	2.8+4.0+4.0+5.0	15.8						
2.5+2.8+2.8+2.8+5.0	15.9	2.8+4.0+4.0+6.0	16.8						
2.5+2.8+2.8+2.8+6.0	16.9	2.8+4.0+5.0+5.0	16.8						
2.5+2.8+2.8+3.2+3.2	14.5	3.2+3.2+3.2+3.2	12.8						
2.5+2.8+2.8+3.2+4.0	15.3	3.2+3.2+3.2+4.0	13.6						
2.5+2.8+2.8+3.2+5.0	16.3	3.2+3.2+3.2+5.0	14.6						
2.5+2.8+2.8+3.2+6.0	17.3	3.2+3.2+3.2+6.0	15.6						
2.5+2.8+2.8+4.0+4.0	16.1	3.2+3.2+3.2+7.0	16.6						
2.5+2.8+2.8+4.0+5.0	17.1	3.2+3.2+4.0+4.0	14.4						
2.5+2.8+3.2+3.2+3.2	14.9	3.2+3.2+4.0+5.0	15.4						
2.5+2.8+3.2+3.2+4.0	15.7	3.2+3.2+4.0+6.0	16.4						
2.5+2.8+3.2+3.2+5.0	16.7	3.2+3.2+4.0+7.0	17.4						
2.5+2.8+3.2+4.0+4.0	16.5	3.2+3.2+5.0+5.0	16.4						
2.5+2.8+3.2+4.0+5.0	17.5	3.2+3.2+5.0+6.0	17.4						
2.5+2.8+4.0+4.0+4.0	17.3	3.2+4.0+4.0+4.0	15.2						
2.5+3.2+3.2+3.2+3.2	15.3	3.2+4.0+4.0+5.0	16.2						
2.5+3.2+3.2+3.2+4.0	16.1	3.2+4.0+4.0+6.0	17.2						
2.5+3.2+3.2+3.2+5.0	17.1	3.2+4.0+5.0+5.0	17.2						
2.5+3.2+3.2+4.0+4.0	16.9	4.0+4.0+4.0+4.0	16.0						
2.8+2.8+2.8+2.8+2.8	14.0	4.0+4.0+4.0+5.0	17.0						
2.8+2.8+2.8+2.8+3.2	14.4								
2.8+2.8+2.8+2.8+4.0	15.2								
2.8+2.8+2.8+2.8+5.0	16.2								
2.8+2.8+2.8+2.8+6.0	17.2								
2.8+2.8+2.8+3.2+3.2	14.8								
2.8+2.8+2.8+3.2+4.0	15.6								
2.8+2.8+2.8+3.2+5.0	16.6								
2.8+2.8+2.8+4.0+4.0	16.4								
2.8+2.8+2.8+4.0+5.0	17.4								
2.8+2.8+3.2+3.2+3.2	15.2								
2.8+2.8+3.2+3.2+4.0	16.0								
2.8+2.8+3.2+3.2+5.0	17.0								
2.8+2.8+3.2+4.0+4.0	16.8								
2.8+3.2+3.2+3.2+3.2	15.6								
2.8+3.2+3.2+3.2+4.0	16.4								
2.8+3.2+3.2+3.2+5.0	17.4								
2.8+3.2+3.2+4.0+4.0	17.2								
3.2+3.2+3.2+3.2+3.2	16.0								
3.2+3.2+3.2+3.2+4.0	16.8								

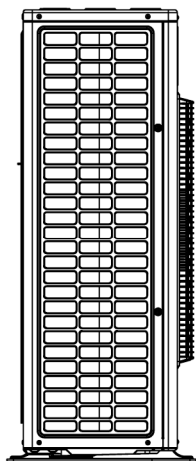
3. Dimensions



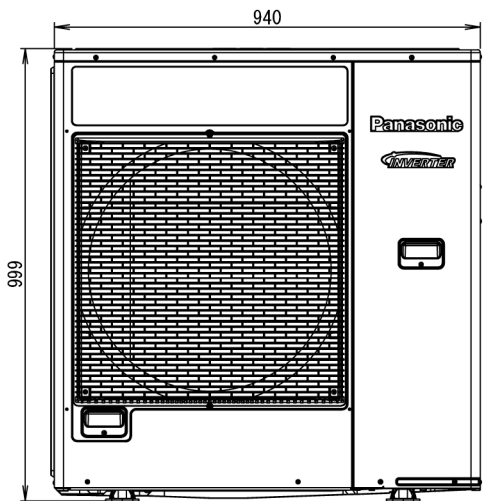
<Top View>



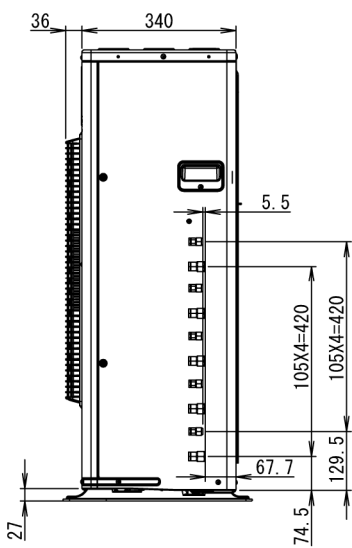
<Side View>



<Front View>



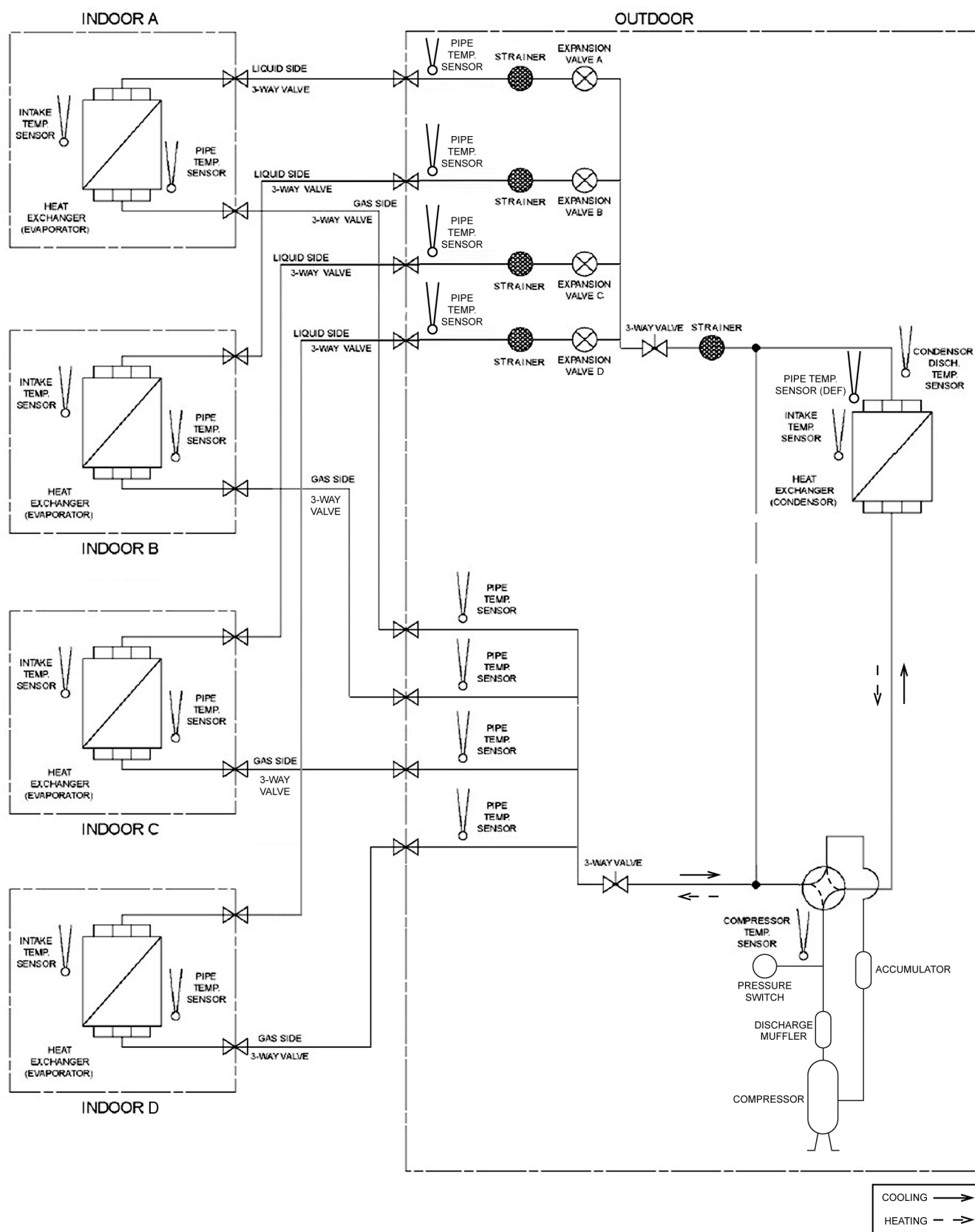
<Side View>



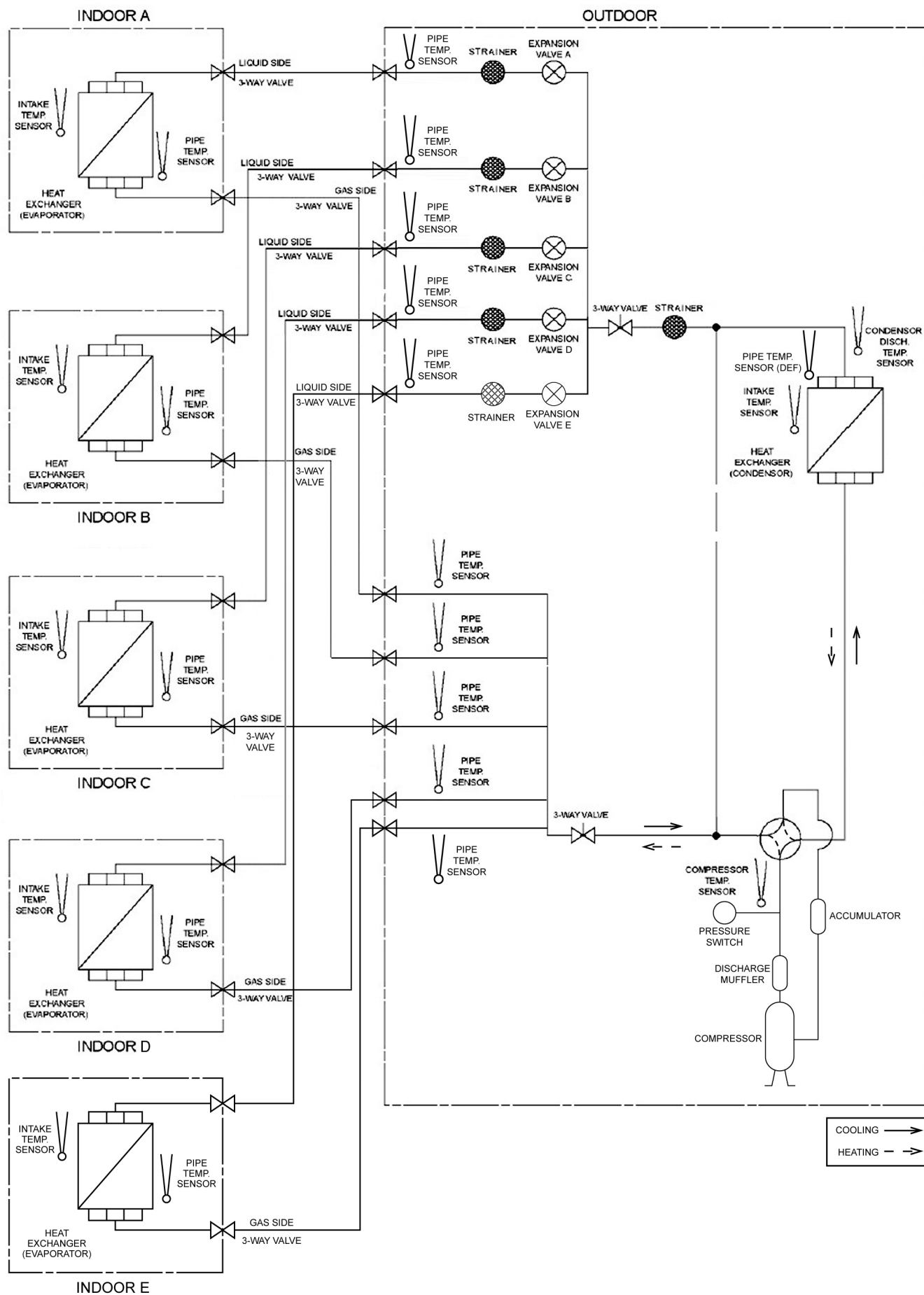
Unit: mm

4. Refrigeration Cycle Diagram

4.1 CU-4E27PBE

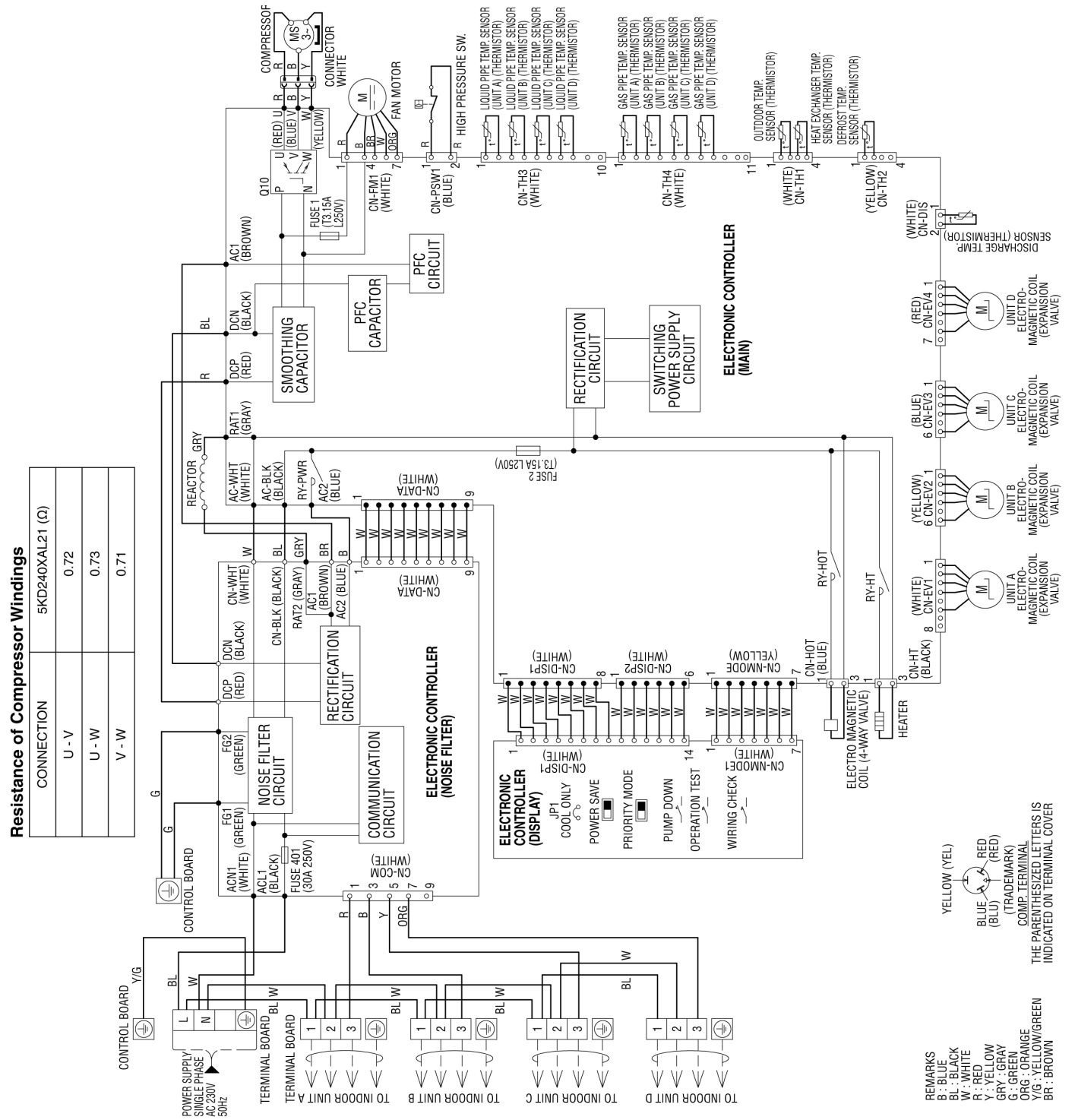


4.2 CU-5E34PBE



6. Wiring Connection Diagram

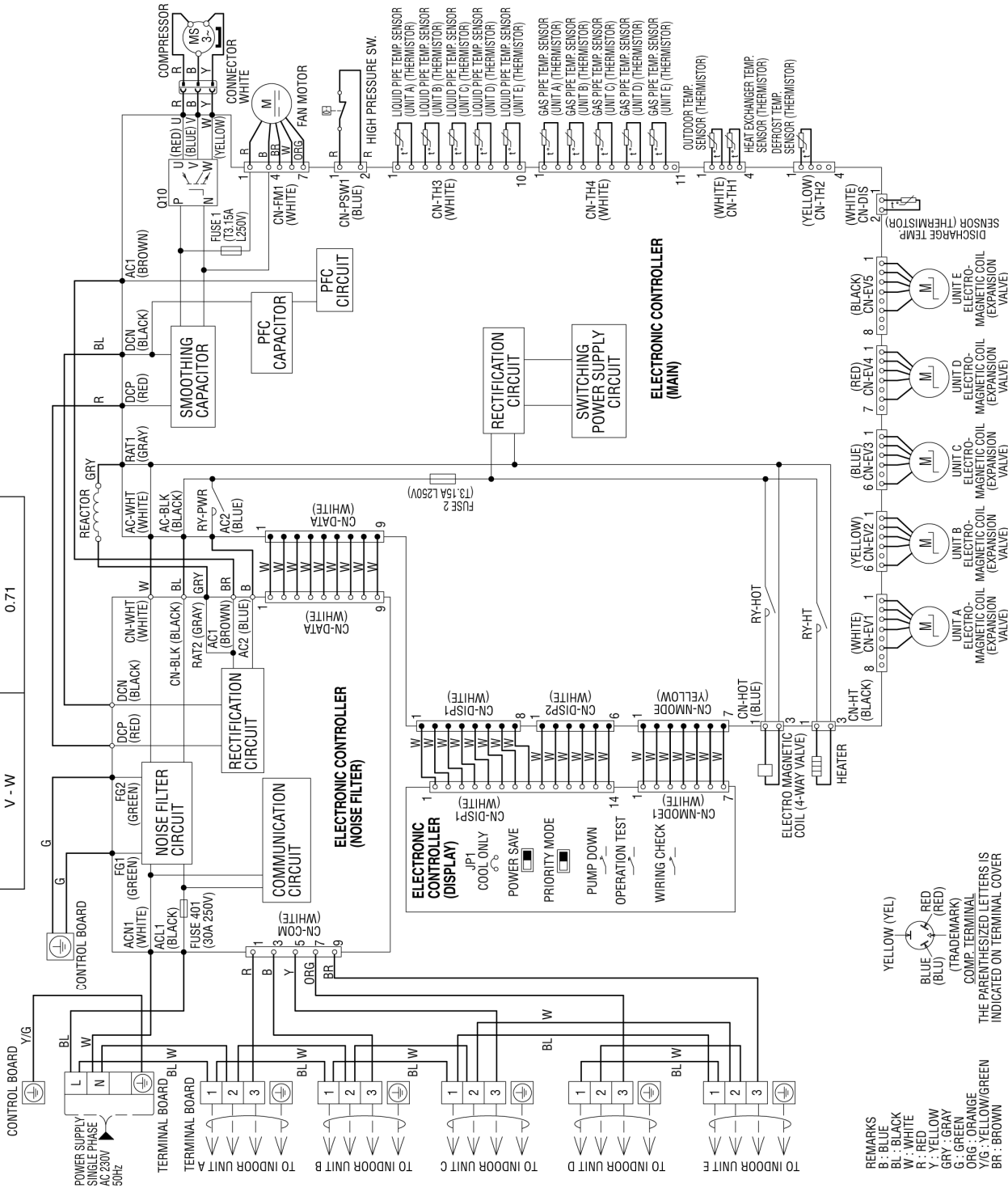
6.1 CU-4E27PBE



6.2 CU-5E34PBE

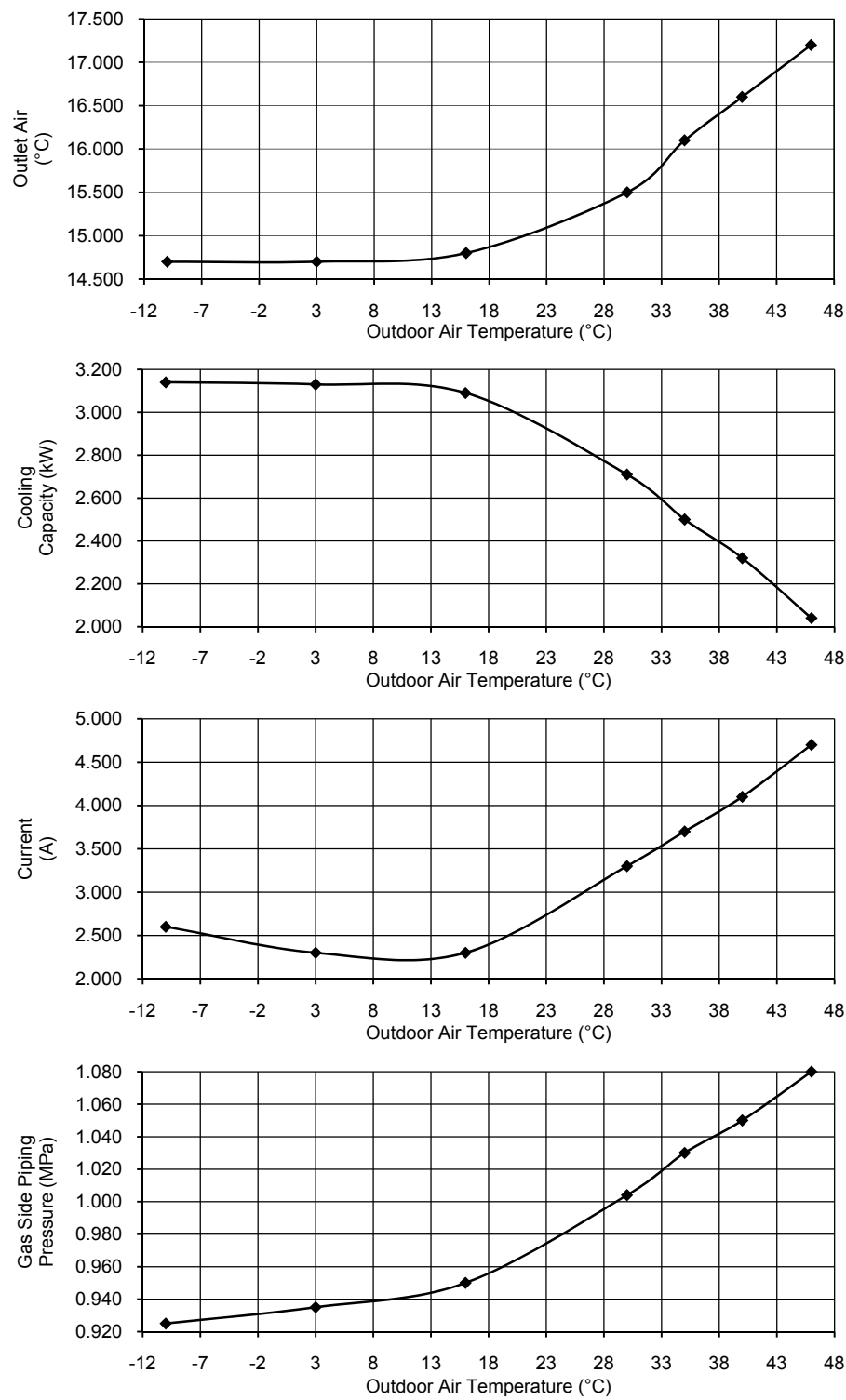
Resistance of Compressor Windings

CONNECTION	5KD240XAL21 (Ω)
U - V	0.72
U - W	0.73
V - W	0.71



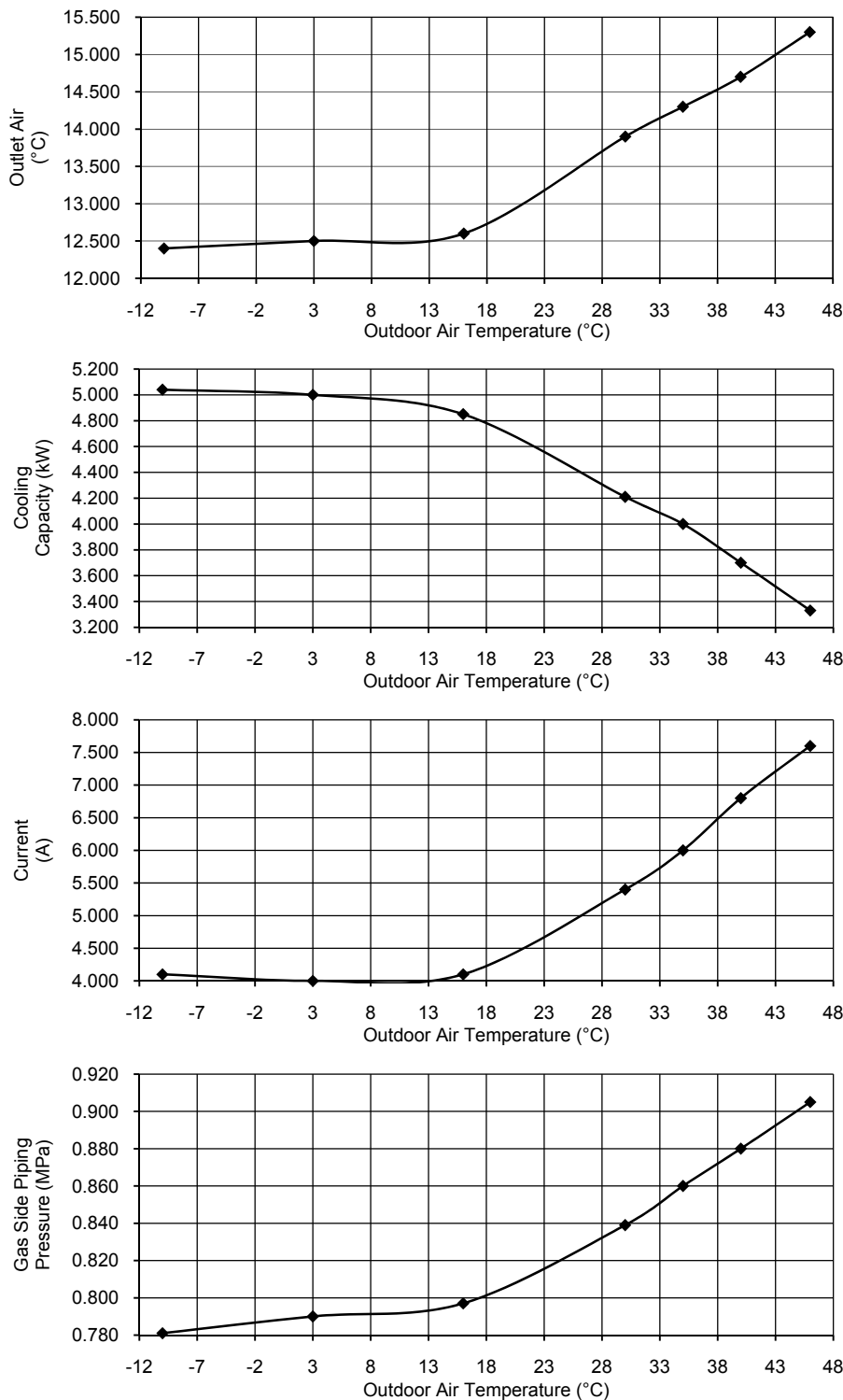
- Cooling Characteristic
- [Condition] Room temperature: 27°C (DBT), 19°C (WBT)
Operation condition: High fan speed
Piping Length: 5m
230V 50Hz

B) Indoor unit capacity: Cooling (2.5: CS-E9PKEW), service mode frequency = 20 Hz



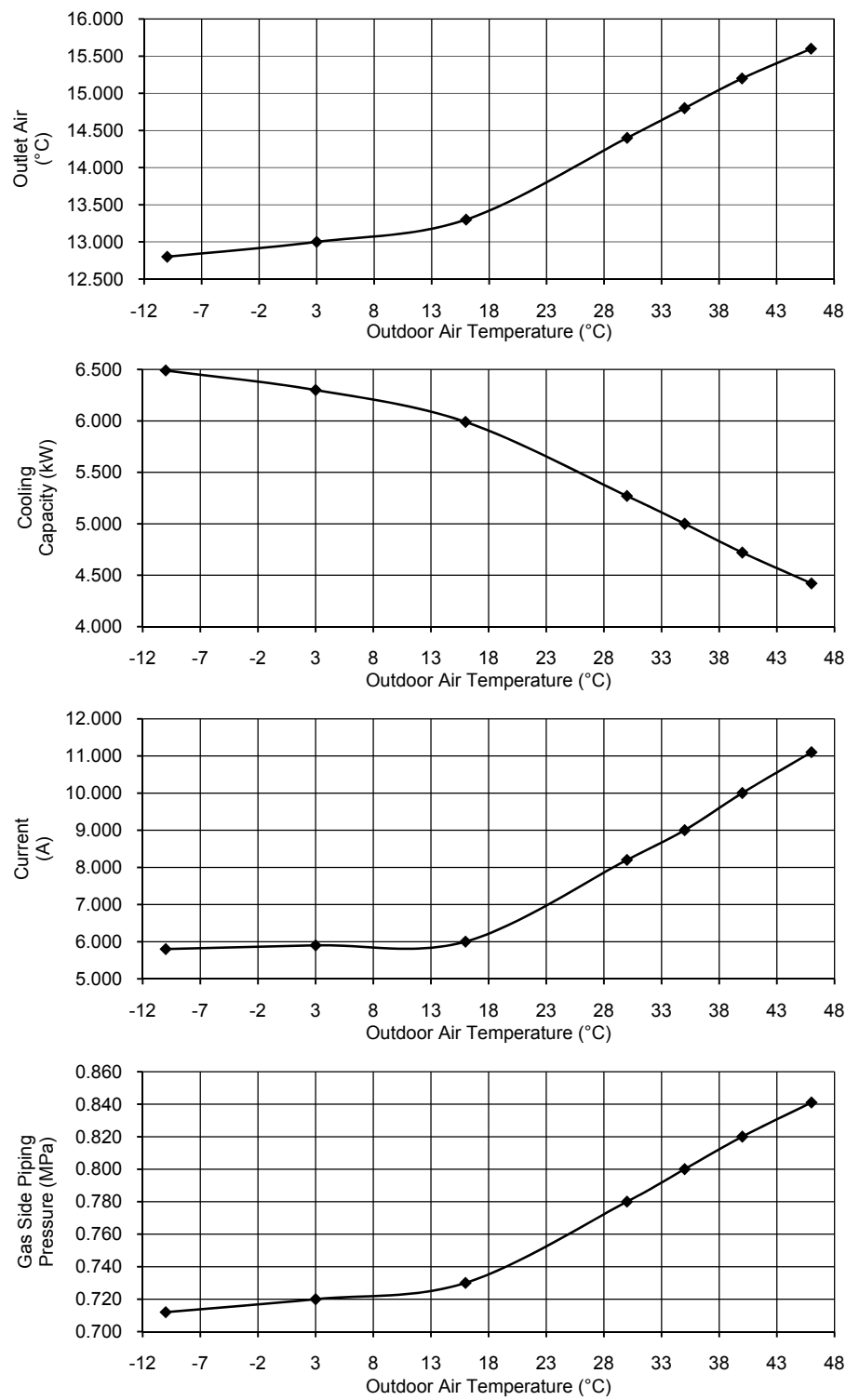
- Cooling Characteristic
- [Condition] Room temperature: 27°C (DBT), 19°C (WBT)
 Operation condition: High fan speed
 Piping Length: 5m
 230V 50Hz

C) Indoor unit capacity: Cooling (4.0: CS-E15PKEW), service mode frequency = 34 Hz



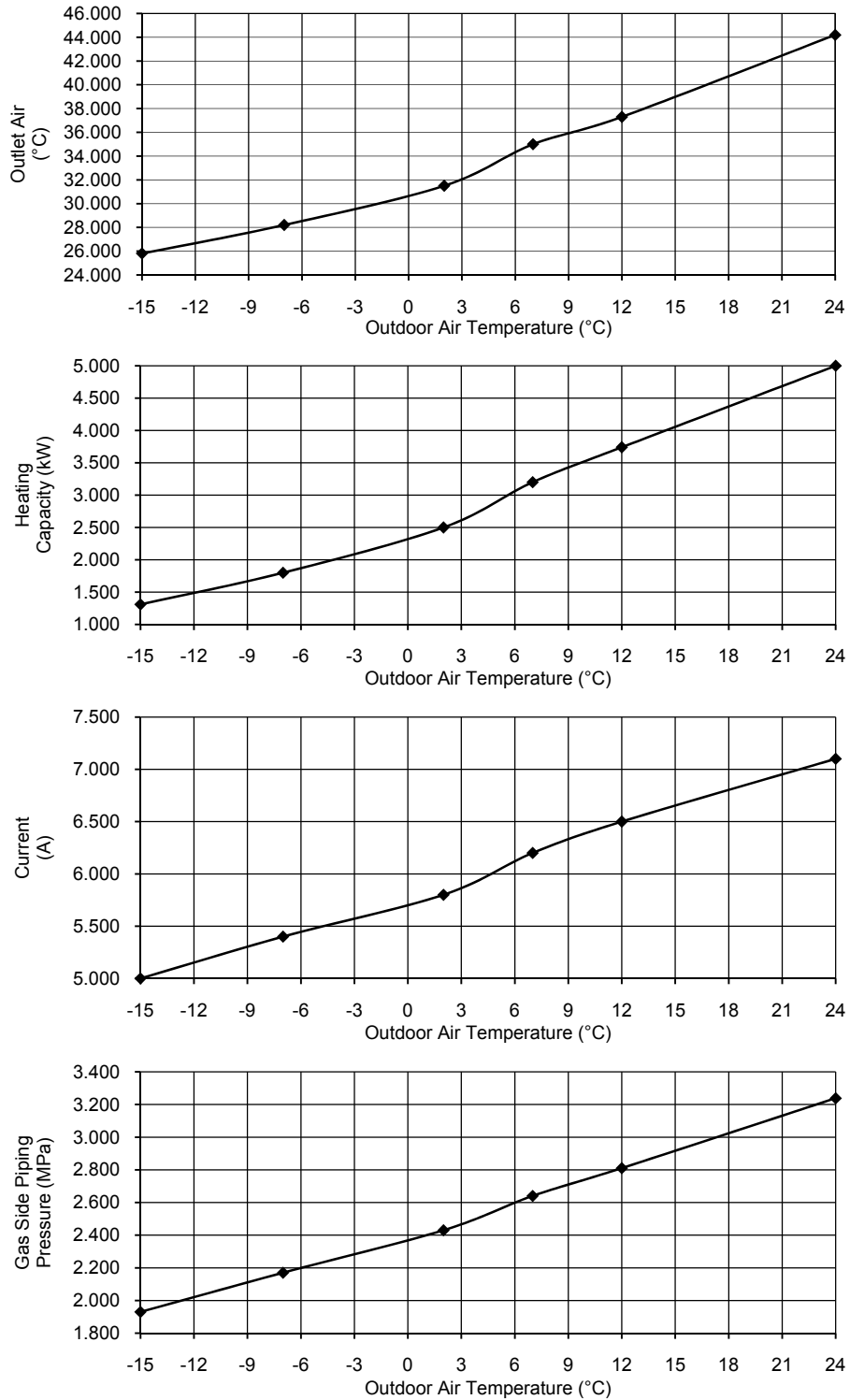
- Cooling Characteristic
- [Condition] Room temperature: 27°C (DBT), 19°C (WBT)
Operation condition: High fan speed
Piping Length: 5m
230V 50Hz

D) Indoor unit capacity: Cooling (5.0: CS-E18PKEW), service mode frequency = 49 Hz



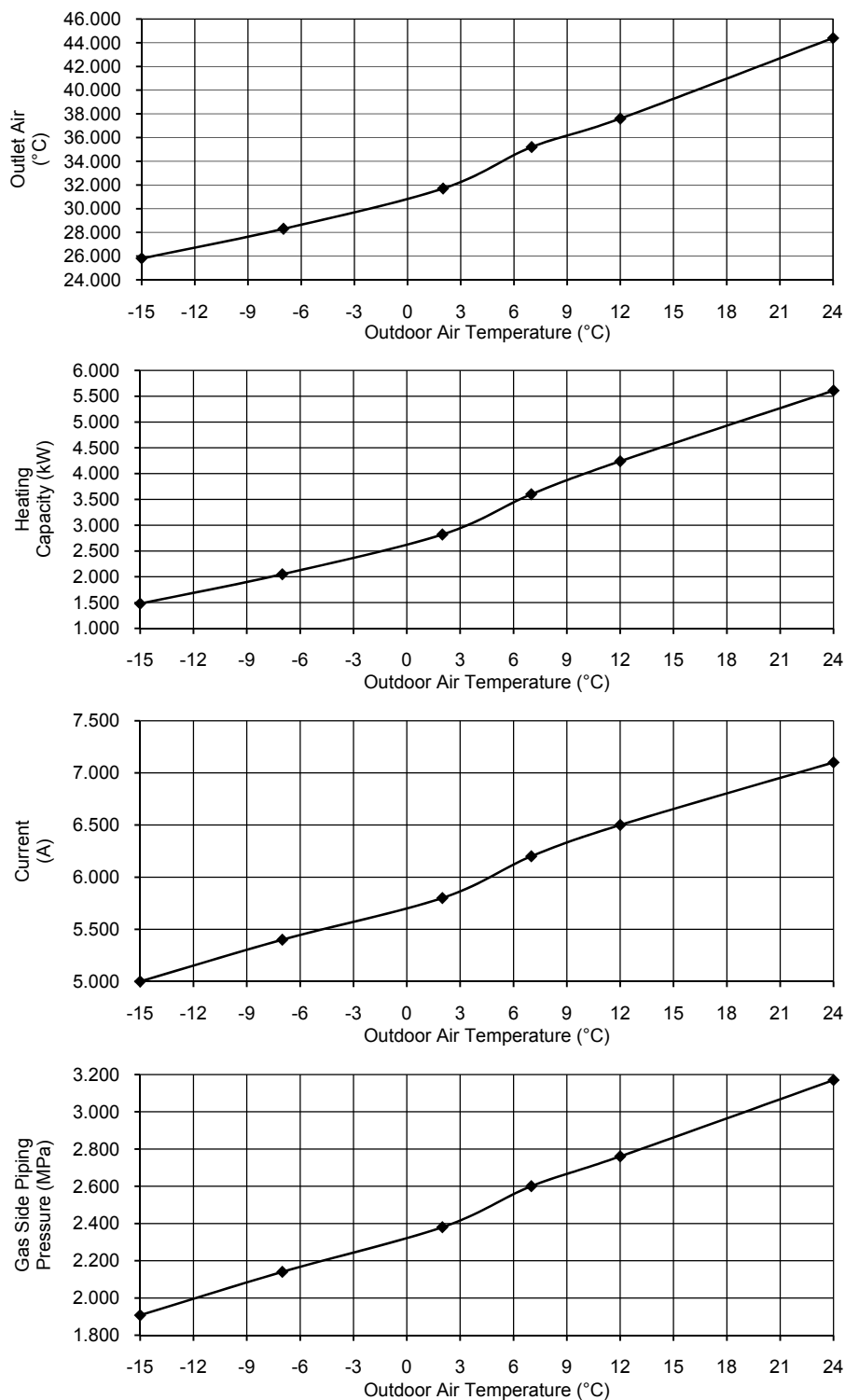
- Heating Characteristic
- [Condition] Room temperature: 20°C (DBT), 12°C (WBT)
 Operation condition: High fan speed
 Piping Length: 5m
 230V 50Hz

A) Indoor unit capacity: Heating (2.0: CS-E7PKEW), service mode frequency = 39 Hz



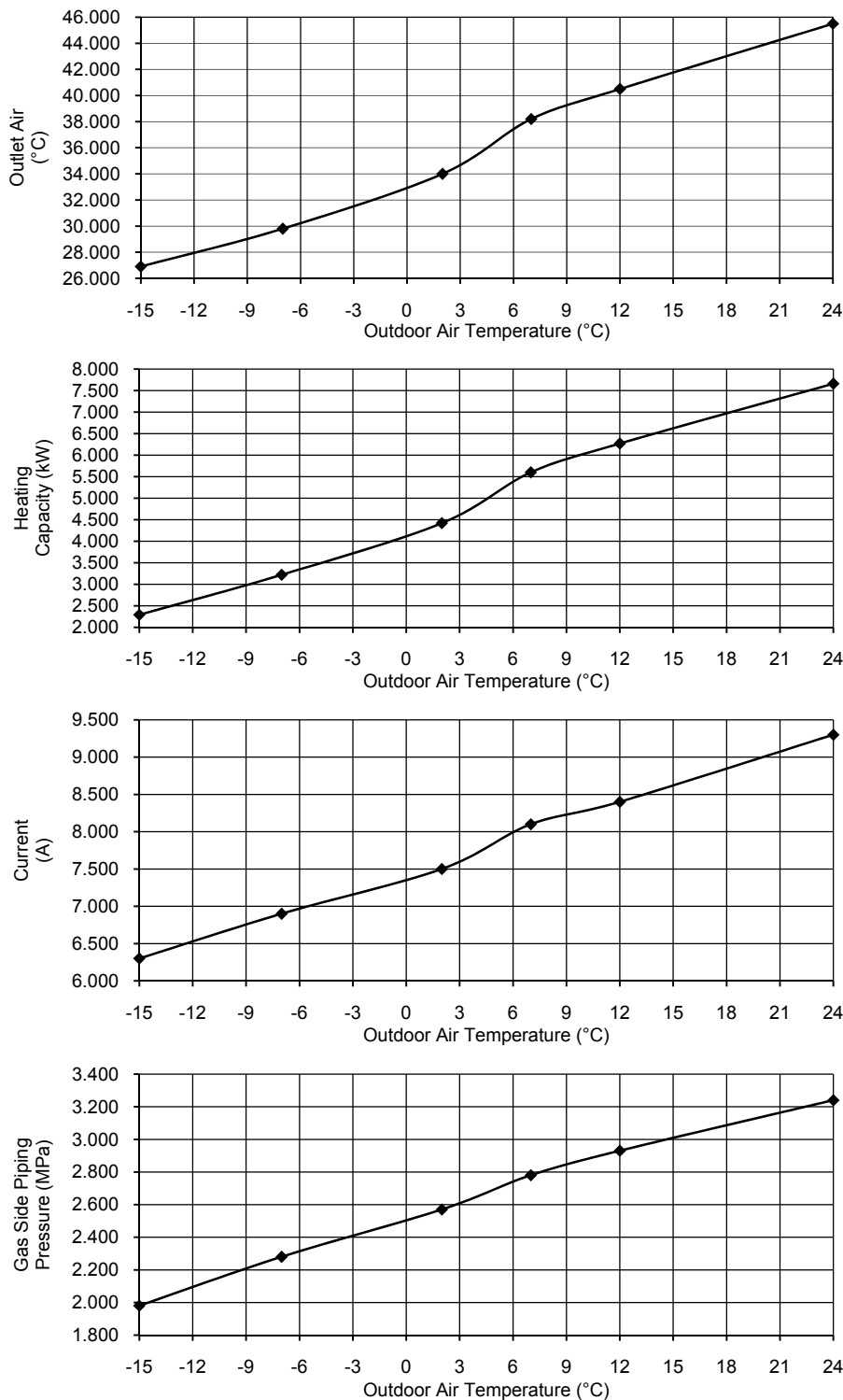
- Heating Characteristic
- [Condition] Room temperature: 20°C (DBT), 12°C (WBT)
 Operation condition: High fan speed
 Piping Length: 5m
 230V 50Hz

B) Indoor unit capacity: Heating (2.5: CS-E9PKEW), service mode frequency = 39 Hz



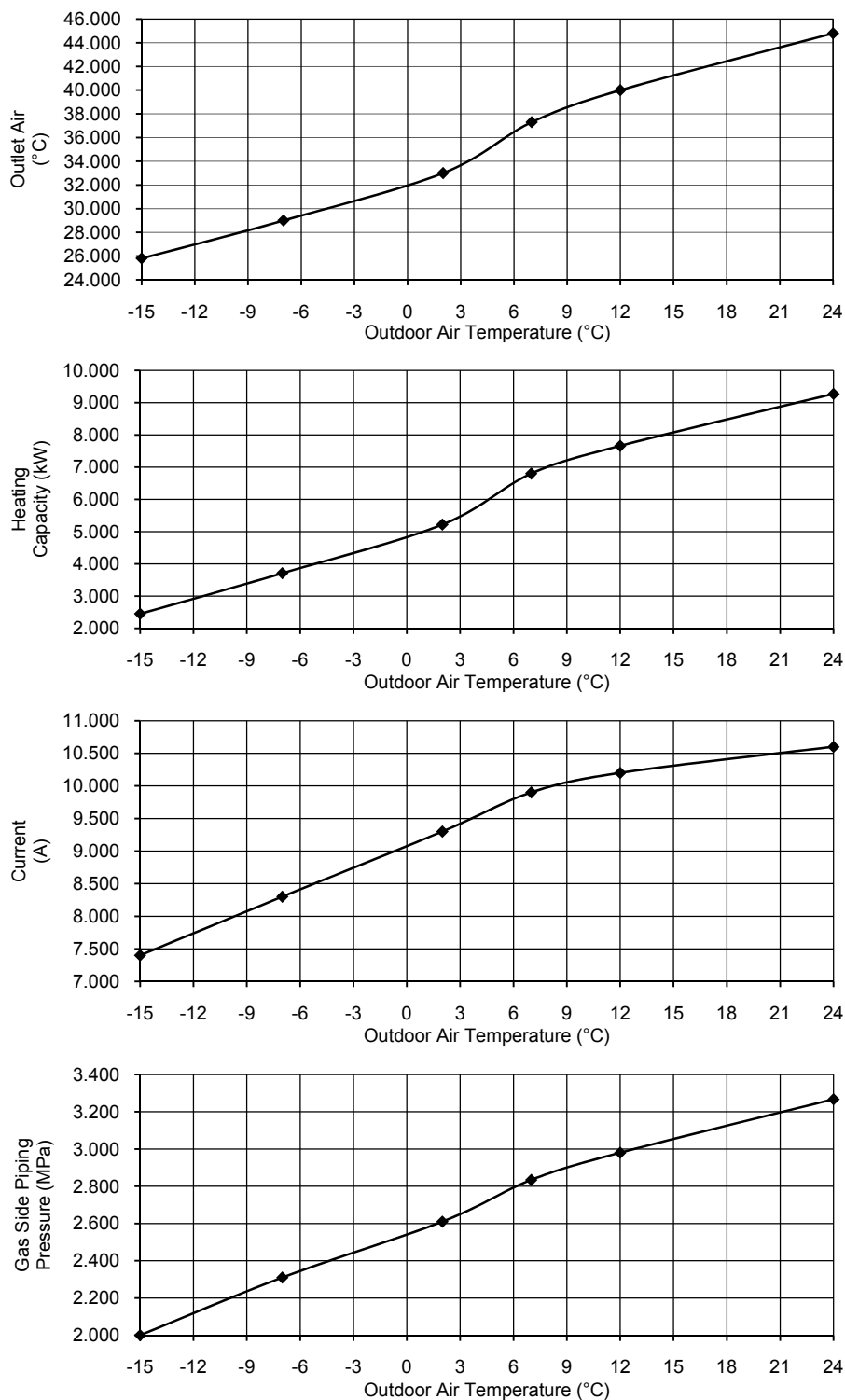
- Heating Characteristic
- [Condition] Room temperature: 20°C (DBT), 12°C (WBT)
 Operation condition: High fan speed
 Piping Length: 5m
 230V 50Hz

C) Indoor unit capacity: Heating (4.0: CS-E15PKEW), service mode frequency = 47 Hz



- Heating Characteristic
- [Condition] Room temperature: 20°C (DBT), 12°C (WBT)
 Operation condition: High fan speed
 Piping Length: 5m
 230V 50Hz

D) Indoor unit capacity: Heating (5.0: CS-E18PKEW), service mode frequency = 55 Hz



17.1.2 Two Unit Indoor Operation

- Cooling Characteristic

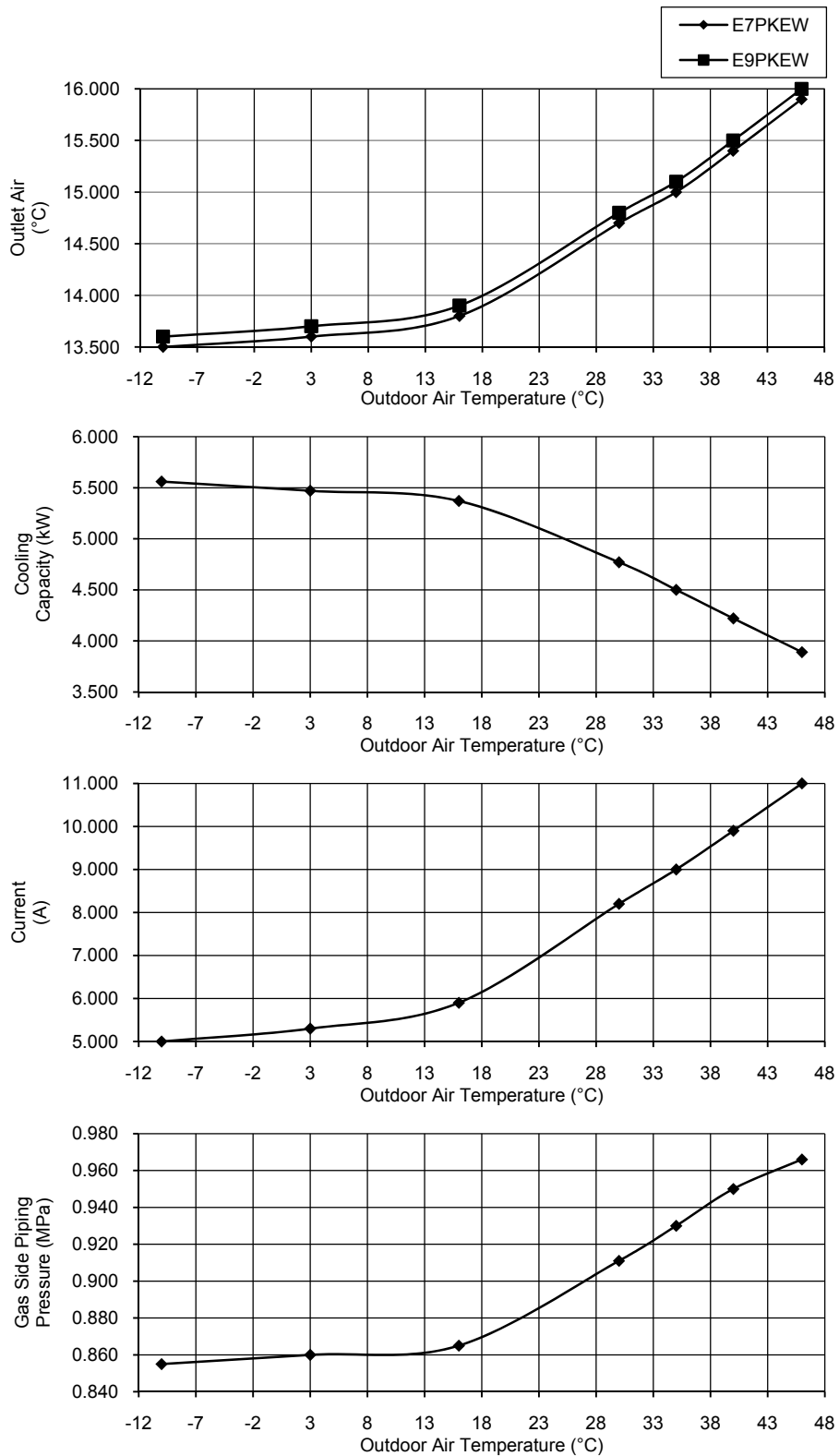
[Condition] Room temperature: 27°C (DBT), 19°C (WBT)

Operation condition: High fan speed

Piping Length: 5m

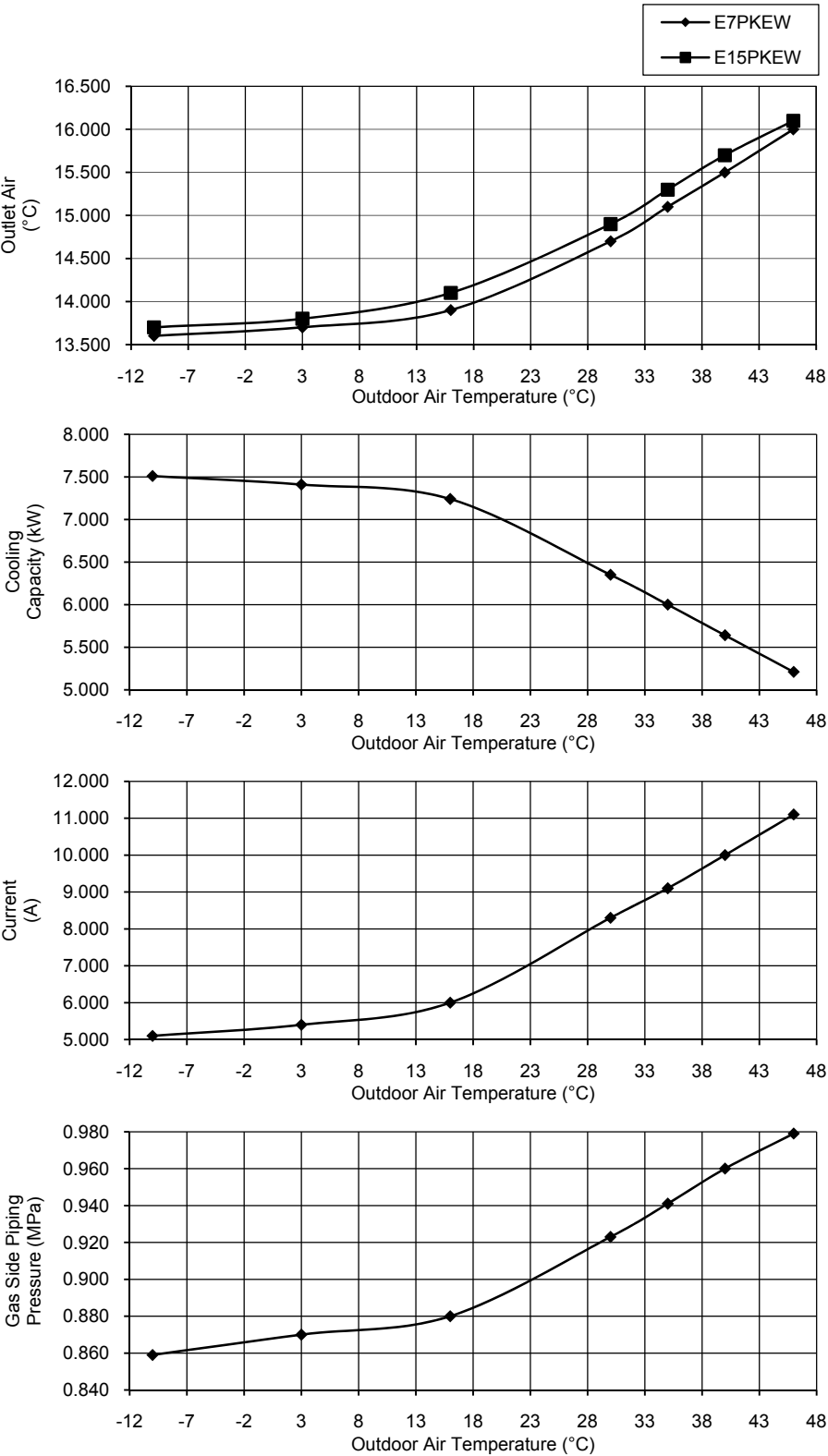
230V 50Hz

A) Indoor unit capacity: Cooling (2.0 + 2.5: CS-E7PKEW + CS-E9PKEW), service mode frequency = 49 Hz



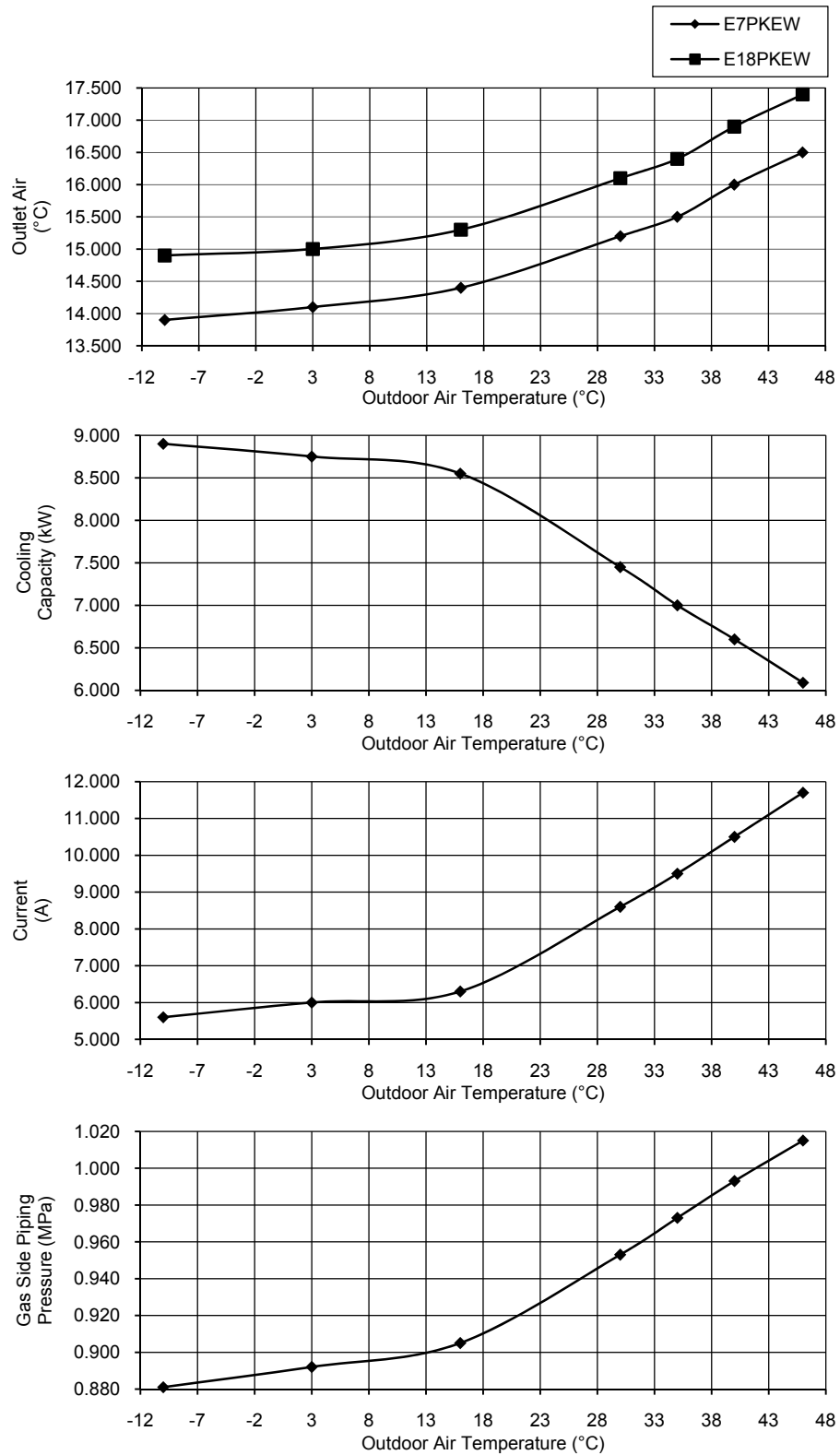
- Cooling Characteristic
- [Condition] Room temperature: 27°C (DBT), 19°C (WBT)
 Operation condition: High fan speed
 Piping Length: 5m
 230V 50Hz

B) Indoor unit capacity: Cooling (2.0 + 4.0: CS-E7PKEW + CS-E15PKEW), service mode frequency = 49 Hz



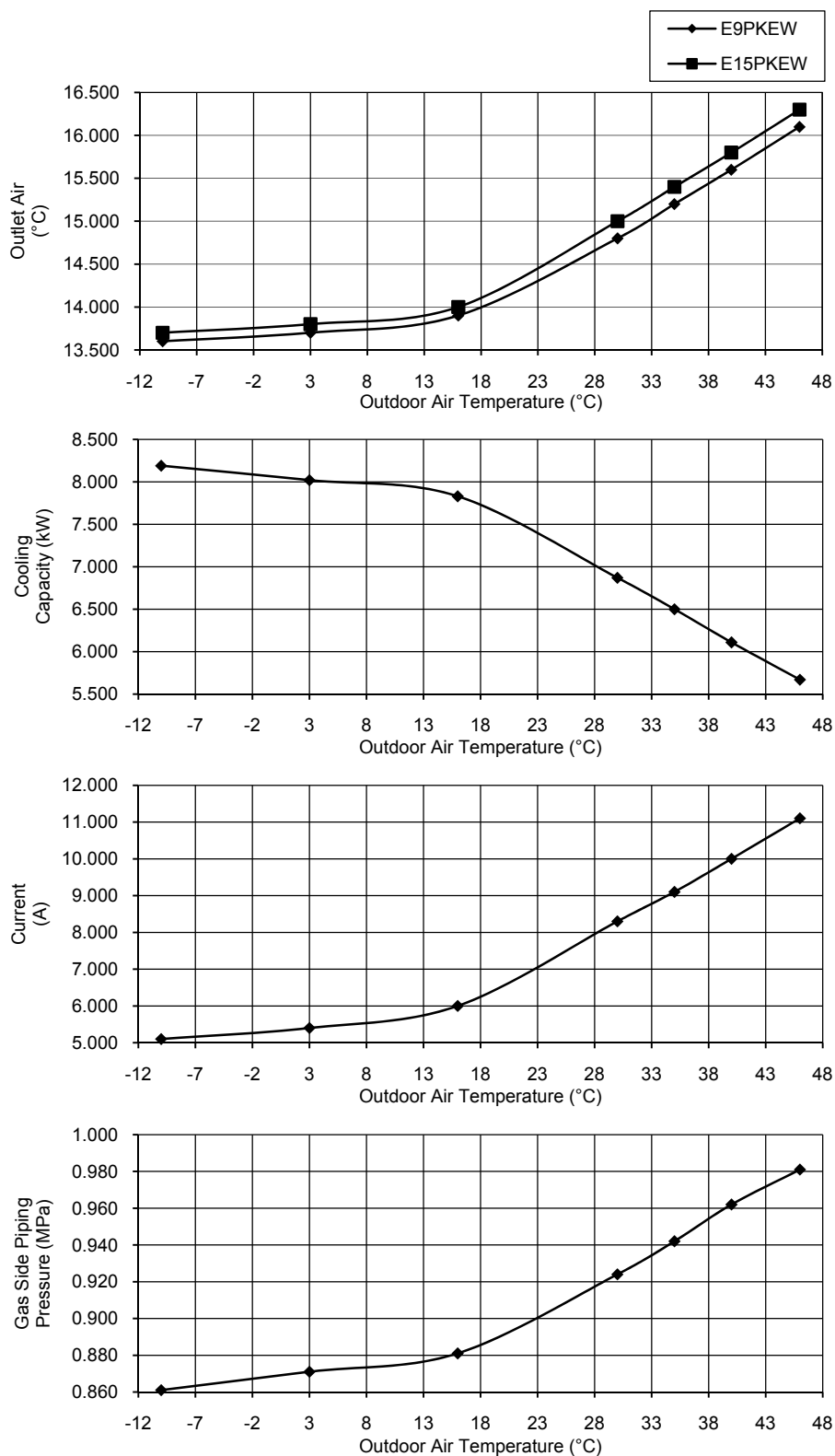
- Cooling Characteristic
- [Condition] Room temperature: 27°C (DBT), 19°C (WBT)
 Operation condition: High fan speed
 Piping Length: 5m
 230V 50Hz

C) Indoor unit capacity: Cooling (2.0 + 5.0: CS-E7PKEW + CS-E18PKEW), service mode frequency = 51 Hz



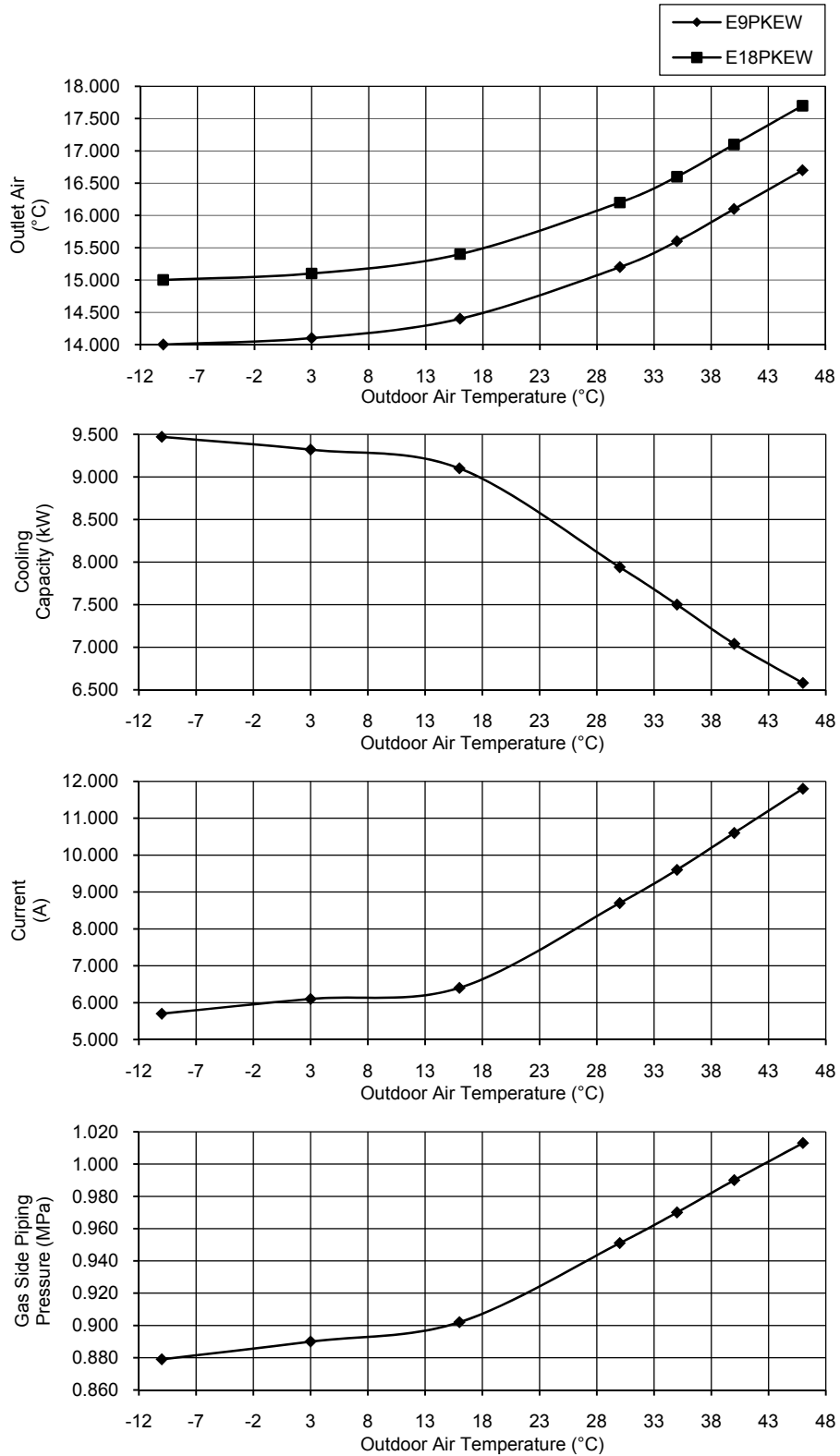
- Cooling Characteristic
- [Condition] Room temperature: 27°C (DBT), 19°C (WBT)
 Operation condition: High fan speed
 Piping Length: 5m
 230V 50Hz

D) Indoor unit capacity: Cooling (2.5 + 4.0: CS-E9PKEW + CS-E15PKEW), service mode frequency = 49 Hz



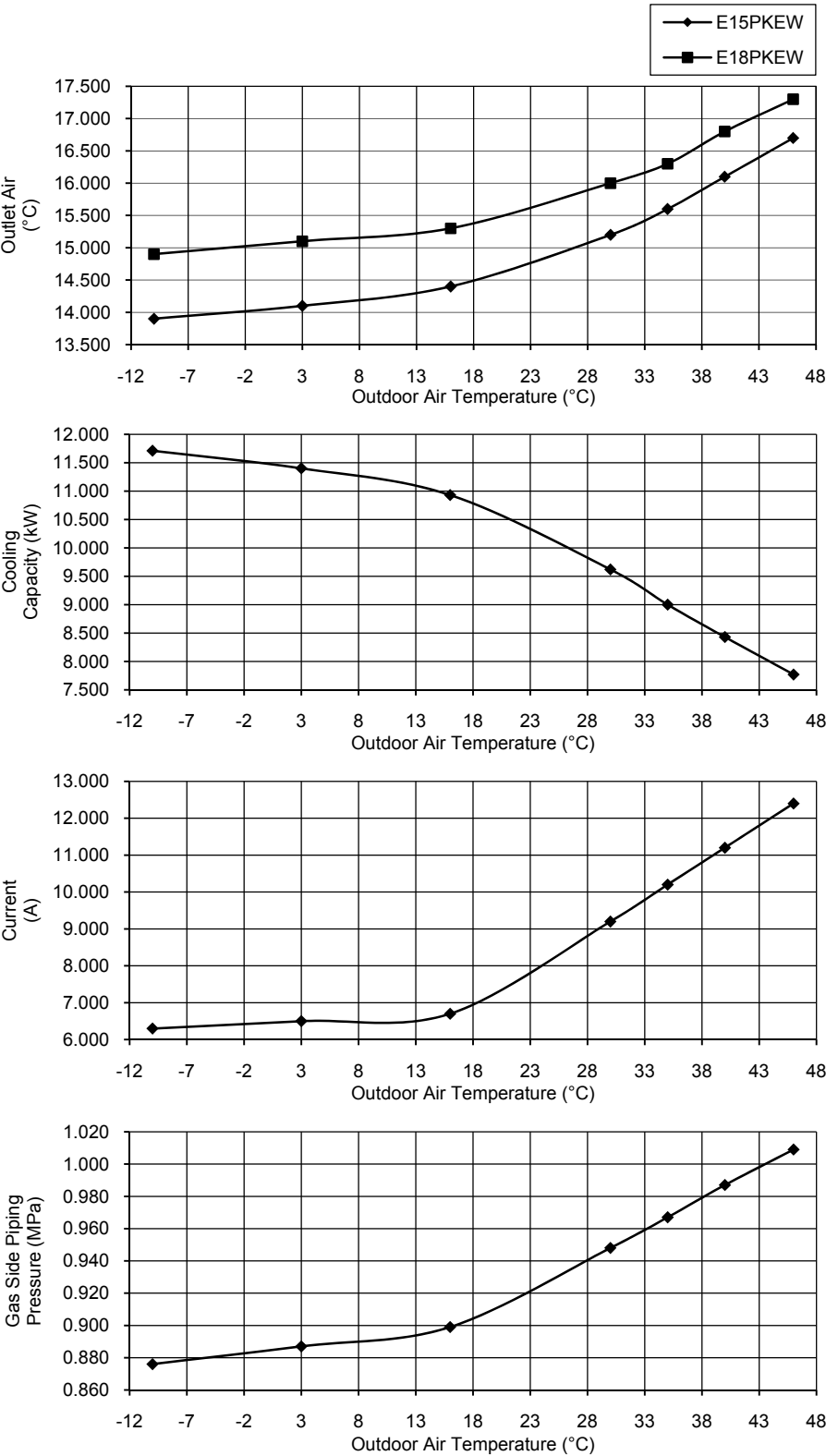
- Cooling Characteristic
- [Condition] Room temperature: 27°C (DBT), 19°C (WBT)
 Operation condition: High fan speed
 Piping Length: 5m
 230V 50Hz

E) Indoor unit capacity: Cooling (2.5 + 5.0: CS-E9PKEW + CS-E18PKEW), service mode frequency = 51 Hz



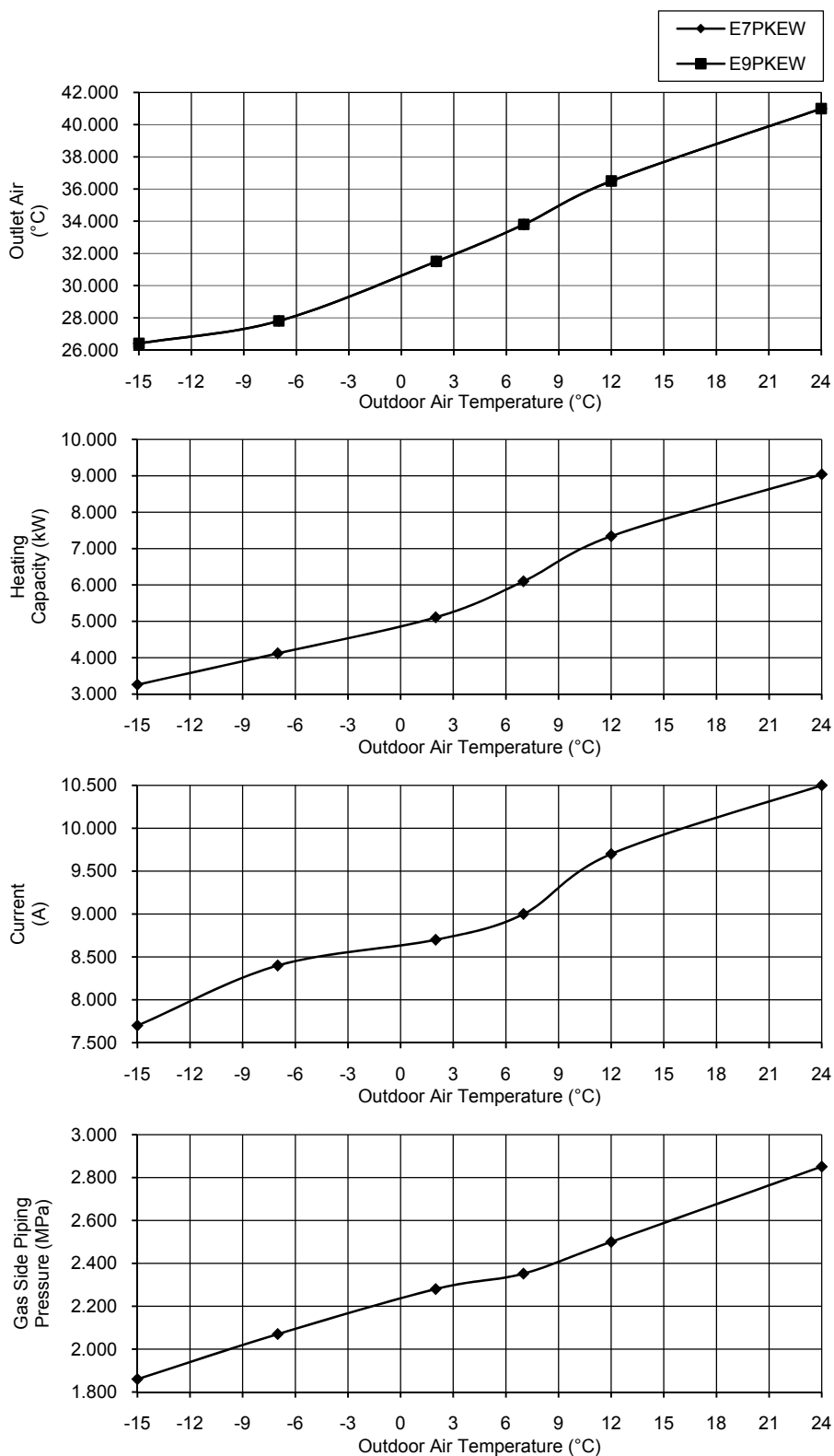
- Cooling Characteristic
- [Condition] Room temperature: 27°C (DBT), 19°C (WBT)
 Operation condition: High fan speed
 Piping Length: 5m
 230V 50Hz

F) Indoor unit capacity: Cooling (4.0 + 5.0: CS-E15PKEW + CS-E18PKEW), service mode frequency = 53 Hz



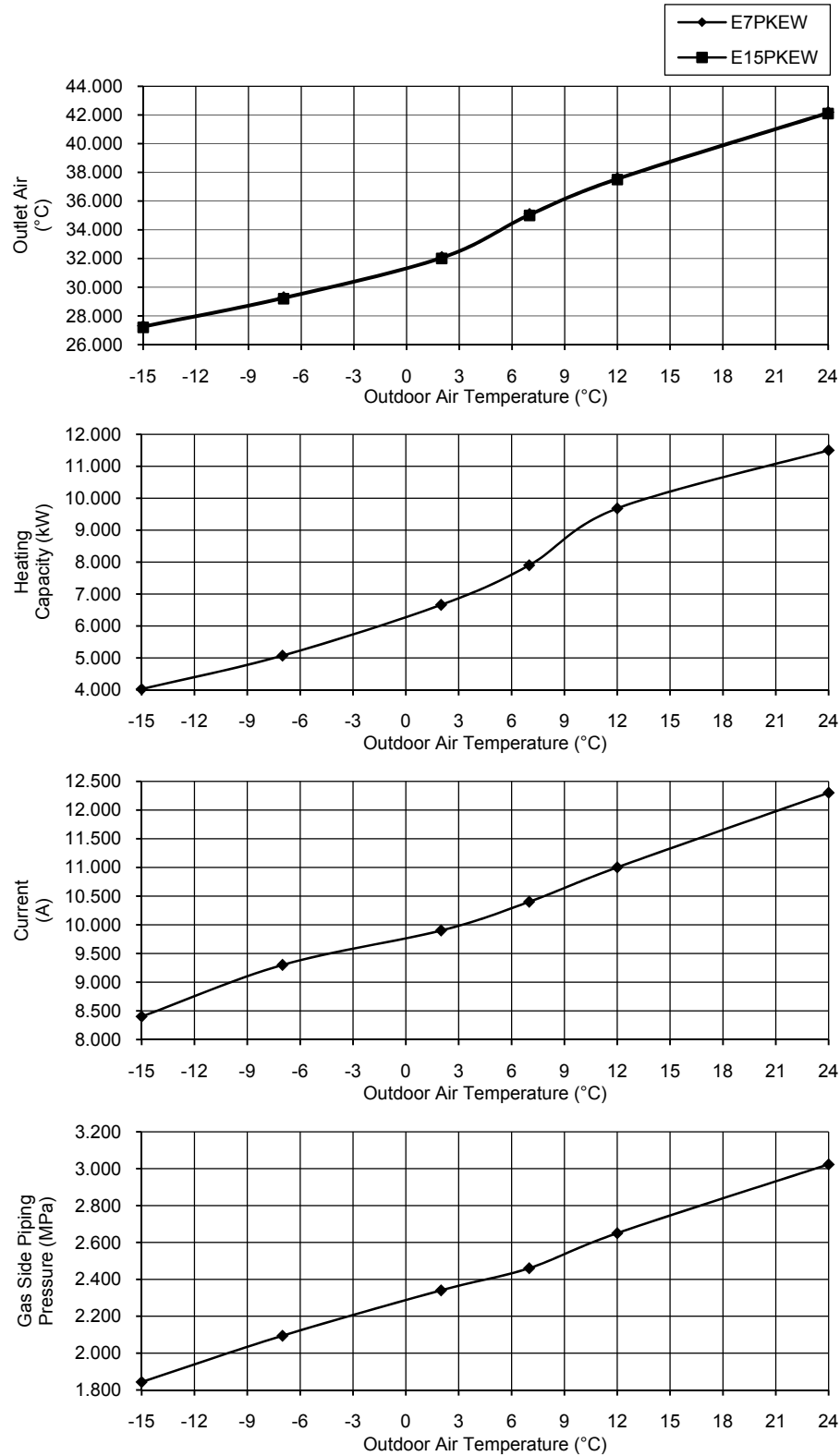
- Heating Characteristic
- [Condition] Room temperature: 20°C (DBT), 12°C (WBT)
 Operation condition: High fan speed
 Piping Length: 5m
 230V 50Hz

A) Indoor unit capacity: Heating (2.0 + 2.5: CS-E7PKEW + CS-E9PKEW), service mode frequency = 58 Hz



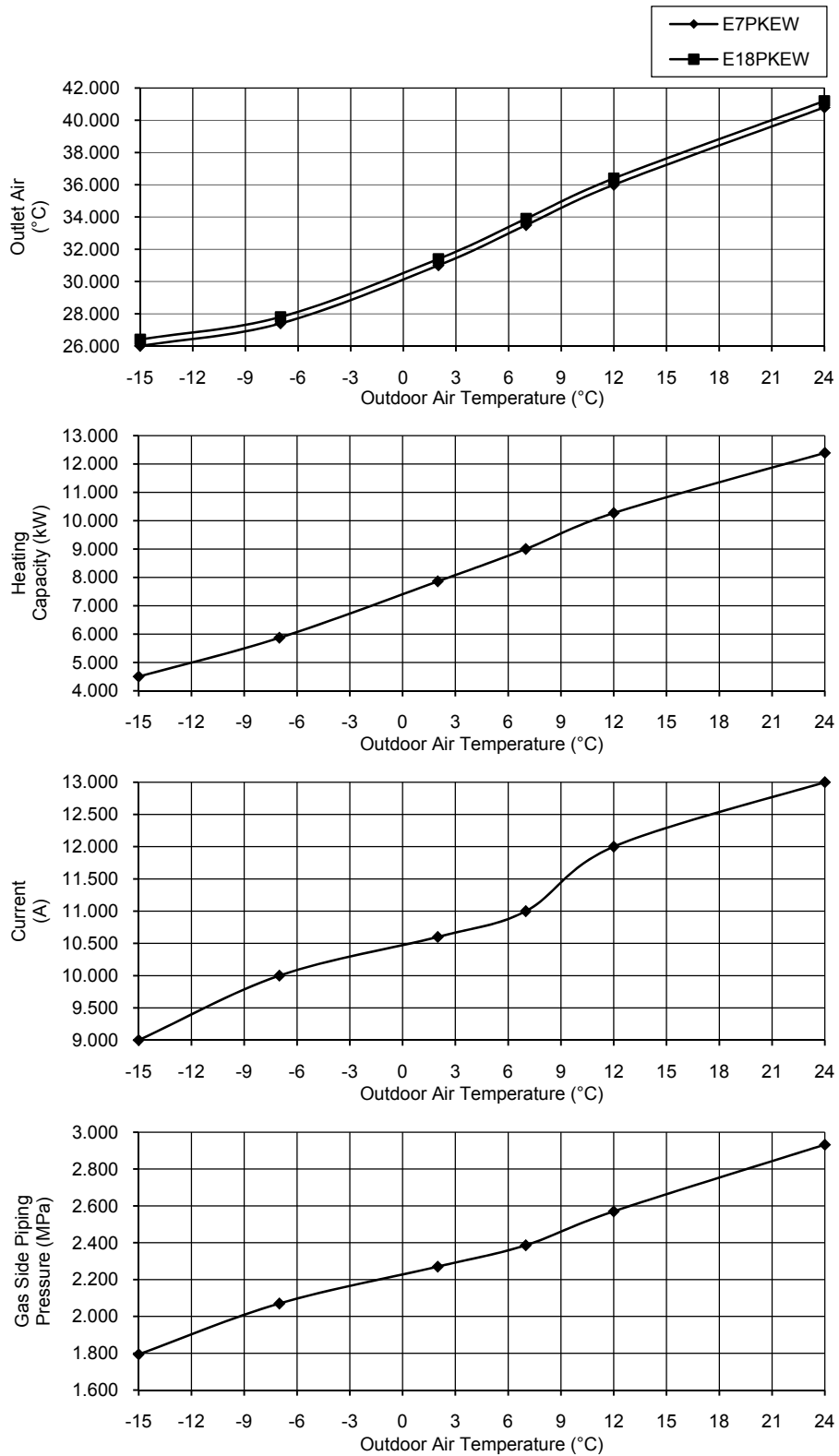
- Heating Characteristic
- [Condition] Room temperature: 20°C (DBT), 12°C (WBT)
Operation condition: High fan speed
Piping Length: 5m
230V 50Hz

B) Indoor unit capacity: Heating (2.0 + 4.0: CS-E7PKEW + CS-E15PKEW), service mode frequency = 64 Hz



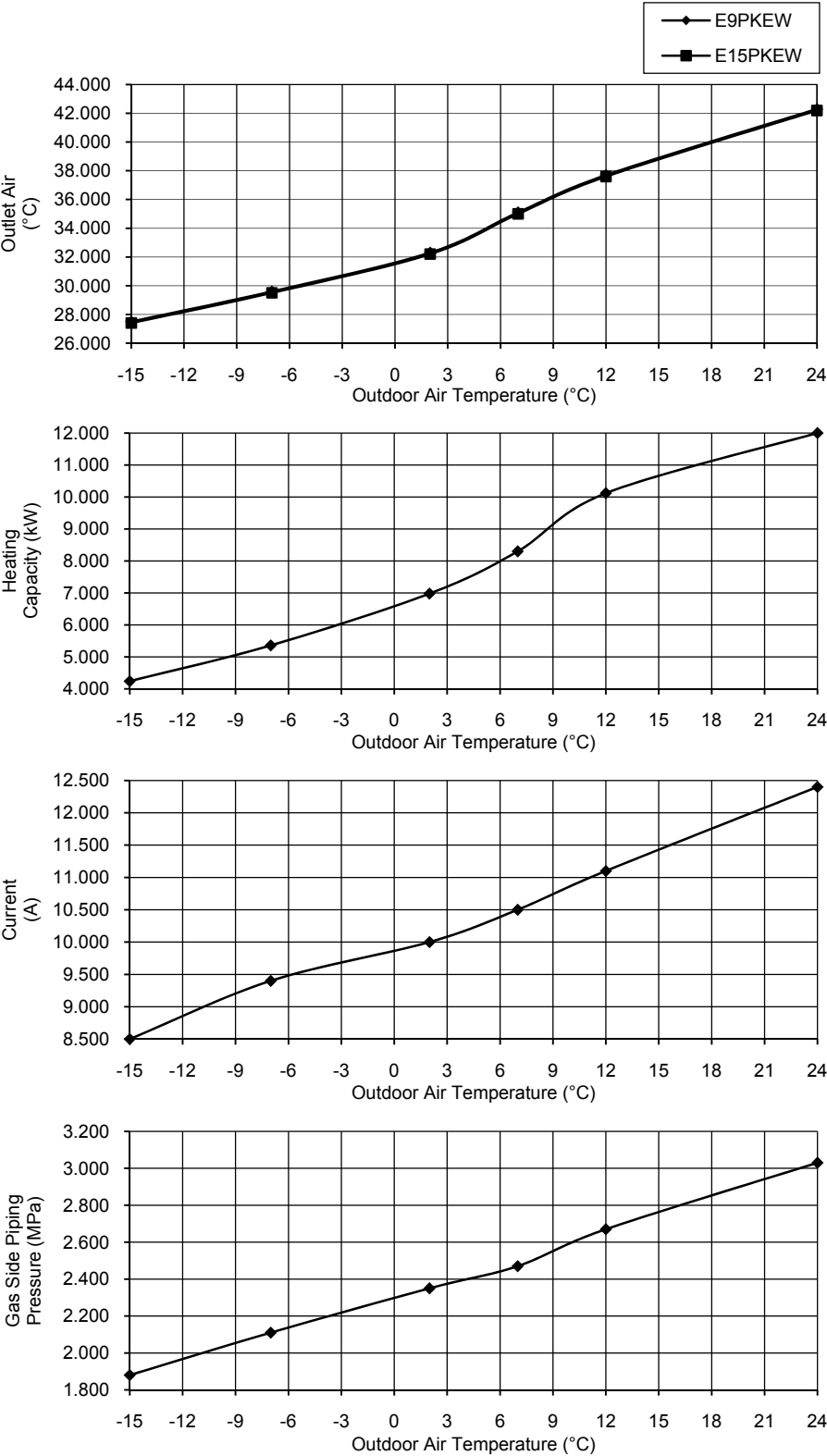
- Heating Characteristic
- [Condition] Room temperature: 20°C (DBT), 12°C (WBT)
 Operation condition: High fan speed
 Piping Length: 5m
 230V 50Hz

C) Indoor unit capacity: Heating (2.0 + 5.0: CS-E7PKEW + CS-E18PKEW), service mode frequency = 68 Hz



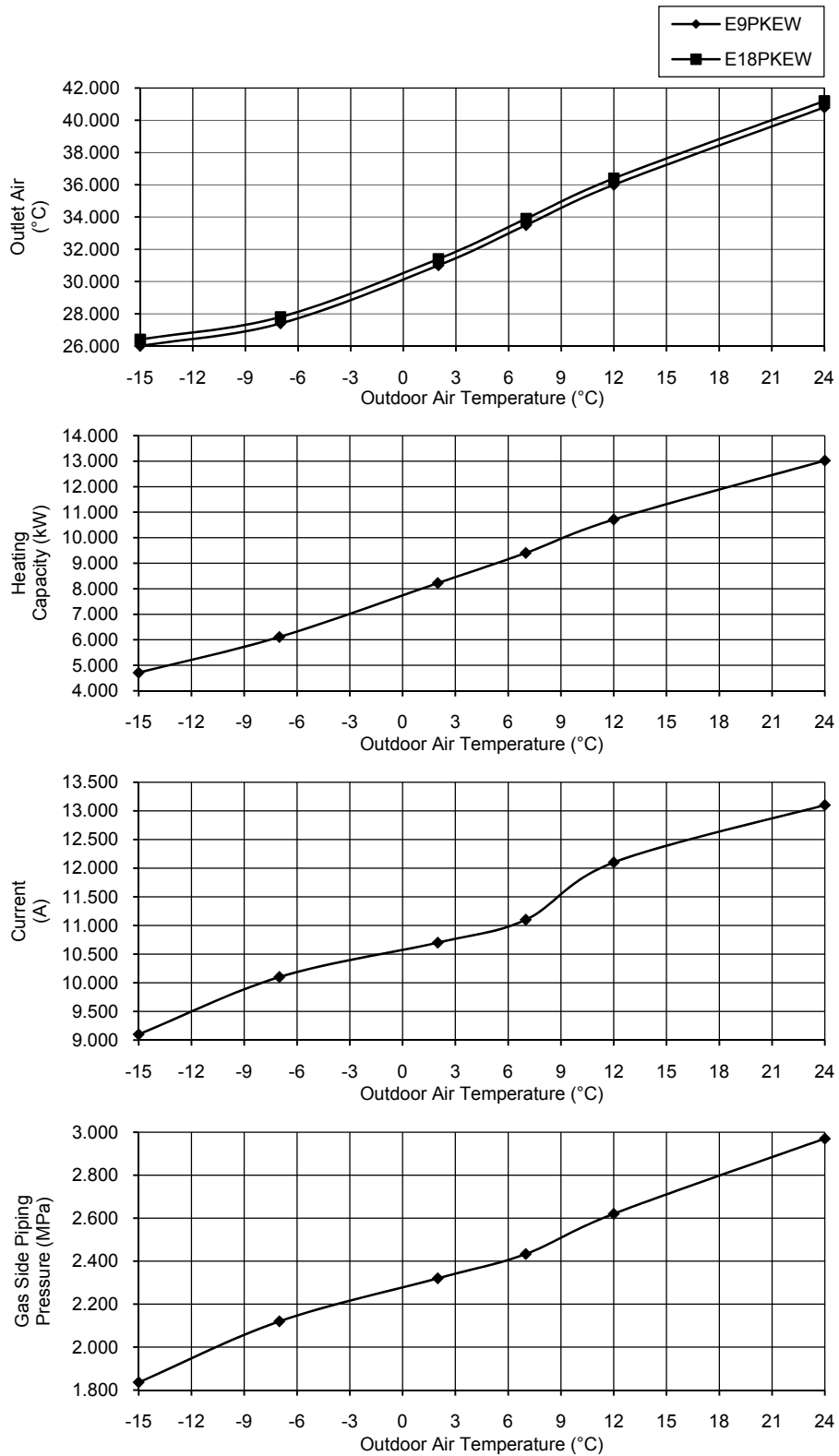
- Heating Characteristic
- [Condition] Room temperature: 20°C (DBT), 12°C (WBT)
 Operation condition: High fan speed
 Piping Length: 5m
 230V 50Hz

D) Indoor unit capacity: Heating (2.5 + 4.0: CS-E9PKEW + CS-E15PKEW), service mode frequency = 64 Hz



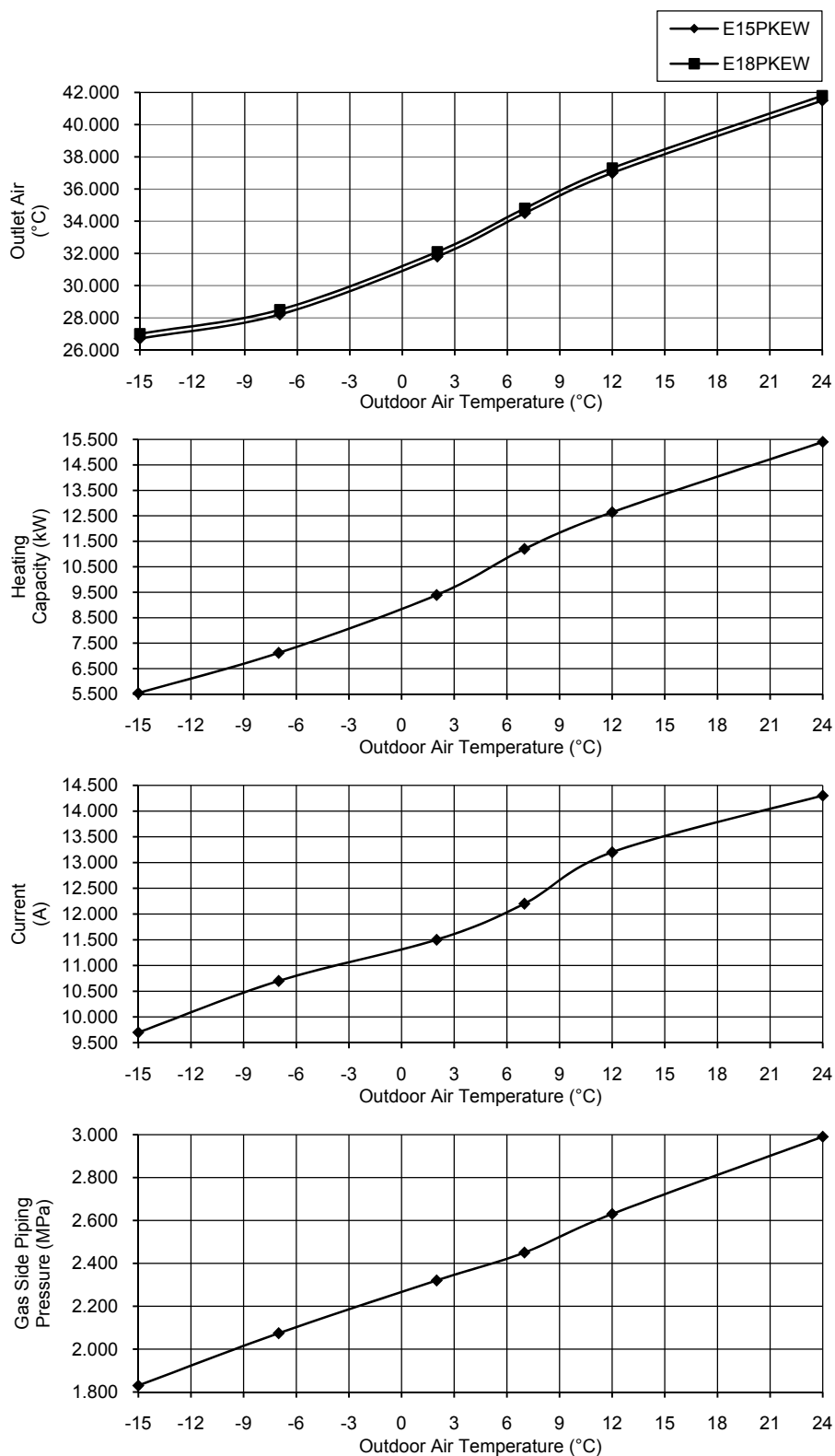
- Heating Characteristic
- [Condition] Room temperature: 20°C (DBT), 12°C (WBT)
 Operation condition: High fan speed
 Piping Length: 5m
 230V 50Hz

E) Indoor unit capacity: Heating (2.5 + 5.0: CS-E9PKEW + CS-E18PKEW), service mode frequency = 68 Hz



- Heating Characteristic
- [Condition] Room temperature: 20°C (DBT), 12°C (WBT)
 Operation condition: High fan speed
 Piping Length: 5m
 230V 50Hz

F) Indoor unit capacity: Heating (4.0 + 5.0: CS-E15PKEW + CS-E18PKEW), service mode frequency = 73 Hz



17.1.3 Three Indoor Unit Operation

- Cooling Characteristic

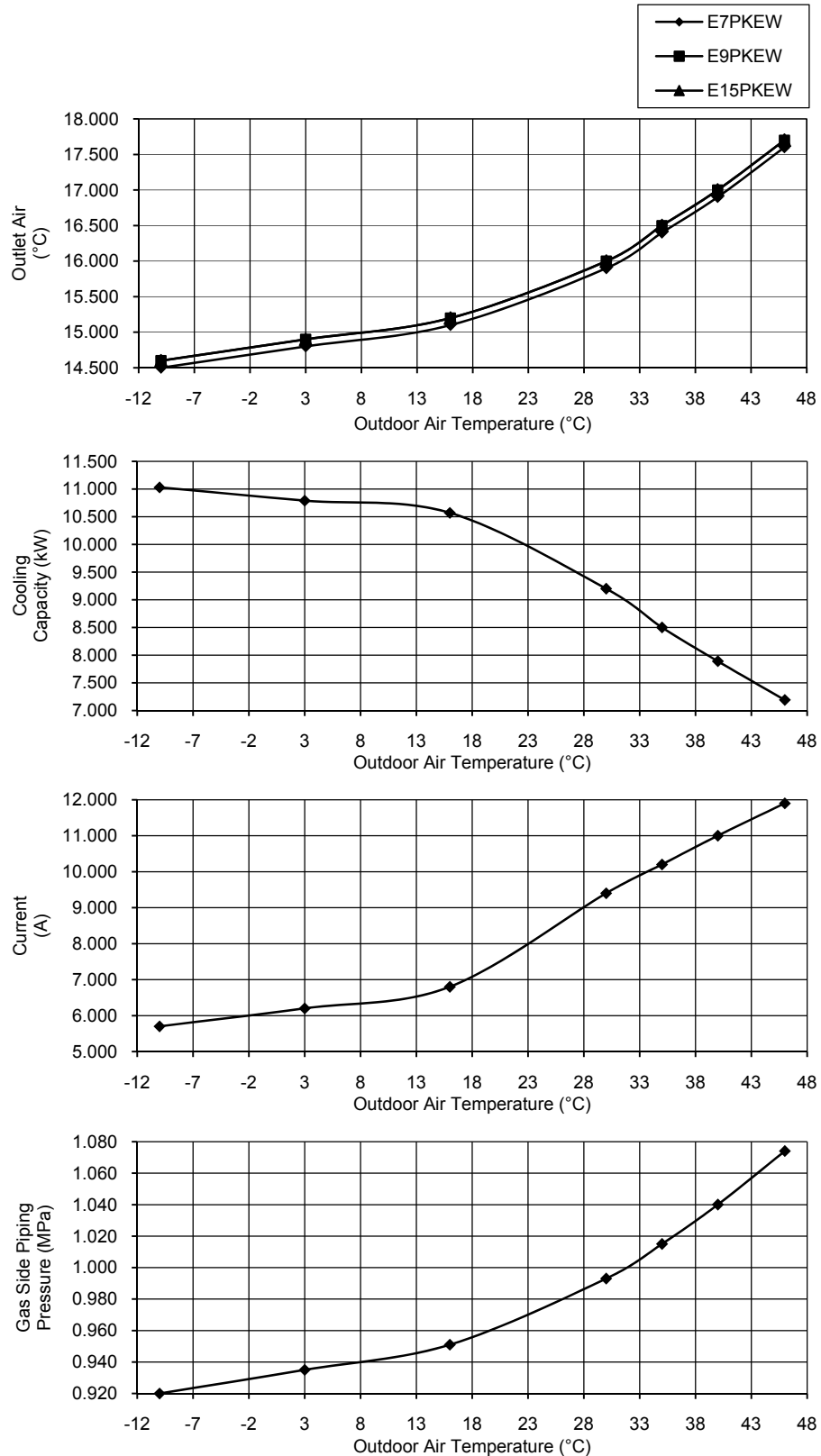
[Condition] Room temperature: 27°C (DBT), 19°C (WBT)

Operation condition: High fan speed

Piping Length: 5m

230V 50Hz

A) Indoor unit capacity: Cooling (2.0 + 2.5 + 4.0: CS-E7PKEW + CS-E9PKEW + CS-E15PKEW), service mode frequency = 55 Hz



- Cooling Characteristic

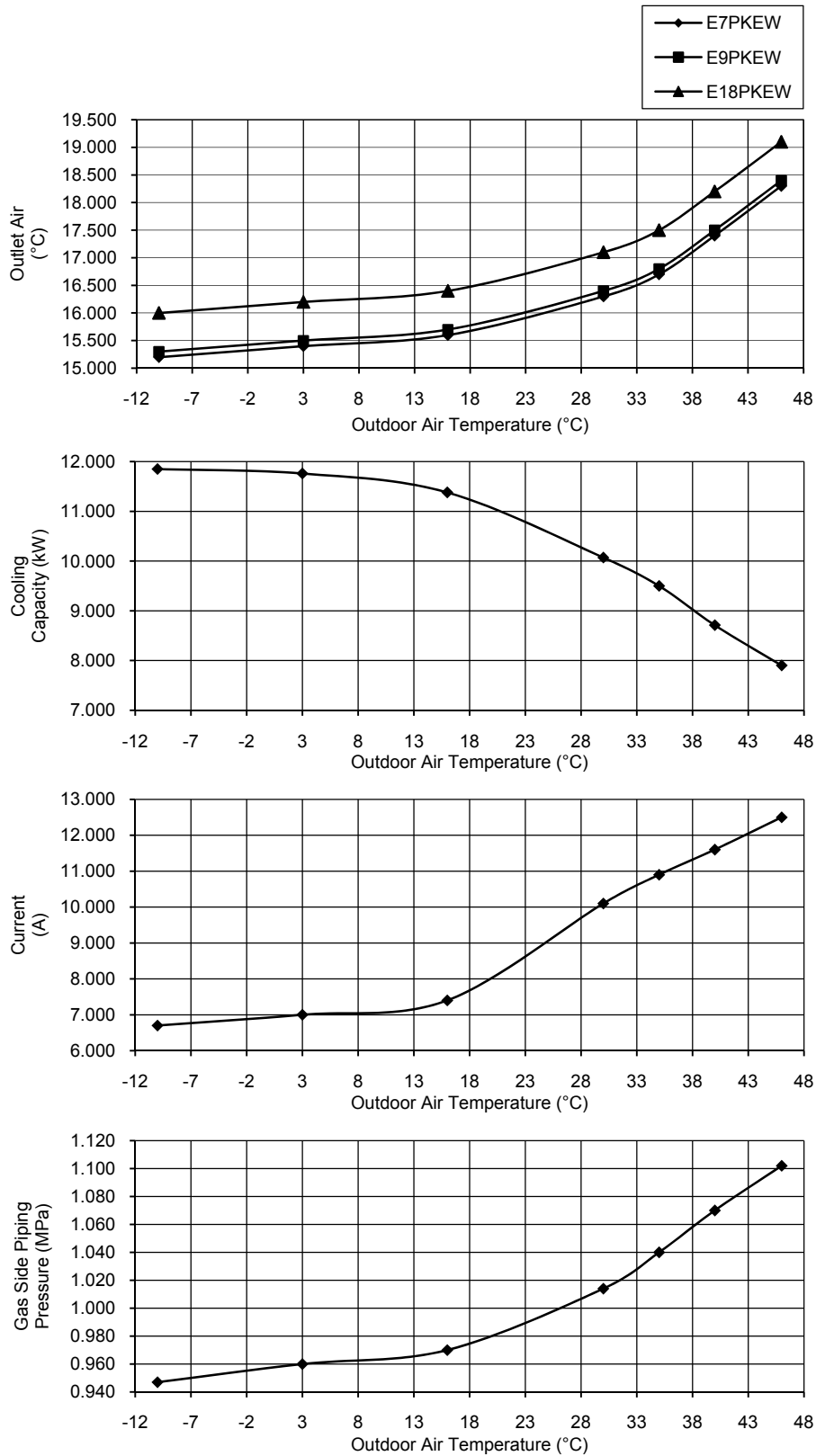
[Condition] Room temperature: 27°C (DBT), 19°C (WBT)

Operation condition: High fan speed

Piping Length: 5m

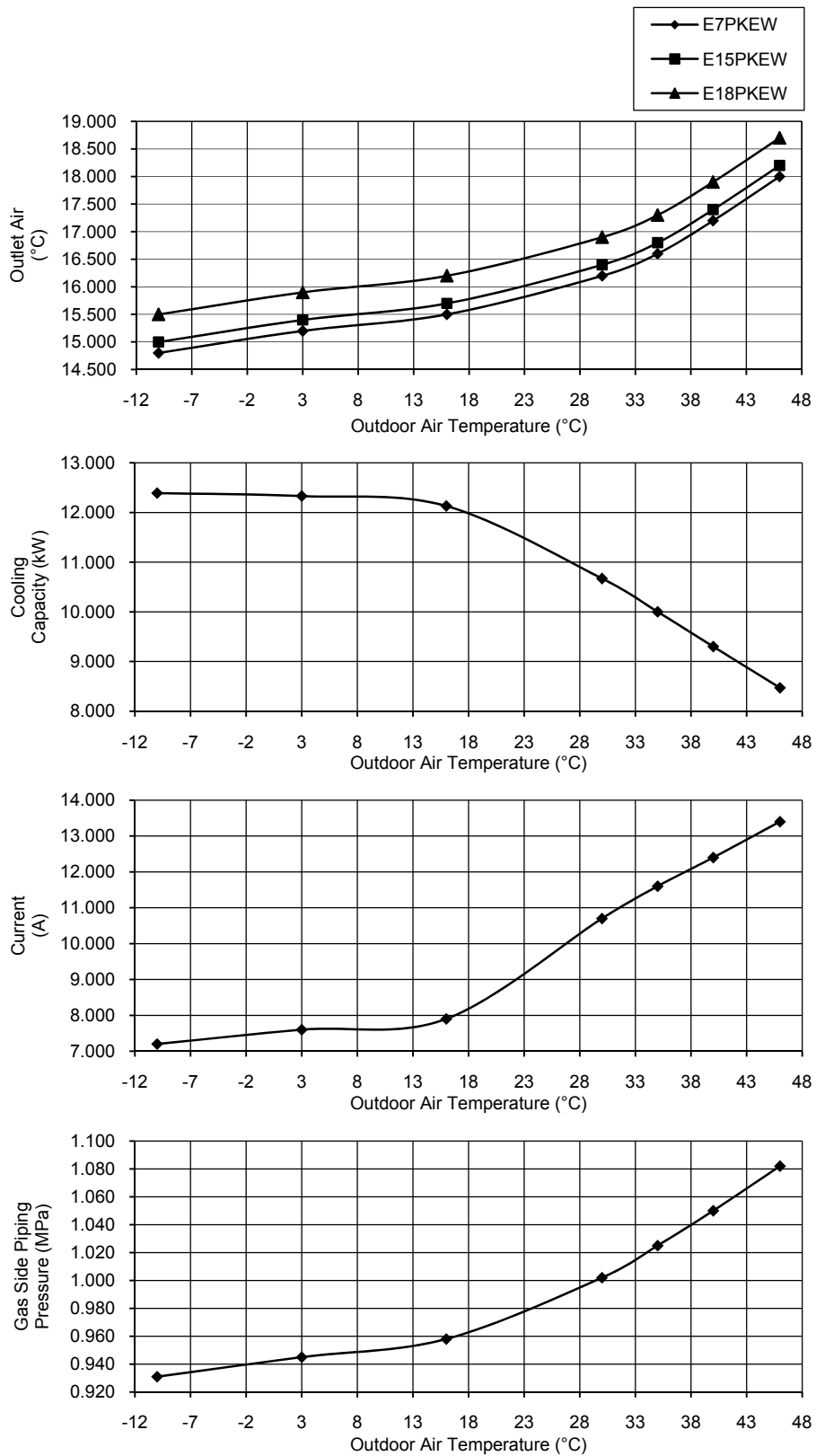
230V 50Hz

B) Indoor unit capacity: Cooling (2.0 + 2.5 + 5.0: CS-E7PKEW + CS-E9PKEW + CS-E18PKEW),
service mode frequency = 57 Hz



- Cooling Characteristic
- [Condition] Room temperature: 27°C (DBT), 19°C (WBT)
 Operation condition: High fan speed
 Piping Length: 5m
 230V 50Hz

C) Indoor unit capacity: Cooling (2.0 + 4.0 + 5.0: CS-E7PKEW + CS-E15PKEW + CS-E18PKEW),
 service mode frequency = 59 Hz



- Cooling Characteristic

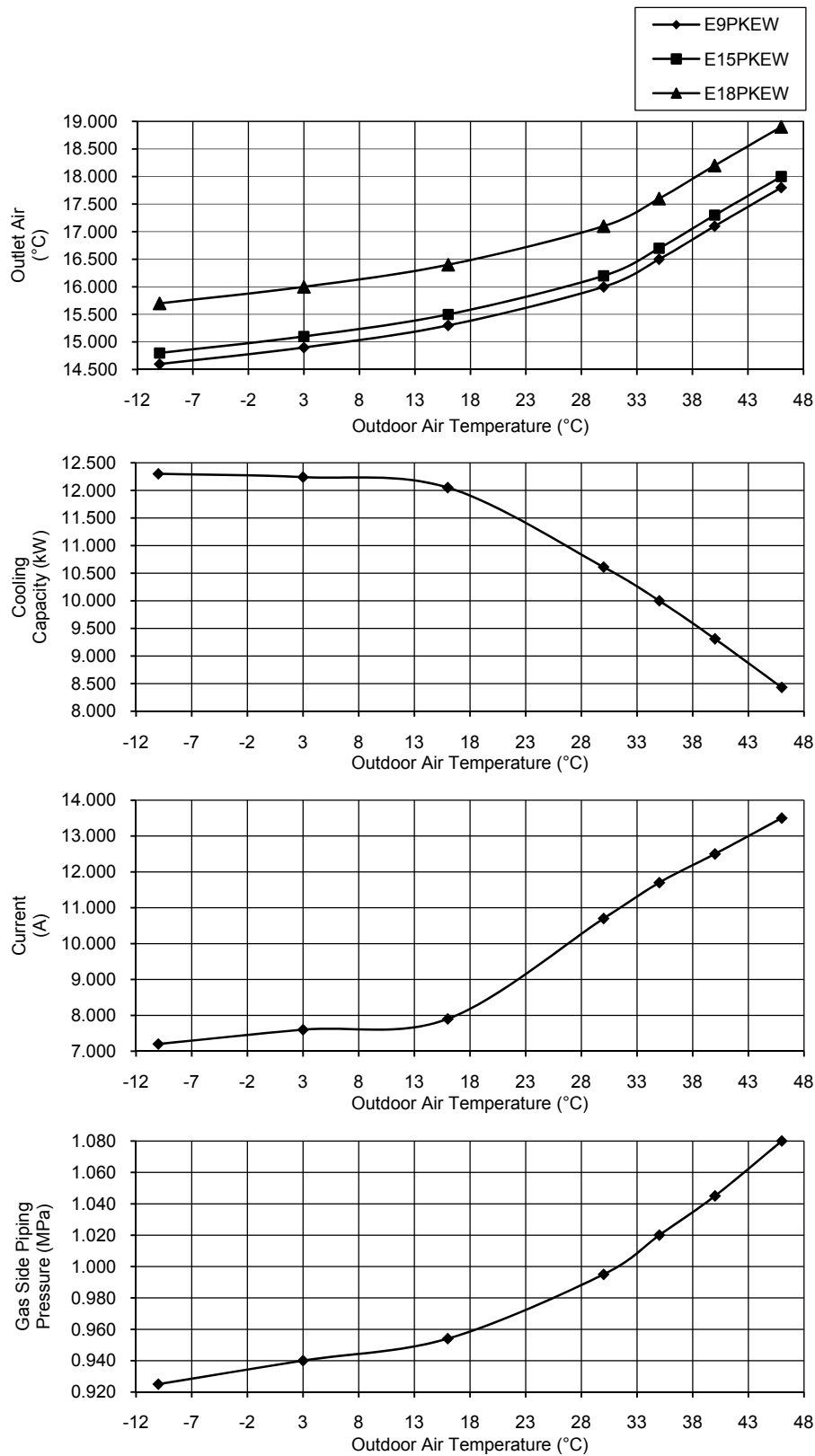
[Condition] Room temperature: 27°C (DBT), 19°C (WBT)

Operation condition: High fan speed

Piping Length: 5m

230V 50Hz

D) Indoor unit capacity: Cooling (2.5 + 4.0 + 5.0: CS-E9PKEW + CS-E15PKEW + CS-E18PKEW),
service mode frequency = 59 Hz



- Heating Characteristic

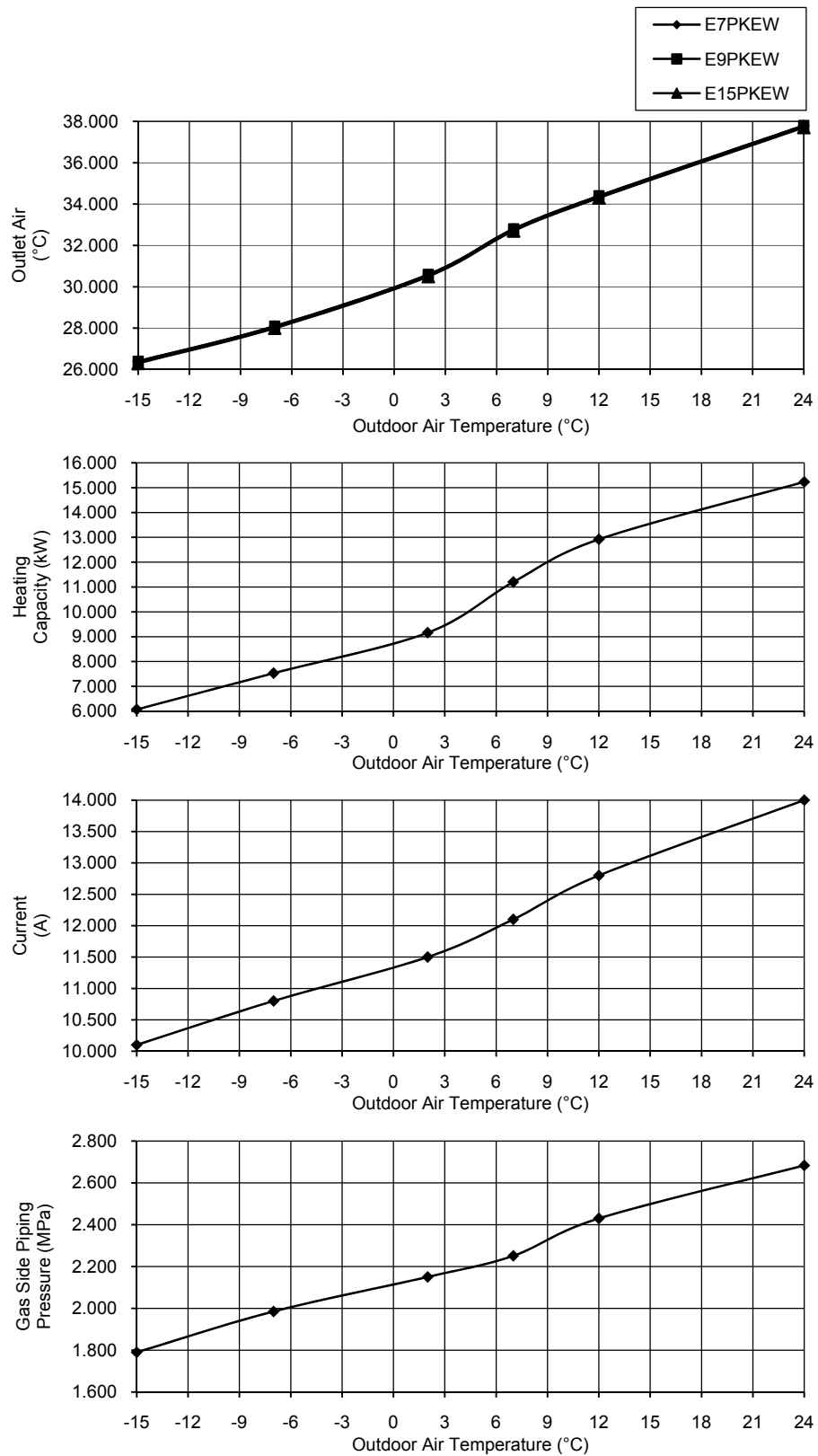
[Condition] Room temperature: 20°C (DBT), 12°C (WBT)

Operation condition: High fan speed

Piping Length: 5m

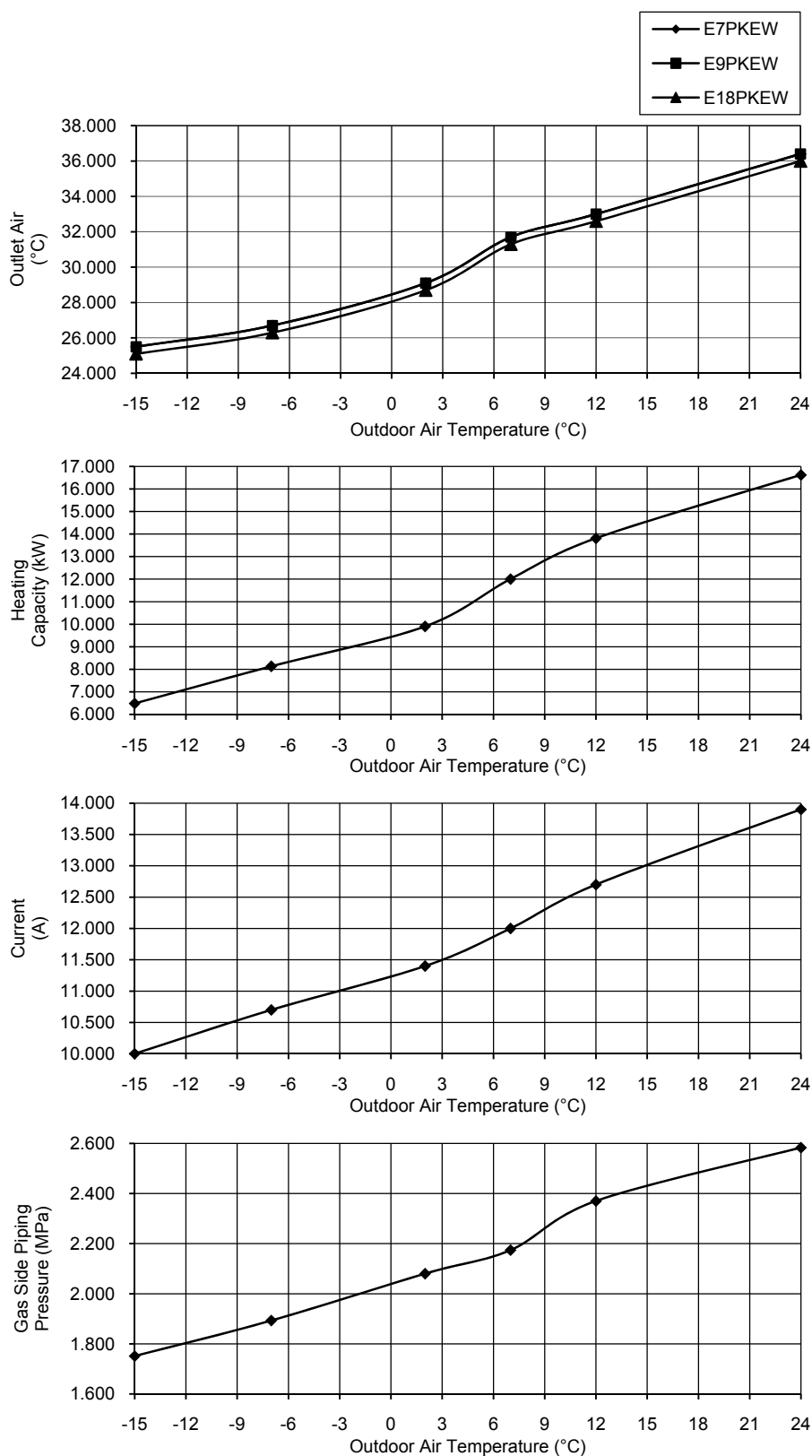
230V 50Hz

A) Indoor unit capacity: Heating (2.0 + 2.5 + 4.0: CS-E7PKEW + CS-E9PKEW + CS-E15PKEW),
service mode frequency = 77 Hz



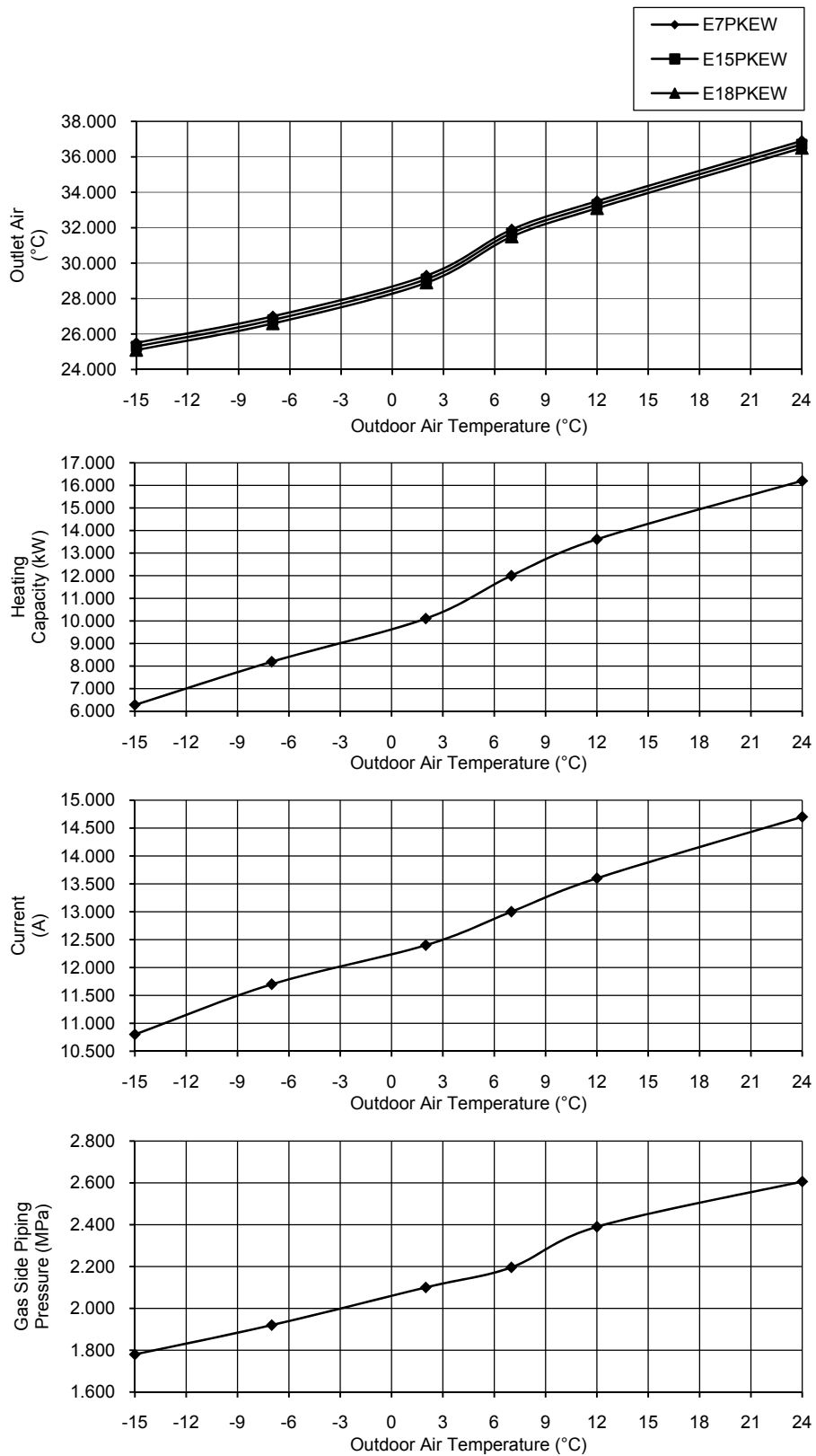
- Heating Characteristic
- [Condition] Room temperature: 20°C (DBT), 12°C (WBT)
 Operation condition: High fan speed
 Piping Length: 5m
 230V 50Hz

B) Indoor unit capacity: Heating (2.0 + 2.5 + 5.0: CS-E7PKEW + CS-E9PKEW + CS-E18PKEW),
 service mode frequency = 77 Hz



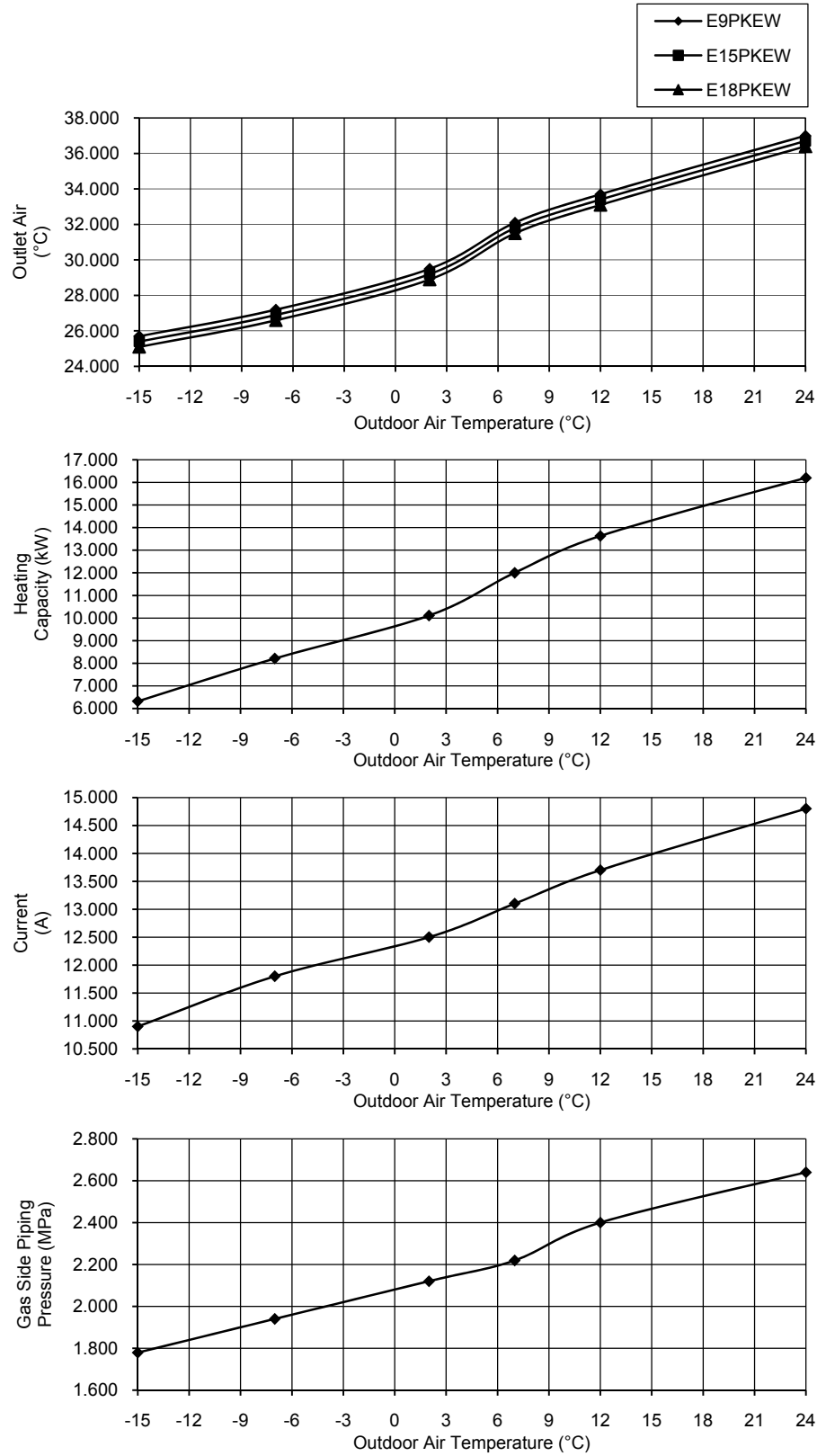
- Heating Characteristic
- [Condition] Room temperature: 20°C (DBT), 12°C (WBT)
 Operation condition: High fan speed
 Piping Length: 5m
 230V 50Hz

C) Indoor unit capacity: Heating (2.0 + 4.0 + 5.0: CS-E7PKEW + CS-E15PKEW + CS-E18PKEW),
 service mode frequency = 82 Hz



- Heating Characteristic
- [Condition] Room temperature: 20°C (DBT), 12°C (WBT)
Operation condition: High fan speed
Piping Length: 5m
230V 50Hz

D) Indoor unit capacity: Heating (2.5 + 4.0 + 5.0: CS-E9PKEW + CS-E15PKEW + CS-E18PKEW),
service mode frequency = 82 Hz



17.1.4 Four Indoor Unit Operation

- Cooling Characteristic

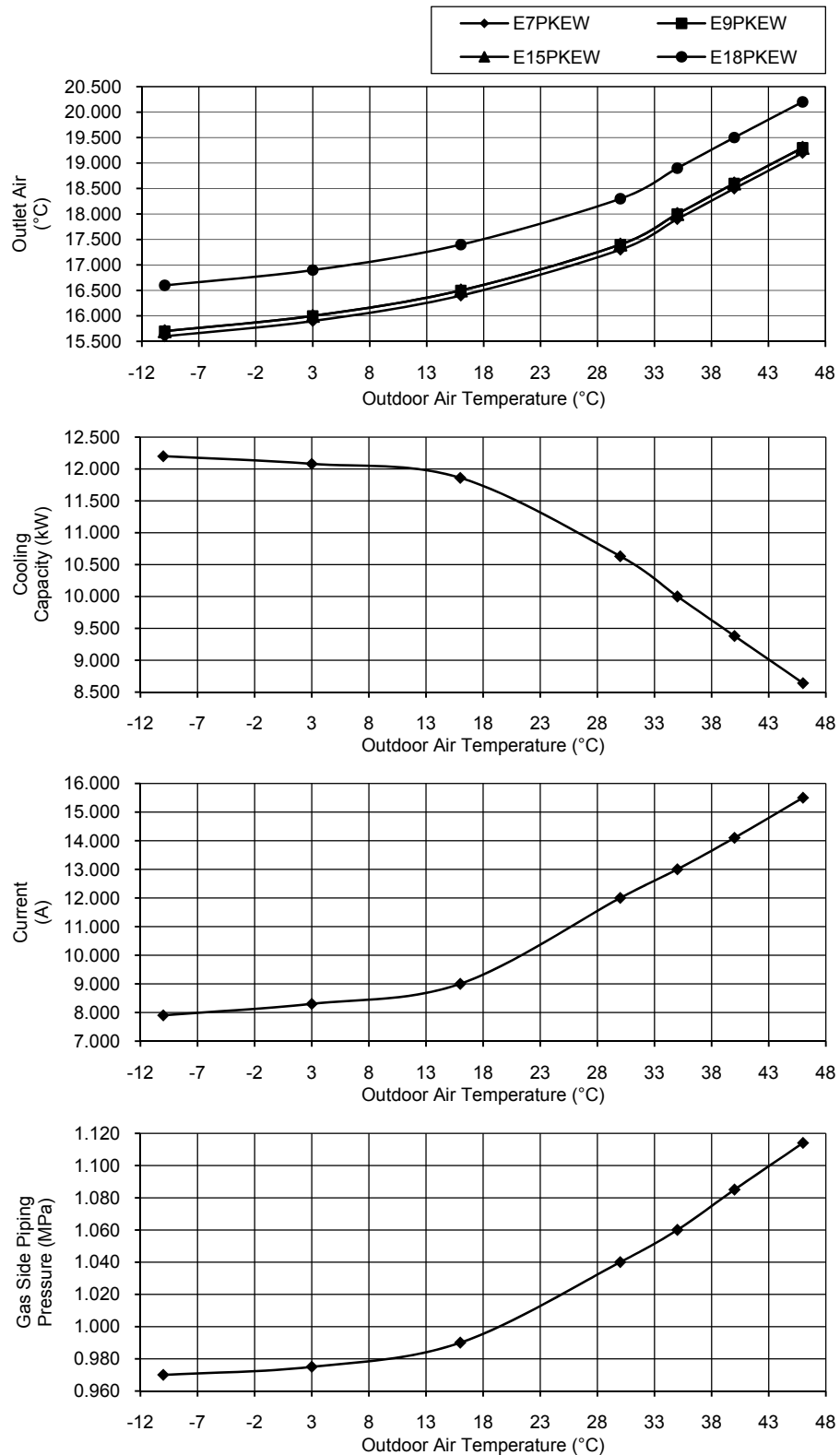
[Condition] Room temperature: 27°C (DBT), 19°C (WBT)

Operation condition: High fan speed

Piping Length: 5m

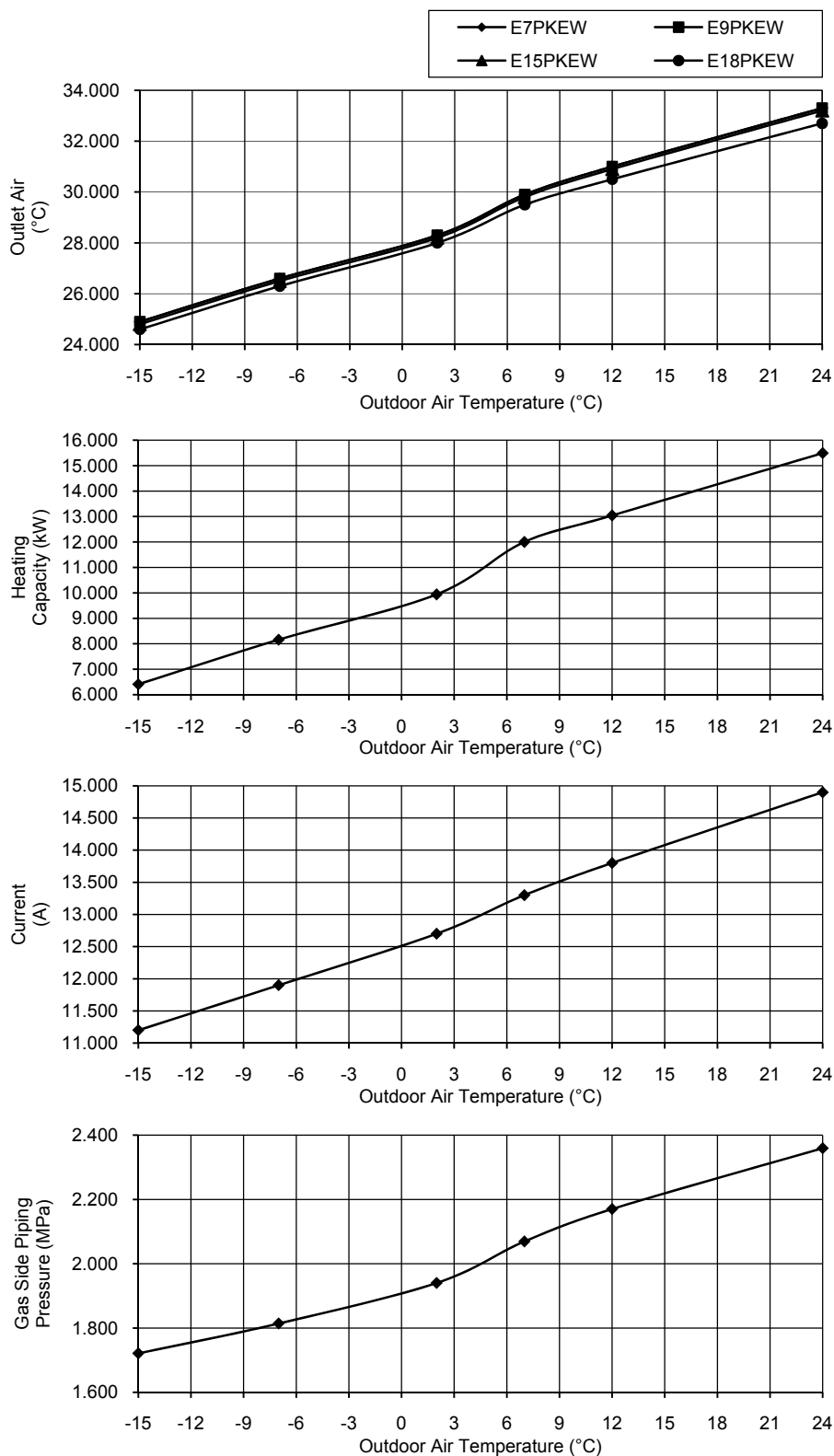
230V 50Hz

A) Indoor unit capacity: Cooling (2.0 + 2.5+ 4.0 + 5.0: CS-E7PKEW + CS-E9PKEW + CS-E15PKEW + CS-E18PKEW), service mode frequency = 65 Hz



- Heating Characteristic
- [Condition] Room temperature: 20°C (DBT), 12°C (WBT)
 Operation condition: High fan speed
 Piping Length: 5m
 230V 50Hz

A) Indoor unit capacity: Heating (2.0 + 2.5 + 4.0 + 5.0: CS-E7PKEW + CS-E9PKEW + CS-E15PKEW + CS-E18PKEW), service mode frequency = 86 Hz



17.1.5 Five Indoor Unit Operation

- Cooling Characteristic

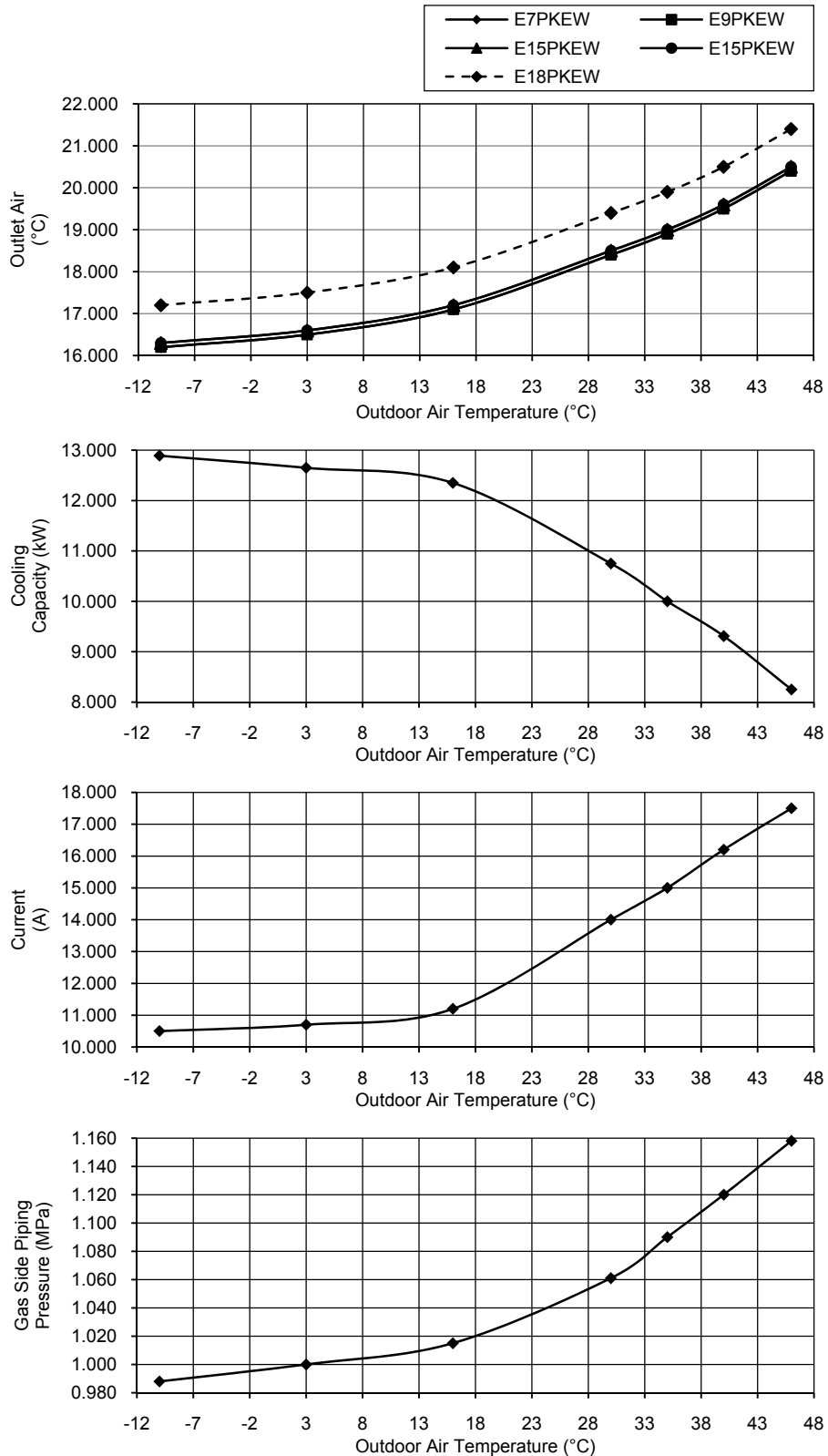
[Condition] Room temperature: 27°C (DBT), 19°C (WBT)

Operation condition: High fan speed

Piping Length: 5m

230V 50Hz

A) Indoor unit capacity: Cooling (2.0 + 2.5+ 4.0 + 4.0 + 5.0: CS-E7PKEW + CS-E9PKEW + CS-E15PKEW + CS-E15PKEW + CS-E18PKEW), service mode frequency = 75 Hz



- Heating Characteristic
- [Condition] Room temperature: 20°C (DBT), 12°C (WBT)
 Operation condition: High fan speed
 Piping Length: 5m
 230V 50Hz

A) Indoor unit capacity: Heating (2.0 + 2.5 + 4.0 + 4.0 + 5.0: CS-E7PKEW + CS-E9PKEW + CS-E15PKEW + CS-E15PKEW + CS-E18PKEW), service mode frequency = 95 Hz

