

# LG

# MULTI

Heat Pump  
R410A(60Hz)

0CIM0-04A (Replaces 0CIM0-03A)

# TOTAL HVAC SOLUTION PROVIDER

## ENGINEERING PRODUCT DATA BOOK

# MULTI

## Outdoor Unit

**General information**

**Multiple piping type**

**Installation of Outdoor Units**

# MULTI



## Outdoor Unit


### **General information**

- 1. Model Line Up**
- 2. Nomenclature**
- 3. External Appearance**
- 4. Indoor Unit and Outdoor Unit Capacity Index**

# 1. Model line up

## ■ Multiple piping type (1 phase)

Nominal Capacity(kW)		4.7	6.2	7.0
Model Name		A2UW18GFAC [A2UW18GFAC]	A3UW21GFAC [A3UW21GFAC]	A3UW24GFA3 [A3UW24GFA3]
No.of connectable indoor units		Max.2	Max.3	Max.3
Total capacity index of connectable indoor units	kBtu/h	24	30	36
Power supply		220V, 1Ø, 60Hz		
Chassis				

Nominal Capacity(kW)		7.9	10.3	14.0
Model Name		A4UW30GFA2 [A4UW30GFA2]	A5UW36GFA2 [A5UW36GFA2]	A5UW48GFA1 [A5UW48GFA1]
No.of connectable indoor units		Max.4	Max.5	Max.5
Total capacity index of connectable indoor units	kBtu/h	51	54	72
Power supply		220V, 1Ø, 60Hz		
Chassis				

### Note

All product data are based on buyer model name.

## 2. Nomenclature

### ◆ Outdoor Units

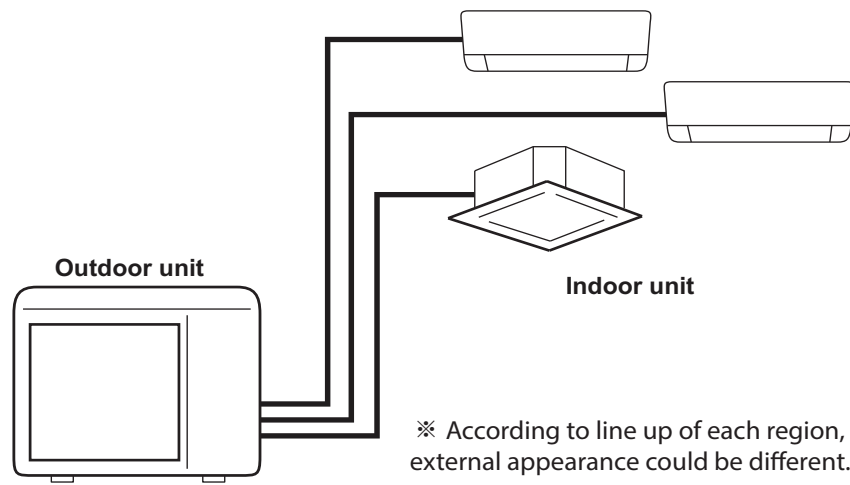
Model Name	A5U	W	36	G	F	A	2
No.	1	2	3	4	5	6	7

No.	Signification
1	<b>Indicates that this is multi system outdoor unit using R410A</b> Ex) A5U : Connectable max. 5 indoor units A9U : Connectable max. 9 indoor units
2	<b>Model type</b> W : DC inverter heat pump
3	<b>Cooling/heating capacity</b> Ex) 24,000 Btu/h Class → '24', 36,000 Btu/h Class → '36'
4	<b>Electrical rating</b> G : 220V, 1Ø, 60Hz
5	<b>Multi type</b> F : Free joint multi type
6	<b>Function</b> A : Basic
7	<b>Serial number</b>

### 3. External Appearance

LG multi system provides various indoor units such as wall mounted, ceiling cassette, ceiling concealed duct, etc.

#### ■ MULTI F



## 4. Indoor Unit and Outdoor Unit Capacity Index

### 4.1 Selection procedure

#### ■ Outdoor units selection

In general, outdoor unit may be selected as follows, though the location of the unit, and usage of the room, etc. should be considered.

The combination of indoor and outdoor unit was to be decided that the sum of indoor unit capacity index should be smaller than the max. combination capacity of outdoor unit. Up to Max.9 indoor units can be connected to one outdoor unit. It is recommended to choose a large capacity outdoor unit if the installation space is large enough.

#### ◆ MULTI Inverter (1 phase)

Nominal Capacity(kW)		4.7	6.2	7.0
Global model name		A2UW18GFAC [A2UW18GFAC]	A3UW21GFAC [A3UW21GFAC]	A3UW24GFA3 [A3UW24GFA3]
Rated capacity (kW)	Cooling	4.69	6.15	7.03
	Heating	5.28	6.15	7.91
Connectable indoor units	Number of indoor units	Max. 2 Units	Max. 3 Units	Max. 3 Units
	Maximum Total Capacity Index (kBtu/h)	24	30	36

Nominal Capacity(kW)		7.9	10.3	14.0
Global model name		A4UW30GFA2 [A4UW30GFA2]	A5UW36GFA2 [A5UW36GFA2]	A5UW48GFA1 [A5UW48GFA1]
Rated capacity (kW)	Cooling	7.91	10.26	14.01
	Heating	9.09	10.55	14.65
Connectable indoor units	Number of indoor units	Max. 4 Units	Max. 5 Units	Max. 5 Units
	Maximum Total Capacity Index (kBtu/h)	51	54	72

#### ■ Indoor units selection

Look up the table on combination of indoor and outdoor unit, and determine the appropriate indoor unit capacity which satisfies the given thermal load.

For proper system operation, refer to the following:

1. At least 2 indoor units should be connected to outdoor unit.
2. Total capacity of indoor units connected should be minimum 40% of outdoor unit rated capacity.
3. Calculation method for the connectable total capacity of indoor unit sum up the capacity of indoor unit, but high static duct type indoor unit capacity weights 1.3 times.

Indoor Unit Model Name	-07G-	-09G-	-12G-	-18G-	-24G-
Capacity Index (kBtu/h)	7	9	12	18	24

#### Note

All product data are based on buyer model name.

## 4. Indoor Unit and Outdoor Unit Capacity Index

### 4.2 Combination of indoor and outdoor unit

The total capacity index of indoor units is the sum of capacity index of each units and should be within the capacity index of the outdoor unit.

Nominal Capacity of Outdoor Unit		MULTI F		
		4.7 kW	6.2 kW	7.0 kW / 7.9 kW / 10.3 kW / 14.0 kW
Indoor Unit Type	Indoor Unit Capacity Index (kBtu/h)	Connectable Indoor Units		
Wall mounted	7	○	○	○
	9	○	○	○
	12	○	○	○
	18	-	○	○
	24	-	-	○
ART COOL Mirror	7	○	○	○
	9	○	○	○
	12	○	○	○
	18	-	○	○
	24	-	-	○
Ceiling Cassette (1-way)	9	○	○	○
	12	○	○	○
	18	-	○	○
Ceiling Concealed Duct (Low Static Pressure)	9	○	○	○
	12	○	○	○
	18	-	○	○
	24	-	-	○



# MULTI

## Outdoor Unit

### **Multiple piping type**

- 1.List of Functions**
- 2.Specifications**
- 3.Dimensions**
- 4.Combination Table**
- 5.Capacity Tables**
- 6.Capacity Correction Factor**
- 7.Electrical Characteristics**
- 8.Operation Range**
- 9.Piping Diagrams**
- 10.Wiring Diagrams**
- 11.Sound Levels**

# 1. List of functions

## ◆ Basic functions of Outdoor Unit

Category	Functions	A2UW18GFAC A3UW21GFAC
Reliability	Defrost / Deicing	O
	High pressure switch	X
	Phase protection	X
	Restart delay (3-minutes)	O
	Self diagnosis	O
	Soft start	O
Convenience	Night Low Noise Operation	O
	Wiring Error Check	O
	Peak Control	O
	Mode Lock	O
	Forced Cooling Operation (Outdoor Unit)	O
	SLC (Smart Load Control)	X

### Note

1. O : Applied, X : Not applied

Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.

Accessory line-ups varies by region, so check your local catalogue or local sales material.

## ◆ Accessory Compatibility List

Category	Product	Etc	A2UW18GFAC A3UW21GFAC	
Central Controller	Simple	PQCSZ250S0	AC EZ	X
	AC Ez Touch	PACEZA000	AC Ez Touch	X
	AC Smart	PACS5A000	AC Smart 5	X
	ACP	PACP5A000	ACP 5	X
	AC Manager <sup>2)</sup>	PACM5A000	AC Manager 5	X
Gateway	ODU PI485	PMNFP14A1	PI 485 Gateway	X
	BACnet	PQNFB17C0	ACP BACnet	X
	Lonworks	PLNWKB000	ACP Lonworks	X
ETC	PDI	PPWRDB000	PDI Standard	X
		PQNUD1S40	PDI Premium	X

### Note

1. O: Possible, X: Impossible, -: Not applicable

2. \*: Some advanced functions controlled by individual controller cannot be operated.

3. <sup>2)</sup>: ACP or AC Smart is needed.

4. Compatibility of individual controller(wireless/wired remote controller) could be found with function list on Indoor Unit's PDB.

5. If you need more detail, please refer to the **BECON** PDB or the manual of product.

(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON))

# 1. List of functions

## ◆ Basic functions of Outdoor Unit

Category	Functions	A3UW24GFA3 A4UW30GFA2 A5UW36GFA2 A5UW48GFA1
Reliability	Defrost / Deicing	O
	High pressure switch	X
	Phase protection	X
	Restart delay (3-minutes)	O
	Self diagnosis	O
	Soft start	O
Convenience	Night Low Noise Operation	O
	Wiring Error Check	O
	Peak Control	O
	Mode Lock	O
	Forced Cooling Operation (Outdoor Unit)	O
	SLC (Smart Load Control)	O

### Note

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Accessory : Ordered and purchased separately the accessory package referring to the model name provided and install at field.

Accessory line-ups varies by region, so check your local catalogue or local sales material.

## ◆ Accessory Compatibility List

Category	Product	Etc	A3UW24GFA3 A4UW30GFA2 A5UW36GFA2 A5UW48GFA1	
Central Controller	Simple	PQCSZ250S0	AC EZ	O
	AC Ez Touch	PACEZA000	AC Ez Touch	O
	AC Smart	PACS5A000	AC Smart 5	O
	ACP	PACP5A000	ACP 5	O
	AC Manager <sup>2)</sup>	PACM5A000	AC Manager 5	O
Gateway	ODU PI485	PMNFP14A1	PI 485 Gateway	O
	BACnet	PQNFB17C0	ACP BACnet	O
	Lonworks	PLNWKB000	ACP Lonworks	O
ETC	PDI	PPWRDB000	PDI Standard	O
		PQNUD1S40	PDI Premium	O

### Note

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2. \* : Some advanced functions controlled by individual controller cannot be operated.

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5. If you need more detail, please refer to the **BECON** PDB or the manual of product.

(<http://partner.lge.com/global> : Home> Doc.Library> Product > Control(BECON))

## 2. Specifications

Model Names			A2UW18GFAC	
Combination	Sum of Indoor Units Capacity		kBtu/h	24
	Number of Indoor Units		EA	2
	Number of BD Units		EA	-
Cooling Capacity*	Min.~Rated~Max.		kW	1.23 ~ 4.69 ~ 5.39
	Min.~Rated~Max.		Btu/h	4,200 ~ 16,000 ~ 18,400
Heating Capacity*	Min.~Rated~Max.		kW	1.48 ~ 5.28 ~ 5.69
	Min.~Rated~Max.		Btu/h	5,040 ~ 18,000 ~ 19,400
Power Input	Cooling*	Min.~Rated~Max.	kW	0.31 ~ 1.25 ~ 1.70
	Heating*	Min.~Rated~Max.	kW	0.36 ~ 1.20 ~ 1.65
Power Supply			V, Ø, Hz	220, 1, 60
Running Current	Cooling*	Min.~Rated~Max.	A	1.1 ~ 5.6 ~ 7.9
	Heating*	Min.~Rated~Max.	A	1.1 ~ 5.5 ~ 7.6
Power Factor			Rated	0.94
Power Supply Cable (included Earth)			No. × mm <sup>2</sup>	3C × 2.5
Casing Color			-	Warm Gray
Dimensions		W × H × D	mm	770 × 545 × 288
Net Weight			kg (lbs)	35.7 (78.7)
Shipping Weight			kg (lbs)	38.5 (84.9)
Compressor	Type		-	Twin Rotary
	Model		Model × No.	GAT156MA × 1
	Motor type		-	BLDC
	Motor Output		W × No.	1,500 (at 60Hz) × 1
Refrigerant	Type		-	R410A
	GWP (Global Warming Potential)		-	2087.5
	Precharged Amount		g (oz)	1,450 (51.2)
	t-CO <sub>2</sub> eq.		-	3.027
	Control		-	Electronic Expansion Valve
	Chargeless-Pipe Length		m (ft)	30 (98.4)
Additional Charging Volume		g/m (oz/ft)	20 (0.22)	
Refrigerant Oil	Type		-	RB68A
	Charged volume		cc × No.	400 × 1
Heat Exchanger		(Row×Column×Fins per inch) × No.	-	(2 × 24 × 14) × 1
Fan	Type		-	Propeller
	Air Flow Rate		m <sup>3</sup> /min × No.	28.2 × 1
Fan Motor	Type		-	BLDC
	Output		W × No.	43 × 1
Sound Pressure Level	Cooling	Rated	dB(A)	48
	Heating	Rated	dB(A)	51
Sound Power Level	Cooling	Max.	dB(A)	63
Piping Connections	Liquid	Outer Dia. × No.	mm(inch)	Ø 6.35(1/4) × 2
	Gas	Outer Dia. × No.	mm(inch)	Ø 9.52(3/8) × 2
Piping Length	Total Piping	Max.	m (ft)	30 (98.4)
	Main Piping	Standard	m (ft)	-
		Max.	m (ft)	-
	Total Branch	Max.	m (ft)	-
		Standard	m (ft)	7.5 (24.6)
Maximum Height Difference	ODU~IDU	Max.	m (ft)	15 (49.2)
	IDU~IDU	Max.	m (ft)	7.5 (24.6)
Operation Range (Outdoor Temperature)	Cooling	Min. ~ Max.	°C(°F)DB	-5 (23.0) ~ 48 (118.4)
	Heating	Min. ~ Max.	°C(°F)WB	-10 (14.0) ~ 18 (64.4)

**Note**

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- This product contains Fluorinated greenhouse gases.

## 2. Specifications

Model Names			A3UW21GFAC	
Combination	Sum of Indoor Units Capacity		kBtu/h	30
	Number of Indoor Units		EA	3
	Number of BD Units		EA	-
Cooling Capacity*	Min.~Rated~Max.		kW	1.23 ~ 6.15 ~ 7.03
	Min.~Rated~Max.		Btu/h	4,200 ~ 21,000 ~ 24,000
Heating Capacity*	Min.~Rated~Max.		kW	1.48 ~ 6.15 ~ 7.03
	Min.~Rated~Max.		Btu/h	5,040 ~ 21,000 ~ 24,000
Power Input	Cooling*	Min.~Rated~Max.	kW	0.31 ~ 1.66 ~ 2.55
	Heating*	Min.~Rated~Max.	kW	0.36 ~ 1.54 ~ 2.61
Power Supply			V, Ø, Hz	220, 1, 60
Running Current	Cooling*	Min.~Rated~Max.	A	1.1 ~ 7.5 ~ 11.5
	Heating*	Min.~Rated~Max.	A	1.1 ~ 7.0 ~ 11.8
Power Factor			Rated	0.94
Power Supply Cable (included Earth)			No. × mm <sup>2</sup>	3C × 2.5
Casing Color				Warm Gray
Dimensions		W × H × D	mm	770 × 545 × 288
Net Weight			kg (lbs)	36.7 (80.9)
Shipping Weight			kg (lbs)	39.5 (87.1)
Compressor	Type			Twin Rotary
	Model		Model × No.	GAT156MA × 1
	Motor type			BLDC
	Motor Output		W × No.	1,500 (at 60Hz) × 1
Refrigerant	Type			R410A
	GWP (Global Warming Potential)			2087.5
	Precharged Amount		g (oz)	1,450 (51.2)
	t-CO <sub>2</sub> eq.			3.027
	Control			Electronic Expansion Valve
	Chargeless-Pipe Length		m (ft)	30 (98.4)
Additional Charging Volume			g/m (oz/ft)	20 (0.22)
Refrigerant Oil	Type			RB68A
	Charged volume		cc × No.	400 × 1
Heat Exchanger			(Row×Column×Fins per inch) × No.	(2 × 24 × 14) × 1
Fan	Type			Propeller
	Air Flow Rate		m <sup>3</sup> /min × No.	28.2 × 1
Fan Motor	Type			BLDC
	Output		W × No.	43 × 1
Sound Pressure Level	Cooling	Rated	dB(A)	49
	Heating	Rated	dB(A)	52
Sound Power Level	Cooling	Max.	dB(A)	64
Piping Connections	Liquid	Outer Dia. × No.	mm(inch)	Ø 6.35(1/4) × 3
	Gas	Outer Dia. × No.	mm(inch)	Ø 9.52(3/8) × 3
Piping Length	Total Piping	Max.	m (ft)	40 (131.2)
	Main Piping	Standard	m (ft)	-
		Max.	m (ft)	-
	Total Branch	Max.	m (ft)	-
	Each Branch	Standard	m (ft)	7.5 (24.6)
		Max.	m (ft)	20 (65.6)
Maximum Height Difference	ODU~IDU	Max.	m (ft)	15 (49.2)
	IDU~IDU	Max.	m (ft)	7.5 (24.6)
Operation Range (Outdoor Temperature)	Cooling	Min. ~ Max.	°C(°F)DB	-5 (23.0) ~ 48 (118.4)
	Heating	Min. ~ Max.	°C(°F)WB	-10 (14.0) ~ 18 (64.4)

**Note**

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- This product contains Fluorinated greenhouse gases.

## 2. Specifications

Model Names			A3UW24GFA3	
Combination	Sum of Indoor Units Capacity		kBtu/h	36
	Number of Indoor Units		EA	3
	Number of BD Units		EA	-
Cooling Capacity*	Min.~Rated~Max.		kW	1.23 ~ 7.03 ~ 7.91
	Min.~Rated~Max.		Btu/h	4,200 ~ 24,000 ~ 27,000
Heating Capacity*	Min.~Rated~Max.		kW	1.48 ~ 7.91 ~ 8.50
	Min.~Rated~Max.		Btu/h	5,040 ~ 27,000 ~ 29,000
Power Input	Cooling*	Min.~Rated~Max.	kW	0.32 ~ 1.71 ~ 2.77
	Heating*	Min.~Rated~Max.	kW	0.35 ~ 1.97 ~ 2.85
Power Supply			V, Ø, Hz	220, 1, 60
Running Current	Cooling*	Min.~Rated~Max.	A	1.5 ~ 7.8 ~ 12.5
	Heating*	Min.~Rated~Max.	A	1.6 ~ 8.9 ~ 12.9
Power Factor			Rated	-
Power Supply Cable (included Earth)			No. × mm <sup>2</sup>	3C × 2.5
Casing Color				Warm Gray
Dimensions		W × H × D	mm	870 × 650 × 330
Net Weight			kg (lbs)	46.0 (101.4)
Shipping Weight			kg (lbs)	50.0 (110.2)
Compressor	Type			Twin Rotary
	Model		Model × No.	GKT208MA × 1
	Motor type			BLDC
	Motor Output		W × No.	1,500 (at 60Hz) × 1
Refrigerant	Type			R410A
	GWP (Global Warming Potential)			2087.5
	Precharged Amount		g (oz)	1,800 (63.5)
	t-CO <sub>2</sub> eq.			3.758
	Control			Electronic Expansion Valve
	Chargeless-Pipe Length		m (ft)	30 (98.4)
Additional Charging Volume			g/m (oz/ft)	20 (0.22)
Refrigerant Oil	Type			PVE
	Charged volume		cc × No.	670 × 1
Heat Exchanger			(Row×Column×Fins per inch) × No.	(2 × 28 × 14) × 1
Fan	Type			Propeller
	Air Flow Rate		m <sup>3</sup> /min × No.	50 × 1
Fan Motor	Type			BLDC
	Output		W × No.	85.4 × 1
Sound Pressure Level	Cooling	Rated	dB(A)	50
	Heating	Rated	dB(A)	54
Sound Power Level	Cooling	Max.	dB(A)	66
Piping Connections	Liquid	Outer Dia. × No.	mm(inch)	Ø 6.35 (1/4) × 3
	Gas	Outer Dia. × No.	mm(inch)	Ø 9.52 (3/8) × 3
Piping Length	Total Piping	Max.	m (ft)	50 (164.0)
	Main Piping	Standard	m (ft)	-
		Max.	m (ft)	-
	Total Branch	Max.	m (ft)	-
	Each Branch	Standard	m (ft)	7.5 (24.6)
		Max.	m (ft)	25 (82.0)
Maximum Height Difference	ODU~IDU	Max.	m (ft)	15 (49.2)
	IDU~IDU	Max.	m (ft)	7.5 (24.6)
Operation Range (Outdoor Temperature)	Cooling	Min. ~ Max.	°C(°F)DB	-10 (14.0) ~ 48 (118.4)
	Heating	Min. ~ Max.	°C(°F)WB	-18 (-0.4) ~ 18 (64.4)

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Therefore, these values can be increased owing to ambient conditions during operation.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- This product contains Fluorinated greenhouse gases.

## 2. Specifications

Model Names			A4UW30GFA2			
Combination	Sum of Indoor Units Capacity		kBtu/h	51		
	Number of Indoor Units		EA	4		
	Number of BD Units		EA	-		
Cooling Capacity*	Min.~Rated~Max.		kW	1.32 ~ 7.91 ~ 9.50		
	Min.~Rated~Max.		Btu/h	4,500 ~ 27,000 ~ 32,400		
Heating Capacity*	Min.~Rated~Max.		kW	1.47 ~ 9.09 ~ 10.55		
	Min.~Rated~Max.		Btu/h	5,000 ~ 31,000 ~ 36,000		
Power Input	Cooling*	Min.~Rated~Max.	kW	0.42 ~ 1.98 ~ 3.18		
	Heating*	Min.~Rated~Max.	kW	0.61 ~ 2.12 ~ 3.46		
Power Supply			V, Ø, Hz	220, 1, 60		
Running Current	Cooling*	Min.~Rated~Max.	A	1.9 ~ 8.9~ 14.4		
	Heating*	Min.~Rated~Max.	A	2.8 ~ 9.6~ 15.7		
Power Factor			Rated	-		
Power Supply Cable (included Earth)			No. × mm <sup>2</sup>	3C × 2.5		
Casing Color				Warm Gray		
Dimensions			W × H × D	950 × 834 × 330		
Net Weight			kg (lbs)	61.0 (134.4)		
Shipping Weight			kg (lbs)	68.0 (149.9)		
Compressor	Type			Twin Rotary		
	Model		Model × No.	GJT240MA × 1		
	Motor type			BLDC		
	Motor Output		W × No.	2,020 (at 60Hz) × 1		
Refrigerant	Type			R410A		
	GWP (Global Warming Potential)			2087.5		
	Precharged Amount		g (oz)	2,800 (98.8)		
	t-CO <sub>2</sub> eq.			5.85		
	Control			Electronic Expansion Valve		
	Chargeless-Pipe Length		m (ft)	37.5 (123.0)		
Additional Charging Volume			g/m (oz/ft)	20 (0.22)		
Refrigerant Oil	Type			FVC68D		
	Charged volume		cc × No.	900 × 1		
Heat Exchanger			(Row×Column×Fins per inch) × No.	(2 × 38 × 14) × 1		
Fan	Type			Propeller		
	Air Flow Rate		m <sup>3</sup> /min × No.	60 × 1		
Fan Motor	Type			BLDC		
	Output		W × No.	124.2 × 1		
Sound Pressure Level	Cooling	Rated	dB(A)	50		
	Heating	Rated	dB(A)	54		
Sound Power Level			Cooling	Max.	dB(A)	65
Piping Connections	Liquid	Outer Dia. × No.	mm(inch)	Ø 6.35 (1/4) × 4		
	Gas	Outer Dia. × No.	mm(inch)	Ø 9.52 (3/8) × 4		
Piping Length	Total Piping	Max.	m (ft)	70 (229.7)		
	Main Piping	Standard	m (ft)	-		
		Max.	m (ft)	-		
	Total Branch	Max.	m (ft)	-		
	Each Branch	Standard	m (ft)	7.5 (24.6)		
		Max.	m (ft)	25 (82.0)		
Maximum Height Difference	ODU~IDU	Max.	m (ft)	15 (49.2)		
	IDU~IDU	Max.	m (ft)	7.5 (24.6)		
Operation Range (Outdoor Temperature)	Cooling	Min. ~ Max.	°C(°F)DB	-10 (14.0) ~ 48 (118.4)		
	Heating	Min. ~ Max.	°C(°F)WB	-18 (-0.4) ~ 18 (64.4)		

**Note**

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- This product contains Fluorinated greenhouse gases.

## 2. Specifications

Model Names			A5UW36GFA2	
Combination	Sum of Indoor Units Capacity		kBtu/h	54
	Number of Indoor Units		EA	5
	Number of BD Units		EA	-
Cooling Capacity*	Min.~Rated~Max.		kW	1.32 ~ 10.26 ~ 10.55
	Min.~Rated~Max.		Btu/h	4,500 ~ 35,000 ~ 36,000
Heating Capacity*	Min.~Rated~Max.		kW	1.47 ~ 10.11 ~ 12.13
	Min.~Rated~Max.		Btu/h	5,000~ 34,500 ~ 41,400
Power Input	Cooling*	Min.~Rated~Max.	kW	0.42 ~ 3.03 ~ 4.17
	Heating*	Min.~Rated~Max.	kW	0.61 ~ 2.50 ~ 4.02
Power Supply			V, Ø, Hz	220, 1, 60
Running Current	Cooling*	Min.~Rated~Max.	A	1.9 ~ 13.7 ~ 16.2
	Heating*	Min.~Rated~Max.	A	2.8 ~ 11.3 ~ 16.8
Power Factor			Rated	0.96
Power Supply Cable (included Earth)			No. × mm <sup>2</sup>	3C × 2.5
Casing Color				Warm Gray
Dimensions		W × H × D	mm	950 × 834 × 330
Net Weight			kg (lbs)	61.0 (134.4)
Shipping Weight			kg (lbs)	68.0(149.9)
Compressor	Type			Twin Rotary
	Model		Model × No.	GJT240MA × 1
	Motor type			BLDC
	Motor Output		W × No.	2,020 (at 60Hz) × 1
Refrigerant	Type			R410A
	GWP (Global Warming Potential)			2087.5
	Precharged Amount		g (oz)	3,200 (112.9)
	t-CO <sub>2</sub> eq.			6.68
	Control			Electronic Expansion Valve
	Chargeless-Pipe Length		m (ft)	37.5 (123.0)
Additional Charging Volume			g/m (oz/ft)	20 (0.22)
Refrigerant Oil	Type			FVC68D
	Charged volume		cc × No.	900 × 1
Heat Exchanger			(Row×Column×Fins per inch) × No.	(2 × 38 × 14) × 1
Fan	Type			Propeller
	Air Flow Rate		m <sup>3</sup> /min × No.	60 × 1
Fan Motor	Type			BLDC
	Output		W × No.	124.2 × 1
Sound Pressure Level	Cooling	Rated	dB(A)	50
	Heating	Rated	dB(A)	54
Sound Power Level	Cooling	Max.	dB(A)	66
Piping Connections	Liquid	Outer Dia. × No.	mm(inch)	Ø 6.35 (1/4) × 5
	Gas	Outer Dia. × No.	mm(inch)	Ø 9.52 (3/8) × 5
Piping Length	Total Piping	Max.	m (ft)	75 (246.1)
	Main Piping	Standard	m (ft)	-
		Max.	m (ft)	-
	Total Branch	Max.	m (ft)	-
	Each Branch	Standard	m (ft)	7.5 (24.6)
		Max.	m (ft)	25 (82.0)
Maximum Height Difference	ODU~IDU	Max.	m (ft)	15 (49.2)
	IDU~IDU	Max.	m (ft)	7.5 (24.6)
Operation Range (Outdoor Temperature)	Cooling	Min. ~ Max.	°C(°F)DB	-10 (14.0) ~ 48 (118.4)
	Heating	Min. ~ Max.	°C(°F)WB	-18 (-0.4) ~ 18 (64.4)

**Note**

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- This product contains Fluorinated greenhouse gases.



## 2. Specifications

Model Names			A5UW48GFA1	
Combination	Sum of Indoor Units Capacity		kBtu/h	72
	Number of Indoor Units		EA	5
	Number of BD Units		EA	-
Cooling Capacity*	Min.~Rated~Max.		kW	1.32 ~ 14.01 ~ 14.65
	Min.~Rated~Max.		Btu/h	4,500 ~ 47,800 ~ 50,000
Heating Capacity*	Min.~Rated~Max.		kW	1.47 ~ 14.65 ~ 15.97
	Min.~Rated~Max.		Btu/h	5,000~ 50,000 ~ 54,500
Power Input	Cooling*	Min.~Rated~Max.	kW	0.40 ~ 4.67 ~ 5.50
	Heating*	Min.~Rated~Max.	kW	0.42 ~ 4.02 ~ 5.60
Power Supply			V, Ø, Hz	220, 1, 60
Running Current	Cooling*	Min.~Rated~Max.	A	1.8 ~ 21.2 ~ 24.9
	Heating*	Min.~Rated~Max.	A	1.9 ~ 18.1 ~ 25.4
Power Factor			Rated	0.96
Power Supply Cable (included Earth)			No. × mm <sup>2</sup>	3C × 3.5
Casing Color				Warm Gray
Dimensions		W × H × D	mm	950 × 834 × 330
Net Weight			kg (lbs)	73.0 (160.9)
Shipping Weight			kg (lbs)	79.0 (174.2)
Compressor	Type			Scroll
	Model		Model × No.	RJA036MAA × 1
	Motor type			BLDC
	Motor Output		W × No.	3,200 (at 60Hz) × 1
Refrigerant	Type			R410A
	GWP (Global Warming Potential)			2087.5
	Precharged Amount		g (oz)	3,400 (119.9)
	t-CO <sub>2</sub> eq.			7.098
	Control			Electronic Expansion Valve
	Chargeless-Pipe Length		m (ft)	37.5 (123.0)
Additional Charging Volume			g/m (oz/ft)	20 (0.22)
Refrigerant Oil	Type			FVC68D
	Charged volume		cc × No.	1,100 × 1
Heat Exchanger			(Row×Column×Fins per inch) × No.	(3 × 38 × 14) × 1
Fan	Type			Propeller
	Air Flow Rate		m <sup>3</sup> /min × No.	80 × 1
Fan Motor	Type			BLDC
	Output		W × No.	200 × 1
Sound Pressure Level	Cooling	Rated	dB(A)	53
	Heating	Rated	dB(A)	55
Sound Power Level	Cooling	Max.	dB(A)	67
Piping Connections	Liquid	Outer Dia. × No.	mm(inch)	Ø 6.35 (1/4) × 5
	Gas	Outer Dia. × No.	mm(inch)	Ø 9.52 (3/8) × 5
Piping Length	Total Piping	Max.	m (ft)	85 (278.9)
	Main Piping	Standard	m (ft)	-
		Max.	m (ft)	-
	Total Branch	Max.	m (ft)	-
	Each Branch	Standard	m (ft)	7.5 (24.6)
		Max.	m (ft)	25 (82.0)
Maximum Height Difference	ODU~IDU	Max.	m (ft)	15 (49.2)
	IDU~IDU	Max.	m (ft)	7.5 (24.6)
Operation Range (Outdoor Temperature)	Cooling	Min. ~ Max.	°C(°F)DB	-10 (14.0) ~ 48 (118.4)
	Heating	Min. ~ Max.	°C(°F)WB	-25 (-13.0) ~ 18 (64.4)

**Note**

- Due to our policy of innovation some specifications may be changed without notification.
- Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
- Power factor could vary less than ±1% according to the operating conditions.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.
- Performances are based on the following conditions :
  - \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
  - \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected Pipe is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0m.
- This product contains Fluorinated greenhouse gases.

### 3. Dimensions

#### 3.1 Product

[U18A Chassis] A2UW18GFAC

[Unit: mm]  
Chassis code : U18A  
DWG No. : TBW35426701\_Rev.01

**Symbols**

- Datum line
- Refrigerant/Drain Piping Direction

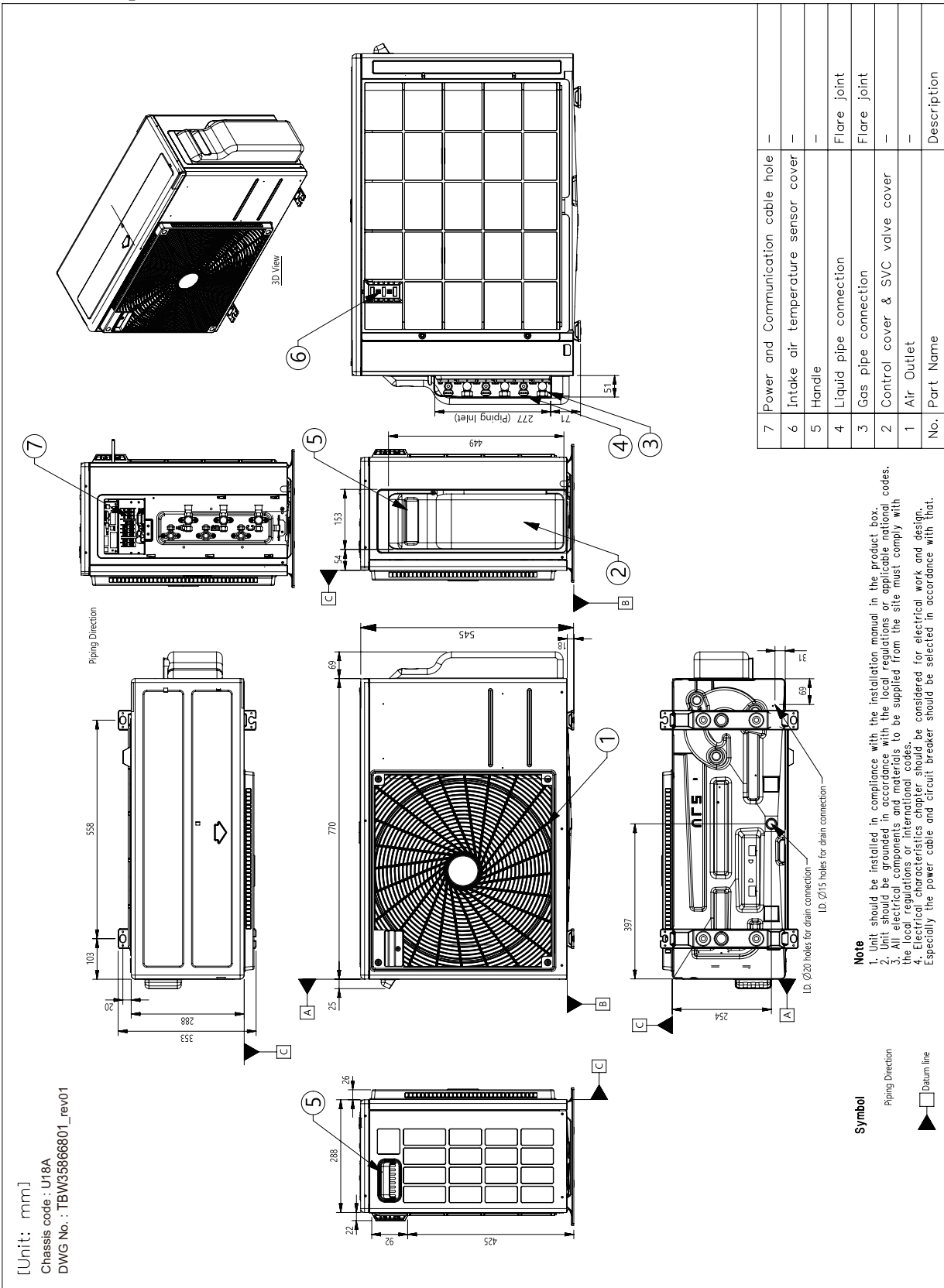
**Note**

1. Unit should be installed in compliance with the installation manual in the product box.
2. Unit should be grounded in accordance with the local regulations or applicable national codes.
3. All electrical components and materials to be supplied from the site must comply with the local regulations or international codes.
4. Electric characteristics chapter should be considered for electrical work and design. Especially, the power cable and circuit breaker should be selected in accordance with that.

No.	Part Name	Description
9	Intake air temperature sensor cover	-
8	Handle	-
7	Refrigerant pipe routing hole	-
6	Power and Communication cable routing hole	-
5	Liquid Pipe connection	-
4	Gas Pipe connection	-
3	Power and communication cable connection	-
2	Control cover & SVC valve cover	-
1	Air Outlet	-

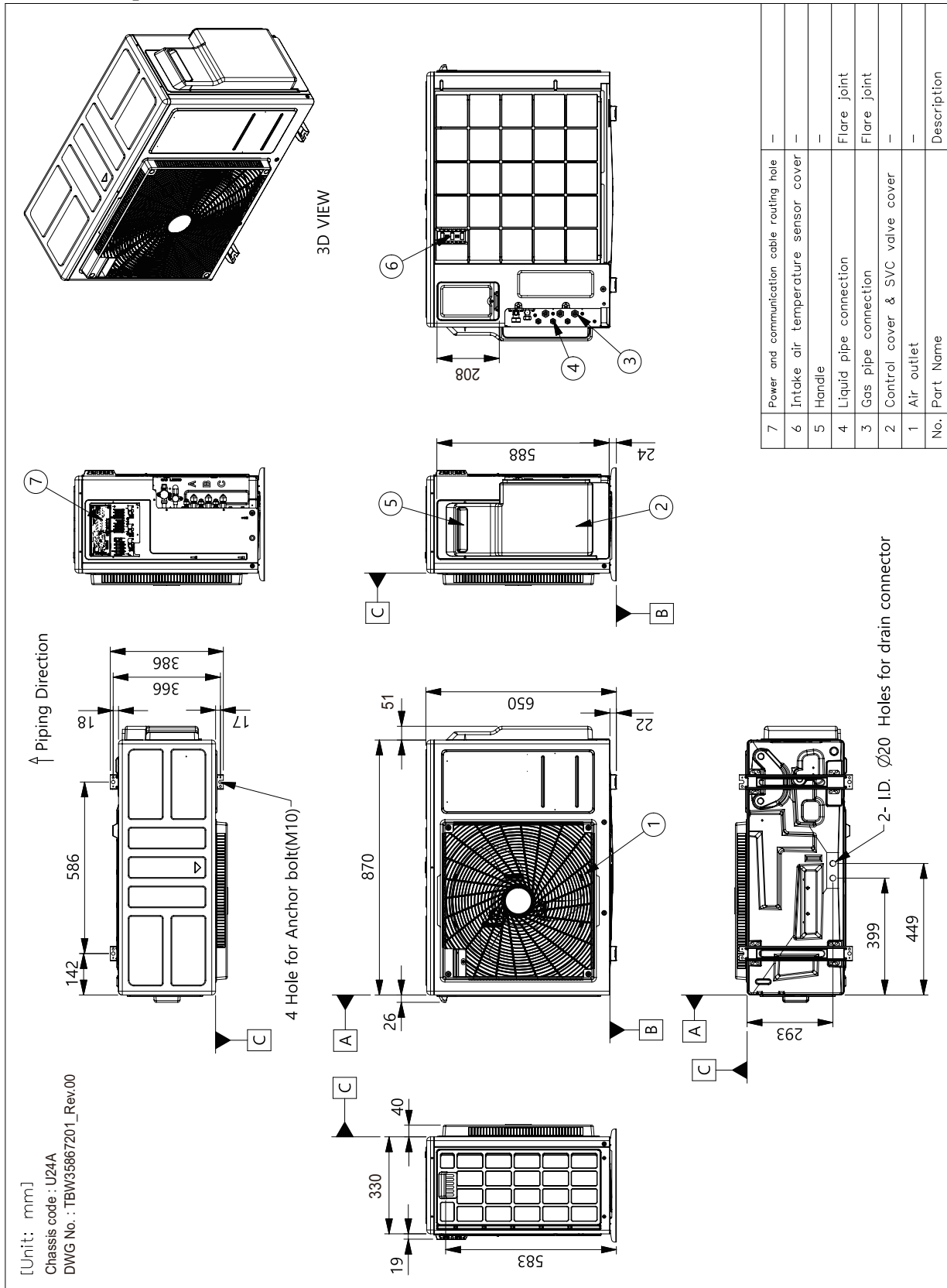
# 3. Dimensions

## [U18A Chassis] A3UW21GFAC



### 3. Dimensions

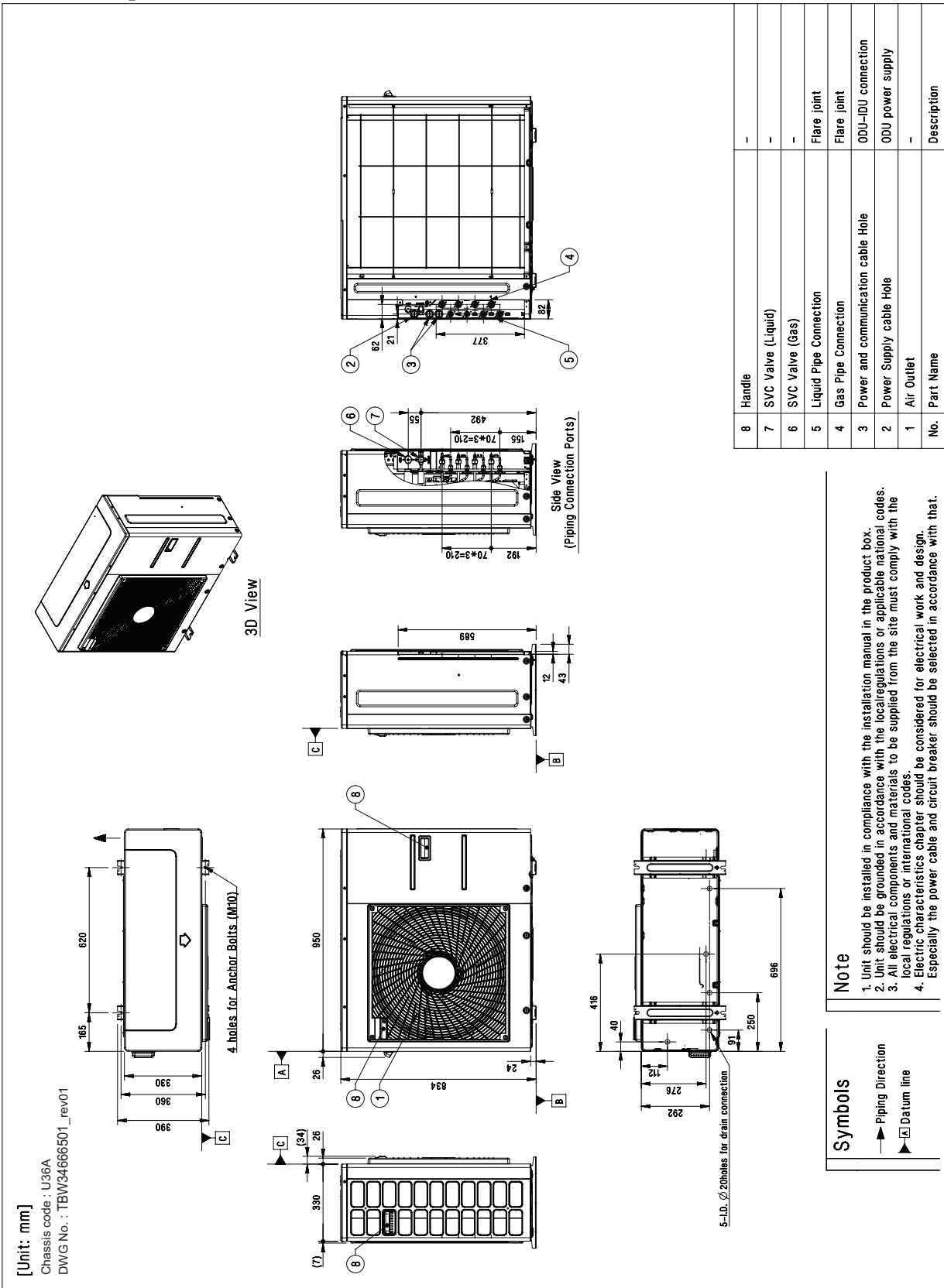
#### [U24A Chassis] A3UW24GFA3



No.	Part Name	Description
7	Power and communication cable routing hole	-
6	Intake air temperature sensor cover	-
5	Handle	-
4	Liquid pipe connection	Flare joint
3	Gas pipe connection	Flare joint
2	Control cover & SVC valve cover	-
1	Air outlet	-
	No.	Part Name
		Description

# 3. Dimensions

## [U36A Chassis] A4UW30GFA2



# 3. Dimensions

## [U36A Chassis] A5UW36GFA2, A5UW48GFA1

[Unit: mm]  
Chassis code : U36A  
DWG P/No. : TBW34826501\_Rev.01

3D View

No.	Part Name	Description
8	SVC Valve (Liquid)	Flare joint
7	SVC Valve (Gas)	Flare joint
6	Handle	-
5	Liquid pipe Connection	Flare joint
4	Gas pipe Connection	Flare joint
3	Power and Communication Cable hole	ODU-IPU connection
2	Power Supply cable Hole	ODU power supply
1	Air Outlet	-
No.	Part Name	Description

**Note**

- Unit should be installed in compliance with the installation manual in the product box.
- Unit should be grounded in accordance with the local regulations or applicable national codes.
- All electrical components and materials to be supplied from the site must comply with the local regulations or international codes.
- Electric characteristics chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.

**Symbols**

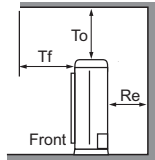
- ↑ Piping Direction
- Datum line

### 3. Dimensions

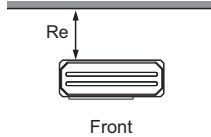
## 3.2 Installation Space\_ODU

For Side Discharge (capacity < 28.0 kW)

### Obstacle on the Suction side

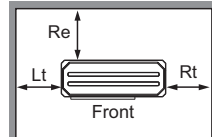


To ≥ 1,000(39-3/8)  
Tf ≤ 500(19-11/16)

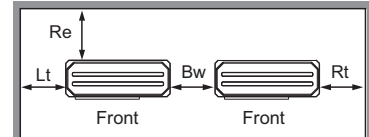


**Case 1**  
Re ≥ 100(3-15/16)  
**Case 2**  
Re ≥ 300(11-13/16)

※ Case 1 : No obstacle on top side  
Case 2 : Obstacle on top side



**Case 1**  
Re ≥ 100(3-15/16)  
Lt ≥ 100(3-15/16)  
Rt ≥ 100(3-15/16)  
**Case 2**  
Re ≥ 300(11-13/16)  
Lt ≥ 150(5-29/32)  
Rt ≥ 150(5-29/32)

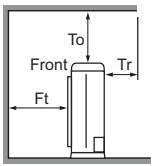
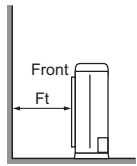


**Case 1**  
Re ≥ 300(11-13/16)  
Lt ≥ 1,000(39-3/8)  
Rt ≥ 200(7-7/8)  
Bw ≥ 100(3-15/16)  
**Case 2**  
Re ≥ 300(11-13/16)  
Lt ≥ 1,000(39-3/8)  
Rt ≥ 200(7-7/8)  
Bw ≥ 100(3-15/16)

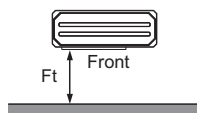
[Unit : mm(inch)]

### Obstacle on the Discharge side

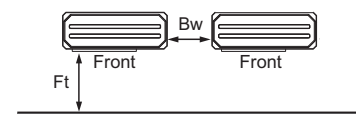
※ For Rear Piping / External SVC Valve type / Side-CBOX type  
: Re, Lt ≥ 300(11-13/16) and Rt, Bw, Rb ≥ 600(23-5/8) for ALL CASE.



To ≥ 1,000(39-3/8)  
Tr ≤ 500(19-11/16)



**Case 1**  
Ft ≥ 500(19-11/16)  
**Case 2**  
Ft ≥ 500(19-11/16)

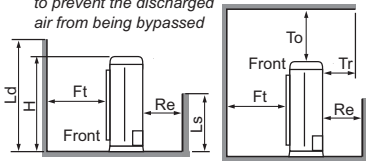


**Case 1**  
Ft ≥ 1,000(39-3/8)  
Bw ≥ 100(3-15/16)  
**Case 2**  
Ft ≥ 1,000(39-3/8)  
Bw ≥ 100(3-15/16)

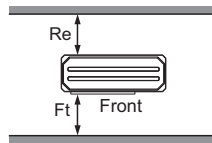
### Obstacle on the Suction and Discharge side

Ld > H (Ls should be lower H.)

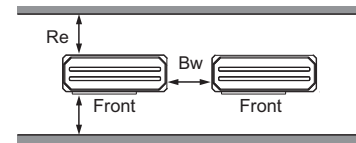
※ Close the bottom of the installation frame to prevent the discharged air from being bypassed



To ≥ 1,000(39-3/8)  
Tf ≤ 500(19-11/16)

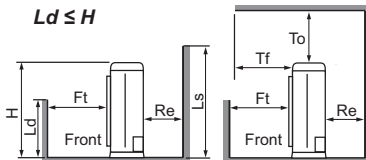


**Case 1**  
Ft ≥ 500(19-11/16)  
Re ≥ 300(11-13/16)  
**Case 2**  
Ft ≥ 1,000(39-3/8) \*  
Re ≥ 300(11-13/16)  
\* If Ls ≤ H/2,  
Ft ≥ 750(29-17/32)



**Case 1**  
Ft ≥ 1,000(39-3/8)  
Re ≥ 300(11-13/16)  
Bw ≥ 100(3-15/16)  
**Case 2**  
Ft ≥ 1,250(49-7/32)  
Re ≥ 300(11-13/16)  
Bw ≥ 100(3-15/16)

Ld ≤ H

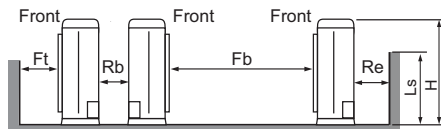


**Case 1**  
Ft ≥ 500(19-11/16)  
Re ≥ 300(11-13/16)  
To ≥ 1,000(39-3/8)  
Tf ≤ 500(19-11/16)  
**Case 2**  
Ft ≥ 1,000(39-3/8)  
Re ≥ 300(11-13/16)

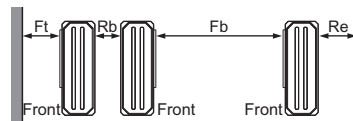
**Case 1**  
Ft ≥ 1,500(59-1/16)  
Re ≥ 300(11-13/16)  
Bw ≥ 100(3-15/16)  
**Case 2**  
Ft ≥ 1,500(59-1/16)  
Re ≥ 300(11-13/16)  
Bw ≥ 100(3-15/16)

※ In case of series installation (2 Units or more) for 2 Fan models, Ld should be lower than H/2.

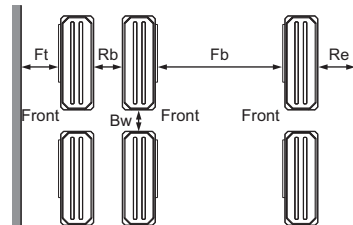
### Collective/Continuous Installation (Multiple Columns)



※ In case of Multiple columns/continuous installation, Ls should be lower than H.



**1 Column**  
Ft ≥ 1,000(39-3/8)  
Rb ≥ 200(7-7/8)  
Fb ≥ 2,000(78-3/4)  
Re ≥ 100(3-15/16)



**Multiple Columns**  
Ft ≥ 1,500(59-1/16)  
Rb ≥ 600(23-5/8)  
Fb ≥ 3,000(118-1/8)  
Re ≥ 300(11-13/16)  
Bw ≥ 100(3-15/16)

### Note

- If there is a concern about product performance degradation due to group installation or interference with obstacles, secure an additional separation distance.
- Secure enough space for adequate service and maintenance.

# 4. Combination Table

The individual indoor unit capacity can be calculated as follow depending on the total connected capacity of all indoor units.

$$[ Q_{idu(Combi)} ] = [ Q_{odu(rated)} ] \times [ Q_{idu(rated,each)} ] / [ Q_{idu(rated,total)} ]$$

$Q_{idu(Combi)}$  : Individual indoor unit combinational capacity

$Q_{odu(rated)}$  : Outdoor unit rated capacity

$Q_{idu(rated,each)}$  : Capacity of individual indoor unit

$Q_{idu(rated,total)}$  : Total sum of capacity for connected indoor units

## Important

In case that the connected indoor units include high static duct type, capacity index of high static duct indoor unit should be multiplied by 1.3 times when calculate the 'Combination Ratio'.

## 4.1 A2UW18GFAC

### ◆ Cooling

Combination (Capacity index, kBtu/h)						Cooling									
						Total Capacity						Input (W)			
						Min		Rated		Max					
Unit-A	Unit-B	Unit-C	Unit-D	Unit-E	Total	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rated	Max	
1 Unit Operation															
7	-	-	-	-	7	4,200	1.23	7,000	2.05	8,050	2.36	307	547	692	
9	-	-	-	-	9	5,400	1.58	9,000	2.64	10,350	3.03	412	684	875	
12	-	-	-	-	12	7,200	2.11	12,000	3.52	13,800	4.04	547	937	1,190	
2 Units Operation															
7	7	-	-	-	14	8,400	2.46	14,000	4.10	16,100	4.72	591	1,000	1,379	
7	9	-	-	-	16	9,600	2.81	16,000	4.69	18,400	5.39	665	1,253	1,699	
9	9	-	-	-	18	9,600	2.81	16,000	4.69	18,400	5.39	665	1,253	1,699	
7	12	-	-	-	19	9,600	2.81	16,000	4.69	18,400	5.39	665	1,253	1,699	
9	12	-	-	-	21	9,600	2.81	16,000	4.69	18,400	5.39	665	1,253	1,699	
12	12	-	-	-	24	9,600	2.81	16,000	4.69	18,400	5.39	665	1,253	1,699	

**Note**

- Capacities are based on the following conditions :
  - Cooling : Indoor Ambient Temp. 27°CDB/19°CWB, Outdoor Ambient Temp. 35°CDB/24°CWB
  - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected piping is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0 m.
- At least two indoor units should be connected. And minimum limit of combination ratio is 40% approximately for rated capacity of outdoor unit.
- Don't exceed the maximum connectable indoor units number, it can be found in Specifications or combination table of outdoor unit model.

### ◆ Heating

Combination (Capacity index, kBtu/h)						Heating									
						Total Capacity						Input (W)			
						Min		Rated		Max					
Unit-A	Unit-B	Unit-C	Unit-D	Unit-E	Total	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rated	Max	
1 Unit Operation															
7	-	-	-	-	7	5,040	1.48	8,400	2.46	9,240	2.71	355	604	721	
9	-	-	-	-	9	6,480	1.90	10,800	3.17	11,880	3.48	454	758	920	
12	-	-	-	-	12	7,920	2.32	13,200	3.87	14,520	4.26	554	942	1,155	
2 Units Operation															
7	7	-	-	-	14	9,600	2.81	16,000	4.69	18,400	5.39	613	1,068	1,451	
7	9	-	-	-	16	10,800	3.17	18,000	5.28	19,400	5.69	706	1,197	1,650	
9	9	-	-	-	18	10,800	3.17	18,000	5.28	19,400	5.69	706	1,197	1,650	
7	12	-	-	-	19	10,800	3.17	18,000	5.28	19,400	5.69	706	1,197	1,650	
9	12	-	-	-	21	10,800	3.17	18,000	5.28	19,400	5.69	706	1,197	1,650	
12	12	-	-	-	24	10,800	3.17	18,000	5.28	19,400	5.69	706	1,197	1,650	

**Note**

- Capacities are based on the following conditions :
  - Cooling : Indoor Ambient Temp. 27°CDB/19°CWB, Outdoor Ambient Temp. 35°CDB/24°CWB
  - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected piping is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0 m.
- At least two indoor units should be connected. And minimum limit of combination ratio is 40% approximately for rated capacity of outdoor unit.
- Don't exceed the maximum connectable indoor units number, it can be found in Specifications or combination table of outdoor unit model.



## 4. Combination Table

### 4.2 A3UW21GFAC

◆ Cooling

Combination (Capacity index, kBtu/h)						Cooling									
						Total Capacity						Input (W)			
						Min		Rated		Max					
Unit-A	Unit-B	Unit-C	Unit-D	Unit-E	Total	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rated	Max	
1 Unit Operation															
7	-	-	-	-	7	4,200	1.23	7,000	2.05	8,050	2.36	307	547	692	
9	-	-	-	-	9	5,400	1.58	9,000	2.64	10,350	3.03	412	684	875	
12	-	-	-	-	12	7,200	2.11	12,000	3.52	13,800	4.04	547	937	1,190	
18	-	-	-	-	18	10,800	3.17	18,000	5.28	20,700	6.07	919	1,608	1,882	
2 Units Operation															
7	7	-	-	-	14	8,400	2.46	14,000	4.10	16,100	4.72	591	1,000	1,379	
7	9	-	-	-	16	9,600	2.81	16,000	4.69	18,400	5.39	665	1,253	1,699	
9	9	-	-	-	18	10,800	3.17	18,000	5.28	20,700	6.07	843	1,522	2,049	
7	12	-	-	-	19	11,400	3.34	19,000	5.57	21,850	6.40	932	1,657	2,223	
9	12	-	-	-	21	12,600	3.69	21,000	6.15	24,000	7.03	1,110	1,926	2,550	
12	12	-	-	-	24	12,600	3.69	21,000	6.15	24,000	7.03	1,110	1,926	2,550	
7	18	-	-	-	25	12,600	3.69	21,000	6.15	24,000	7.03	1,110	1,926	2,550	
9	18	-	-	-	27	12,600	3.69	21,000	6.15	24,000	7.03	1,110	1,926	2,550	
12	18	-	-	-	30	12,600	3.69	21,000	6.15	24,000	7.03	1,110	1,926	2,550	
3 Units Operation															
7	7	7	-	-	21	12,600	3.69	21,000	6.15	24,000	7.03	1,047	1,660	2,406	
7	7	9	-	-	23	12,600	3.69	21,000	6.15	24,000	7.03	1,047	1,660	2,406	
7	9	9	-	-	25	12,600	3.69	21,000	6.15	24,000	7.03	1,047	1,660	2,406	
7	7	12	-	-	26	12,600	3.69	21,000	6.15	24,000	7.03	1,047	1,660	2,406	
9	9	9	-	-	27	12,600	3.69	21,000	6.15	24,000	7.03	1,047	1,660	2,406	
7	9	12	-	-	28	12,600	3.69	21,000	6.15	24,000	7.03	1,047	1,660	2,406	
9	9	12	-	-	30	12,600	3.69	21,000	6.15	24,000	7.03	1,047	1,660	2,406	
<b>Note</b>															
1. Capacities are based on the following conditions :															
- Cooling : Indoor Ambient Temp. 27°CDB/19°CWB, Outdoor Ambient Temp. 35°CDB/24°CWB															
- Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB															
- Interconnected piping is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0 m.															
2. At least two indoor units should be connected. And minimum limit of combination ratio is 40% approximately for rated capacity of outdoor unit.															
3. Don't exceed the maximum connectable indoor units number, it can be found in Specifications or combination table of outdoor unit model.															

# 4. Combination Table

## ◆ Heating

Combination (Capacity index, kBtu/h)						Heating								
						Total Capacity						Input (W)		
Unit-A	Unit-B	Unit-C	Unit-D	Unit-E	Total	Min		Rated		Max		Min	Rated	Max
						Btu/h	kW	Btu/h	kW	Btu/h	kW			
<b>1 Unit Operation</b>														
7	-	-	-	-	7	5,040	1.48	8,400	2.46	9,240	2.71	355	604	721
9	-	-	-	-	9	6,480	1.90	10,800	3.17	12,500	3.66	454	758	920
12	-	-	-	-	12	7,920	2.32	13,200	3.87	15,400	4.51	554	942	1,155
18	-	-	-	-	18	11,880	3.48	19,800	5.80	23,400	6.86	829	1,448	1,803
<b>2 Units Operation</b>														
7	7	-	-	-	14	10,080	2.95	16,800	4.92	19,320	5.66	613	1,068	1,451
7	9	-	-	-	16	11,520	3.38	19,200	5.63	22,080	6.47	851	1,390	2,135
9	9	-	-	-	18	12,600	3.69	21,000	6.15	24,000	7.03	1,030	1,632	2,610
7	12	-	-	-	19	12,600	3.69	21,000	6.15	24,000	7.03	1,030	1,632	2,610
9	12	-	-	-	21	12,600	3.69	21,000	6.15	24,000	7.03	1,030	1,632	2,610
12	12	-	-	-	24	12,600	3.69	21,000	6.15	24,000	7.03	1,030	1,632	2,610
7	18	-	-	-	25	12,600	3.69	21,000	6.15	24,000	7.03	1,030	1,632	2,610
9	18	-	-	-	27	12,600	3.69	21,000	6.15	24,000	7.03	1,030	1,632	2,610
12	18	-	-	-	30	12,600	3.69	21,000	6.15	24,000	7.03	1,030	1,632	2,610
<b>3 Units Operation</b>														
7	7	7	-	-	21	12,600	3.69	21,000	6.15	24,000	7.03	972	1,540	2,390
7	7	9	-	-	23	12,600	3.69	21,000	6.15	24,000	7.03	972	1,540	2,390
7	9	9	-	-	25	12,600	3.69	21,000	6.15	24,000	7.03	972	1,540	2,390
7	7	12	-	-	26	12,600	3.69	21,000	6.15	24,000	7.03	972	1,540	2,390
9	9	9	-	-	27	12,600	3.69	21,000	6.15	24,000	7.03	972	1,540	2,390
7	9	12	-	-	28	12,600	3.69	21,000	6.15	24,000	7.03	972	1,540	2,390
9	9	12	-	-	30	12,600	3.69	21,000	6.15	24,000	7.03	972	1,540	2,390

**Note**

- Capacities are based on the following conditions :
  - Cooling : Indoor Ambient Temp. 27°CDB/19°CWB, Outdoor Ambient Temp. 35°CDB/24°CWB
  - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected piping is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0 m.
- At least two indoor units should be connected. And minimum limit of combination ratio is 40% approximately for rated capacity of outdoor unit.
- Don't exceed the maximum connectable indoor units number, it can be found in Specifications or combination table of outdoor unit model.

# 4. Combination Table

## 4.3 A3UW24GFA3

### ◆ Cooling

Combination (Capacity index, kBtu/h)						Cooling									
						Total Capacity						Input (W)			
															Min
Unit-A	Unit-B	Unit-C	Unit-D	Unit-E	Total	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rated	Max	
<b>1 Unit Operation</b>															
7	-	-	-	-	7	4,200	1.23	7,000	2.05	8,400	2.46	325	488	658	
9	-	-	-	-	9	5,400	1.58	9,000	2.64	10,800	3.17	386	607	864	
12	-	-	-	-	12	7,200	2.11	12,000	3.52	14,400	4.22	488	838	1,162	
18	-	-	-	-	18	10,800	3.17	18,000	5.28	21,600	6.33	762	1,472	2,180	
24	-	-	-	-	24	14,400	4.22	24,000	7.03	25,000	7.33	1,028	2,343	2,770	
<b>2 Units Operation</b>															
7	7	-	-	-	14	8,400	2.46	14,000	4.10	16,800	4.92	444	879	1,286	
7	9	-	-	-	16	9,600	2.81	16,000	4.69	19,200	5.63	527	1,067	1,576	
9	9	-	-	-	18	10,800	3.17	18,000	5.28	21,600	6.33	615	1,274	1,899	
7	12	-	-	-	19	11,400	3.34	19,000	5.57	22,800	6.68	662	1,384	2,073	
9	12	-	-	-	21	12,600	3.69	21,000	6.15	24,150	7.08	759	1,620	2,280	
12	12	-	-	-	24	14,400	4.22	24,000	7.03	27,000	7.91	916	2,013	2,770	
7	18	-	-	-	25	14,400	4.22	24,000	7.03	27,000	7.91	916	2,013	2,770	
9	18	-	-	-	27	14,400	4.22	24,000	7.03	27,000	7.91	916	2,013	2,770	
12	18	-	-	-	30	14,400	4.22	24,000	7.03	27,000	7.91	916	2,013	2,770	
7	24	-	-	-	31	14,400	4.22	24,000	7.03	27,000	7.91	916	2,013	2,770	
9	24	-	-	-	33	14,400	4.22	24,000	7.03	27,000	7.91	916	2,013	2,770	
18	18	-	-	-	36	14,400	4.22	24,000	7.03	27,000	7.91	916	2,013	2,770	
12	24	-	-	-	36	14,400	4.22	24,000	7.03	27,000	7.91	916	2,013	2,770	
<b>3 Units Operation</b>															
7	7	7	-	-	21	12,600	3.69	21,000	6.15	25,200	7.39	669	1,388	2,113	
7	7	9	-	-	23	13,800	4.04	23,000	6.74	27,000	7.91	758	1,598	2,471	
7	9	9	-	-	25	14,400	4.22	24,000	7.03	27,000	7.91	804	1,711	2,471	
7	7	12	-	-	26	14,400	4.22	24,000	7.03	27,000	7.91	804	1,711	2,471	
9	9	9	-	-	27	14,400	4.22	24,000	7.03	27,000	7.91	804	1,711	2,471	
7	9	12	-	-	28	14,400	4.22	24,000	7.03	27,000	7.91	804	1,711	2,471	
9	9	12	-	-	30	14,400	4.22	24,000	7.03	27,000	7.91	804	1,711	2,471	
7	12	12	-	-	31	14,400	4.22	24,000	7.03	27,000	7.91	804	1,711	2,471	
7	7	18	-	-	32	14,400	4.22	24,000	7.03	27,000	7.91	804	1,711	2,471	
9	12	12	-	-	33	14,400	4.22	24,000	7.03	27,000	7.91	804	1,711	2,471	
7	9	18	-	-	34	14,400	4.22	24,000	7.03	27,000	7.91	804	1,711	2,471	
12	12	12	-	-	36	14,400	4.22	24,000	7.03	27,000	7.91	804	1,711	2,471	
9	9	18	-	-	36	14,400	4.22	24,000	7.03	27,000	7.91	804	1,711	2,471	

**Note**

- Capacities are based on the following conditions :
  - Cooling : Indoor Ambient Temp. 27°CDB/19°CWB, Outdoor Ambient Temp. 35°CDB/24°CWB
  - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected piping is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0 m.
- At least two indoor units should be connected. And minimum limit of combination ratio is 40% approximately for rated capacity of outdoor unit.
- Don't exceed the maximum connectable indoor units number, it can be found in Specifications or combination table of outdoor unit model.

### ◆ Heating

Combination (Capacity index, kBtu/h)						Heating									
						Total Capacity						Input (W)			
															Min
Unit-A	Unit-B	Unit-C	Unit-D	Unit-E	Total	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rated	Max	
<b>1 Unit Operation</b>															
7	-	-	-	-	7	5,040	1.48	8,400	2.46	9,660	2.83	349	591	758	
9	-	-	-	-	9	6,480	1.90	10,800	3.17	12,420	3.64	493	772	1,017	
12	-	-	-	-	12	7,920	2.32	13,200	3.87	15,180	4.45	548	973	1,259	
18	-	-	-	-	18	11,880	3.48	19,800	5.80	22,770	6.67	862	1,623	2,322	
24	-	-	-	-	24	15,240	4.47	25,400	7.44	26,670	7.82	1,123	2,020	2,850	
<b>2 Units Operation</b>															
7	7	-	-	-	14	10,080	2.95	16,800	4.92	20,160	5.91	564	1,123	1,580	
7	9	-	-	-	16	11,520	3.38	19,200	5.63	23,040	6.75	671	1,362	1,969	
9	9	-	-	-	18	12,960	3.80	21,600	6.33	25,920	7.60	784	1,625	2,453	
7	12	-	-	-	19	13,680	4.01	22,800	6.68	27,360	8.02	844	1,790	2,747	
9	12	-	-	-	21	15,120	4.43	25,200	7.39	29,000	8.50	968	2,151	2,850	
12	12	-	-	-	24	16,200	4.75	27,000	7.91	29,000	8.50	1,066	2,465	2,850	

**Note**

- Capacities are based on the following conditions :
  - Cooling : Indoor Ambient Temp. 27°CDB/19°CWB, Outdoor Ambient Temp. 35°CDB/24°CWB
  - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected piping is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0 m.
- At least two indoor units should be connected. And minimum limit of combination ratio is 40% approximately for rated capacity of outdoor unit.
- Don't exceed the maximum connectable indoor units number, it can be found in Specifications or combination table of outdoor unit model.

# 4. Combination Table

Combination (Capacity index, kBtu/h)						Heating								
						Total Capacity						Input (W)		
						Min		Rated		Max				
Unit-A	Unit-B	Unit-C	Unit-D	Unit-E	Total	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rated	Max
7	18	-	-	-	25	16,200	4.75	27,000	7.91	29,000	8.50	1,066	2,465	2,850
9	18	-	-	-	27	16,200	4.75	27,000	7.91	29,000	8.50	1,066	2,465	2,850
12	18	-	-	-	30	16,200	4.75	27,000	7.91	29,000	8.50	1,066	2,465	2,850
7	24	-	-	-	31	16,200	4.75	27,000	7.91	29,000	8.50	1,066	2,465	2,850
9	24	-	-	-	33	16,200	4.75	27,000	7.91	29,000	8.50	1,066	2,465	2,850
18	18	-	-	-	36	16,200	4.75	27,000	7.91	29,000	8.50	1,066	2,465	2,850
12	24	-	-	-	36	16,200	4.75	27,000	7.91	29,000	8.50	1,066	2,465	2,850
<b>3 Units Operation</b>														
7	7	7	-	-	21	15,120	4.43	25,200	7.39	29,000	8.50	792	1,731	2,750
7	7	9	-	-	23	16,200	4.75	27,000	7.91	29,000	8.50	871	1,973	2,750
7	9	9	-	-	25	16,200	4.75	27,000	7.91	29,000	8.50	871	1,973	2,750
7	7	12	-	-	26	16,200	4.75	27,000	7.91	29,000	8.50	871	1,973	2,750
9	9	9	-	-	27	16,200	4.75	27,000	7.91	29,000	8.50	871	1,973	2,750
7	9	12	-	-	28	16,200	4.75	27,000	7.91	29,000	8.50	871	1,973	2,750
9	9	12	-	-	30	16,200	4.75	27,000	7.91	29,000	8.50	871	1,973	2,750
7	12	12	-	-	31	16,200	4.75	27,000	7.91	29,000	8.50	871	1,973	2,750
7	7	18	-	-	32	16,200	4.75	27,000	7.91	29,000	8.50	871	1,973	2,750
9	12	12	-	-	33	16,200	4.75	27,000	7.91	29,000	8.50	871	1,973	2,750
7	9	18	-	-	34	16,200	4.75	27,000	7.91	29,000	8.50	871	1,973	2,750
12	12	12	-	-	36	16,200	4.75	27,000	7.91	29,000	8.50	871	1,973	2,750
9	9	18	-	-	36	16,200	4.75	27,000	7.91	29,000	8.50	871	1,973	2,750

**Note**

1. Capacities are based on the following conditions :

- Cooling : Indoor Ambient Temp. 27°CDB/19°CWB, Outdoor Ambient Temp. 35°CDB/24°CWB
- Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
- Interconnected piping is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0 m.

2. At least two indoor units should be connected. And minimum limit of combination ratio is 40% approximately for rated capacity of outdoor unit.

3. Don't exceed the maximum connectable indoor units number, it can be found in Specifications or combination table of outdoor unit model.

# 4. Combination Table

## 4.4 A4UW30GFA2

### ◆ Cooling

Combination (Capacity index, kBtu/h)						Cooling									
						Total Capacity						Input (W)			
												Min	Rated	Max	Min
Unit-A	Unit-B	Unit-C	Unit-D	Unit-E	Total	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rated	Max	
<b>1 Unit Operation</b>															
7	-	-	-	-	7	4,800	1.41	7,000	2.05	8,400	2.46	416	551	741	
9	-	-	-	-	9	5,400	1.58	9,000	2.64	10,800	3.17	416	689	961	
12	-	-	-	-	12	7,200	2.11	12,000	3.52	14,400	4.22	551	944	1,287	
18	-	-	-	-	18	10,800	3.17	18,000	5.28	21,600	6.33	858	1,482	2,013	
24	-	-	-	-	24	14,400	4.22	24,000	7.03	25,500	7.47	1,149	2,026	2,830	
<b>2 Units Operation</b>															
7	7	-	-	-	14	8,400	2.46	14,000	4.10	16,800	4.92	595	1,008	1,370	
7	9	-	-	-	16	9,600	2.81	16,000	4.69	19,200	5.63	670	1,169	1,588	
9	9	-	-	-	18	10,800	3.17	18,000	5.28	21,600	6.33	772	1,334	1,812	
7	12	-	-	-	19	11,400	3.34	19,000	5.57	22,800	6.68	798	1,418	1,943	
9	12	-	-	-	21	12,600	3.69	21,000	6.15	25,200	7.39	902	1,589	2,230	
12	12	-	-	-	24	14,400	4.22	24,000	7.03	28,800	8.44	1,034	1,823	2,756	
7	18	-	-	-	25	15,000	4.40	25,000	7.33	30,000	8.79	1,088	1,948	2,993	
9	18	-	-	-	27	16,200	4.75	27,000	7.91	31,050	9.10	1,169	2,212	3,180	
12	18	-	-	-	30	16,200	4.75	27,000	7.91	31,050	9.10	1,169	2,212	3,180	
7	24	-	-	-	31	16,200	4.75	27,000	7.91	31,050	9.10	1,169	2,212	3,180	
9	24	-	-	-	33	16,200	4.75	27,000	7.91	31,050	9.10	1,169	2,212	3,180	
18	18	-	-	-	36	16,200	4.75	27,000	7.91	31,050	9.10	1,169	2,212	3,180	
12	24	-	-	-	36	16,200	4.75	27,000	7.91	31,050	9.10	1,169	2,212	3,180	
18	24	-	-	-	42	16,200	4.75	27,000	7.91	31,050	9.10	1,169	2,212	3,180	
24	24	-	-	-	48	16,200	4.75	27,000	7.91	31,050	9.10	1,169	2,212	3,180	
<b>3 Units Operation</b>															
7	7	7	-	-	21	12,600	3.69	21,000	6.15	25,200	7.39	848	1,494	2,096	
7	7	9	-	-	23	13,800	4.04	23,000	6.74	27,600	8.09	922	1,630	2,441	
7	9	9	-	-	25	15,000	4.40	25,000	7.33	30,000	8.79	1,023	1,831	2,865	
7	7	12	-	-	26	15,600	4.57	26,000	7.62	31,200	9.14	1,073	1,953	3,063	
9	9	9	-	-	27	16,200	4.75	27,000	7.91	31,050	9.10	1,099	2,079	3,063	
7	9	12	-	-	28	16,200	4.75	27,000	7.91	31,050	9.10	1,099	2,079	3,063	
9	9	12	-	-	30	16,200	4.75	27,000	7.91	31,050	9.10	1,099	2,079	3,063	
7	12	12	-	-	31	16,200	4.75	27,000	7.91	31,050	9.10	1,099	2,079	3,063	
7	7	18	-	-	32	16,200	4.75	27,000	7.91	31,050	9.10	1,099	2,079	3,063	
9	12	12	-	-	33	16,200	4.75	27,000	7.91	31,050	9.10	1,099	2,079	3,063	
7	9	18	-	-	34	16,200	4.75	27,000	7.91	31,050	9.10	1,099	2,079	3,063	
12	12	12	-	-	36	16,200	4.75	27,000	7.91	31,050	9.10	1,099	2,079	3,063	
9	9	18	-	-	36	16,200	4.75	27,000	7.91	31,050	9.10	1,099	2,079	3,063	
7	12	18	-	-	37	16,200	4.75	27,000	7.91	31,050	9.10	1,099	2,079	3,063	
7	7	24	-	-	38	16,200	4.75	27,000	7.91	31,050	9.10	1,099	2,079	3,063	
9	12	18	-	-	39	16,200	4.75	27,000	7.91	31,050	9.10	1,099	2,079	3,063	
7	9	24	-	-	40	16,200	4.75	27,000	7.91	31,050	9.10	1,099	2,079	3,063	
12	12	18	-	-	42	16,200	4.75	27,000	7.91	31,050	9.10	1,099	2,079	3,063	
9	9	24	-	-	42	16,200	4.75	27,000	7.91	31,050	9.10	1,099	2,079	3,063	
7	18	18	-	-	43	16,200	4.75	27,000	7.91	31,050	9.10	1,099	2,079	3,063	
7	12	24	-	-	43	16,200	4.75	27,000	7.91	31,050	9.10	1,099	2,079	3,063	
9	18	18	-	-	45	16,200	4.75	27,000	7.91	31,050	9.10	1,099	2,079	3,063	
9	12	24	-	-	45	16,200	4.75	27,000	7.91	31,050	9.10	1,099	2,079	3,063	
12	18	18	-	-	48	16,200	4.75	27,000	7.91	31,050	9.10	1,099	2,079	3,063	
12	12	24	-	-	48	16,200	4.75	27,000	7.91	31,050	9.10	1,099	2,079	3,063	
7	18	24	-	-	49	16,200	4.75	27,000	7.91	31,050	9.10	1,099	2,079	3,063	
9	18	24	-	-	51	16,200	4.75	27,000	7.91	31,050	9.10	1,099	2,079	3,063	
<b>4 Units Operation</b>															
7	7	7	7	-	28	16,200	4.75	27,000	7.91	32,400	9.50	1,044	1,975	2,976	
7	7	7	9	-	30	16,200	4.75	27,000	7.91	32,400	9.50	1,044	1,975	2,976	
7	7	9	9	-	32	16,200	4.75	27,000	7.91	32,400	9.50	1,044	1,975	2,976	
7	7	7	12	-	33	16,200	4.75	27,000	7.91	32,400	9.50	1,044	1,975	2,976	
7	9	9	9	-	34	16,200	4.75	27,000	7.91	32,400	9.50	1,044	1,975	2,976	
7	7	9	12	-	35	16,200	4.75	27,000	7.91	32,400	9.50	1,044	1,975	2,976	
9	9	9	9	-	36	16,200	4.75	27,000	7.91	32,400	9.50	1,044	1,975	2,976	
7	9	9	12	-	37	16,200	4.75	27,000	7.91	32,400	9.50	1,044	1,975	2,976	
7	7	12	12	-	38	16,200	4.75	27,000	7.91	32,400	9.50	1,044	1,975	2,976	

**Note**

- Capacities are based on the following conditions :
  - Cooling : Indoor Ambient Temp. 27°CDB/19°CWB, Outdoor Ambient Temp. 35°CDB/24°CWB
  - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected piping is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0 m.
- At least two indoor units should be connected. And minimum limit of combination ratio is 40% approximately for rated capacity of outdoor unit.
- Don't exceed the maximum connectable indoor units number, it can be found in Specifications or combination table of outdoor unit model.

## 4. Combination Table

Combination (Capacity index, kBtu/h)						Cooling								
						Total Capacity						Input (W)		
						Min		Rated		Max				
Unit-A	Unit-B	Unit-C	Unit-D	Unit-E	Total	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rated	Max
9	9	9	12	-	39	16,200	4.75	27,000	7.91	32,400	9.50	1,044	1,975	2,976
7	7	7	18	-	39	16,200	4.75	27,000	7.91	32,400	9.50	1,044	1,975	2,976
7	9	12	12	-	40	16,200	4.75	27,000	7.91	32,400	9.50	1,044	1,975	2,976
7	7	9	18	-	41	16,200	4.75	27,000	7.91	32,400	9.50	1,044	1,975	2,976
9	9	12	12	-	42	16,200	4.75	27,000	7.91	32,400	9.50	1,044	1,975	2,976
7	12	12	12	-	43	16,200	4.75	27,000	7.91	32,400	9.50	1,044	1,975	2,976
7	9	9	18	-	43	16,200	4.75	27,000	7.91	32,400	9.50	1,044	1,975	2,976
7	7	12	18	-	44	16,200	4.75	27,000	7.91	32,400	9.50	1,044	1,975	2,976
9	12	12	12	-	45	16,200	4.75	27,000	7.91	32,400	9.50	1,044	1,975	2,976
9	9	9	18	-	45	16,200	4.75	27,000	7.91	32,400	9.50	1,044	1,975	2,976
7	7	7	24	-	45	16,200	4.75	27,000	7.91	32,400	9.50	1,044	1,975	2,976
7	9	12	18	-	46	16,200	4.75	27,000	7.91	32,400	9.50	1,044	1,975	2,976
7	7	9	24	-	47	16,200	4.75	27,000	7.91	32,400	9.50	1,044	1,975	2,976
12	12	12	12	-	48	16,200	4.75	27,000	7.91	32,400	9.50	1,044	1,975	2,976
9	9	12	18	-	48	16,200	4.75	27,000	7.91	32,400	9.50	1,044	1,975	2,976
7	12	12	18	-	49	16,200	4.75	27,000	7.91	32,400	9.50	1,044	1,975	2,976
7	9	9	24	-	49	16,200	4.75	27,000	7.91	32,400	9.50	1,044	1,975	2,976
7	7	12	24	-	50	16,200	4.75	27,000	7.91	32,400	9.50	1,044	1,975	2,976
7	7	18	18	-	50	16,200	4.75	27,000	7.91	32,400	9.50	1,044	1,975	2,976
9	12	12	18	-	51	16,200	4.75	27,000	7.91	32,400	9.50	1,044	1,975	2,976
9	9	9	24	-	51	16,200	4.75	27,000	7.91	32,400	9.50	1,044	1,975	2,976

**Note**

1. Capacities are based on the following conditions :

- Cooling : Indoor Ambient Temp. 27°CDB/19°CWB, Outdoor Ambient Temp. 35°CDB/24°CWB
- Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
- Interconnected piping is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0 m.

2. At least two indoor units should be connected. And minimum limit of combination ratio is 40% approximately for rated capacity of outdoor unit.

3. Don't exceed the maximum connectable indoor units number, it can be found in Specifications or combination table of outdoor unit model.

# 4. Combination Table

## ◆ Heating

Combination (Capacity index, kBtu/h)						Heating									
						Total Capacity						Input (W)			
Unit-A	Unit-B	Unit-C	Unit-D	Unit-E	Total	Min		Rated		Max		Min	Rated	Max	
						Btu/h	kW	Btu/h	kW	Btu/h	kW				
<b>1 Unit Operation</b>															
7	-	-	-	-	7	5,400	1.58	8,400	2.46	9,660	2.83	610	665	862	
9	-	-	-	-	9	6,480	1.90	10,800	3.17	12,420	3.64	610	864	1,126	
12	-	-	-	-	12	7,920	2.32	13,200	3.87	15,180	4.45	610	1,067	1,399	
18	-	-	-	-	18	11,880	3.48	19,800	5.80	22,770	6.67	950	1,649	2,230	
24	-	-	-	-	24	15,240	4.47	25,400	7.44	26,670	7.82	1,246	2,172	2,654	
<b>2 Units Operation</b>															
7	7	-	-	-	14	10,080	2.95	16,800	4.92	20,160	5.91	685	1,163	1,643	
7	9	-	-	-	16	11,520	3.38	19,200	5.63	23,040	6.75	783	1,348	1,928	
9	9	-	-	-	18	12,960	3.80	21,600	6.33	25,920	7.60	882	1,537	2,189	
7	12	-	-	-	19	13,680	4.01	22,800	6.68	27,360	8.02	932	1,648	2,323	
9	12	-	-	-	21	15,120	4.43	25,200	7.39	30,240	8.86	1,034	1,846	2,644	
12	12	-	-	-	24	17,280	5.06	28,800	8.44	34,100	9.99	1,228	2,138	3,463	
7	18	-	-	-	25	18,000	5.28	30,000	8.79	34,100	9.99	1,280	2,267	3,463	
9	18	-	-	-	27	18,600	5.45	31,000	9.09	34,100	9.99	1,333	2,234	3,463	
12	18	-	-	-	30	18,600	5.45	31,000	9.09	34,100	9.99	1,333	2,234	3,463	
7	24	-	-	-	31	18,600	5.45	31,000	9.09	34,100	9.99	1,333	2,234	3,463	
9	24	-	-	-	33	18,600	5.45	31,000	9.09	34,100	9.99	1,333	2,234	3,463	
18	18	-	-	-	36	18,600	5.45	31,000	9.09	34,100	9.99	1,333	2,234	3,463	
12	24	-	-	-	36	18,600	5.45	31,000	9.09	34,100	9.99	1,333	2,234	3,463	
18	24	-	-	-	42	18,600	5.45	31,000	9.09	34,100	9.99	1,333	2,234	3,463	
24	24	-	-	-	48	18,600	5.45	31,000	9.09	34,100	9.99	1,333	2,234	3,463	
<b>3 Units Operation</b>															
7	7	7	-	-	21	15,120	4.43	25,200	7.39	30,240	8.86	972	1,735	2,486	
7	7	9	-	-	23	16,560	4.85	27,600	8.09	33,120	9.71	1,093	1,926	2,831	
7	9	9	-	-	25	18,000	5.28	30,000	8.79	34,720	10.18	1,192	2,131	3,068	
7	7	12	-	-	26	18,720	5.49	31,200	9.14	34,720	10.18	1,242	2,228	3,068	
9	9	9	-	-	27	18,600	5.45	31,000	9.09	34,720	10.18	1,242	2,228	3,068	
7	9	12	-	-	28	18,600	5.45	31,000	9.09	34,720	10.18	1,242	2,228	3,068	
9	9	12	-	-	30	18,600	5.45	31,000	9.09	34,720	10.18	1,242	2,228	3,068	
7	12	12	-	-	31	18,600	5.45	31,000	9.09	34,720	10.18	1,242	2,228	3,068	
7	7	18	-	-	32	18,600	5.45	31,000	9.09	34,720	10.18	1,242	2,228	3,068	
9	12	12	-	-	33	18,600	5.45	31,000	9.09	34,720	10.18	1,242	2,228	3,068	
7	9	18	-	-	34	18,600	5.45	31,000	9.09	34,720	10.18	1,242	2,228	3,068	
12	12	12	-	-	36	18,600	5.45	31,000	9.09	34,720	10.18	1,242	2,228	3,068	
9	9	18	-	-	36	18,600	5.45	31,000	9.09	34,720	10.18	1,242	2,228	3,068	
7	12	18	-	-	37	18,600	5.45	31,000	9.09	34,720	10.18	1,242	2,228	3,068	
7	7	24	-	-	38	18,600	5.45	31,000	9.09	34,720	10.18	1,242	2,228	3,068	
9	12	18	-	-	39	18,600	5.45	31,000	9.09	34,720	10.18	1,242	2,228	3,068	
7	9	24	-	-	40	18,600	5.45	31,000	9.09	34,720	10.18	1,242	2,228	3,068	
12	12	18	-	-	42	18,600	5.45	31,000	9.09	34,720	10.18	1,242	2,228	3,068	
9	9	24	-	-	42	18,600	5.45	31,000	9.09	34,720	10.18	1,242	2,228	3,068	
7	18	18	-	-	43	18,600	5.45	31,000	9.09	34,720	10.18	1,242	2,228	3,068	
7	12	24	-	-	43	18,600	5.45	31,000	9.09	34,720	10.18	1,242	2,228	3,068	
9	18	18	-	-	45	18,600	5.45	31,000	9.09	34,720	10.18	1,242	2,228	3,068	
9	12	24	-	-	45	18,600	5.45	31,000	9.09	34,720	10.18	1,242	2,228	3,068	
12	18	18	-	-	48	18,600	5.45	31,000	9.09	34,720	10.18	1,242	2,228	3,068	
12	12	24	-	-	48	18,600	5.45	31,000	9.09	34,720	10.18	1,242	2,228	3,068	
7	18	24	-	-	49	18,600	5.45	31,000	9.09	34,720	10.18	1,242	2,228	3,068	
9	18	24	-	-	51	18,600	5.45	31,000	9.09	34,720	10.18	1,242	2,228	3,068	
<b>4 Units Operation</b>															
7	7	7	7	-	28	18,600	5.45	31,000	9.09	36,000	10.55	1,180	2,116	3,198	
7	7	7	9	-	30	18,600	5.45	31,000	9.09	36,000	10.55	1,180	2,116	3,198	
7	7	9	9	-	32	18,600	5.45	31,000	9.09	36,000	10.55	1,180	2,116	3,198	
7	7	7	12	-	33	18,600	5.45	31,000	9.09	36,000	10.55	1,180	2,116	3,198	
7	9	9	9	-	34	18,600	5.45	31,000	9.09	36,000	10.55	1,180	2,116	3,198	
7	7	9	12	-	35	18,600	5.45	31,000	9.09	36,000	10.55	1,180	2,116	3,198	
9	9	9	9	-	36	18,600	5.45	31,000	9.09	36,000	10.55	1,180	2,116	3,198	
7	9	9	12	-	37	18,600	5.45	31,000	9.09	36,000	10.55	1,180	2,116	3,198	
7	7	12	12	-	38	18,600	5.45	31,000	9.09	36,000	10.55	1,180	2,116	3,198	
9	9	9	12	-	39	18,600	5.45	31,000	9.09	36,000	10.55	1,180	2,116	3,198	
7	7	7	18	-	39	18,600	5.45	31,000	9.09	36,000	10.55	1,180	2,116	3,198	
7	9	12	12	-	40	18,600	5.45	31,000	9.09	36,000	10.55	1,180	2,116	3,198	

**Note**

1. Capacities are based on the following conditions :

- Cooling : Indoor Ambient Temp. 27°CDB/19°CWB, Outdoor Ambient Temp. 35°CDB/24°CWB
- Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
- Interconnected piping is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0 m.

2. At least two indoor units should be connected. And minimum limit of combination ratio is 40% approximately for rated capacity of outdoor unit.

3. Don't exceed the maximum connectable indoor units number, it can be found in Specifications or combination table of outdoor unit model.

## 4. Combination Table

Combination (Capacity index, kBtu/h)						Heating								
						Total Capacity						Input (W)		
						Min		Rated		Max				
Unit-A	Unit-B	Unit-C	Unit-D	Unit-E	Total	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rated	Max
7	7	9	18	-	41	18,600	5.45	31,000	9.09	36,000	10.55	1,180	2,116	3,198
9	9	12	12	-	42	18,600	5.45	31,000	9.09	36,000	10.55	1,180	2,116	3,198
7	12	12	12	-	43	18,600	5.45	31,000	9.09	36,000	10.55	1,180	2,116	3,198
7	9	9	18	-	43	18,600	5.45	31,000	9.09	36,000	10.55	1,180	2,116	3,198
7	7	12	18	-	44	18,600	5.45	31,000	9.09	36,000	10.55	1,180	2,116	3,198
9	12	12	12	-	45	18,600	5.45	31,000	9.09	36,000	10.55	1,180	2,116	3,198
9	9	9	18	-	45	18,600	5.45	31,000	9.09	36,000	10.55	1,180	2,116	3,198
7	7	7	24	-	45	18,600	5.45	31,000	9.09	36,000	10.55	1,180	2,116	3,198
7	9	12	18	-	46	18,600	5.45	31,000	9.09	36,000	10.55	1,180	2,116	3,198
7	7	9	24	-	47	18,600	5.45	31,000	9.09	36,000	10.55	1,180	2,116	3,198
12	12	12	12	-	48	18,600	5.45	31,000	9.09	36,000	10.55	1,180	2,116	3,198
9	9	12	18	-	48	18,600	5.45	31,000	9.09	36,000	10.55	1,180	2,116	3,198
7	12	12	18	-	49	18,600	5.45	31,000	9.09	36,000	10.55	1,180	2,116	3,198
7	9	9	24	-	49	18,600	5.45	31,000	9.09	36,000	10.55	1,180	2,116	3,198
7	7	12	24	-	50	18,600	5.45	31,000	9.09	36,000	10.55	1,180	2,116	3,198
7	7	18	18	-	50	18,600	5.45	31,000	9.09	36,000	10.55	1,180	2,116	3,198
9	12	12	18	-	51	18,600	5.45	31,000	9.09	36,000	10.55	1,180	2,116	3,198
9	9	9	24	-	51	18,600	5.45	31,000	9.09	36,000	10.55	1,180	2,116	3,198

**Note**

- Capacities are based on the following conditions :
  - Cooling : Indoor Ambient Temp. 27°CDB/19°CWB, Outdoor Ambient Temp. 35°CDB/24°CWB
  - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected piping is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0 m.
- At least two indoor units should be connected. And minimum limit of combination ratio is 40% approximately for rated capacity of outdoor unit.
- Don't exceed the maximum connectable indoor units number, it can be found in Specifications or combination table of outdoor unit model.



# 4. Combination Table

## 4.5 A5UW36GFA2

### ◆ Cooling

Combination (Capacity index, kBtu/h)						Cooling									
						Total Capacity						Input (W)			
															Min
Unit-A	Unit-B	Unit-C	Unit-D	Unit-E	Total	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rated	Max	
<b>1 Unit Operation</b>															
7	-	-	-	-	7	4,800	1.41	7,000	2.05	8,400	2.46	416	551	741	
9	-	-	-	-	9	5,400	1.58	9,000	2.64	10,800	3.17	416	689	961	
12	-	-	-	-	12	7,200	2.11	12,000	3.52	14,400	4.22	551	944	1,287	
18	-	-	-	-	18	10,800	3.17	18,000	5.28	21,600	6.33	858	1,482	2,013	
24	-	-	-	-	24	14,400	4.22	24,000	7.03	25,500	7.47	1,149	2,026	2,830	
<b>2 Units Operation</b>															
7	7	-	-	-	14	8,400	2.46	14,000	4.10	16,800	4.92	595	1,008	1,370	
7	9	-	-	-	16	9,600	2.81	16,000	4.69	19,200	5.63	670	1,169	1,588	
9	9	-	-	-	18	10,800	3.17	18,000	5.28	21,600	6.33	772	1,334	1,812	
7	12	-	-	-	19	11,400	3.34	19,000	5.57	22,800	6.68	798	1,418	1,943	
9	12	-	-	-	21	12,600	3.69	21,000	6.15	25,200	7.39	902	1,589	2,230	
12	12	-	-	-	24	14,400	4.22	24,000	7.03	28,800	8.44	1,034	1,823	2,756	
7	18	-	-	-	25	15,000	4.40	25,000	7.33	30,000	8.79	1,088	1,948	2,993	
9	18	-	-	-	27	16,200	4.75	27,000	7.91	32,400	9.50	1,169	2,212	3,442	
12	18	-	-	-	30	18,000	5.28	30,000	8.79	36,000	10.55	1,334	2,672	4,167	
7	24	-	-	-	31	18,600	5.45	31,000	9.09	36,000	10.55	1,334	2,840	4,167	
9	24	-	-	-	33	19,800	5.80	33,000	9.67	36,000	10.55	1,334	3,195	4,167	
18	18	-	-	-	36	21,000	6.15	35,000	10.26	36,000	10.55	1,334	3,582	4,167	
12	24	-	-	-	36	21,000	6.15	35,000	10.26	36,000	10.55	1,334	3,582	4,167	
18	24	-	-	-	42	21,000	6.15	35,000	10.26	36,000	10.55	1,334	3,582	4,167	
24	24	-	-	-	48	21,000	6.15	35,000	10.26	36,000	10.55	1,334	3,582	4,167	
<b>3 Units Operation</b>															
7	7	7	-	-	21	12,600	3.69	21,000	6.15	25,200	7.39	848	1,494	2,096	
7	7	9	-	-	23	13,800	4.04	23,000	6.74	27,600	8.09	922	1,630	2,441	
7	9	9	-	-	25	15,000	4.40	25,000	7.33	30,000	8.79	1,023	1,831	2,865	
7	7	12	-	-	26	15,600	4.57	26,000	7.62	31,200	9.14	1,073	1,953	3,063	
9	9	9	-	-	27	16,200	4.75	27,000	7.91	32,400	9.50	1,099	2,079	3,342	
7	9	12	-	-	28	16,800	4.92	28,000	8.21	33,600	9.85	1,150	2,231	3,564	
9	9	12	-	-	30	18,000	5.28	30,000	8.79	36,000	10.55	1,254	2,558	4,099	
7	12	12	-	-	31	18,600	5.45	31,000	9.09	36,000	10.55	1,254	2,735	4,099	
7	7	18	-	-	32	19,200	5.63	32,000	9.38	36,000	10.55	1,254	2,920	4,099	
9	12	12	-	-	33	19,800	5.80	33,000	9.67	36,000	10.55	1,254	3,115	4,099	
7	9	18	-	-	34	20,400	5.98	34,000	9.96	36,000	10.55	1,254	3,320	4,099	
12	12	12	-	-	36	21,000	6.15	35,000	10.26	36,000	10.55	1,254	3,535	4,099	
9	9	18	-	-	36	21,000	6.15	35,000	10.26	36,000	10.55	1,254	3,535	4,099	
7	12	18	-	-	37	21,000	6.15	35,000	10.26	36,000	10.55	1,254	3,535	4,099	
7	7	24	-	-	38	21,000	6.15	35,000	10.26	36,000	10.55	1,254	3,535	4,099	
9	12	18	-	-	39	21,000	6.15	35,000	10.26	36,000	10.55	1,254	3,535	4,099	
7	9	24	-	-	40	21,000	6.15	35,000	10.26	36,000	10.55	1,254	3,535	4,099	
12	12	18	-	-	42	21,000	6.15	35,000	10.26	36,000	10.55	1,254	3,535	4,099	
9	9	24	-	-	42	21,000	6.15	35,000	10.26	36,000	10.55	1,254	3,535	4,099	
7	18	18	-	-	43	21,000	6.15	35,000	10.26	36,000	10.55	1,254	3,535	4,099	
7	12	24	-	-	43	21,000	6.15	35,000	10.26	36,000	10.55	1,254	3,535	4,099	
9	18	18	-	-	45	21,000	6.15	35,000	10.26	36,000	10.55	1,254	3,535	4,099	
9	12	24	-	-	45	21,000	6.15	35,000	10.26	36,000	10.55	1,254	3,535	4,099	
12	18	18	-	-	48	21,000	6.15	35,000	10.26	36,000	10.55	1,254	3,535	4,099	
12	12	24	-	-	48	21,000	6.15	35,000	10.26	36,000	10.55	1,254	3,535	4,099	
7	18	24	-	-	49	21,000	6.15	35,000	10.26	36,000	10.55	1,254	3,535	4,099	
9	18	24	-	-	51	21,000	6.15	35,000	10.26	36,000	10.55	1,254	3,535	4,099	
12	18	24	-	-	54	21,000	6.15	35,000	10.26	36,000	10.55	1,254	3,535	4,099	
18	18	18	-	-	54	21,000	6.15	35,000	10.26	36,000	10.55	1,254	3,535	4,099	
<b>4 Units Operation</b>															
7	7	7	7	-	28	16,800	4.92	28,000	8.21	33,600	9.85	1,093	2,094	3,136	
7	7	7	9	-	30	18,000	5.28	30,000	8.79	36,000	10.55	1,191	2,344	3,588	
7	7	9	9	-	32	19,200	5.63	32,000	9.38	36,000	10.55	1,191	2,611	3,588	
7	7	7	12	-	33	19,800	5.80	33,000	9.67	36,000	10.55	1,191	2,752	3,588	
7	9	9	9	-	34	20,400	5.98	34,000	9.96	36,000	10.55	1,191	2,897	3,588	
7	7	9	12	-	35	21,000	6.15	35,000	10.26	36,000	10.55	1,191	3,048	3,588	
9	9	9	9	-	36	21,000	6.15	35,000	10.26	36,000	10.55	1,191	3,048	3,588	

**Note**

- Capacities are based on the following conditions :
  - Cooling : Indoor Ambient Temp. 27°CDB/19°CWB, Outdoor Ambient Temp. 35°CDB/24°CWB
  - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected piping is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0 m.
- At least two indoor units should be connected. And minimum limit of combination ratio is 40% approximately for rated capacity of outdoor unit.
- Don't exceed the maximum connectable indoor units number, it can be found in Specifications or combination table of outdoor unit model.

# 4. Combination Table

Combination (Capacity index, kBtu/h)						Cooling								
						Total Capacity						Input (W)		
												Min	Rated	Max
Unit-A	Unit-B	Unit-C	Unit-D	Unit-E	Total	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rated	Max
7	9	9	12	-	37	21,000	6.15	35,000	10.26	36,000	10.55	1,191	3,048	3,588
7	7	12	12	-	38	21,000	6.15	35,000	10.26	36,000	10.55	1,191	3,048	3,588
9	9	9	12	-	39	21,000	6.15	35,000	10.26	36,000	10.55	1,191	3,048	3,588
7	7	7	18	-	39	21,000	6.15	35,000	10.26	36,000	10.55	1,191	3,048	3,588
7	9	12	12	-	40	21,000	6.15	35,000	10.26	36,000	10.55	1,191	3,048	3,588
7	7	9	18	-	41	21,000	6.15	35,000	10.26	36,000	10.55	1,191	3,048	3,588
9	9	12	12	-	42	21,000	6.15	35,000	10.26	36,000	10.55	1,191	3,048	3,588
7	12	12	12	-	43	21,000	6.15	35,000	10.26	36,000	10.55	1,191	3,048	3,588
7	9	9	18	-	43	21,000	6.15	35,000	10.26	36,000	10.55	1,191	3,048	3,588
7	7	12	18	-	44	21,000	6.15	35,000	10.26	36,000	10.55	1,191	3,048	3,588
9	12	12	12	-	45	21,000	6.15	35,000	10.26	36,000	10.55	1,191	3,048	3,588
9	9	9	18	-	45	21,000	6.15	35,000	10.26	36,000	10.55	1,191	3,048	3,588
7	7	7	24	-	45	21,000	6.15	35,000	10.26	36,000	10.55	1,191	3,048	3,588
7	9	12	18	-	46	21,000	6.15	35,000	10.26	36,000	10.55	1,191	3,048	3,588
7	7	9	24	-	47	21,000	6.15	35,000	10.26	36,000	10.55	1,191	3,048	3,588
12	12	12	12	-	48	21,000	6.15	35,000	10.26	36,000	10.55	1,191	3,048	3,588
9	9	12	18	-	48	21,000	6.15	35,000	10.26	36,000	10.55	1,191	3,048	3,588
7	12	12	18	-	49	21,000	6.15	35,000	10.26	36,000	10.55	1,191	3,048	3,588
7	9	9	24	-	49	21,000	6.15	35,000	10.26	36,000	10.55	1,191	3,048	3,588
7	7	12	24	-	50	21,000	6.15	35,000	10.26	36,000	10.55	1,191	3,048	3,588
7	7	18	18	-	50	21,000	6.15	35,000	10.26	36,000	10.55	1,191	3,048	3,588
9	12	12	18	-	51	21,000	6.15	35,000	10.26	36,000	10.55	1,191	3,048	3,588
9	9	9	24	-	51	21,000	6.15	35,000	10.26	36,000	10.55	1,191	3,048	3,588
7	9	12	24	-	52	21,000	6.15	35,000	10.26	36,000	10.55	1,191	3,048	3,588
9	9	12	24	-	54	21,000	6.15	35,000	10.26	36,000	10.55	1,191	3,048	3,588
9	9	18	18	-	54	21,000	6.15	35,000	10.26	36,000	10.55	1,191	3,048	3,588
12	12	12	18	-	54	21,000	6.15	35,000	10.26	36,000	10.55	1,191	3,048	3,588
5 Units Operation														
7	7	7	7	7	35	21,000	6.15	35,000	10.26	36,000	10.55	1,170	3,025	3,582
7	7	7	7	9	37	21,000	6.15	35,000	10.26	36,000	10.55	1,170	3,025	3,582
7	7	7	9	9	39	21,000	6.15	35,000	10.26	36,000	10.55	1,170	3,025	3,582
7	7	7	7	12	40	21,000	6.15	35,000	10.26	36,000	10.55	1,170	3,025	3,582
7	7	9	9	9	41	21,000	6.15	35,000	10.26	36,000	10.55	1,170	3,025	3,582
7	7	7	9	12	42	21,000	6.15	35,000	10.26	36,000	10.55	1,170	3,025	3,582
7	9	9	9	9	43	21,000	6.15	35,000	10.26	36,000	10.55	1,170	3,025	3,582
7	7	9	9	12	44	21,000	6.15	35,000	10.26	36,000	10.55	1,170	3,025	3,582
7	7	7	12	12	45	21,000	6.15	35,000	10.26	36,000	10.55	1,170	3,025	3,582
9	9	9	9	9	45	21,000	6.15	35,000	10.26	36,000	10.55	1,170	3,025	3,582
7	7	7	7	18	46	21,000	6.15	35,000	10.26	36,000	10.55	1,170	3,025	3,582
7	9	9	9	12	46	21,000	6.15	35,000	10.26	36,000	10.55	1,170	3,025	3,582
7	7	9	12	12	47	21,000	6.15	35,000	10.26	36,000	10.55	1,170	3,025	3,582
9	9	9	9	12	48	21,000	6.15	35,000	10.26	36,000	10.55	1,170	3,025	3,582
7	7	7	9	18	48	21,000	6.15	35,000	10.26	36,000	10.55	1,170	3,025	3,582
7	9	9	12	12	49	21,000	6.15	35,000	10.26	36,000	10.55	1,170	3,025	3,582
7	7	12	12	12	50	21,000	6.15	35,000	10.26	36,000	10.55	1,170	3,025	3,582
7	7	9	9	18	50	21,000	6.15	35,000	10.26	36,000	10.55	1,170	3,025	3,582
9	9	9	12	12	51	21,000	6.15	35,000	10.26	36,000	10.55	1,170	3,025	3,582
7	7	7	12	18	51	21,000	6.15	35,000	10.26	36,000	10.55	1,170	3,025	3,582
7	9	12	12	12	52	21,000	6.15	35,000	10.26	36,000	10.55	1,170	3,025	3,582
7	9	9	9	18	52	21,000	6.15	35,000	10.26	36,000	10.55	1,170	3,025	3,582
7	7	7	7	24	52	21,000	6.15	35,000	10.26	36,000	10.55	1,170	3,025	3,582
7	7	9	12	18	53	21,000	6.15	35,000	10.26	36,000	10.55	1,170	3,025	3,582
7	7	7	9	24	54	21,000	6.15	35,000	10.26	36,000	10.55	1,170	3,025	3,582
9	9	9	9	18	54	21,000	6.15	35,000	10.26	36,000	10.55	1,170	3,025	3,582
9	9	12	12	12	54	21,000	6.15	35,000	10.26	36,000	10.55	1,170	3,025	3,582

**Note**

- Capacities are based on the following conditions :
  - Cooling : Indoor Ambient Temp. 27°CDB/19°CWB, Outdoor Ambient Temp. 35°CDB/24°CWB
  - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected piping is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0 m.
- At least two indoor units should be connected. And minimum limit of combination ratio is 40% approximately for rated capacity of outdoor unit.
- Don't exceed the maximum connectable indoor units number, it can be found in Specifications or combination table of outdoor unit model.

# 4. Combination Table

## ◆ Heating

Combination (Capacity index, kBtu/h)						Heating									
						Total Capacity						Input (W)			
												Min	Rated		Max
Unit-A	Unit-B	Unit-C	Unit-D	Unit-E	Total	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rated	Max	
<b>1 Unit Operation</b>															
7	-	-	-	-	7	5,500	1.61	8,400	2.46	9,660	2.83	610	665	682	
9	-	-	-	-	9	6,480	1.90	10,800	3.17	12,420	3.64	610	864	1,126	
12	-	-	-	-	12	7,920	2.32	13,200	3.87	15,180	4.45	610	1,067	1,399	
18	-	-	-	-	18	11,880	3.48	19,800	5.80	22,770	6.67	610	1,649	2,230	
24	-	-	-	-	24	15,240	4.47	25,400	7.44	26,670	7.82	950	2,172	2,654	
<b>2 Units Operation</b>															
7	7	-	-	-	14	10,080	2.95	16,800	4.92	20,160	5.91	685	1,163	1,643	
7	9	-	-	-	16	11,520	3.38	19,200	5.63	23,040	6.75	783	1,348	1,928	
9	9	-	-	-	18	12,960	3.80	21,600	6.33	25,920	7.60	882	1,537	2,189	
7	12	-	-	-	19	13,680	4.01	22,800	6.68	27,360	8.02	932	1,648	2,323	
9	12	-	-	-	21	15,120	4.43	25,200	7.39	30,240	8.86	1,034	1,846	2,644	
12	12	-	-	-	24	17,280	5.06	28,800	8.44	34,560	10.13	1,215	2,138	3,554	
7	18	-	-	-	25	18,000	5.28	30,000	8.79	36,000	10.55	1,268	2,267	3,868	
9	18	-	-	-	27	19,440	5.70	32,400	9.50	36,500	10.70	1,374	2,639	4,070	
12	18	-	-	-	30	21,600	6.33	34,500	10.11	36,500	10.70	1,483	3,516	4,070	
7	24	-	-	-	31	21,600	6.33	34,500	10.11	36,500	10.70	1,483	3,516	4,070	
9	24	-	-	-	33	21,600	6.33	34,500	10.11	36,500	10.70	1,483	3,516	4,070	
18	18	-	-	-	36	21,600	6.33	34,500	10.11	36,500	10.70	1,483	3,516	4,070	
12	24	-	-	-	36	21,600	6.33	34,500	10.11	36,500	10.70	1,483	3,516	4,070	
18	24	-	-	-	42	21,600	6.33	34,500	10.11	36,500	10.70	1,483	3,516	4,070	
24	24	-	-	-	48	21,600	6.33	34,500	10.11	36,500	10.70	1,483	3,516	4,070	
<b>3 Units Operation</b>															
7	7	7	-	-	21	15,120	4.43	25,200	7.39	30,240	8.86	972	1,735	2,486	
7	7	9	-	-	23	16,560	4.85	27,600	8.09	33,120	9.71	1,093	1,926	2,831	
7	9	9	-	-	25	18,000	5.28	30,000	8.79	36,000	10.55	1,192	2,131	3,266	
7	7	12	-	-	26	18,720	5.49	31,200	9.14	37,440	10.97	1,242	2,228	3,472	
9	9	9	-	-	27	19,440	5.70	32,400	9.50	38,880	11.40	1,292	2,382	3,686	
7	9	12	-	-	28	20,160	5.91	33,600	9.85	40,320	11.82	1,343	2,502	3,852	
9	9	12	-	-	30	21,600	6.33	34,500	10.11	41,400	12.13	1,394	2,840	4,022	
7	12	12	-	-	31	21,600	6.33	34,500	10.11	41,400	12.13	1,394	2,840	4,022	
7	7	18	-	-	32	21,600	6.33	34,500	10.11	41,400	12.13	1,394	2,840	4,022	
9	12	12	-	-	33	21,600	6.33	34,500	10.11	41,400	12.13	1,394	2,840	4,022	
7	9	18	-	-	34	21,600	6.33	34,500	10.11	41,400	12.13	1,394	2,840	4,022	
12	12	12	-	-	36	21,600	6.33	34,500	10.11	41,400	12.13	1,394	2,840	4,022	
9	9	18	-	-	36	21,600	6.33	34,500	10.11	41,400	12.13	1,394	2,840	4,022	
7	12	18	-	-	37	21,600	6.33	34,500	10.11	41,400	12.13	1,394	2,840	4,022	
7	7	24	-	-	38	21,600	6.33	34,500	10.11	41,400	12.13	1,394	2,840	4,022	
9	12	18	-	-	39	21,600	6.33	34,500	10.11	41,400	12.13	1,394	2,840	4,022	
7	9	24	-	-	40	21,600	6.33	34,500	10.11	41,400	12.13	1,394	2,840	4,022	
12	12	18	-	-	42	21,600	6.33	34,500	10.11	41,400	12.13	1,394	2,840	4,022	
9	9	24	-	-	42	21,600	6.33	34,500	10.11	41,400	12.13	1,394	2,840	4,022	
7	18	18	-	-	43	21,600	6.33	34,500	10.11	41,400	12.13	1,394	2,840	4,022	
7	12	24	-	-	43	21,600	6.33	34,500	10.11	41,400	12.13	1,394	2,840	4,022	
9	18	18	-	-	45	21,600	6.33	34,500	10.11	41,400	12.13	1,394	2,840	4,022	
9	12	24	-	-	45	21,600	6.33	34,500	10.11	41,400	12.13	1,394	2,840	4,022	
12	18	18	-	-	48	21,600	6.33	34,500	10.11	41,400	12.13	1,394	2,840	4,022	
12	12	24	-	-	48	21,600	6.33	34,500	10.11	41,400	12.13	1,394	2,840	4,022	
7	18	24	-	-	49	21,600	6.33	34,500	10.11	41,400	12.13	1,394	2,840	4,022	
9	18	24	-	-	51	21,600	6.33	34,500	10.11	41,400	12.13	1,394	2,840	4,022	
12	18	24	-	-	54	21,600	6.33	34,500	10.11	41,400	12.13	1,394	2,840	4,022	
18	18	18	-	-	54	21,600	6.33	34,500	10.11	41,400	12.13	1,394	2,840	4,022	
<b>4 Units Operation</b>															
7	7	7	7	-	28	20,160	5.91	33,600	9.85	41,400	12.13	1,276	2,411	3,606	
7	7	7	9	-	30	21,600	6.33	34,500	10.11	41,400	12.13	1,324	2,781	3,606	
7	7	9	9	-	32	21,600	6.33	34,500	10.11	41,400	12.13	1,324	2,781	3,606	
7	7	7	12	-	33	21,600	6.33	34,500	10.11	41,400	12.13	1,324	2,781	3,606	
7	9	9	9	-	34	21,600	6.33	34,500	10.11	41,400	12.13	1,324	2,781	3,606	
7	7	9	12	-	35	21,600	6.33	34,500	10.11	41,400	12.13	1,324	2,781	3,606	
9	9	9	9	-	36	21,600	6.33	34,500	10.11	41,400	12.13	1,324	2,781	3,606	
7	9	9	12	-	37	21,600	6.33	34,500	10.11	41,400	12.13	1,324	2,781	3,606	
7	7	12	12	-	38	21,600	6.33	34,500	10.11	41,400	12.13	1,324	2,781	3,606	
9	9	9	12	-	39	21,600	6.33	34,500	10.11	41,400	12.13	1,324	2,781	3,606	

**Note**

1. Capacities are based on the following conditions :

- Cooling : Indoor Ambient Temp. 27°CDB/19°CWB, Outdoor Ambient Temp. 35°CDB/24°CWB
- Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
- Interconnected piping is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0 m.

2. At least two indoor units should be connected. And minimum limit of combination ratio is 40% approximately for rated capacity of outdoor unit.

3. Don't exceed the maximum connectable indoor units number, it can be found in Specifications or combination table of outdoor unit model.

# 4. Combination Table

Combination (Capacity index, kBtu/h)						Heating								
						Total Capacity						Input (W)		
						Min		Rated		Max		Min	Rated	Max
Unit-A	Unit-B	Unit-C	Unit-D	Unit-E	Total	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rated	Max
7	7	7	18	-	39	21,600	6.33	34,500	10.11	41,400	12.13	1,324	2,781	3,606
7	9	12	12	-	40	21,600	6.33	34,500	10.11	41,400	12.13	1,324	2,781	3,606
7	7	9	18	-	41	21,600	6.33	34,500	10.11	41,400	12.13	1,324	2,781	3,606
9	9	12	12	-	42	21,600	6.33	34,500	10.11	41,400	12.13	1,324	2,781	3,606
7	12	12	12	-	43	21,600	6.33	34,500	10.11	41,400	12.13	1,324	2,781	3,606
7	9	9	18	-	43	21,600	6.33	34,500	10.11	41,400	12.13	1,324	2,781	3,606
7	7	12	18	-	44	21,600	6.33	34,500	10.11	41,400	12.13	1,324	2,781	3,606
9	12	12	12	-	45	21,600	6.33	34,500	10.11	41,400	12.13	1,324	2,781	3,606
9	9	9	18	-	45	21,600	6.33	34,500	10.11	41,400	12.13	1,324	2,781	3,606
7	7	7	24	-	45	21,600	6.33	34,500	10.11	41,400	12.13	1,324	2,781	3,606
7	9	12	18	-	46	21,600	6.33	34,500	10.11	41,400	12.13	1,324	2,781	3,606
7	7	9	24	-	47	21,600	6.33	34,500	10.11	41,400	12.13	1,324	2,781	3,606
12	12	12	12	-	48	21,600	6.33	34,500	10.11	41,400	12.13	1,324	2,781	3,606
9	9	12	18	-	48	21,600	6.33	34,500	10.11	41,400	12.13	1,324	2,781	3,606
7	12	12	18	-	49	21,600	6.33	34,500	10.11	41,400	12.13	1,324	2,781	3,606
7	9	9	24	-	49	21,600	6.33	34,500	10.11	41,400	12.13	1,324	2,781	3,606
7	7	12	24	-	50	21,600	6.33	34,500	10.11	41,400	12.13	1,324	2,781	3,606
7	7	18	18	-	50	21,600	6.33	34,500	10.11	41,400	12.13	1,324	2,781	3,606
9	12	12	18	-	51	21,600	6.33	34,500	10.11	41,400	12.13	1,324	2,781	3,606
9	9	9	24	-	51	21,600	6.33	34,500	10.11	41,400	12.13	1,324	2,781	3,606
7	9	12	24	-	52	21,600	6.33	34,500	10.11	41,400	12.13	1,324	2,781	3,606
9	9	12	24	-	54	21,600	6.33	34,500	10.11	41,400	12.13	1,324	2,781	3,606
9	9	18	18	-	54	21,600	6.33	34,500	10.11	41,400	12.13	1,324	2,781	3,606
12	12	12	18	-	54	21,600	6.33	34,500	10.11	41,400	12.13	1,324	2,781	3,606
<b>5 Units Operation</b>														
7	7	7	7	7	35	21,600	6.33	34,500	10.11	41,400	12.13	1,277	2,502	3,705
7	7	7	7	9	37	21,600	6.33	34,500	10.11	41,400	12.13	1,277	2,502	3,705
7	7	7	9	9	39	21,600	6.33	34,500	10.11	41,400	12.13	1,277	2,502	3,705
7	7	7	7	12	40	21,600	6.33	34,500	10.11	41,400	12.13	1,277	2,502	3,705
7	7	9	9	9	41	21,600	6.33	34,500	10.11	41,400	12.13	1,277	2,502	3,705
7	7	7	9	12	42	21,600	6.33	34,500	10.11	41,400	12.13	1,277	2,502	3,705
7	9	9	9	9	43	21,600	6.33	34,500	10.11	41,400	12.13	1,277	2,502	3,705
7	7	9	9	12	44	21,600	6.33	34,500	10.11	41,400	12.13	1,277	2,502	3,705
7	7	7	12	12	45	21,600	6.33	34,500	10.11	41,400	12.13	1,277	2,502	3,705
9	9	9	9	9	45	21,600	6.33	34,500	10.11	41,400	12.13	1,277	2,502	3,705
7	7	7	7	18	46	21,600	6.33	34,500	10.11	41,400	12.13	1,277	2,502	3,705
7	9	9	9	12	46	21,600	6.33	34,500	10.11	41,400	12.13	1,277	2,502	3,705
7	7	9	12	12	47	21,600	6.33	34,500	10.11	41,400	12.13	1,277	2,502	3,705
9	9	9	9	12	48	21,600	6.33	34,500	10.11	41,400	12.13	1,277	2,502	3,705
7	7	7	9	18	48	21,600	6.33	34,500	10.11	41,400	12.13	1,277	2,502	3,705
7	9	9	12	12	49	21,600	6.33	34,500	10.11	41,400	12.13	1,277	2,502	3,705
7	7	12	12	12	50	21,600	6.33	34,500	10.11	41,400	12.13	1,277	2,502	3,705
7	7	9	9	18	50	21,600	6.33	34,500	10.11	41,400	12.13	1,277	2,502	3,705
9	9	9	12	12	51	21,600	6.33	34,500	10.11	41,400	12.13	1,277	2,502	3,705
7	7	7	12	18	51	21,600	6.33	34,500	10.11	41,400	12.13	1,277	2,502	3,705
7	9	12	12	12	52	21,600	6.33	34,500	10.11	41,400	12.13	1,277	2,502	3,705
7	9	9	9	18	52	21,600	6.33	34,500	10.11	41,400	12.13	1,277	2,502	3,705
7	7	7	7	24	52	21,600	6.33	34,500	10.11	41,400	12.13	1,277	2,502	3,705
7	7	9	12	18	53	21,600	6.33	34,500	10.11	41,400	12.13	1,277	2,502	3,705
7	7	7	9	24	54	21,600	6.33	34,500	10.11	41,400	12.13	1,277	2,502	3,705
9	9	9	9	18	54	21,600	6.33	34,500	10.11	41,400	12.13	1,277	2,502	3,705
9	9	12	12	12	54	21,600	6.33	34,500	10.11	41,400	12.13	1,277	2,502	3,705

**Note**

- Capacities are based on the following conditions :
  - Cooling : Indoor Ambient Temp. 27°CDB/19°CWB, Outdoor Ambient Temp. 35°CDB/24°CWB
  - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
  - Interconnected piping is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0 m.
- At least two indoor units should be connected. And minimum limit of combination ratio is 40% approximately for rated capacity of outdoor unit.
- Don't exceed the maximum connectable indoor units number, it can be found in Specifications or combination table of outdoor unit model.

# 4. Combination Table

## 4.6 A5UW48GFA1

### ◆ Cooling

Combination (Capacity index, kBtu/h)						Cooling									
						Total Capacity						Input (W)			
						Min		Rated		Max					
Unit-A	Unit-B	Unit-C	Unit-D	Unit-E	Total	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rated	Max	
<b>1 Unit Operation</b>															
7	-	-	-	-	7	4,800	1.41	7,000	2.05	8,400	2.46	410	530	740	
9	-	-	-	-	9	5,400	1.58	9,000	2.64	10,800	3.17	420	660	1030	
12	-	-	-	-	12	7,200	2.11	12,000	3.52	14,400	4.22	530	950	1480	
18	-	-	-	-	18	10,800	3.17	18,000	5.28	21,600	6.33	870	1740	2050	
24	-	-	-	-	24	14,400	4.22	24,000	7.03	25,500	7.47	1160	2500	2640	
<b>2 Units Operation</b>															
7	7	-	-	-	14	10,397	3.05	14,000	4.10	18,886	5.54	784	1260	2095	
7	9	-	-	-	16	10,845	3.18	16,000	4.69	20,479	6.00	851	1524	2367	
9	9	-	-	-	18	11,293	3.31	18,000	5.28	22,072	6.47	918	1789	2640	
7	12	-	-	-	19	11,517	3.38	19,000	5.57	22,869	6.70	952	1922	2776	
9	12	-	-	-	21	11,966	3.51	21,000	6.15	24,462	7.17	1019	2187	3048	
12	12	-	-	-	24	12,638	3.70	24,000	7.03	26,852	7.87	1119	2584	3457	
7	18	-	-	-	25	12,862	3.77	25,000	7.33	27,648	8.10	1153	2716	3593	
9	18	-	-	-	27	13,310	3.90	27,000	7.91	29,241	8.57	1220	2981	3866	
12	18	-	-	-	30	13,983	4.10	30,000	8.79	31,631	9.27	1320	3378	4274	
7	24	-	-	-	31	14,207	4.16	31,000	9.09	32,428	9.50	1354	3511	4410	
9	24	-	-	-	33	14,655	4.30	33,000	9.67	34,021	9.97	1421	3776	4683	
12	24	-	-	-	36	15,328	4.49	36,000	10.55	36,410	10.67	1521	4173	5091	
18	18	-	-	-	36	15,328	4.49	36,000	10.55	36,410	10.67	1521	4173	5091	
18	24	-	-	-	42	16,000	4.69	38,200	11.20	41,200	12.08	1622	4570	5500	
24	24	-	-	-	48	16,000	4.69	39,240	11.50	41,200	12.08	1622	4640	5500	
<b>3 Units Operation</b>															
7	7	7	-	-	21	14,625	4.29	21,000	6.15	27,550	8.07	1044	1646	3011	
7	7	9	-	-	23	15,333	4.49	23,000	6.74	29,067	8.52	1128	1878	3277	
7	9	9	-	-	25	16,042	4.70	25,000	7.33	30,583	8.96	1213	2110	3542	
7	7	12	-	-	26	16,396	4.81	26,000	7.62	31,342	9.19	1255	2226	3675	
9	9	9	-	-	27	16,750	4.91	27,000	7.91	32,100	9.41	1298	2343	3808	
7	9	12	-	-	28	17,104	5.01	28,000	8.21	32,858	9.63	1340	2459	3940	
9	9	12	-	-	30	17,813	5.22	30,000	8.79	34,375	10.07	1424	2691	4206	
7	12	12	-	-	31	18,167	5.32	31,000	9.09	35,133	10.30	1467	2807	4338	
7	7	18	-	-	32	18,521	5.43	32,000	9.38	35,892	10.52	1509	2923	4471	
9	12	12	-	-	33	18,875	5.53	33,000	9.67	36,650	10.74	1551	3039	4604	
7	9	18	-	-	34	19,229	5.64	34,000	9.96	37,408	10.96	1594	3155	4736	
9	9	18	-	-	36	19,938	5.84	36,000	10.55	38,925	11.41	1678	3387	5002	
12	12	12	-	-	36	19,938	5.84	36,000	10.55	38,925	11.41	1678	3387	5002	
7	12	18	-	-	37	20,292	5.95	37,000	10.84	39,683	11.63	1720	3503	5135	
7	7	24	-	-	38	20,646	6.05	38,000	11.14	40,442	11.85	1763	3619	5267	
9	12	18	-	-	39	21,000	6.15	38,200	11.20	41,200	12.08	1805	3735	5400	
7	9	24	-	-	40	21,000	6.15	38,200	11.20	41,200	12.08	1805	3735	5400	
9	9	24	-	-	42	21,000	6.15	38,200	11.20	41,200	12.08	1805	3735	5400	
12	12	18	-	-	42	21,000	6.15	38,200	11.20	41,200	12.08	1805	3735	5400	
7	12	24	-	-	43	21,000	6.15	38,200	11.20	41,200	12.08	1805	3735	5400	
7	18	18	-	-	43	21,000	6.15	38,200	11.20	41,200	12.08	1805	3735	5400	
9	12	24	-	-	45	21,000	6.15	39,240	11.50	41,200	12.08	1805	4080	5400	
9	18	18	-	-	45	21,000	6.15	39,240	11.50	41,200	12.08	1805	4080	5400	
12	12	24	-	-	48	21,000	6.15	39,240	11.50	41,200	12.08	1805	4080	5400	
12	18	18	-	-	48	21,000	6.15	39,240	11.50	41,200	12.08	1805	4080	5400	
7	18	24	-	-	49	21,000	6.15	39,240	11.50	41,200	12.08	1805	4080	5400	
9	18	24	-	-	51	21,000	6.15	39,240	11.50	41,200	12.08	1805	4080	5400	
12	18	24	-	-	54	21,000	6.15	39,240	11.50	41,200	12.08	1805	4080	5400	
18	18	18	-	-	54	21,000	6.15	39,240	11.50	41,200	12.08	1805	4080	5400	
7	24	24	-	-	55	21,000	6.15	39,240	11.50	41,200	12.08	1805	4080	5400	
9	24	24	-	-	57	21,000	6.15	39,240	11.50	41,200	12.08	1805	4080	5400	
12	24	24	-	-	60	21,000	6.15	39,240	11.50	41,200	12.08	1805	4080	5400	
18	18	24	-	-	60	21,000	6.15	39,240	11.50	41,200	12.08	1805	4080	5400	
18	24	24	-	-	66	21,000	6.15	39,240	11.50	41,200	12.08	1805	4080	5400	
24	24	24	-	-	72	21,000	6.15	39,240	11.50	41,200	12.08	1805	4080	5400	
<b>4 Units Operation</b>															
7	7	7	7	-	28	21,421	6.28	28,000	8.21	37,147	10.89	1559	2207	3944	

**Note**

- Capacities are based on the following conditions :  
 - Cooling : Indoor Ambient Temp. 27°CDB/19°CWB, Outdoor Ambient Temp. 35°CDB/24°CWB  
 - Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB  
 - Interconnected piping is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0 m.
- At least two indoor units should be connected. And minimum limit of combination ratio is 40% approximately for rated capacity of outdoor unit.
- Don't exceed the maximum connectable indoor units number, it can be found in Specifications or combination table of outdoor unit model.





## 4. Combination Table

Combination (Capacity index, kBtu/h)						Cooling								
						Total Capacity						Input (W)		
						Min		Rated		Max				
Unit-A	Unit-B	Unit-C	Unit-D	Unit-E	Total	Btu/h	kW	Btu/h	kW	Btu/h	kW	Min	Rated	Max
12	12	12	18	18	72	28,000	8.21	47,800	14.01	50,000	14.65	1980	4670	5400
12	12	12	12	24	72	28,000	8.21	47,800	14.01	50,000	14.65	1980	4670	5400

**Note**

1. Capacities are based on the following conditions :

- Cooling : Indoor Ambient Temp. 27°CDB/19°CWB, Outdoor Ambient Temp. 35°CDB/24°CWB
- Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
- Interconnected piping is standard length and difference of Elevation (Outdoor ~ Indoor Unit) is 0 m.

2. At least two indoor units should be connected. And minimum limit of combination ratio is 40% approximately for rated capacity of outdoor unit.

3. Don't exceed the maximum connectable indoor units number, it can be found in Specifications or combination table of outdoor unit model.

















# 5. Capacity tables

Combination capacity index (kBtu/h)	Outdoor Air Temp. (°CDB)	Indoor Air Temp. (°CWB)											
		14		16		18		19		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
7+9+12	22	5.85	0.90	6.22	1.22	6.59	1.32	6.77	1.34	7.32	1.35	7.68	1.35
	25	5.72	0.96	6.08	1.25	6.45	1.35	6.63	1.37	7.18	1.40	7.55	1.41
	32	5.39	1.29	5.76	1.52	6.12	1.59	6.31	1.61	6.86	1.65	7.22	1.68
	35	5.25	1.44	5.62	1.63	5.99	1.69	6.15	1.66	6.72	1.74	7.09	1.78
	40	5.02	1.58	5.39	1.70	5.76	1.72	5.94	1.73	6.49	1.75	6.85	1.79
	43	4.89	1.54	5.25	1.62	5.62	1.61	5.80	1.61	6.35	1.63	6.72	1.66
	46	4.75	1.39	5.11	1.40	5.48	1.37	5.66	1.36	6.21	1.36	6.58	1.39
9+9+12	22	5.85	0.90	6.22	1.22	6.59	1.32	6.77	1.34	7.32	1.35	7.68	1.35
	25	5.72	0.96	6.08	1.25	6.45	1.35	6.63	1.37	7.18	1.40	7.55	1.41
	32	5.39	1.29	5.76	1.52	6.12	1.59	6.31	1.61	6.86	1.65	7.22	1.68
	35	5.25	1.44	5.62	1.63	5.99	1.69	6.15	1.66	6.72	1.74	7.09	1.78
	40	5.02	1.58	5.39	1.70	5.76	1.72	5.94	1.73	6.49	1.75	6.85	1.79
	43	4.89	1.54	5.25	1.62	5.62	1.61	5.80	1.61	6.35	1.63	6.72	1.66
	46	4.75	1.39	5.11	1.40	5.48	1.37	5.66	1.36	6.21	1.36	6.58	1.39

**Note**

1. DB : Dry bulb temperature(°C), WB : Wet bulb temperature(°C)
2. TC : Total capacity(kW)
3. PI : Power Input (kW, Compressor + indoor fan motor + outdoor fan motor)
4. All capacities are net. A deduction (cooling mode) or an addition (heating mode) of Capacity due to operating heat of indoor unit motor is reflected.
5. Capacities are based on the following conditions ;  
 - Interconnecting Piping Length (Both Main pipe and Branch pipe) is standard length. Difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. Direct interpolation is permissible. Do not extrapolate.
7. Rated capacities and power inputs are based on standard temperature and piping conditions, and it can be found on specifications table. Except for rated value, the performance is not guaranteed.
8. In accordance with the test standard(or nations) and indoor unit's combinations, the rating will vary slightly.





# 5. Capacity tables

Combination Capacity Index (kBtu/h)	Outdoor Air Temp. (°CWB)	Indoor Air Temp. (°CDB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
12 + 12	-15.0	3.94	1.38	3.91	1.47	3.88	1.56	3.87	1.60	3.85	1.65	3.83	1.73
	-10.0	4.69	1.56	4.67	1.65	4.64	1.73	4.63	1.78	4.61	1.82	4.59	1.91
	-5.0	5.45	1.73	5.42	1.82	5.40	1.91	5.38	1.95	5.37	1.99	5.35	2.08
	0.0	6.21	1.91	6.18	1.99	6.15	2.08	6.03	2.03	5.91	1.98	5.66	1.87
	6.0	6.81	1.80	6.48	1.71	6.15	1.63	6.03	1.59	5.91	1.55	5.66	1.47
	10.0	6.81	1.65	6.48	1.57	6.15	1.50	6.03	1.46	5.91	1.42	5.66	1.35
7 + 18	-15.0	3.94	1.38	3.91	1.47	3.88	1.56	3.87	1.60	3.85	1.65	3.83	1.73
	-10.0	4.69	1.56	4.67	1.65	4.64	1.73	4.63	1.78	4.61	1.82	4.59	1.91
	-5.0	5.45	1.73	5.42	1.82	5.40	1.91	5.38	1.95	5.37	1.99	5.35	2.08
	0.0	6.21	1.91	6.18	1.99	6.15	2.08	6.03	2.03	5.91	1.98	5.66	1.87
	6.0	6.81	1.80	6.48	1.71	6.15	1.63	6.03	1.59	5.91	1.55	5.66	1.47
	10.0	6.81	1.65	6.48	1.57	6.15	1.50	6.03	1.46	5.91	1.42	5.66	1.35
9 + 18	-15.0	3.94	1.38	3.91	1.47	3.88	1.56	3.87	1.60	3.85	1.65	3.83	1.73
	-10.0	4.69	1.56	4.67	1.65	4.64	1.73	4.63	1.78	4.61	1.82	4.59	1.91
	-5.0	5.45	1.73	5.42	1.82	5.40	1.91	5.38	1.95	5.37	1.99	5.35	2.08
	0.0	6.21	1.91	6.18	1.99	6.15	2.08	6.03	2.03	5.91	1.98	5.66	1.87
	6.0	6.81	1.80	6.48	1.71	6.15	1.63	6.03	1.59	5.91	1.55	5.66	1.47
	10.0	6.81	1.65	6.48	1.57	6.15	1.50	6.03	1.46	5.91	1.42	5.66	1.35
12 + 18	-15.0	3.94	1.38	3.91	1.47	3.88	1.56	3.87	1.60	3.85	1.65	3.83	1.73
	-10.0	4.69	1.56	4.67	1.65	4.64	1.73	4.63	1.78	4.61	1.82	4.59	1.91
	-5.0	5.45	1.73	5.42	1.82	5.40	1.91	5.38	1.95	5.37	2.00	5.35	2.08
	0.0	6.21	1.91	6.18	2.00	6.15	2.08	6.03	2.03	5.91	1.98	5.66	1.87
	6.0	6.81	1.80	6.48	1.71	6.15	1.63	6.03	1.59	5.91	1.55	5.66	1.47
	10.0	6.81	1.65	6.48	1.57	6.15	1.50	6.03	1.46	5.91	1.42	5.66	1.35
3 Units Operation													
7 + 7 + 7	-15.0	3.94	1.30	3.91	1.39	3.88	1.47	3.87	1.51	3.85	1.55	3.83	1.63
	-10.0	4.69	1.47	4.67	1.55	4.64	1.63	4.63	1.68	4.61	1.72	4.59	1.80
	-5.0	5.45	1.63	5.42	1.72	5.40	1.80	5.38	1.84	5.37	1.88	5.35	1.96
	0.0	6.21	1.80	6.18	1.88	6.15	1.96	6.03	1.92	5.91	1.87	5.66	1.77
	6.0	6.81	1.69	6.48	1.62	6.15	1.54	6.03	1.50	5.91	1.46	5.66	1.39
	10.0	6.81	1.56	6.48	1.49	6.15	1.41	6.03	1.38	5.91	1.34	5.66	1.27
7 + 7 + 9	-15.0	3.94	1.30	3.91	1.39	3.88	1.47	3.87	1.51	3.85	1.55	3.83	1.63
	-10.0	4.69	1.47	4.67	1.55	4.64	1.63	4.63	1.68	4.61	1.72	4.59	1.80
	-5.0	5.45	1.63	5.42	1.72	5.40	1.80	5.38	1.84	5.37	1.88	5.35	1.96
	0.0	6.21	1.80	6.18	1.88	6.15	1.96	6.03	1.92	5.91	1.87	5.66	1.77
	6.0	6.81	1.69	6.48	1.62	6.15	1.54	6.03	1.50	5.91	1.46	5.66	1.39
	10.0	6.81	1.56	6.48	1.49	6.15	1.41	6.03	1.38	5.91	1.34	5.66	1.27
7 + 9 + 9	-15.0	3.94	1.30	3.91	1.39	3.88	1.47	3.87	1.51	3.85	1.55	3.83	1.63
	-10.0	4.69	1.47	4.67	1.55	4.64	1.63	4.63	1.68	4.61	1.72	4.59	1.80
	-5.0	5.45	1.63	5.42	1.72	5.40	1.80	5.38	1.84	5.37	1.88	5.35	1.96
	0.0	6.21	1.80	6.18	1.88	6.15	1.96	6.03	1.92	5.91	1.87	5.66	1.77
	6.0	6.81	1.69	6.48	1.62	6.15	1.54	6.03	1.50	5.91	1.46	5.66	1.39
	10.0	6.81	1.56	6.48	1.49	6.15	1.41	6.03	1.38	5.91	1.34	5.66	1.27
7 + 7 + 12	-15.0	3.94	1.30	3.91	1.39	3.88	1.47	3.87	1.51	3.85	1.55	3.83	1.63
	-10.0	4.69	1.47	4.67	1.55	4.64	1.63	4.63	1.68	4.61	1.72	4.59	1.80
	-5.0	5.45	1.63	5.42	1.72	5.40	1.80	5.38	1.84	5.37	1.88	5.35	1.96
	0.0	6.21	1.80	6.18	1.88	6.15	1.96	6.03	1.92	5.91	1.87	5.66	1.77
	6.0	6.81	1.69	6.48	1.62	6.15	1.54	6.03	1.50	5.91	1.46	5.66	1.39
	10.0	6.81	1.56	6.48	1.49	6.15	1.41	6.03	1.38	5.91	1.34	5.66	1.27
9 + 9 + 9	-15.0	3.94	1.30	3.91	1.39	3.88	1.47	3.87	1.51	3.85	1.55	3.83	1.63
	-10.0	4.69	1.47	4.67	1.55	4.64	1.63	4.63	1.68	4.61	1.72	4.59	1.80
	-5.0	5.45	1.63	5.42	1.72	5.40	1.80	5.38	1.84	5.37	1.88	5.35	1.96
	0.0	6.21	1.80	6.18	1.88	6.15	1.96	6.03	1.92	5.91	1.87	5.66	1.77
	6.0	6.81	1.69	6.48	1.62	6.15	1.54	6.03	1.50	5.91	1.46	5.66	1.39
	10.0	6.81	1.56	6.48	1.49	6.15	1.41	6.03	1.38	5.91	1.34	5.66	1.27

**Note**

- DB : Dry bulb temperature(°C), WB : Wet bulb temperature(°C)
- TC : Total capacity(kW)
- PI : Power Input (kW, Compressor + indoor fan motor + outdoor fan motor)
- All capacities are net. A deduction (cooling mode) or an addition (heating mode) of Capacity due to operating heat of indoor unit motor is reflected.
- Capacities are based on the following conditions ;
  - Interconnecting Piping Length (Both Main pipe and Branch pipe) is standard length.
  - Difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
- Direct interpolation is permissible. Do not extrapolate.
- Rated capacities and power inputs are based on standard temperature and piping conditions, and it can be found on specifications table. Except for rated value, the performance is not guaranteed.
- In accordance with the test standard(or nations) and indoor unit's combinations, the rating will vary slightly.

# 5. Capacity tables

Combination Capacity Index (kBtu/h)	Outdoor Air Temp. (°CWB)	Indoor Air Temp. (°CDB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
7 + 9 + 12	-15.0	3.94	1.30	3.91	1.39	3.88	1.47	3.87	1.51	3.85	1.55	3.83	1.63
	-10.0	4.69	1.47	4.67	1.55	4.64	1.63	4.63	1.68	4.61	1.72	4.59	1.80
	-5.0	5.45	1.63	5.42	1.72	5.40	1.80	5.38	1.84	5.37	1.88	5.35	1.96
	0.0	6.21	1.80	6.18	1.88	6.15	1.96	6.03	1.92	5.91	1.87	5.66	1.77
	6.0	6.81	1.69	6.48	1.62	6.15	1.54	6.03	1.50	5.91	1.46	5.66	1.39
	10.0	6.81	1.56	6.48	1.49	6.15	1.41	6.03	1.38	5.91	1.34	5.66	1.27
	15.0	6.81	1.38	6.48	1.32	6.15	1.26	6.03	1.23	5.91	1.20	5.66	1.13
9 + 9 + 12	-15.0	3.94	1.30	3.91	1.39	3.88	1.47	3.87	1.51	3.85	1.55	3.83	1.63
	-10.0	4.69	1.47	4.67	1.55	4.64	1.63	4.63	1.68	4.61	1.72	4.59	1.80
	-5.0	5.45	1.63	5.42	1.72	5.40	1.80	5.38	1.84	5.37	1.88	5.35	1.96
	0.0	6.21	1.80	6.18	1.88	6.15	1.96	6.03	1.92	5.91	1.87	5.66	1.77
	6.0	6.81	1.69	6.48	1.62	6.15	1.54	6.03	1.50	5.91	1.46	5.66	1.39
	10.0	6.81	1.56	6.48	1.49	6.15	1.41	6.03	1.38	5.91	1.34	5.66	1.27
	15.0	6.81	1.38	6.48	1.32	6.15	1.26	6.03	1.23	5.91	1.20	5.66	1.13

**Note**

1. DB : Dry bulb temperature(°C), WB : Wet bulb temperature(°C)
2. TC : Total capacity(kW)
3. PI : Power Input (kW, Compressor + indoor fan motor + outdoor fan motor)
4. All capacities are net. A deduction (cooling mode) or an addition (heating mode) of Capacity due to operating heat of indoor unit motor is reflected.
5. Capacities are based on the following conditions ;
  - Interconnecting Piping Length (Both Main pipe and Branch pipe) is standard length.
  - Difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. Direct interpolation is permissible. Do not extrapolate.
7. Rated capacities and power inputs are based on standard temperature and piping conditions, and it can be found on specifications table. Except for rated value, the performance is not guaranteed.
8. In accordance with the test standard(or nations) and indoor unit's combinations, the rating will vary slightly.







# 5. Capacity tables

Combination capacity index (kBtu/h)	Outdoor Air Temp. (°CDB)	Indoor Air Temp. (°CWB)											
		14		16		18		19		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
9+12+12	22	6.69	0.93	7.11	1.26	7.53	1.36	7.74	1.38	8.36	1.39	8.78	1.39
	25	6.53	0.99	6.95	1.29	7.37	1.39	7.58	1.41	8.21	1.44	8.62	1.45
	32	6.16	1.33	6.58	1.56	7.00	1.64	7.21	1.66	7.84	1.70	8.26	1.73
	35	6.01	1.48	6.42	1.68	6.84	1.74	7.03	1.71	7.68	1.79	8.10	1.83
	40	5.74	1.62	6.16	1.75	6.58	1.78	6.79	1.78	7.42	1.81	7.83	1.85
	43	5.58	1.59	6.00	1.67	6.42	1.66	6.63	1.66	7.26	1.68	7.68	1.71
	46	5.43	1.43	5.84	1.45	6.26	1.41	6.47	1.40	7.10	1.40	7.52	1.43
7+9+18	22	6.69	0.93	7.11	1.26	7.53	1.36	7.74	1.38	8.36	1.39	8.78	1.39
	25	6.53	0.99	6.95	1.29	7.37	1.39	7.58	1.41	8.21	1.44	8.62	1.45
	32	6.16	1.33	6.58	1.56	7.00	1.64	7.21	1.66	7.84	1.70	8.26	1.73
	35	6.01	1.48	6.42	1.68	6.84	1.74	7.03	1.71	7.68	1.79	8.10	1.83
	40	5.74	1.62	6.16	1.75	6.58	1.78	6.79	1.78	7.42	1.81	7.83	1.85
	43	5.58	1.59	6.00	1.67	6.42	1.66	6.63	1.66	7.26	1.68	7.68	1.71
	46	5.43	1.43	5.84	1.45	6.26	1.41	6.47	1.40	7.10	1.40	7.52	1.43
12+12+12	22	6.69	0.93	7.11	1.26	7.53	1.36	7.74	1.38	8.36	1.39	8.78	1.39
	25	6.53	0.99	6.95	1.29	7.37	1.39	7.58	1.41	8.21	1.44	8.62	1.45
	32	6.16	1.33	6.58	1.56	7.00	1.64	7.21	1.66	7.84	1.70	8.26	1.73
	35	6.01	1.48	6.42	1.68	6.84	1.74	7.03	1.71	7.68	1.79	8.10	1.83
	40	5.74	1.62	6.16	1.75	6.58	1.78	6.79	1.78	7.42	1.81	7.83	1.85
	43	5.58	1.59	6.00	1.67	6.42	1.66	6.63	1.66	7.26	1.68	7.68	1.71
	46	5.43	1.43	5.84	1.45	6.26	1.41	6.47	1.40	7.10	1.40	7.52	1.43
9+9+18	22	6.69	0.93	7.11	1.26	7.53	1.36	7.74	1.38	8.36	1.39	8.78	1.39
	25	6.53	0.99	6.95	1.29	7.37	1.39	7.58	1.41	8.21	1.44	8.62	1.45
	32	6.16	1.33	6.58	1.56	7.00	1.64	7.21	1.66	7.84	1.70	8.26	1.73
	35	6.01	1.48	6.42	1.68	6.84	1.74	7.03	1.71	7.68	1.79	8.10	1.83
	40	5.74	1.62	6.16	1.75	6.58	1.78	6.79	1.78	7.42	1.81	7.83	1.85
	43	5.58	1.59	6.00	1.67	6.42	1.66	6.63	1.66	7.26	1.68	7.68	1.71
	46	5.43	1.43	5.84	1.45	6.26	1.41	6.47	1.40	7.10	1.40	7.52	1.43

**Note**

1. DB : Dry bulb temperature(°C), WB : Wet bulb temperature(°C)
2. TC : Total capacity(kW)
3. PI : Power Input (kW, Compressor + indoor fan motor + outdoor fan motor)
4. All capacities are net. A deduction (cooling mode) or an addition (heating mode) of Capacity due to operating heat of indoor unit motor is reflected.
5. Capacities are based on the following conditions ;
  - Interconnecting Piping Length (Both Main pipe and Branch pipe) is standard length.
  - Difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. Direct interpolation is permissible. Do not extrapolate.
7. Rated capacities and power inputs are based on standard temperature and piping conditions, and it can be found on specifications table. Except for rated value, the performance is not guaranteed.
8. In accordance with the test standard(or nations) and indoor unit's combinations, the rating will vary slightly.







# 5. Capacity tables

Combination Capacity Index (kBTU/h)	Outdoor Air Temp. (°CWB)	Indoor Air Temp. (°CDB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
7 + 7 + 7	-15.0	4.78	1.64	4.75	1.75	4.71	1.86	4.70	1.91	4.68	1.97	4.65	2.07
	-10.0	5.83	1.86	5.80	1.97	5.76	2.07	5.75	2.13	5.73	2.18	5.70	2.29
	-5.0	6.88	2.07	6.84	2.18	6.81	2.29	6.79	2.34	6.78	2.40	6.75	2.45
	0.0	7.93	2.29	7.78	2.30	7.39	2.22	7.24	2.17	7.09	2.13	6.80	2.04
	6.0	8.18	1.90	7.78	1.82	7.39	1.73	7.24	1.69	7.09	1.64	6.80	1.56
	10.0	8.18	1.75	7.78	1.67	7.39	1.59	7.24	1.55	7.09	1.51	6.80	1.43
7 + 7 + 9	-15.0	4.82	1.66	4.78	1.77	4.75	1.87	4.73	1.93	4.72	1.98	4.69	2.09
	-10.0	5.87	1.87	5.84	1.98	5.80	2.09	5.79	2.15	5.77	2.20	5.74	2.31
	-5.0	6.93	2.09	6.89	2.20	6.86	2.31	6.84	2.36	6.83	2.42	6.80	2.53
	0.0	7.98	2.31	7.95	2.42	7.91	2.53	7.76	2.46	7.60	2.40	7.28	2.27
	6.0	8.76	2.17	8.34	2.07	7.91	1.97	7.76	1.92	7.60	1.87	7.28	1.78
	10.0	8.76	2.00	8.34	1.91	7.91	1.82	7.76	1.77	7.60	1.72	7.28	1.63
7 + 9 + 9	-15.0	4.82	1.66	4.78	1.77	4.75	1.87	4.73	1.93	4.72	1.98	4.69	2.09
	-10.0	5.87	1.87	5.84	1.98	5.80	2.09	5.79	2.15	5.77	2.20	5.74	2.31
	-5.0	6.93	2.09	6.89	2.20	6.86	2.31	6.84	2.36	6.83	2.42	6.80	2.53
	0.0	7.98	2.31	7.95	2.42	7.91	2.53	7.76	2.46	7.60	2.40	7.28	2.27
	6.0	8.76	2.17	8.34	2.07	7.91	1.97	7.76	1.92	7.60	1.87	7.28	1.78
	10.0	8.76	2.00	8.34	1.91	7.91	1.82	7.76	1.77	7.60	1.72	7.28	1.63
7 + 7 + 12	-15.0	4.82	1.66	4.78	1.77	4.75	1.87	4.73	1.93	4.72	1.98	4.69	2.09
	-10.0	5.87	1.87	5.84	1.98	5.80	2.09	5.79	2.15	5.77	2.20	5.74	2.31
	-5.0	6.93	2.09	6.89	2.20	6.86	2.31	6.84	2.36	6.83	2.42	6.80	2.53
	0.0	7.98	2.31	7.95	2.42	7.91	2.53	7.76	2.46	7.60	2.40	7.28	2.27
	6.0	8.76	2.17	8.34	2.07	7.91	1.97	7.76	1.92	7.60	1.87	7.28	1.78
	10.0	8.76	2.00	8.34	1.91	7.91	1.82	7.76	1.77	7.60	1.72	7.28	1.63
9 + 9 + 9	-15.0	4.82	1.66	4.78	1.77	4.75	1.87	4.73	1.93	4.72	1.98	4.69	2.09
	-10.0	5.87	1.87	5.84	1.98	5.80	2.09	5.79	2.15	5.77	2.20	5.74	2.31
	-5.0	6.93	2.09	6.89	2.20	6.86	2.31	6.84	2.36	6.83	2.42	6.80	2.53
	0.0	7.98	2.31	7.95	2.42	7.91	2.53	7.76	2.46	7.60	2.40	7.28	2.27
	6.0	8.76	2.17	8.34	2.07	7.91	1.97	7.76	1.92	7.60	1.87	7.28	1.78
	10.0	8.76	2.00	8.34	1.91	7.91	1.82	7.76	1.77	7.60	1.72	7.28	1.63
7 + 9 + 12	-15.0	4.82	1.66	4.78	1.77	4.75	1.87	4.73	1.93	4.72	1.98	4.69	2.09
	-10.0	5.87	1.87	5.84	1.98	5.80	2.09	5.79	2.15	5.77	2.20	5.74	2.31
	-5.0	6.93	2.09	6.89	2.20	6.86	2.31	6.84	2.36	6.83	2.42	6.80	2.53
	0.0	7.98	2.31	7.95	2.42	7.91	2.53	7.76	2.46	7.60	2.40	7.28	2.27
	6.0	8.76	2.17	8.34	2.07	7.91	1.97	7.76	1.92	7.60	1.87	7.28	1.78
	10.0	8.76	2.00	8.34	1.91	7.91	1.82	7.76	1.77	7.60	1.72	7.28	1.63
9 + 9 + 12	-15.0	4.82	1.66	4.78	1.77	4.75	1.87	4.73	1.93	4.72	1.98	4.69	2.09
	-10.0	5.87	1.87	5.84	1.98	5.80	2.09	5.79	2.15	5.77	2.20	5.74	2.31
	-5.0	6.93	2.09	6.89	2.20	6.86	2.31	6.84	2.36	6.83	2.42	6.80	2.53
	0.0	7.98	2.31	7.95	2.42	7.91	2.53	7.76	2.46	7.60	2.40	7.28	2.27
	6.0	8.76	2.17	8.34	2.07	7.91	1.97	7.76	1.92	7.60	1.87	7.28	1.78
	10.0	8.76	2.00	8.34	1.91	7.91	1.82	7.76	1.77	7.60	1.72	7.28	1.63
7 + 12 + 12	-15.0	4.82	1.66	4.78	1.77	4.75	1.87	4.73	1.93	4.72	1.98	4.69	2.09
	-10.0	5.87	1.87	5.84	1.98	5.80	2.09	5.79	2.15	5.77	2.20	5.74	2.31
	-5.0	6.93	2.09	6.89	2.20	6.86	2.31	6.84	2.36	6.83	2.42	6.80	2.53
	0.0	7.98	2.31	7.95	2.42	7.91	2.53	7.76	2.46	7.60	2.40	7.28	2.27
	6.0	8.76	2.17	8.34	2.07	7.91	1.97	7.76	1.92	7.60	1.87	7.28	1.78
	10.0	8.76	2.00	8.34	1.91	7.91	1.82	7.76	1.77	7.60	1.72	7.28	1.63
7 + 7 + 18	-15.0	4.82	1.66	4.78	1.77	4.75	1.87	4.73	1.93	4.72	1.98	4.69	2.09
	-10.0	5.87	1.87	5.84	1.98	5.80	2.09	5.79	2.15	5.77	2.20	5.74	2.31
	-5.0	6.93	2.09	6.89	2.20	6.86	2.31	6.84	2.36	6.83	2.42	6.80	2.53
	0.0	7.98	2.31	7.95	2.42	7.91	2.53	7.76	2.46	7.60	2.40	7.28	2.27
	6.0	8.76	2.17	8.34	2.07	7.91	1.97	7.76	1.92	7.60	1.87	7.28	1.78
	10.0	8.76	2.00	8.34	1.91	7.91	1.82	7.76	1.77	7.60	1.72	7.28	1.63

**Note**

- DB : Dry bulb temperature(°C), WB : Wet bulb temperature(°C)
- TC : Total capacity(kW)
- PI : Power Input (kW, Compressor + indoor fan motor + outdoor fan motor)
- All capacities are net. A deduction (cooling mode) or an addition (heating mode) of Capacity due to operating heat of indoor unit motor is reflected.
- Capacities are based on the following conditions ;
  - Interconnecting Piping Length (Both Main pipe and Branch pipe) is standard length.
  - Difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
- Direct interpolation is permissible. Do not extrapolate.
- Rated capacities and power inputs are based on standard temperature and piping conditions, and it can be found on specifications table. Except for rated value, the performance is not guaranteed.
- In accordance with the test standard(or nations) and indoor unit's combinations, the rating will vary slightly.

# 5. Capacity tables

Combination Capacity Index (kBtu/h)	Outdoor Air Temp. (°CWB)	Indoor Air Temp. (°CDB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
9 + 12 + 12	-15.0	4.82	1.66	4.78	1.77	4.75	1.87	4.73	1.93	4.72	1.98	4.69	2.09
	-10.0	5.87	1.87	5.84	1.98	5.80	2.09	5.79	2.15	5.77	2.20	5.74	2.31
	-5.0	6.93	2.09	6.89	2.20	6.86	2.31	6.84	2.36	6.83	2.42	6.80	2.53
	0.0	7.98	2.31	7.95	2.42	7.91	2.53	7.76	2.46	7.60	2.40	7.28	2.27
	6.0	8.76	2.17	8.34	2.07	7.91	1.97	7.76	1.92	7.60	1.87	7.28	1.78
	10.0	8.76	2.00	8.34	1.91	7.91	1.82	7.76	1.77	7.60	1.72	7.28	1.63
7 + 9 + 18	15.0	8.76	1.78	8.34	1.70	7.91	1.62	7.76	1.58	7.60	1.54	7.28	1.46
	-15.0	4.82	1.66	4.78	1.77	4.75	1.87	4.73	1.93	4.72	1.98	4.69	2.09
	-10.0	5.87	1.87	5.84	1.98	5.80	2.09	5.79	2.15	5.77	2.20	5.74	2.31
	-5.0	6.93	2.09	6.89	2.20	6.86	2.31	6.84	2.36	6.83	2.42	6.80	2.53
	0.0	7.98	2.31	7.95	2.42	7.91	2.53	7.76	2.46	7.60	2.40	7.28	2.27
	6.0	8.76	2.17	8.34	2.07	7.91	1.97	7.76	1.92	7.60	1.87	7.28	1.78
12 + 12 + 12	10.0	8.76	2.00	8.34	1.91	7.91	1.82	7.76	1.77	7.60	1.72	7.28	1.63
	15.0	8.76	1.78	8.34	1.70	7.91	1.62	7.76	1.58	7.60	1.54	7.28	1.46
	-15.0	4.82	1.66	4.78	1.77	4.75	1.87	4.73	1.93	4.72	1.98	4.69	2.09
	-10.0	5.87	1.87	5.84	1.98	5.80	2.09	5.79	2.15	5.77	2.20	5.74	2.31
	-5.0	6.93	2.09	6.89	2.20	6.86	2.31	6.84	2.36	6.83	2.42	6.80	2.53
	0.0	7.98	2.31	7.95	2.42	7.91	2.53	7.76	2.46	7.60	2.40	7.28	2.27
9 + 9 + 18	6.0	8.76	2.17	8.34	2.07	7.91	1.97	7.76	1.92	7.60	1.87	7.28	1.78
	10.0	8.76	2.00	8.34	1.91	7.91	1.82	7.76	1.77	7.60	1.72	7.28	1.63
	15.0	8.76	1.78	8.34	1.70	7.91	1.62	7.76	1.58	7.60	1.54	7.28	1.46
	-15.0	4.82	1.66	4.78	1.77	4.75	1.87	4.73	1.93	4.72	1.98	4.69	2.09
	-10.0	5.87	1.87	5.84	1.98	5.80	2.09	5.79	2.15	5.77	2.20	5.74	2.31
	-5.0	6.93	2.09	6.89	2.20	6.86	2.31	6.84	2.36	6.83	2.42	6.80	2.53

**Note**

1. DB : Dry bulb temperature(°C), WB : Wet bulb temperature(°C)
2. TC : Total capacity(kW)
3. PI : Power Input (kW, Compressor + indoor fan motor + outdoor fan motor)
4. All capacities are net. A deduction (cooling mode) or an addition (heating mode) of Capacity due to operating heat of indoor unit motor is reflected.
5. Capacities are based on the following conditions ;
  - Interconnecting Piping Length (Both Main pipe and Branch pipe) is standard length.
  - Difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. Direct interpolation is permissible. Do not extrapolate.
7. Rated capacities and power inputs are based on standard temperature and piping conditions, and it can be found on specifications table. Except for rated value, the performance is not guaranteed.
8. In accordance with the test standard(or nations) and indoor unit's combinations, the rating will vary slightly.



# 5. Capacity tables

Combination capacity index (kBTU/h)	Outdoor Air Temp. (°CDB)	Indoor Air Temp. (°CWB)											
		14		16		18		19		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
9+12	22	5.85	0.86	6.22	1.17	6.59	1.26	6.77	1.28	7.32	1.29	7.68	1.29
	25	5.72	0.92	6.08	1.20	6.45	1.29	6.63	1.31	7.18	1.34	7.55	1.35
	32	5.39	1.23	5.76	1.45	6.12	1.52	6.31	1.54	6.86	1.58	7.22	1.61
	35	5.25	1.37	5.62	1.56	5.99	1.62	6.15	1.59	6.72	1.67	7.09	1.70
	40	5.02	1.51	5.39	1.63	5.76	1.65	5.94	1.65	6.49	1.68	6.85	1.71
	43	4.89	1.48	5.25	1.55	5.62	1.54	5.80	1.54	6.35	1.56	6.72	1.59
12+12	22	6.69	0.99	7.11	1.34	7.53	1.45	7.74	1.47	8.36	1.48	8.78	1.48
	25	6.53	1.05	6.95	1.38	7.37	1.48	7.58	1.51	8.21	1.53	8.62	1.55
	32	6.16	1.41	6.58	1.67	7.00	1.75	7.21	1.77	7.84	1.81	8.26	1.84
	35	6.01	1.58	6.42	1.79	6.84	1.85	7.03	1.82	7.68	1.91	8.10	1.95
	40	5.74	1.73	6.16	1.86	6.58	1.89	6.79	1.90	7.42	1.93	7.83	1.97
	43	5.58	1.70	6.00	1.77	6.42	1.77	6.63	1.77	7.26	1.79	7.68	1.83
7+18	22	6.97	1.06	7.40	1.43	7.84	1.55	8.06	1.57	8.71	1.58	9.15	1.58
	25	6.80	1.12	7.24	1.47	7.68	1.59	7.89	1.61	8.55	1.64	8.98	1.65
	32	6.42	1.51	6.86	1.78	7.29	1.87	7.51	1.89	8.16	1.93	8.60	1.97
	35	6.26	1.68	6.69	1.91	7.13	1.98	7.33	1.95	8.00	2.04	8.43	2.08
	40	5.98	1.85	6.42	1.99	6.85	2.02	7.07	2.03	7.72	2.06	8.16	2.10
	43	5.82	1.81	6.25	1.90	6.69	1.89	6.91	1.89	7.56	1.91	8.00	1.95
9+18	22	7.53	1.20	8.00	1.62	8.47	1.76	8.70	1.78	9.41	1.80	9.88	1.80
	25	7.35	1.28	7.82	1.67	8.29	1.80	8.52	1.83	9.23	1.86	9.70	1.88
	32	6.93	1.71	7.40	2.02	7.87	2.12	8.11	2.15	8.82	2.20	9.29	2.24
	35	6.76	1.91	7.23	2.17	7.70	2.25	7.91	2.21	8.64	2.32	9.11	2.37
	40	6.46	2.10	6.93	2.26	7.40	2.29	7.64	2.30	8.34	2.34	8.81	2.39
	43	6.28	2.06	6.75	2.15	7.22	2.15	7.46	2.15	8.16	2.17	8.64	2.21
12+18	22	7.53	1.20	8.00	1.62	8.47	1.76	8.70	1.78	9.41	1.80	9.88	1.80
	25	7.35	1.28	7.82	1.67	8.29	1.80	8.52	1.83	9.23	1.86	9.70	1.88
	32	6.93	1.71	7.40	2.02	7.87	2.12	8.11	2.15	8.82	2.20	9.29	2.24
	35	6.76	1.91	7.23	2.17	7.70	2.25	7.91	2.21	8.64	2.32	9.11	2.37
	40	6.46	2.10	6.93	2.26	7.40	2.29	7.64	2.30	8.34	2.34	8.81	2.39
	43	6.28	2.06	6.75	2.15	7.22	2.15	7.46	2.15	8.16	2.17	8.64	2.21
7+24	22	7.53	1.20	8.00	1.62	8.47	1.76	8.70	1.78	9.41	1.80	9.88	1.80
	25	7.35	1.28	7.82	1.67	8.29	1.80	8.52	1.83	9.23	1.86	9.70	1.88
	32	6.93	1.71	7.40	2.02	7.87	2.12	8.11	2.15	8.82	2.20	9.29	2.24
	35	6.76	1.91	7.23	2.17	7.70	2.25	7.91	2.21	8.64	2.32	9.11	2.37
	40	6.46	2.10	6.93	2.26	7.40	2.29	7.64	2.30	8.34	2.34	8.81	2.39
	43	6.28	2.06	6.75	2.15	7.22	2.15	7.46	2.15	8.16	2.17	8.64	2.21
9+24	22	7.53	1.20	8.00	1.62	8.47	1.76	8.70	1.78	9.41	1.80	9.88	1.80
	25	7.35	1.28	7.82	1.67	8.29	1.80	8.52	1.83	9.23	1.86	9.70	1.88
	32	6.93	1.71	7.40	2.02	7.87	2.12	8.11	2.15	8.82	2.20	9.29	2.24
	35	6.76	1.91	7.23	2.17	7.70	2.25	7.91	2.21	8.64	2.32	9.11	2.37
	40	6.46	2.10	6.93	2.26	7.40	2.29	7.64	2.30	8.34	2.34	8.81	2.39
	43	6.28	2.06	6.75	2.15	7.22	2.15	7.46	2.15	8.16	2.17	8.64	2.21
18+18	22	7.53	1.20	8.00	1.62	8.47	1.76	8.70	1.78	9.41	1.80	9.88	1.80
	25	7.35	1.28	7.82	1.67	8.29	1.80	8.52	1.83	9.23	1.86	9.70	1.88
	32	6.93	1.71	7.40	2.02	7.87	2.12	8.11	2.15	8.82	2.20	9.29	2.24
	35	6.76	1.91	7.23	2.17	7.70	2.25	7.91	2.21	8.64	2.32	9.11	2.37
	40	6.46	2.10	6.93	2.26	7.40	2.29	7.64	2.30	8.34	2.34	8.81	2.39
	43	6.28	2.06	6.75	2.15	7.22	2.15	7.46	2.15	8.16	2.17	8.64	2.21
12+24	22	7.53	1.20	8.00	1.62	8.47	1.76	8.70	1.78	9.41	1.80	9.88	1.80
	25	7.35	1.28	7.82	1.67	8.29	1.80	8.52	1.83	9.23	1.86	9.70	1.88
	32	6.93	1.71	7.40	2.02	7.87	2.12	8.11	2.15	8.82	2.20	9.29	2.24
	35	6.76	1.91	7.23	2.17	7.70	2.25	7.91	2.21	8.64	2.32	9.11	2.37
	40	6.46	2.10	6.93	2.26	7.40	2.29	7.64	2.30	8.34	2.34	8.81	2.39
	43	6.28	2.06	6.75	2.15	7.22	2.15	7.46	2.15	8.16	2.17	8.64	2.21

**Note**

1. DB : Dry bulb temperature(°C), WB : Wet bulb temperature(°C)
2. TC : Total capacity(kW)
3. PI : Power Input (kW, Compressor + indoor fan motor + outdoor fan motor)
4. All capacities are net. A deduction (cooling mode) or an addition (heating mode) of Capacity due to operating heat of indoor unit motor is reflected.
5. Capacities are based on the following conditions ;
  - Interconnecting Piping Length (Both Main pipe and Branch pipe) is standard length.
  - Difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. Direct interpolation is permissible. Do not extrapolate.
7. Rated capacities and power inputs are based on standard temperature and piping conditions, and it can be found on specifications table. Except for rated value, the performance is not guaranteed.
8. In accordance with the test standard(or nations) and indoor unit's combinations, the rating will vary slightly.

# 5. Capacity tables

Combination capacity index (kBtu/h)	Outdoor Air Temp. (°CDB)	Indoor Air Temp. (°CWB)											
		14		16		18		19		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
18+24	22	7.53	1.20	8.00	1.62	8.47	1.76	8.70	1.78	9.41	1.80	9.88	1.80
	25	7.35	1.28	7.82	1.67	8.29	1.80	8.52	1.83	9.23	1.86	9.70	1.88
	32	6.93	1.71	7.40	2.02	7.87	2.12	8.11	2.15	8.82	2.20	9.29	2.24
	35	6.76	1.91	7.23	2.17	7.70	2.25	7.91	2.21	8.64	2.32	9.11	2.37
	40	6.46	2.10	6.93	2.26	7.40	2.29	7.64	2.30	8.34	2.34	8.81	2.39
	43	6.28	2.06	6.75	2.15	7.22	2.15	7.46	2.15	8.16	2.17	8.64	2.21
24+24	22	7.53	1.20	8.00	1.62	8.47	1.76	8.70	1.78	9.41	1.80	9.88	1.80
	25	7.35	1.28	7.82	1.67	8.29	1.80	8.52	1.83	9.23	1.86	9.70	1.88
	32	6.93	1.71	7.40	2.02	7.87	2.12	8.11	2.15	8.82	2.20	9.29	2.24
	35	6.76	1.91	7.23	2.17	7.70	2.25	7.91	2.21	8.64	2.32	9.11	2.37
	40	6.46	2.10	6.93	2.26	7.40	2.29	7.64	2.30	8.34	2.34	8.81	2.39
	43	6.28	2.06	6.75	2.15	7.22	2.15	7.46	2.15	8.16	2.17	8.64	2.21
<b>3 Units Operation</b>													
7+7+7	22	5.85	0.81	6.22	1.10	6.59	1.19	6.77	1.20	7.32	1.21	7.68	1.21
	25	5.72	0.86	6.08	1.13	6.45	1.22	6.63	1.23	7.18	1.26	7.55	1.27
	32	5.39	1.16	5.76	1.36	6.12	1.43	6.31	1.45	6.86	1.48	7.22	1.51
	35	5.25	1.29	5.62	1.47	5.99	1.52	6.15	1.49	6.72	1.57	7.09	1.60
	40	5.02	1.42	5.39	1.53	5.76	1.55	5.94	1.55	6.49	1.58	6.85	1.61
	43	4.89	1.39	5.25	1.45	5.62	1.45	5.80	1.45	6.35	1.46	6.72	1.50
7+7+9	22	6.41	0.89	6.81	1.20	7.21	1.30	7.41	1.31	8.01	1.32	8.42	1.32
	25	6.26	0.94	6.66	1.23	7.06	1.33	7.26	1.35	7.86	1.37	8.26	1.38
	32	5.91	1.26	6.31	1.49	6.71	1.56	6.91	1.58	7.51	1.62	7.91	1.65
	35	5.76	1.41	6.16	1.60	6.56	1.66	6.74	1.63	7.36	1.71	7.76	1.74
	40	5.50	1.55	5.90	1.67	6.30	1.69	6.51	1.70	7.11	1.72	7.51	1.76
	43	5.35	1.52	5.75	1.59	6.15	1.58	6.35	1.58	6.96	1.60	7.36	1.63
7+9+9	22	6.97	1.00	7.40	1.34	7.84	1.46	8.06	1.47	8.71	1.49	9.15	1.49
	25	6.80	1.06	7.24	1.38	7.68	1.49	7.89	1.51	8.55	1.54	8.98	1.55
	32	6.42	1.42	6.86	1.67	7.29	1.76	7.51	1.78	8.16	1.82	8.60	1.85
	35	6.26	1.58	6.69	1.80	7.13	1.86	7.33	1.83	8.00	1.92	8.43	1.96
	40	5.98	1.74	6.42	1.87	6.85	1.90	7.07	1.90	7.72	1.93	8.16	1.98
	43	5.82	1.70	6.25	1.78	6.69	1.78	6.91	1.78	7.56	1.79	8.00	1.83
7+7+12	22	7.25	1.06	7.70	1.43	8.15	1.55	8.38	1.57	9.06	1.58	9.51	1.59
	25	7.08	1.13	7.53	1.48	7.98	1.59	8.21	1.61	8.89	1.64	9.34	1.66
	32	6.68	1.51	7.13	1.78	7.58	1.87	7.81	1.89	8.49	1.94	8.94	1.97
	35	6.51	1.69	6.96	1.92	7.41	1.99	7.62	1.95	8.32	2.05	8.77	2.09
	40	6.22	1.85	6.67	2.00	7.13	2.03	7.35	2.03	8.03	2.06	8.49	2.11
	43	6.05	1.82	6.50	1.90	6.96	1.90	7.18	1.89	7.86	1.91	8.32	1.96
9+9+9	22	7.53	1.13	8.00	1.53	8.47	1.65	8.70	1.67	9.41	1.69	9.88	1.69
	25	7.35	1.20	7.82	1.57	8.29	1.69	8.52	1.72	9.23	1.75	9.70	1.76
	32	6.93	1.61	7.40	1.90	7.87	1.99	8.11	2.02	8.82	2.06	9.29	2.10
	35	6.76	1.80	7.23	2.04	7.70	2.11	7.91	2.08	8.64	2.18	9.11	2.22
	40	6.46	1.97	6.93	2.13	7.40	2.16	7.64	2.16	8.34	2.20	8.81	2.24
	43	6.28	1.93	6.75	2.02	7.22	2.02	7.46	2.02	8.16	2.04	8.64	2.08
7+9+12	22	7.53	1.13	8.00	1.53	8.47	1.65	8.70	1.67	9.41	1.69	9.88	1.69
	25	7.35	1.20	7.82	1.57	8.29	1.69	8.52	1.72	9.23	1.75	9.70	1.76
	32	6.93	1.61	7.40	1.90	7.87	1.99	8.11	2.02	8.82	2.06	9.29	2.10
	35	6.76	1.80	7.23	2.04	7.70	2.11	7.91	2.08	8.64	2.18	9.11	2.22
	40	6.46	1.97	6.93	2.13	7.40	2.16	7.64	2.16	8.34	2.20	8.81	2.24
	43	6.28	1.93	6.75	2.02	7.22	2.02	7.46	2.02	8.16	2.04	8.64	2.08
9+9+12	22	7.53	1.13	8.00	1.53	8.47	1.65	8.70	1.67	9.41	1.69	9.88	1.69
	25	7.35	1.20	7.82	1.57	8.29	1.69	8.52	1.72	9.23	1.75	9.70	1.76
	32	6.93	1.61	7.40	1.90	7.87	1.99	8.11	2.02	8.82	2.06	9.29	2.10
	35	6.76	1.80	7.23	2.04	7.70	2.11	7.91	2.08	8.64	2.18	9.11	2.22
	40	6.46	1.97	6.93	2.13	7.40	2.16	7.64	2.16	8.34	2.20	8.81	2.24
	43	6.28	1.93	6.75	2.02	7.22	2.02	7.46	2.02	8.16	2.04	8.64	2.08

**Note**

1. DB : Dry bulb temperature(°C), WB : Wet bulb temperature(°C)
2. TC : Total capacity(kW)
3. PI : Power Input (kW, Compressor + indoor fan motor + outdoor fan motor)
4. All capacities are net. A deduction (cooling mode) or an addition (heating mode) of Capacity due to operating heat of indoor unit motor is reflected.
5. Capacities are based on the following conditions ;
  - Interconnecting Piping Length (Both Main pipe and Branch pipe) is standard length.
  - Difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. Direct interpolation is permissible. Do not extrapolate.
7. Rated capacities and power inputs are based on standard temperature and piping conditions, and it can be found on specifications table. Except for rated value, the performance is not guaranteed.
8. In accordance with the test standard(or nations) and indoor unit's combinations, the rating will vary slightly.

# 5. Capacity tables

Combination capacity index (kBTu/h)	Outdoor Air Temp. (°CDB)	Indoor Air Temp. (°CWB)											
		14		16		18		19		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
7+12+12	22	7.53	1.13	8.00	1.53	8.47	1.65	8.70	1.67	9.41	1.69	9.88	1.69
	25	7.35	1.20	7.82	1.57	8.29	1.69	8.52	1.72	9.23	1.75	9.70	1.76
	32	6.93	1.61	7.40	1.90	7.87	1.99	8.11	2.02	8.82	2.06	9.29	2.10
	35	6.76	1.80	7.23	2.04	7.70	2.11	7.91	2.08	8.64	2.18	9.11	2.22
	40	6.46	1.97	6.93	2.13	7.40	2.16	7.64	2.16	8.34	2.20	8.81	2.24
	43	6.28	1.93	6.75	2.02	7.22	2.02	7.46	2.02	8.16	2.04	8.64	2.08
7+7+18	22	7.53	1.13	8.00	1.53	8.47	1.65	8.70	1.67	9.41	1.69	9.88	1.69
	25	7.35	1.20	7.82	1.57	8.29	1.69	8.52	1.72	9.23	1.75	9.70	1.76
	32	6.93	1.61	7.40	1.90	7.87	1.99	8.11	2.02	8.82	2.06	9.29	2.10
	35	6.76	1.80	7.23	2.04	7.70	2.11	7.91	2.08	8.64	2.18	9.11	2.22
	40	6.46	1.97	6.93	2.13	7.40	2.16	7.64	2.16	8.34	2.20	8.81	2.24
	43	6.28	1.93	6.75	2.02	7.22	2.02	7.46	2.02	8.16	2.04	8.64	2.08
9+12+12	22	7.53	1.13	8.00	1.53	8.47	1.65	8.70	1.67	9.41	1.69	9.88	1.69
	25	7.35	1.20	7.82	1.57	8.29	1.69	8.52	1.72	9.23	1.75	9.70	1.76
	32	6.93	1.61	7.40	1.90	7.87	1.99	8.11	2.02	8.82	2.06	9.29	2.10
	35	6.76	1.80	7.23	2.04	7.70	2.11	7.91	2.08	8.64	2.18	9.11	2.22
	40	6.46	1.97	6.93	2.13	7.40	2.16	7.64	2.16	8.34	2.20	8.81	2.24
	43	6.28	1.93	6.75	2.02	7.22	2.02	7.46	2.02	8.16	2.04	8.64	2.08
7+9+18	22	7.53	1.13	8.00	1.53	8.47	1.65	8.70	1.67	9.41	1.69	9.88	1.69
	25	7.35	1.20	7.82	1.57	8.29	1.69	8.52	1.72	9.23	1.75	9.70	1.76
	32	6.93	1.61	7.40	1.90	7.87	1.99	8.11	2.02	8.82	2.06	9.29	2.10
	35	6.76	1.80	7.23	2.04	7.70	2.11	7.91	2.08	8.64	2.18	9.11	2.22
	40	6.46	1.97	6.93	2.13	7.40	2.16	7.64	2.16	8.34	2.20	8.81	2.24
	43	6.28	1.93	6.75	2.02	7.22	2.02	7.46	2.02	8.16	2.04	8.64	2.08
12+12+12	22	7.53	1.13	8.00	1.53	8.47	1.65	8.70	1.67	9.41	1.69	9.88	1.69
	25	7.35	1.20	7.82	1.57	8.29	1.69	8.52	1.72	9.23	1.75	9.70	1.76
	32	6.93	1.61	7.40	1.90	7.87	1.99	8.11	2.02	8.82	2.06	9.29	2.10
	35	6.76	1.80	7.23	2.04	7.70	2.11	7.91	2.08	8.64	2.18	9.11	2.22
	40	6.46	1.97	6.93	2.13	7.40	2.16	7.64	2.16	8.34	2.20	8.81	2.24
	43	6.28	1.93	6.75	2.02	7.22	2.02	7.46	2.02	8.16	2.04	8.64	2.08
9+9+18	22	7.53	1.13	8.00	1.53	8.47	1.65	8.70	1.67	9.41	1.69	9.88	1.69
	25	7.35	1.20	7.82	1.57	8.29	1.69	8.52	1.72	9.23	1.75	9.70	1.76
	32	6.93	1.61	7.40	1.90	7.87	1.99	8.11	2.02	8.82	2.06	9.29	2.10
	35	6.76	1.80	7.23	2.04	7.70	2.11	7.91	2.08	8.64	2.18	9.11	2.22
	40	6.46	1.97	6.93	2.13	7.40	2.16	7.64	2.16	8.34	2.20	8.81	2.24
	43	6.28	1.93	6.75	2.02	7.22	2.02	7.46	2.02	8.16	2.04	8.64	2.08
7+12+18	22	7.53	1.13	8.00	1.53	8.47	1.65	8.70	1.67	9.41	1.69	9.88	1.69
	25	7.35	1.20	7.82	1.57	8.29	1.69	8.52	1.72	9.23	1.75	9.70	1.76
	32	6.93	1.61	7.40	1.90	7.87	1.99	8.11	2.02	8.82	2.06	9.29	2.10
	35	6.76	1.80	7.23	2.04	7.70	2.11	7.91	2.08	8.64	2.18	9.11	2.22
	40	6.46	1.97	6.93	2.13	7.40	2.16	7.64	2.16	8.34	2.20	8.81	2.24
	43	6.28	1.93	6.75	2.02	7.22	2.02	7.46	2.02	8.16	2.04	8.64	2.08
7+7+24	22	7.53	1.13	8.00	1.53	8.47	1.65	8.70	1.67	9.41	1.69	9.88	1.69
	25	7.35	1.20	7.82	1.57	8.29	1.69	8.52	1.72	9.23	1.75	9.70	1.76
	32	6.93	1.61	7.40	1.90	7.87	1.99	8.11	2.02	8.82	2.06	9.29	2.10
	35	6.76	1.80	7.23	2.04	7.70	2.11	7.91	2.08	8.64	2.18	9.11	2.22
	40	6.46	1.97	6.93	2.13	7.40	2.16	7.64	2.16	8.34	2.20	8.81	2.24
	43	6.28	1.93	6.75	2.02	7.22	2.02	7.46	2.02	8.16	2.04	8.64	2.08
9+12+18	22	7.53	1.13	8.00	1.53	8.47	1.65	8.70	1.67	9.41	1.69	9.88	1.69
	25	7.35	1.20	7.82	1.57	8.29	1.69	8.52	1.72	9.23	1.75	9.70	1.76
	32	6.93	1.61	7.40	1.90	7.87	1.99	8.11	2.02	8.82	2.06	9.29	2.10
	35	6.76	1.80	7.23	2.04	7.70	2.11	7.91	2.08	8.64	2.18	9.11	2.22
	40	6.46	1.97	6.93	2.13	7.40	2.16	7.64	2.16	8.34	2.20	8.81	2.24
	43	6.28	1.93	6.75	2.02	7.22	2.02	7.46	2.02	8.16	2.04	8.64	2.08
46	6.10	1.74	6.58	1.76	7.05	1.72	7.28	1.70	7.99	1.70	8.46	1.74	

**Note**

1. DB : Dry bulb temperature(°C), WB : Wet bulb temperature(°C)
2. TC : Total capacity(kW)
3. PI : Power Input (kW, Compressor + indoor fan motor + outdoor fan motor)
4. All capacities are net. A deduction (cooling mode) or an addition (heating mode) of Capacity due to operating heat of indoor unit motor is reflected.
5. Capacities are based on the following conditions ;
  - Interconnecting Piping Length (Both Main pipe and Branch pipe) is standard length.
  - Difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. Direct interpolation is permissible. Do not extrapolate.
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8. In accordance with the test standard(or nations) and indoor unit's combinations, the rating will vary slightly.

# 5. Capacity tables

Combination capacity index (kBTu/h)	Outdoor Air Temp. (°CDB)	Indoor Air Temp. (°CWB)											
		14		16		18		19		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
7+9+24	22	7.53	1.13	8.00	1.53	8.47	1.65	8.70	1.67	9.41	1.69	9.88	1.69
	25	7.35	1.20	7.82	1.57	8.29	1.69	8.52	1.72	9.23	1.75	9.70	1.76
	32	6.93	1.61	7.40	1.90	7.87	1.99	8.11	2.02	8.82	2.06	9.29	2.10
	35	6.76	1.80	7.23	2.04	7.70	2.11	7.91	2.08	8.64	2.18	9.11	2.22
	40	6.46	1.97	6.93	2.13	7.40	2.16	7.64	2.16	8.34	2.20	8.81	2.24
	43	6.28	1.93	6.75	2.02	7.22	2.02	7.46	2.02	8.16	2.04	8.64	2.08
12+12+18	22	7.53	1.13	8.00	1.53	8.47	1.65	8.70	1.67	9.41	1.69	9.88	1.69
	25	7.35	1.20	7.82	1.57	8.29	1.69	8.52	1.72	9.23	1.75	9.70	1.76
	32	6.93	1.61	7.40	1.90	7.87	1.99	8.11	2.02	8.82	2.06	9.29	2.10
	35	6.76	1.80	7.23	2.04	7.70	2.11	7.91	2.08	8.64	2.18	9.11	2.22
	40	6.46	1.97	6.93	2.13	7.40	2.16	7.64	2.16	8.34	2.20	8.81	2.24
	43	6.28	1.93	6.75	2.02	7.22	2.02	7.46	2.02	8.16	2.04	8.64	2.08
9+9+24	22	7.53	1.13	8.00	1.53	8.47	1.65	8.70	1.67	9.41	1.69	9.88	1.69
	25	7.35	1.20	7.82	1.57	8.29	1.69	8.52	1.72	9.23	1.75	9.70	1.76
	32	6.93	1.61	7.40	1.90	7.87	1.99	8.11	2.02	8.82	2.06	9.29	2.10
	35	6.76	1.80	7.23	2.04	7.70	2.11	7.91	2.08	8.64	2.18	9.11	2.22
	40	6.46	1.97	6.93	2.13	7.40	2.16	7.64	2.16	8.34	2.20	8.81	2.24
	43	6.28	1.93	6.75	2.02	7.22	2.02	7.46	2.02	8.16	2.04	8.64	2.08
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	25	7.35	1.20	7.82	1.57	8.29	1.69	8.52	1.72	9.23	1.75	9.70	1.76
	32	6.93	1.61	7.40	1.90	7.87	1.99	8.11	2.02	8.82	2.06	9.29	2.10
	35	6.76	1.80	7.23	2.04	7.70	2.11	7.91	2.08	8.64	2.18	9.11	2.22
	40	6.46	1.97	6.93	2.13	7.40	2.16	7.64	2.16	8.34	2.20	8.81	2.24
	43	6.28	1.93	6.75	2.02	7.22	2.02	7.46	2.02	8.16	2.04	8.64	2.08
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	25	7.35	1.20	7.82	1.57	8.29	1.69	8.52	1.72	9.23	1.75	9.70	1.76
	32	6.93	1.61	7.40	1.90	7.87	1.99	8.11	2.02	8.82	2.06	9.29	2.10
	35	6.76	1.80	7.23	2.04	7.70	2.11	7.91	2.08	8.64	2.18	9.11	2.22
	40	6.46	1.97	6.93	2.13	7.40	2.16	7.64	2.16	8.34	2.20	8.81	2.24
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	25	7.35	1.20	7.82	1.57	8.29	1.69	8.52	1.72	9.23	1.75	9.70	1.76
	32	6.93	1.61	7.40	1.90	7.87	1.99	8.11	2.02	8.82	2.06	9.29	2.10
	35	6.76	1.80	7.23	2.04	7.70	2.11	7.91	2.08	8.64	2.18	9.11	2.22
	40	6.46	1.97	6.93	2.13	7.40	2.16	7.64	2.16	8.34	2.20	8.81	2.24
	43	6.28	1.93	6.75	2.02	7.22	2.02	7.46	2.02	8.16	2.04	8.64	2.08
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	25	7.35	1.20	7.82	1.57	8.29	1.69	8.52	1.72	9.23	1.75	9.70	1.76
	32	6.93	1.61	7.40	1.90	7.87	1.99	8.11	2.02	8.82	2.06	9.29	2.10
	35	6.76	1.80	7.23	2.04	7.70	2.11	7.91	2.08	8.64	2.18	9.11	2.22
	40	6.46	1.97	6.93	2.13	7.40	2.16	7.64	2.16	8.34	2.20	8.81	2.24
	43	6.28	1.93	6.75	2.02	7.22	2.02	7.46	2.02	8.16	2.04	8.64	2.08
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	25	7.35	1.20	7.82	1.57	8.29	1.69	8.52	1.72	9.23	1.75	9.70	1.76
	32	6.93	1.61	7.40	1.90	7.87	1.99	8.11	2.02	8.82	2.06	9.29	2.10
	35	6.76	1.80	7.23	2.04	7.70	2.11	7.91	2.08	8.64	2.18	9.11	2.22
	40	6.46	1.97	6.93	2.13	7.40	2.16	7.64	2.16	8.34	2.20	8.81	2.24
	43	6.28	1.93	6.75	2.02	7.22	2.02	7.46	2.02	8.16	2.04	8.64	2.08
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	25	7.35	1.20	7.82	1.57	8.29	1.69	8.52	1.72	9.23	1.75	9.70	1.76
	32	6.93	1.61	7.40	1.90	7.87	1.99	8.11	2.02	8.82	2.06	9.29	2.10
	35	6.76	1.80	7.23	2.04	7.70	2.11	7.91	2.08	8.64	2.18	9.11	2.22
	40	6.46	1.97	6.93	2.13	7.40	2.16	7.64	2.16	8.34	2.20	8.81	2.24
	43	6.28	1.93	6.75	2.02	7.22	2.02	7.46	2.02	8.16	2.04	8.64	2.08

**Note**

1. DB : Dry bulb temperature(°C), WB : Wet bulb temperature(°C)
2. TC : Total capacity(kW)
3. PI : Power Input (kW, Compressor + indoor fan motor + outdoor fan motor)
4. All capacities are net. A deduction (cooling mode) or an addition (heating mode) of Capacity due to operating heat of indoor unit motor is reflected.
5. Capacities are based on the following conditions ;
  - Interconnecting Piping Length (Both Main pipe and Branch pipe) is standard length.
  - Difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. Direct interpolation is permissible. Do not extrapolate.
7. Rated capacities and power inputs are based on standard temperature and piping conditions, and it can be found on specifications table. Except for rated value, the performance is not guaranteed.
8. In accordance with the test standard(or nations) and indoor unit's combinations, the rating will vary slightly.





# 5. Capacity tables

Combination capacity index (kBTU/h)	Outdoor Air Temp. (°CDB)	Indoor Air Temp. (°CWB)											
		14		16		18		19		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
7+9+9+12	22	7.52	1.07	7.99	1.45	8.46	1.57	8.70	1.59	9.4	1.60	9.9	1.60
	25	7.35	1.14	7.82	1.49	8.29	1.61	8.52	1.63	9.2	1.66	9.7	1.67
	32	6.93	1.53	7.40	1.80	7.87	1.89	8.11	1.92	8.81	1.96	9.3	2.00
	35	6.75	1.71	7.22	1.94	7.69	2.01	7.91	1.98	8.64	2.07	9.1	2.11
	40	6.46	1.87	6.93	2.02	7.40	2.05	7.63	2.05	8.34	2.09	8.81	2.13
	43	6.28	1.84	6.75	1.92	7.22	1.92	7.46	1.92	8.16	1.93	8.63	1.98
7+7+12+12	22	7.52	1.07	7.99	1.45	8.46	1.57	8.70	1.59	9.4	1.60	9.9	1.60
	25	7.35	1.14	7.82	1.49	8.29	1.61	8.52	1.63	9.2	1.66	9.7	1.67
	32	6.93	1.53	7.40	1.80	7.87	1.89	8.11	1.92	8.81	1.96	9.3	2.00
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**Note**

1. DB : Dry bulb temperature(°C), WB : Wet bulb temperature(°C)
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	25	7.35	1.14	7.82	1.49	8.29	1.61	8.52	1.63	9.2	1.66	9.7	1.67
	32	6.93	1.53	7.40	1.80	7.87	1.89	8.11	1.92	8.81	1.96	9.3	2.00
	35	6.75	1.71	7.22	1.94	7.69	2.01	7.91	1.98	8.64	2.07	9.1	2.11
	40	6.46	1.87	6.93	2.02	7.40	2.05	7.63	2.05	8.34	2.09	8.81	2.13
	43	6.28	1.84	6.75	1.92	7.22	1.92	7.46	1.92	8.16	1.93	8.63	1.98
46	6.10	1.65	6.57	1.67	7.04	1.63	7.28	1.61	7.98	1.61	8.45	1.65	

**Note**

1. DB : Dry bulb temperature(°C), WB : Wet bulb temperature(°C)
2. TC : Total capacity(kW)
3. PI : Power Input (kW, Compressor + indoor fan motor + outdoor fan motor)
4. All capacities are net. A deduction (cooling mode) or an addition (heating mode) of Capacity due to operating heat of indoor unit motor is reflected.
5. Capacities are based on the following conditions ;
  - Interconnecting Piping Length (Both Main pipe and Branch pipe) is standard length.
  - Difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. Direct interpolation is permissible. Do not extrapolate.
7. Rated capacities and power inputs are based on standard temperature and piping conditions, and it can be found on specifications table. Except for rated value, the performance is not guaranteed.
8. In accordance with the test standard(or nations) and indoor unit's combinations, the rating will vary slightly.



# 5. Capacity tables

Combination Capacity Index (kBtu/h)	Outdoor Air Temp. (°CWB)	Indoor Air Temp. (°CDB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
9 + 12	-15.0	6.18	2.15	6.13	2.29	6.09	2.42	6.07	2.49	6.05	2.56	6.01	2.70
	-10.0	7.12	2.42	7.08	2.56	7.03	2.70	7.01	2.77	6.99	2.84	6.80	2.82
	-5.0	8.06	2.70	7.79	2.73	7.39	2.64	7.24	2.59	7.09	2.55	6.80	2.45
	0.0	8.18	2.46	7.79	2.37	7.39	2.28	7.24	2.23	7.09	2.19	6.80	2.09
	6.0	8.18	2.03	7.79	1.94	7.39	1.85	7.24	1.80	7.09	1.75	6.80	1.66
	10.0	8.18	1.88	7.79	1.80	7.39	1.71	7.24	1.67	7.09	1.63	6.80	1.54
12 + 12	15.0	8.18	1.70	7.79	1.62	7.39	1.54	7.24	1.50	7.09	1.46	6.80	1.39
	-15.0	6.25	2.21	6.21	2.35	6.16	2.49	6.14	2.56	6.12	2.63	6.08	2.77
	-10.0	7.20	2.49	7.16	2.63	7.12	2.77	7.10	2.84	7.08	2.92	7.04	3.06
	-5.0	8.16	2.77	8.11	2.92	8.07	3.06	8.05	2.98	8.03	2.90	7.77	2.75
	0.0	9.11	3.06	8.89	2.85	8.44	2.64	8.27	2.57	8.10	2.51	7.77	2.38
	6.0	9.34	2.35	8.89	2.25	8.44	2.14	8.27	2.08	8.10	2.03	7.77	1.92
7 + 18	10.0	9.34	2.18	8.89	2.08	8.44	1.98	8.27	1.93	8.10	1.88	7.77	1.78
	15.0	9.34	1.96	8.89	1.88	8.44	1.79	8.27	1.74	8.10	1.70	7.77	1.61
	-15.0	6.27	2.34	6.23	2.49	6.19	2.64	6.17	2.72	6.15	2.79	6.11	2.94
	-10.0	7.23	2.64	7.19	2.79	7.14	2.94	7.12	3.02	7.10	3.09	7.06	3.24
	-5.0	8.19	2.94	8.15	3.09	8.10	3.24	8.08	3.16	8.06	3.08	8.02	2.92
	0.0	9.15	3.24	9.10	3.02	8.79	2.80	8.61	2.73	8.44	2.66	8.09	2.52
9 + 18	6.0	9.73	2.49	9.26	2.38	8.79	2.27	8.61	2.21	8.44	2.15	8.09	2.04
	10.0	9.73	2.31	9.26	2.21	8.79	2.10	8.61	2.05	8.44	2.00	8.09	1.89
	15.0	9.73	2.08	9.26	1.99	8.79	1.89	8.61	1.85	8.44	1.80	8.09	1.70
	-15.0	6.30	2.31	6.25	2.46	6.21	2.60	6.19	2.68	6.17	2.75	6.13	2.90
	-10.0	7.26	2.60	7.21	2.75	7.17	2.90	7.15	2.97	7.13	3.05	7.09	3.19
	-5.0	8.22	2.90	8.17	3.05	8.13	3.19	8.11	3.11	8.09	3.03	8.05	2.88
12 + 18	0.0	9.18	3.19	9.13	2.98	9.09	2.76	8.91	2.69	8.73	2.62	8.36	2.48
	6.0	10.06	2.46	9.58	2.35	9.09	2.23	8.91	2.18	8.73	2.12	8.36	2.01
	10.0	10.06	2.28	9.58	2.17	9.09	2.07	8.91	2.02	8.73	1.97	8.36	1.86
	15.0	10.06	2.05	9.58	1.96	9.09	1.87	8.91	1.82	8.73	1.77	8.36	1.68
	-15.0	6.30	2.31	6.25	2.46	6.21	2.60	6.19	2.68	6.17	2.75	6.13	2.90
	-10.0	7.26	2.60	7.21	2.75	7.17	2.90	7.15	2.97	7.13	3.05	7.09	3.19
7 + 24	-5.0	8.22	2.90	8.17	3.05	8.13	3.19	8.11	3.11	8.09	3.03	8.05	2.88
	0.0	9.18	3.19	9.13	2.98	9.09	2.76	8.91	2.69	8.73	2.62	8.36	2.48
	6.0	10.06	2.46	9.58	2.35	9.09	2.23	8.91	2.18	8.73	2.12	8.36	2.01
	10.0	10.06	2.28	9.58	2.17	9.09	2.07	8.91	2.02	8.73	1.97	8.36	1.86
	15.0	10.06	2.05	9.58	1.96	9.09	1.87	8.91	1.82	8.73	1.77	8.36	1.68
	-15.0	6.30	2.31	6.25	2.46	6.21	2.60	6.19	2.68	6.17	2.75	6.13	2.90
9 + 24	-10.0	7.26	2.60	7.21	2.75	7.17	2.90	7.15	2.97	7.13	3.05	7.09	3.19
	-5.0	8.22	2.90	8.17	3.05	8.13	3.19	8.11	3.11	8.09	3.03	8.05	2.88
	0.0	9.18	3.19	9.13	2.98	9.09	2.76	8.91	2.69	8.73	2.62	8.36	2.48
	6.0	10.06	2.46	9.58	2.35	9.09	2.23	8.91	2.18	8.73	2.12	8.36	2.01
	10.0	10.06	2.28	9.58	2.17	9.09	2.07	8.91	2.02	8.73	1.97	8.36	1.86
	15.0	10.06	2.05	9.58	1.96	9.09	1.87	8.91	1.82	8.73	1.77	8.36	1.68
18 + 18	-15.0	6.30	2.31	6.25	2.46	6.21	2.60	6.19	2.68	6.17	2.75	6.13	2.90
	-10.0	7.26	2.60	7.21	2.75	7.17	2.90	7.15	2.97	7.13	3.05	7.09	3.19
	-5.0	8.22	2.90	8.17	3.05	8.13	3.19	8.11	3.11	8.09	3.03	8.05	2.88
	0.0	9.18	3.19	9.13	2.98	9.09	2.76	8.91	2.69	8.73	2.62	8.36	2.48
	6.0	10.06	2.46	9.58	2.35	9.09	2.23	8.91	2.18	8.73	2.12	8.36	2.01
	10.0	10.06	2.28	9.58	2.17	9.09	2.07	8.91	2.02	8.73	1.97	8.36	1.86
12 + 24	15.0	10.06	2.05	9.58	1.96	9.09	1.87	8.91	1.82	8.73	1.77	8.36	1.68
	-15.0	6.30	2.31	6.25	2.46	6.21	2.60	6.19	2.68	6.17	2.75	6.13	2.90
	-10.0	7.26	2.60	7.21	2.75	7.17	2.90	7.15	2.97	7.13	3.05	7.09	3.19
	-5.0	8.22	2.90	8.17	3.05	8.13	3.19	8.11	3.11	8.09	3.03	8.05	2.88
	0.0	9.18	3.19	9.13	2.98	9.09	2.76	8.91	2.69	8.73	2.62	8.36	2.48
	6.0	10.06	2.46	9.58	2.35	9.09	2.23	8.91	2.18	8.73	2.12	8.36	2.01

**Note**

1. DB : Dry bulb temperature(°C), WB : Wet bulb temperature(°C)
2. TC : Total capacity(kW)
3. PI : Power Input (kW, Compressor + indoor fan motor + outdoor fan motor)
4. All capacities are net. A deduction (cooling mode) or an addition (heating mode) of Capacity due to operating heat of indoor unit motor is reflected.
5. Capacities are based on the following conditions ;
  - Interconnecting Piping Length (Both Main pipe and Branch pipe) is standard length.
  - Difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. Direct interpolation is permissible. Do not extrapolate.
7. Rated capacities and power inputs are based on standard temperature and piping conditions, and it can be found on specifications table. Except for rated value, the performance is not guaranteed.
8. In accordance with the test standard(or nations) and indoor unit's combinations, the rating will vary slightly.



# 5. Capacity tables

Combination Capacity Index (kBtu/h)	Outdoor Air Temp. (°CWB)	Indoor Air Temp. (°CDB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
7 + 12 + 12	-15.0	6.30	2.30	6.25	2.45	6.21	2.60	6.19	2.67	6.17	2.74	6.13	2.89
	-10.0	7.26	2.60	7.21	2.74	7.17	2.89	7.15	2.96	7.13	3.04	7.09	3.18
	-5.0	8.22	2.89	8.17	3.04	8.13	3.18	8.11	3.11	8.09	3.03	8.05	2.87
	0.0	9.18	3.18	9.13	2.97	9.09	2.75	8.91	2.68	8.73	2.61	8.36	2.48
	6.0	10.06	2.45	9.58	2.34	9.09	2.23	8.91	2.17	8.73	2.12	8.36	2.01
	10.0	10.06	2.27	9.58	2.17	9.09	2.06	8.91	2.01	8.73	1.96	8.36	1.86
7 + 7 + 18	-15.0	6.30	2.30	6.25	2.45	6.21	2.60	6.19	2.67	6.17	2.74	6.13	2.89
	-10.0	7.26	2.60	7.21	2.74	7.17	2.89	7.15	2.96	7.13	3.04	7.09	3.18
	-5.0	8.22	2.89	8.17	3.04	8.13	3.18	8.11	3.11	8.09	3.03	8.05	2.87
	0.0	9.18	3.18	9.13	2.97	9.09	2.75	8.91	2.68	8.73	2.61	8.36	2.48
	6.0	10.06	2.45	9.58	2.34	9.09	2.23	8.91	2.17	8.73	2.12	8.36	2.01
	10.0	10.06	2.27	9.58	2.17	9.09	2.06	8.91	2.01	8.73	1.96	8.36	1.86
9 + 12 + 12	-15.0	6.30	2.30	6.25	2.45	6.21	2.60	6.19	2.67	6.17	2.74	6.13	2.89
	-10.0	7.26	2.60	7.21	2.74	7.17	2.89	7.15	2.96	7.13	3.04	7.09	3.18
	-5.0	8.22	2.89	8.17	3.04	8.13	3.18	8.11	3.11	8.09	3.03	8.05	2.87
	0.0	9.18	3.18	9.13	2.97	9.09	2.75	8.91	2.68	8.73	2.61	8.36	2.48
	6.0	10.06	2.45	9.58	2.34	9.09	2.23	8.91	2.17	8.73	2.12	8.36	2.01
	10.0	10.06	2.27	9.58	2.17	9.09	2.06	8.91	2.01	8.73	1.96	8.36	1.86
7 + 9 + 18	-15.0	6.30	2.30	6.25	2.45	6.21	2.60	6.19	2.67	6.17	2.74	6.13	2.89
	-10.0	7.26	2.60	7.21	2.74	7.17	2.89	7.15	2.96	7.13	3.04	7.09	3.18
	-5.0	8.22	2.89	8.17	3.04	8.13	3.18	8.11	3.11	8.09	3.03	8.05	2.87
	0.0	9.18	3.18	9.13	2.97	9.09	2.75	8.91	2.68	8.73	2.61	8.36	2.48
	6.0	10.06	2.45	9.58	2.34	9.09	2.23	8.91	2.17	8.73	2.12	8.36	2.01
	10.0	10.06	2.27	9.58	2.17	9.09	2.06	8.91	2.01	8.73	1.96	8.36	1.86
12 + 12 + 12	-15.0	6.30	2.30	6.25	2.45	6.21	2.60	6.19	2.67	6.17	2.74	6.13	2.89
	-10.0	7.26	2.60	7.21	2.74	7.17	2.89	7.15	2.96	7.13	3.04	7.09	3.18
	-5.0	8.22	2.89	8.17	3.04	8.13	3.18	8.11	3.11	8.09	3.03	8.05	2.87
	0.0	9.18	3.18	9.13	2.97	9.09	2.75	8.91	2.68	8.73	2.61	8.36	2.48
	6.0	10.06	2.45	9.58	2.34	9.09	2.23	8.91	2.17	8.73	2.12	8.36	2.01
	10.0	10.06	2.27	9.58	2.17	9.09	2.06	8.91	2.01	8.73	1.96	8.36	1.86
9 + 9 + 18	-15.0	6.30	2.30	6.25	2.45	6.21	2.60	6.19	2.67	6.17	2.74	6.13	2.89
	-10.0	7.26	2.60	7.21	2.74	7.17	2.89	7.15	2.96	7.13	3.04	7.09	3.18
	-5.0	8.22	2.89	8.17	3.04	8.13	3.18	8.11	3.11	8.09	3.03	8.05	2.87
	0.0	9.18	3.18	9.13	2.97	9.09	2.75	8.91	2.68	8.73	2.61	8.36	2.48
	6.0	10.06	2.45	9.58	2.34	9.09	2.23	8.91	2.17	8.73	2.12	8.36	2.01
	10.0	10.06	2.27	9.58	2.17	9.09	2.06	8.91	2.01	8.73	1.96	8.36	1.86
7 + 12 + 18	-15.0	6.30	2.30	6.25	2.45	6.21	2.60	6.19	2.67	6.17	2.74	6.13	2.89
	-10.0	7.26	2.60	7.21	2.74	7.17	2.89	7.15	2.96	7.13	3.04	7.09	3.18
	-5.0	8.22	2.89	8.17	3.04	8.13	3.18	8.11	3.11	8.09	3.03	8.05	2.87
	0.0	9.18	3.18	9.13	2.97	9.09	2.75	8.91	2.68	8.73	2.61	8.36	2.48
	6.0	10.06	2.45	9.58	2.34	9.09	2.23	8.91	2.17	8.73	2.12	8.36	2.01
	10.0	10.06	2.27	9.58	2.17	9.09	2.06	8.91	2.01	8.73	1.96	8.36	1.86
7 + 7 + 24	-15.0	6.30	2.30	6.25	2.45	6.21	2.60	6.19	2.67	6.17	2.74	6.13	2.89
	-10.0	7.26	2.60	7.21	2.74	7.17	2.89	7.15	2.96	7.13	3.04	7.09	3.18
	-5.0	8.22	2.89	8.17	3.04	8.13	3.18	8.11	3.11	8.09	3.03	8.05	2.87
	0.0	9.18	3.18	9.13	2.97	9.09	2.75	8.91	2.68	8.73	2.61	8.36	2.48
	6.0	10.06	2.45	9.58	2.34	9.09	2.23	8.91	2.17	8.73	2.12	8.36	2.01
	10.0	10.06	2.27	9.58	2.17	9.09	2.06	8.91	2.01	8.73	1.96	8.36	1.86
9 + 12 + 18	-15.0	6.30	2.30	6.25	2.45	6.21	2.60	6.19	2.67	6.17	2.74	6.13	2.89
	-10.0	7.26	2.60	7.21	2.74	7.17	2.89	7.15	2.96	7.13	3.04	7.09	3.18
	-5.0	8.22	2.89	8.17	3.04	8.13	3.18	8.11	3.11	8.09	3.03	8.05	2.87
	0.0	9.18	3.18	9.13	2.97	9.09	2.75	8.91	2.68	8.73	2.61	8.36	2.48
	6.0	10.06	2.45	9.58	2.34	9.09	2.23	8.91	2.17	8.73	2.12	8.36	2.01
	10.0	10.06	2.27	9.58	2.17	9.09	2.06	8.91	2.01	8.73	1.96	8.36	1.86

**Note**

1. DB : Dry bulb temperature(°C), WB : Wet bulb temperature(°C)
2. TC : Total capacity(kW)
3. PI : Power Input (kW, Compressor + indoor fan motor + outdoor fan motor)
4. All capacities are net. A deduction (cooling mode) or an addition (heating mode) of Capacity due to operating heat of indoor unit motor is reflected.
5. Capacities are based on the following conditions ;
  - Interconnecting Piping Length (Both Main pipe and Branch pipe) is standard length.
  - Difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
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# 5. Capacity tables

Combination Capacity Index (kBtu/h)	Outdoor Air Temp. (°CWB)	Indoor Air Temp. (°CDB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
7 + 9 + 24	-15.0	6.30	2.30	6.25	2.45	6.21	2.60	6.19	2.67	6.17	2.74	6.13	2.89
	-10.0	7.26	2.60	7.21	2.74	7.17	2.89	7.15	2.96	7.13	3.04	7.09	3.18
	-5.0	8.22	2.89	8.17	3.04	8.13	3.18	8.11	3.11	8.09	3.03	8.05	2.87
	0.0	9.18	3.18	9.13	2.97	9.09	2.75	8.91	2.68	8.73	2.61	8.36	2.48
	6.0	10.06	2.45	9.58	2.34	9.09	2.23	8.91	2.17	8.73	2.12	8.36	2.01
	10.0	10.06	2.27	9.58	2.17	9.09	2.06	8.91	2.01	8.73	1.96	8.36	1.86
12 + 12 + 18	-15.0	6.30	2.30	6.25	2.45	6.21	2.60	6.19	2.67	6.17	2.74	6.13	2.89
	-10.0	7.26	2.60	7.21	2.74	7.17	2.89	7.15	2.96	7.13	3.04	7.09	3.18
	-5.0	8.22	2.89	8.17	3.04	8.13	3.18	8.11	3.11	8.09	3.03	8.05	2.87
	0.0	9.18	3.18	9.13	2.97	9.09	2.75	8.91	2.68	8.73	2.61	8.36	2.48
	6.0	10.06	2.45	9.58	2.34	9.09	2.23	8.91	2.17	8.73	2.12	8.36	2.01
	10.0	10.06	2.27	9.58	2.17	9.09	2.06	8.91	2.01	8.73	1.96	8.36	1.86
9 + 9 + 24	-15.0	6.30	2.30	6.25	2.45	6.21	2.60	6.19	2.67	6.17	2.74	6.13	2.89
	-10.0	7.26	2.60	7.21	2.74	7.17	2.89	7.15	2.96	7.13	3.04	7.09	3.18
	-5.0	8.22	2.89	8.17	3.04	8.13	3.18	8.11	3.11	8.09	3.03	8.05	2.87
	0.0	9.18	3.18	9.13	2.97	9.09	2.75	8.91	2.68	8.73	2.61	8.36	2.48
	6.0	10.06	2.45	9.58	2.34	9.09	2.23	8.91	2.17	8.73	2.12	8.36	2.01
	10.0	10.06	2.27	9.58	2.17	9.09	2.06	8.91	2.01	8.73	1.96	8.36	1.86
7 + 18 + 18	-15.0	6.30	2.30	6.25	2.45	6.21	2.60	6.19	2.67	6.17	2.74	6.13	2.89
	-10.0	7.26	2.60	7.21	2.74	7.17	2.89	7.15	2.96	7.13	3.04	7.09	3.18
	-5.0	8.22	2.89	8.17	3.04	8.13	3.18	8.11	3.11	8.09	3.03	8.05	2.87
	0.0	9.18	3.18	9.13	2.97	9.09	2.75	8.91	2.68	8.73	2.61	8.36	2.48
	6.0	10.06	2.45	9.58	2.34	9.09	2.23	8.91	2.17	8.73	2.12	8.36	2.01
	10.0	10.06	2.27	9.58	2.17	9.09	2.06	8.91	2.01	8.73	1.96	8.36	1.86
7 + 12 + 24	-15.0	6.30	2.30	6.25	2.45	6.21	2.60	6.19	2.67	6.17	2.74	6.13	2.89
	-10.0	7.26	2.60	7.21	2.74	7.17	2.89	7.15	2.96	7.13	3.04	7.09	3.18
	-5.0	8.22	2.89	8.17	3.04	8.13	3.18	8.11	3.11	8.09	3.03	8.05	2.87
	0.0	9.18	3.18	9.13	2.97	9.09	2.75	8.91	2.68	8.73	2.61	8.36	2.48
	6.0	10.06	2.45	9.58	2.34	9.09	2.23	8.91	2.17	8.73	2.12	8.36	2.01
	10.0	10.06	2.27	9.58	2.17	9.09	2.06	8.91	2.01	8.73	1.96	8.36	1.86
9 + 18 + 18	-15.0	6.30	2.30	6.25	2.45	6.21	2.60	6.19	2.67	6.17	2.74	6.13	2.89
	-10.0	7.26	2.60	7.21	2.74	7.17	2.89	7.15	2.96	7.13	3.04	7.09	3.18
	-5.0	8.22	2.89	8.17	3.04	8.13	3.18	8.11	3.11	8.09	3.03	8.05	2.87
	0.0	9.18	3.18	9.13	2.97	9.09	2.75	8.91	2.68	8.73	2.61	8.36	2.48
	6.0	10.06	2.45	9.58	2.34	9.09	2.23	8.91	2.17	8.73	2.12	8.36	2.01
	10.0	10.06	2.27	9.58	2.17	9.09	2.06	8.91	2.01	8.73	1.96	8.36	1.86
9 + 12 + 24	-15.0	6.30	2.30	6.25	2.45	6.21	2.60	6.19	2.67	6.17	2.74	6.13	2.89
	-10.0	7.26	2.60	7.21	2.74	7.17	2.89	7.15	2.96	7.13	3.04	7.09	3.18
	-5.0	8.22	2.89	8.17	3.04	8.13	3.18	8.11	3.11	8.09	3.03	8.05	2.87
	0.0	9.18	3.18	9.13	2.97	9.09	2.75	8.91	2.68	8.73	2.61	8.36	2.48
	6.0	10.06	2.45	9.58	2.34	9.09	2.23	8.91	2.17	8.73	2.12	8.36	2.01
	10.0	10.06	2.27	9.58	2.17	9.09	2.06	8.91	2.01	8.73	1.96	8.36	1.86
12 + 18 + 18	-15.0	6.30	2.30	6.25	2.45	6.21	2.60	6.19	2.67	6.17	2.74	6.13	2.89
	-10.0	7.26	2.60	7.21	2.74	7.17	2.89	7.15	2.96	7.13	3.04	7.09	3.18
	-5.0	8.22	2.89	8.17	3.04	8.13	3.18	8.11	3.11	8.09	3.03	8.05	2.87
	0.0	9.18	3.18	9.13	2.97	9.09	2.75	8.91	2.68	8.73	2.61	8.36	2.48
	6.0	10.06	2.45	9.58	2.34	9.09	2.23	8.91	2.17	8.73	2.12	8.36	2.01
	10.0	10.06	2.27	9.58	2.17	9.09	2.06	8.91	2.01	8.73	1.96	8.36	1.86
12 + 12 + 24	-15.0	6.30	2.30	6.25	2.45	6.21	2.60	6.19	2.67	6.17	2.74	6.13	2.89
	-10.0	7.26	2.60	7.21	2.74	7.17	2.89	7.15	2.96	7.13	3.04	7.09	3.18
	-5.0	8.22	2.89	8.17	3.04	8.13	3.18	8.11	3.11	8.09	3.03	8.05	2.87
	0.0	9.18	3.18	9.13	2.97	9.09	2.75	8.91	2.68	8.73	2.61	8.36	2.48
	6.0	10.06	2.45	9.58	2.34	9.09	2.23	8.91	2.17	8.73	2.12	8.36	2.01
	10.0	10.06	2.27	9.58	2.17	9.09	2.06	8.91	2.01	8.73	1.96	8.36	1.86

**Note**

1. DB : Dry bulb temperature(°C), WB : Wet bulb temperature(°C)
2. TC : Total capacity(kW)
3. PI : Power Input (kW, Compressor + indoor fan motor + outdoor fan motor)
4. All capacities are net. A deduction (cooling mode) or an addition (heating mode) of Capacity due to operating heat of indoor unit motor is reflected.
5. Capacities are based on the following conditions ;
  - Interconnecting Piping Length (Both Main pipe and Branch pipe) is standard length.
  - Difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. Direct interpolation is permissible. Do not extrapolate.
7. Rated capacities and power inputs are based on standard temperature and piping conditions, and it can be found on specifications table. Except for rated value, the performance is not guaranteed.
8. In accordance with the test standard(or nations) and indoor unit's combinations, the rating will vary slightly.

# 5. Capacity tables

Combination Capacity Index (kBtu/h)	Outdoor Air Temp. (°CWB)	Indoor Air Temp. (°CDB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
7 + 18 + 24	-15.0	6.30	2.30	6.25	2.45	6.21	2.60	6.19	2.67	6.17	2.74	6.13	2.89
	-10.0	7.26	2.60	7.21	2.74	7.17	2.89	7.15	2.96	7.13	3.04	7.09	3.18
	-5.0	8.22	2.89	8.17	3.04	8.13	3.18	8.11	3.11	8.09	3.03	8.05	2.87
	0.0	9.18	3.18	9.13	2.97	9.09	2.75	8.91	2.68	8.73	2.61	8.36	2.48
	6.0	10.06	2.45	9.58	2.34	9.09	2.23	8.91	2.17	8.73	2.12	8.36	2.01
	10.0	10.06	2.27	9.58	2.17	9.09	2.06	8.91	2.01	8.73	1.96	8.36	1.86
9 + 18 + 24	-15.0	6.30	2.30	6.25	2.45	6.21	2.60	6.19	2.67	6.17	2.74	6.13	2.89
	-10.0	7.26	2.60	7.21	2.74	7.17	2.89	7.15	2.96	7.13	3.04	7.09	3.18
	-5.0	8.22	2.89	8.17	3.04	8.13	3.18	8.11	3.11	8.09	3.03	8.05	2.87
	0.0	9.18	3.18	9.13	2.97	9.09	2.75	8.91	2.68	8.73	2.61	8.36	2.48
	6.0	10.06	2.45	9.58	2.34	9.09	2.23	8.91	2.17	8.73	2.12	8.36	2.01
	10.0	10.06	2.27	9.58	2.17	9.09	2.06	8.91	2.01	8.73	1.96	8.36	1.86
4 Units Operation													
7 + 7 + 7 + 7	-15.0	6.30	2.19	6.25	2.33	6.21	2.47	6.19	2.54	6.17	2.61	6.13	2.75
	-10.0	7.26	2.47	7.21	2.61	7.17	2.75	7.15	2.82	7.13	2.89	7.09	3.03
	-5.0	8.22	2.75	8.17	2.89	8.13	3.03	8.11	2.95	8.09	2.87	8.05	2.72
	0.0	9.18	3.03	9.13	2.82	9.09	2.61	8.91	2.55	8.73	2.48	8.36	2.35
	6.0	10.06	2.33	9.58	2.22	9.09	2.12	8.91	2.06	8.73	2.01	8.36	1.90
	10.0	10.06	2.16	9.58	2.06	9.09	1.96	8.91	1.91	8.73	1.86	8.36	1.77
7 + 7 + 7 + 9	-15.0	6.30	2.19	6.25	2.33	6.21	2.47	6.19	2.54	6.17	2.61	6.13	2.75
	-10.0	7.26	2.47	7.21	2.61	7.17	2.75	7.15	2.82	7.13	2.89	7.09	3.03
	-5.0	8.22	2.75	8.17	2.89	8.13	3.03	8.11	2.95	8.09	2.87	8.05	2.72
	0.0	9.18	3.03	9.13	2.82	9.09	2.61	8.91	2.55	8.73	2.48	8.36	2.35
	6.0	10.06	2.33	9.58	2.22	9.09	2.12	8.91	2.06	8.73	2.01	8.36	1.90
	10.0	10.06	2.16	9.58	2.06	9.09	1.96	8.91	1.91	8.73	1.86	8.36	1.77
7 + 7 + 9 + 9	-15.0	6.30	2.19	6.25	2.33	6.21	2.47	6.19	2.54	6.17	2.61	6.13	2.75
	-10.0	7.26	2.47	7.21	2.61	7.17	2.75	7.15	2.82	7.13	2.89	7.09	3.03
	-5.0	8.22	2.75	8.17	2.89	8.13	3.03	8.11	2.95	8.09	2.87	8.05	2.72
	0.0	9.18	3.03	9.13	2.82	9.09	2.61	8.91	2.55	8.73	2.48	8.36	2.35
	6.0	10.06	2.33	9.58	2.22	9.09	2.12	8.91	2.06	8.73	2.01	8.36	1.90
	10.0	10.06	2.16	9.58	2.06	9.09	1.96	8.91	1.91	8.73	1.86	8.36	1.77
7 + 7 + 7 + 12	-15.0	6.30	2.19	6.25	2.33	6.21	2.47	6.19	2.54	6.17	2.61	6.13	2.75
	-10.0	7.26	2.47	7.21	2.61	7.17	2.75	7.15	2.82	7.13	2.89	7.09	3.03
	-5.0	8.22	2.75	8.17	2.89	8.13	3.03	8.11	2.95	8.09	2.87	8.05	2.72
	0.0	9.18	3.03	9.13	2.82	9.09	2.61	8.91	2.55	8.73	2.48	8.36	2.35
	6.0	10.06	2.33	9.58	2.22	9.09	2.12	8.91	2.06	8.73	2.01	8.36	1.90
	10.0	10.06	2.16	9.58	2.06	9.09	1.96	8.91	1.91	8.73	1.86	8.36	1.77
7 + 9 + 9 + 9	-15.0	6.30	2.19	6.25	2.33	6.21	2.47	6.19	2.54	6.17	2.61	6.13	2.75
	-10.0	7.26	2.47	7.21	2.61	7.17	2.75	7.15	2.82	7.13	2.89	7.09	3.03
	-5.0	8.22	2.75	8.17	2.89	8.13	3.03	8.11	2.95	8.09	2.87	8.05	2.72
	0.0	9.18	3.03	9.13	2.82	9.09	2.61	8.91	2.55	8.73	2.48	8.36	2.35
	6.0	10.06	2.33	9.58	2.22	9.09	2.12	8.91	2.06	8.73	2.01	8.36	1.90
	10.0	10.06	2.16	9.58	2.06	9.09	1.96	8.91	1.91	8.73	1.86	8.36	1.77
7 + 7 + 9 + 12	-15.0	6.30	2.19	6.25	2.33	6.21	2.47	6.19	2.54	6.17	2.61	6.13	2.75
	-10.0	7.26	2.47	7.21	2.61	7.17	2.75	7.15	2.82	7.13	2.89	7.09	3.03
	-5.0	8.22	2.75	8.17	2.89	8.13	3.03	8.11	2.95	8.09	2.87	8.05	2.72
	0.0	9.18	3.03	9.13	2.82	9.09	2.61	8.91	2.55	8.73	2.48	8.36	2.35
	6.0	10.06	2.33	9.58	2.22	9.09	2.12	8.91	2.06	8.73	2.01	8.36	1.90
	10.0	10.06	2.16	9.58	2.06	9.09	1.96	8.91	1.91	8.73	1.86	8.36	1.77
9 + 9 + 9 + 9	-15.0	6.30	2.19	6.25	2.33	6.21	2.47	6.19	2.54	6.17	2.61	6.13	2.75
	-10.0	7.26	2.47	7.21	2.61	7.17	2.75	7.15	2.82	7.13	2.89	7.09	3.03
	-5.0	8.22	2.75	8.17	2.89	8.13	3.03	8.11	2.95	8.09	2.87	8.05	2.72
	0.0	9.18	3.03	9.13	2.82	9.09	2.61	8.91	2.55	8.73	2.48	8.36	2.35
	6.0	10.06	2.33	9.58	2.22	9.09	2.12	8.91	2.06	8.73	2.01	8.36	1.90
	10.0	10.06	2.16	9.58	2.06	9.09	1.96	8.91	1.91	8.73	1.86	8.36	1.77

**Note**

1. DB : Dry bulb temperature(°C), WB : Wet bulb temperature(°C)
2. TC : Total capacity(kW)
3. PI : Power Input (kW, Compressor + indoor fan motor + outdoor fan motor)
4. All capacities are net. A deduction (cooling mode) or an addition (heating mode) of Capacity due to operating heat of indoor unit motor is reflected.
5. Capacities are based on the following conditions ;
  - Interconnecting Piping Length (Both Main pipe and Branch pipe) is standard length.
  - Difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. Direct interpolation is permissible. Do not extrapolate.
7. Rated capacities and power inputs are based on standard temperature and piping conditions, and it can be found on specifications table. Except for rated value, the performance is not guaranteed.
8. In accordance with the test standard(or nations) and indoor unit's combinations, the rating will vary slightly.

# 5. Capacity tables

Combination Capacity Index (kBTu/h)	Outdoor Air Temp. (°CWB)	Indoor Air Temp. (°CDB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
7 + 9 + 9 + 12	-15.0	6.30	2.19	6.25	2.33	6.21	2.47	6.19	2.54	6.17	2.61	6.13	2.75
	-10.0	7.26	2.47	7.21	2.61	7.17	2.75	7.15	2.82	7.13	2.89	7.09	3.03
	-5.0	8.22	2.75	8.17	2.89	8.13	3.03	8.11	2.95	8.09	2.87	8.05	2.72
	0.0	9.18	3.03	9.13	2.82	9.09	2.61	8.91	2.55	8.73	2.48	8.36	2.35
	6.0	10.06	2.33	9.58	2.22	9.09	2.12	8.91	2.06	8.73	2.01	8.36	1.90
	10.0	10.06	2.16	9.58	2.06	9.09	1.96	8.91	1.91	8.73	1.86	8.36	1.77
7 + 7 + 12 + 12	-15.0	6.30	2.19	6.25	2.33	6.21	2.47	6.19	2.54	6.17	2.61	6.13	2.75
	-10.0	7.26	2.47	7.21	2.61	7.17	2.75	7.15	2.82	7.13	2.89	7.09	3.03
	-5.0	8.22	2.75	8.17	2.89	8.13	3.03	8.11	2.95	8.09	2.87	8.05	2.72
	0.0	9.18	3.03	9.13	2.82	9.09	2.61	8.91	2.55	8.73	2.48	8.36	2.35
	6.0	10.06	2.33	9.58	2.22	9.09	2.12	8.91	2.06	8.73	2.01	8.36	1.90
	10.0	10.06	2.16	9.58	2.06	9.09	1.96	8.91	1.91	8.73	1.86	8.36	1.77
9 + 9 + 9 + 12	-15.0	6.30	2.19	6.25	2.33	6.21	2.47	6.19	2.54	6.17	2.61	6.13	2.75
	-10.0	7.26	2.47	7.21	2.61	7.17	2.75	7.15	2.82	7.13	2.89	7.09	3.03
	-5.0	8.22	2.75	8.17	2.89	8.13	3.03	8.11	2.95	8.09	2.87	8.05	2.72
	0.0	9.18	3.03	9.13	2.82	9.09	2.61	8.91	2.55	8.73	2.48	8.36	2.35
	6.0	10.06	2.33	9.58	2.22	9.09	2.12	8.91	2.06	8.73	2.01	8.36	1.90
	10.0	10.06	2.16	9.58	2.06	9.09	1.96	8.91	1.91	8.73	1.86	8.36	1.77
7 + 7 + 7 + 18	-15.0	6.30	2.19	6.25	2.33	6.21	2.47	6.19	2.54	6.17	2.61	6.13	2.75
	-10.0	7.26	2.47	7.21	2.61	7.17	2.75	7.15	2.82	7.13	2.89	7.09	3.03
	-5.0	8.22	2.75	8.17	2.89	8.13	3.03	8.11	2.95	8.09	2.87	8.05	2.72
	0.0	9.18	3.03	9.13	2.82	9.09	2.61	8.91	2.55	8.73	2.48	8.36	2.35
	6.0	10.06	2.33	9.58	2.22	9.09	2.12	8.91	2.06	8.73	2.01	8.36	1.90
	10.0	10.06	2.16	9.58	2.06	9.09	1.96	8.91	1.91	8.73	1.86	8.36	1.77
7 + 9 + 12 + 12	-15.0	6.30	2.19	6.25	2.33	6.21	2.47	6.19	2.54	6.17	2.61	6.13	2.75
	-10.0	7.26	2.47	7.21	2.61	7.17	2.75	7.15	2.82	7.13	2.89	7.09	3.03
	-5.0	8.22	2.75	8.17	2.89	8.13	3.03	8.11	2.95	8.09	2.87	8.05	2.72
	0.0	9.18	3.03	9.13	2.82	9.09	2.61	8.91	2.55	8.73	2.48	8.36	2.35
	6.0	10.06	2.33	9.58	2.22	9.09	2.12	8.91	2.06	8.73	2.01	8.36	1.90
	10.0	10.06	2.16	9.58	2.06	9.09	1.96	8.91	1.91	8.73	1.86	8.36	1.77
7 + 7 + 9 + 18	-15.0	6.30	2.19	6.25	2.33	6.21	2.47	6.19	2.54	6.17	2.61	6.13	2.75
	-10.0	7.26	2.47	7.21	2.61	7.17	2.75	7.15	2.82	7.13	2.89	7.09	3.03
	-5.0	8.22	2.75	8.17	2.89	8.13	3.03	8.11	2.95	8.09	2.87	8.05	2.72
	0.0	9.18	3.03	9.13	2.82	9.09	2.61	8.91	2.55	8.73	2.48	8.36	2.35
	6.0	10.06	2.33	9.58	2.22	9.09	2.12	8.91	2.06	8.73	2.01	8.36	1.90
	10.0	10.06	2.16	9.58	2.06	9.09	1.96	8.91	1.91	8.73	1.86	8.36	1.77
9 + 9 + 12 + 12	-15.0	6.30	2.19	6.25	2.33	6.21	2.47	6.19	2.54	6.17	2.61	6.13	2.75
	-10.0	7.26	2.47	7.21	2.61	7.17	2.75	7.15	2.82	7.13	2.89	7.09	3.03
	-5.0	8.22	2.75	8.17	2.89	8.13	3.03	8.11	2.95	8.09	2.87	8.05	2.72
	0.0	9.18	3.03	9.13	2.82	9.09	2.61	8.91	2.55	8.73	2.48	8.36	2.35
	6.0	10.06	2.33	9.58	2.22	9.09	2.12	8.91	2.06	8.73	2.01	8.36	1.90
	10.0	10.06	2.16	9.58	2.06	9.09	1.96	8.91	1.91	8.73	1.86	8.36	1.77
7 + 12 + 12 + 12	-15.0	6.30	2.19	6.25	2.33	6.21	2.47	6.19	2.54	6.17	2.61	6.13	2.75
	-10.0	7.26	2.47	7.21	2.61	7.17	2.75	7.15	2.82	7.13	2.89	7.09	3.03
	-5.0	8.22	2.75	8.17	2.89	8.13	3.03	8.11	2.95	8.09	2.87	8.05	2.72
	0.0	9.18	3.03	9.13	2.82	9.09	2.61	8.91	2.55	8.73	2.48	8.36	2.35
	6.0	10.06	2.33	9.58	2.22	9.09	2.12	8.91	2.06	8.73	2.01	8.36	1.90
	10.0	10.06	2.16	9.58	2.06	9.09	1.96	8.91	1.91	8.73	1.86	8.36	1.77
7 + 9 + 9 + 18	-15.0	6.30	2.19	6.25	2.33	6.21	2.47	6.19	2.54	6.17	2.61	6.13	2.75
	-10.0	7.26	2.47	7.21	2.61	7.17	2.75	7.15	2.82	7.13	2.89	7.09	3.03
	-5.0	8.22	2.75	8.17	2.89	8.13	3.03	8.11	2.95	8.09	2.87	8.05	2.72
	0.0	9.18	3.03	9.13	2.82	9.09	2.61	8.91	2.55	8.73	2.48	8.36	2.35
	6.0	10.06	2.33	9.58	2.22	9.09	2.12	8.91	2.06	8.73	2.01	8.36	1.90
	10.0	10.06	2.16	9.58	2.06	9.09	1.96	8.91	1.91	8.73	1.86	8.36	1.77

**Note**

1. DB : Dry bulb temperature(°C), WB : Wet bulb temperature(°C)
2. TC : Total capacity(kW)
3. PI : Power Input (kW, Compressor + indoor fan motor + outdoor fan motor)
4. All capacities are net. A deduction (cooling mode) or an addition (heating mode) of Capacity due to operating heat of indoor unit motor is reflected.
5. Capacities are based on the following conditions ;
  - Interconnecting Piping Length (Both Main pipe and Branch pipe) is standard length.
  - Difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. Direct interpolation is permissible. Do not extrapolate.
7. Rated capacities and power inputs are based on standard temperature and piping conditions, and it can be found on specifications table. Except for rated value, the performance is not guaranteed.
8. In accordance with the test standard(or nations) and indoor unit's combinations, the rating will vary slightly.

# 5. Capacity tables

Combination Capacity Index (kBTu/h)	Outdoor Air Temp. (°CWB)	Indoor Air Temp. (°CDB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
7 + 7 + 12 + 18	-15.0	6.30	2.19	6.25	2.33	6.21	2.47	6.19	2.54	6.17	2.61	6.13	2.75
	-10.0	7.26	2.47	7.21	2.61	7.17	2.75	7.15	2.82	7.13	2.89	7.09	3.03
	-5.0	8.22	2.75	8.17	2.89	8.13	3.03	8.11	2.95	8.09	2.87	8.05	2.72
	0.0	9.18	3.03	9.13	2.82	9.09	2.61	8.91	2.55	8.73	2.48	8.36	2.35
	6.0	10.06	2.33	9.58	2.22	9.09	2.12	8.91	2.06	8.73	2.01	8.36	1.90
	10.0	10.06	2.16	9.58	2.06	9.09	1.96	8.91	1.91	8.73	1.86	8.36	1.77
9 + 12 + 12 + 12	-15.0	6.30	2.19	6.25	2.33	6.21	2.47	6.19	2.54	6.17	2.61	6.13	2.75
	-10.0	7.26	2.47	7.21	2.61	7.17	2.75	7.15	2.82	7.13	2.89	7.09	3.03
	-5.0	8.22	2.75	8.17	2.89	8.13	3.03	8.11	2.95	8.09	2.87	8.05	2.72
	0.0	9.18	3.03	9.13	2.82	9.09	2.61	8.91	2.55	8.73	2.48	8.36	2.35
	6.0	10.06	2.33	9.58	2.22	9.09	2.12	8.91	2.06	8.73	2.01	8.36	1.90
	10.0	10.06	2.16	9.58	2.06	9.09	1.96	8.91	1.91	8.73	1.86	8.36	1.77
9 + 9 + 9 + 18	-15.0	6.30	2.19	6.25	2.33	6.21	2.47	6.19	2.54	6.17	2.61	6.13	2.75
	-10.0	7.26	2.47	7.21	2.61	7.17	2.75	7.15	2.82	7.13	2.89	7.09	3.03
	-5.0	8.22	2.75	8.17	2.89	8.13	3.03	8.11	2.95	8.09	2.87	8.05	2.72
	0.0	9.18	3.03	9.13	2.82	9.09	2.61	8.91	2.55	8.73	2.48	8.36	2.35
	6.0	10.06	2.33	9.58	2.22	9.09	2.12	8.91	2.06	8.73	2.01	8.36	1.90
	10.0	10.06	2.16	9.58	2.06	9.09	1.96	8.91	1.91	8.73	1.86	8.36	1.77
7 + 7 + 7 + 24	-15.0	6.30	2.19	6.25	2.33	6.21	2.47	6.19	2.54	6.17	2.61	6.13	2.75
	-10.0	7.26	2.47	7.21	2.61	7.17	2.75	7.15	2.82	7.13	2.89	7.09	3.03
	-5.0	8.22	2.75	8.17	2.89	8.13	3.03	8.11	2.95	8.09	2.87	8.05	2.72
	0.0	9.18	3.03	9.13	2.82	9.09	2.61	8.91	2.55	8.73	2.48	8.36	2.35
	6.0	10.06	2.33	9.58	2.22	9.09	2.12	8.91	2.06	8.73	2.01	8.36	1.90
	10.0	10.06	2.16	9.58	2.06	9.09	1.96	8.91	1.91	8.73	1.86	8.36	1.77
7 + 9 + 12 + 18	-15.0	6.30	2.19	6.25	2.33	6.21	2.47	6.19	2.54	6.17	2.61	6.13	2.75
	-10.0	7.26	2.47	7.21	2.61	7.17	2.75	7.15	2.82	7.13	2.89	7.09	3.03
	-5.0	8.22	2.75	8.17	2.89	8.13	3.03	8.11	2.95	8.09	2.87	8.05	2.72
	0.0	9.18	3.03	9.13	2.82	9.09	2.61	8.91	2.55	8.73	2.48	8.36	2.35
	6.0	10.06	2.33	9.58	2.22	9.09	2.12	8.91	2.06	8.73	2.01	8.36	1.90
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7 + 7 + 9 + 24	-15.0	6.30	2.19	6.25	2.33	6.21	2.47	6.19	2.54	6.17	2.61	6.13	2.75
	-10.0	7.26	2.47	7.21	2.61	7.17	2.75	7.15	2.82	7.13	2.89	7.09	3.03
	-5.0	8.22	2.75	8.17	2.89	8.13	3.03	8.11	2.95	8.09	2.87	8.05	2.72
	0.0	9.18	3.03	9.13	2.82	9.09	2.61	8.91	2.55	8.73	2.48	8.36	2.35
	6.0	10.06	2.33	9.58	2.22	9.09	2.12	8.91	2.06	8.73	2.01	8.36	1.90
	10.0	10.06	2.16	9.58	2.06	9.09	1.96	8.91	1.91	8.73	1.86	8.36	1.77
12 + 12 + 12 + 12	-15.0	6.30	2.19	6.25	2.33	6.21	2.47	6.19	2.54	6.17	2.61	6.13	2.75
	-10.0	7.26	2.47	7.21	2.61	7.17	2.75	7.15	2.82	7.13	2.89	7.09	3.03
	-5.0	8.22	2.75	8.17	2.89	8.13	3.03	8.11	2.95	8.09	2.87	8.05	2.72
	0.0	9.18	3.03	9.13	2.82	9.09	2.61	8.91	2.55	8.73	2.48	8.36	2.35
	6.0	10.06	2.33	9.58	2.22	9.09	2.12	8.91	2.06	8.73	2.01	8.36	1.90
	10.0	10.06	2.16	9.58	2.06	9.09	1.96	8.91	1.91	8.73	1.86	8.36	1.77
9 + 9 + 12 + 18	-15.0	6.30	2.19	6.25	2.33	6.21	2.47	6.19	2.54	6.17	2.61	6.13	2.75
	-10.0	7.26	2.47	7.21	2.61	7.17	2.75	7.15	2.82	7.13	2.89	7.09	3.03
	-5.0	8.22	2.75	8.17	2.89	8.13	3.03	8.11	2.95	8.09	2.87	8.05	2.72
	0.0	9.18	3.03	9.13	2.82	9.09	2.61	8.91	2.55	8.73	2.48	8.36	2.35
	6.0	10.06	2.33	9.58	2.22	9.09	2.12	8.91	2.06	8.73	2.01	8.36	1.90
	10.0	10.06	2.16	9.58	2.06	9.09	1.96	8.91	1.91	8.73	1.86	8.36	1.77
7 + 12 + 12 + 18	-15.0	6.30	2.19	6.25	2.33	6.21	2.47	6.19	2.54	6.17	2.61	6.13	2.75
	-10.0	7.26	2.47	7.21	2.61	7.17	2.75	7.15	2.82	7.13	2.89	7.09	3.03
	-5.0	8.22	2.75	8.17	2.89	8.13	3.03	8.11	2.95	8.09	2.87	8.05	2.72
	0.0	9.18	3.03	9.13	2.82	9.09	2.61	8.91	2.55	8.73	2.48	8.36	2.35
	6.0	10.06	2.33	9.58	2.22	9.09	2.12	8.91	2.06	8.73	2.01	8.36	1.90
	10.0	10.06	2.16	9.58	2.06	9.09	1.96	8.91	1.91	8.73	1.86	8.36	1.77

**Note**

1. DB : Dry bulb temperature(°C), WB : Wet bulb temperature(°C)
2. TC : Total capacity(kW)
3. PI : Power Input (kW, Compressor + indoor fan motor + outdoor fan motor)
4. All capacities are net. A deduction (cooling mode) or an addition (heating mode) of Capacity due to operating heat of indoor unit motor is reflected.
5. Capacities are based on the following conditions ;
  - Interconnecting Piping Length (Both Main pipe and Branch pipe) is standard length.
  - Difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. Direct interpolation is permissible. Do not extrapolate.
7. Rated capacities and power inputs are based on standard temperature and piping conditions, and it can be found on specifications table. Except for rated value, the performance is not guaranteed.
8. In accordance with the test standard(or nations) and indoor unit's combinations, the rating will vary slightly.

# 5. Capacity tables

Combination Capacity Index (kBtu/h)	Outdoor Air Temp. (°CWB)	Indoor Air Temp. (°CDB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
7 + 9 + 9 + 24	-15.0	6.30	2.19	6.25	2.33	6.21	2.47	6.19	2.54	6.17	2.61	6.13	2.75
	-10.0	7.26	2.47	7.21	2.61	7.17	2.75	7.15	2.82	7.13	2.89	7.09	3.03
	-5.0	8.22	2.75	8.17	2.89	8.13	3.03	8.11	2.95	8.09	2.87	8.05	2.72
	0.0	9.18	3.03	9.13	2.82	9.09	2.61	8.91	2.55	8.73	2.48	8.36	2.35
	6.0	10.06	2.33	9.58	2.22	9.09	2.12	8.91	2.06	8.73	2.01	8.36	1.90
	10.0	10.06	2.16	9.58	2.06	9.09	1.96	8.91	1.91	8.73	1.86	8.36	1.77
7 + 7 + 12 + 24	15.0	10.06	1.94	9.58	1.86	9.09	1.77	8.91	1.72	8.73	1.68	8.36	1.59
	-15.0	6.30	2.19	6.25	2.33	6.21	2.47	6.19	2.54	6.17	2.61	6.13	2.75
	-10.0	7.26	2.47	7.21	2.61	7.17	2.75	7.15	2.82	7.13	2.89	7.09	3.03
	-5.0	8.22	2.75	8.17	2.89	8.13	3.03	8.11	2.95	8.09	2.87	8.05	2.72
	0.0	9.18	3.03	9.13	2.82	9.09	2.61	8.91	2.55	8.73	2.48	8.36	2.35
	6.0	10.06	2.33	9.58	2.22	9.09	2.12	8.91	2.06	8.73	2.01	8.36	1.90
7 + 7 + 18 + 18	10.0	10.06	2.16	9.58	2.06	9.09	1.96	8.91	1.91	8.73	1.86	8.36	1.77
	15.0	10.06	1.94	9.58	1.86	9.09	1.77	8.91	1.72	8.73	1.68	8.36	1.59
	-15.0	6.30	2.19	6.25	2.33	6.21	2.47	6.19	2.54	6.17	2.61	6.13	2.75
	-10.0	7.26	2.47	7.21	2.61	7.17	2.75	7.15	2.82	7.13	2.89	7.09	3.03
	-5.0	8.22	2.75	8.17	2.89	8.13	3.03	8.11	2.95	8.09	2.87	8.05	2.72
	0.0	9.18	3.03	9.13	2.82	9.09	2.61	8.91	2.55	8.73	2.48	8.36	2.35
9 + 12 + 12 + 18	6.0	10.06	2.33	9.58	2.22	9.09	2.12	8.91	2.06	8.73	2.01	8.36	1.90
	10.0	10.06	2.16	9.58	2.06	9.09	1.96	8.91	1.91	8.73	1.86	8.36	1.77
	15.0	10.06	1.94	9.58	1.86	9.09	1.77	8.91	1.72	8.73	1.68	8.36	1.59
	-15.0	6.30	2.19	6.25	2.33	6.21	2.47	6.19	2.54	6.17	2.61	6.13	2.75
	-10.0	7.26	2.47	7.21	2.61	7.17	2.75	7.15	2.82	7.13	2.89	7.09	3.03
	-5.0	8.22	2.75	8.17	2.89	8.13	3.03	8.11	2.95	8.09	2.87	8.05	2.72
9 + 9 + 9 + 24	0.0	9.18	3.03	9.13	2.82	9.09	2.61	8.91	2.55	8.73	2.48	8.36	2.35
	6.0	10.06	2.33	9.58	2.22	9.09	2.12	8.91	2.06	8.73	2.01	8.36	1.90
	10.0	10.06	2.16	9.58	2.06	9.09	1.96	8.91	1.91	8.73	1.86	8.36	1.77
	15.0	10.06	1.94	9.58	1.86	9.09	1.77	8.91	1.72	8.73	1.68	8.36	1.59
	-15.0	6.30	2.19	6.25	2.33	6.21	2.47	6.19	2.54	6.17	2.61	6.13	2.75
	-10.0	7.26	2.47	7.21	2.61	7.17	2.75	7.15	2.82	7.13	2.89	7.09	3.03

**Note**

1. DB : Dry bulb temperature(°C), WB : Wet bulb temperature(°C)
2. TC : Total capacity(kW)
3. PI : Power Input (kW, Compressor + indoor fan motor + outdoor fan motor)
4. All capacities are net. A deduction (cooling mode) or an addition (heating mode) of Capacity due to operating heat of indoor unit motor is reflected.
5. Capacities are based on the following conditions ;
  - Interconnecting Piping Length (Both Main pipe and Branch pipe) is standard length.
  - Difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. Direct interpolation is permissible. Do not extrapolate.
7. Rated capacities and power inputs are based on standard temperature and piping conditions, and it can be found on specifications table. Except for rated value, the performance is not guaranteed.
8. In accordance with the test standard(or nations) and indoor unit's combinations, the rating will vary slightly.



# 5. Capacity tables

Combination capacity index (kBTU/h)	Outdoor Air Temp. (°CDB)	Indoor Air Temp. (°CWB)											
		14		16		18		19		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
9 + 12	22	5.85	0.86	6.21	1.17	6.58	1.26	6.76	1.28	7.31	1.29	7.68	1.29
	25	5.71	0.92	6.08	1.20	6.44	1.29	6.63	1.31	7.17	1.34	7.54	1.35
	32	5.39	1.23	5.75	1.45	6.12	1.52	6.30	1.54	6.85	1.58	7.22	1.61
	35	5.25	1.37	5.62	1.56	5.98	1.62	6.15	1.59	6.71	1.67	7.08	1.70
	40	5.02	1.51	5.39	1.63	5.75	1.65	5.93	1.65	6.48	1.68	6.85	1.71
	43	4.88	1.48	5.25	1.55	5.61	1.54	5.80	1.54	6.35	1.56	6.71	1.59
12 + 12	22	6.69	0.99	7.10	1.34	7.52	1.45	7.73	1.47	8.36	1.48	8.78	1.48
	25	6.53	1.05	6.95	1.38	7.36	1.48	7.57	1.51	8.20	1.53	8.62	1.55
	32	6.16	1.41	6.58	1.67	7.00	1.75	7.21	1.77	7.83	1.81	8.25	1.84
	35	6.00	1.58	6.42	1.79	6.84	1.85	7.03	1.82	7.67	1.91	8.09	1.95
	40	5.74	1.73	6.16	1.86	6.58	1.89	6.78	1.90	7.41	1.93	7.83	1.97
	43	5.58	1.70	6.00	1.77	6.42	1.77	6.63	1.77	7.25	1.79	7.67	1.83
7 + 18	22	6.97	1.06	7.41	1.43	7.84	1.55	8.06	1.57	8.72	1.58	9.15	1.58
	25	6.81	1.12	7.24	1.47	7.68	1.59	7.90	1.61	8.55	1.64	8.99	1.65
	32	6.42	1.51	6.86	1.78	7.29	1.87	7.51	1.89	8.17	1.93	8.60	1.97
	35	6.26	1.68	6.69	1.91	7.13	1.98	7.33	1.95	8.00	2.04	8.44	2.08
	40	5.98	1.85	6.42	1.99	6.86	2.02	7.07	2.03	7.73	2.06	8.16	2.10
	43	5.82	1.81	6.26	1.90	6.69	1.89	6.91	1.89	7.56	1.91	8.00	1.95
9 + 18	22	7.52	1.20	7.99	1.62	8.46	1.76	8.70	1.78	9.40	1.80	9.88	1.80
	25	7.35	1.28	7.82	1.67	8.29	1.80	8.52	1.83	9.23	1.86	9.70	1.88
	32	6.93	1.71	7.40	2.02	7.87	2.12	8.11	2.15	8.81	2.20	9.28	2.24
	35	6.75	1.91	7.22	2.17	7.69	2.25	7.91	2.21	8.64	2.32	9.11	2.37
	40	6.46	2.10	6.93	2.26	7.40	2.29	7.63	2.30	8.34	2.34	8.81	2.39
	43	6.28	2.06	6.75	2.15	7.22	2.15	7.46	2.15	8.16	2.17	8.63	2.21
12 + 18	22	8.36	1.45	8.88	1.96	9.41	2.12	9.67	2.15	10.5	2.17	11.0	2.17
	25	8.16	1.54	8.69	2.02	9.21	2.18	9.47	2.21	10.3	2.25	10.8	2.27
	32	7.70	2.07	8.22	2.44	8.75	2.56	9.01	2.59	9.79	2.65	10.3	2.70
	35	7.50	2.31	8.03	2.62	8.55	2.72	8.79	2.67	9.60	2.80	10.1	2.86
	40	7.18	2.54	7.70	2.73	8.22	2.77	8.48	2.78	9.27	2.82	9.79	2.88
	43	6.98	2.49	7.50	2.60	8.02	2.60	8.29	2.59	9.07	2.62	9.59	2.68
7 + 24	22	8.65	1.54	9.19	2.08	9.73	2.26	10.00	2.29	10.8	2.30	11.3	2.31
	25	8.44	1.64	8.98	2.15	9.52	2.31	9.79	2.35	10.6	2.39	11.1	2.41
	32	7.96	2.20	8.51	2.59	9.05	2.72	9.32	2.75	10.13	2.82	10.7	2.87
	35	7.76	2.45	8.30	2.79	8.84	2.89	9.09	2.84	9.92	2.98	10.5	3.04
	40	7.42	2.70	7.96	2.90	8.50	2.95	8.77	2.95	9.58	3.00	10.12	3.06
	43	7.22	2.64	7.76	2.76	8.30	2.76	8.57	2.75	9.38	2.78	9.92	2.84
9 + 24	22	9.20	1.74	9.77	2.34	10.35	2.54	10.63	2.57	11.5	2.59	12.1	2.60
	25	8.98	1.84	9.55	2.41	10.13	2.60	10.42	2.64	11.3	2.69	11.9	2.71
	32	8.47	2.48	9.05	2.92	9.62	3.07	9.91	3.10	10.77	3.17	11.3	3.23
	35	8.26	2.76	8.83	3.14	9.41	3.25	9.67	3.20	10.56	3.35	11.13	3.42
	40	7.89	3.03	8.47	3.27	9.04	3.31	9.33	3.32	10.19	3.38	10.77	3.45
	43	7.68	2.97	8.25	3.11	8.83	3.11	9.11	3.10	9.98	3.13	10.55	3.20
18 + 18	22	9.76	1.95	10.37	2.63	10.98	2.85	11.28	2.88	12.20	2.91	12.81	2.91
	25	9.53	2.07	10.14	2.71	10.75	2.92	11.05	2.96	11.97	3.01	12.58	3.04
	32	8.99	2.78	9.60	3.27	10.21	3.44	10.52	3.47	11.43	3.56	12.04	3.62
	35	8.76	3.10	9.37	3.52	9.98	3.64	10.26	3.58	11.20	3.76	11.81	3.83
	40	8.38	3.40	8.99	3.66	9.60	3.72	9.90	3.73	10.82	3.78	11.43	3.87
	43	8.15	3.33	8.76	3.49	9.37	3.48	9.67	3.47	10.59	3.51	11.20	3.59
12 + 24	22	9.76	1.95	10.37	2.63	10.98	2.85	11.28	2.88	12.20	2.91	12.81	2.91
	25	9.53	2.07	10.14	2.71	10.75	2.92	11.05	2.96	11.97	3.01	12.58	3.04
	32	8.99	2.78	9.60	3.27	10.21	3.44	10.52	3.47	11.43	3.56	12.04	3.62
	35	8.76	3.10	9.37	3.52	9.98	3.64	10.26	3.58	11.20	3.76	11.81	3.83
	40	8.38	3.40	8.99	3.66	9.60	3.72	9.90	3.73	10.82	3.78	11.43	3.87
	43	8.15	3.33	8.76	3.49	9.37	3.48	9.67	3.47	10.59	3.51	11.20	3.59

**Note**

1. DB : Dry bulb temperature(°C), WB : Wet bulb temperature(°C)
2. TC : Total capacity(kW)
3. PI : Power Input (kW, Compressor + indoor fan motor + outdoor fan motor)
4. All capacities are net. A deduction (cooling mode) or an addition (heating mode) of Capacity due to operating heat of indoor unit motor is reflected.
5. Capacities are based on the following conditions ;
  - Interconnecting Piping Length (Both Main pipe and Branch pipe) is standard length.
  - Difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. Direct interpolation is permissible. Do not extrapolate.
7. Rated capacities and power inputs are based on standard temperature and piping conditions, and it can be found on specifications table. Except for rated value, the performance is not guaranteed.
8. In accordance with the test standard(or nations) and indoor unit's combinations, the rating will vary slightly.

# 5. Capacity tables

Combination capacity index (kBtu/h)	Outdoor Air Temp. (°CDB)	Indoor Air Temp. (°CWB)											
		14		16		18		19		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
18 + 24	22	9.76	1.95	10.37	2.63	10.98	2.85	11.28	2.88	12.20	2.91	12.81	2.91
	25	9.53	2.07	10.14	2.71	10.75	2.92	11.05	2.96	11.97	3.01	12.58	3.04
	32	8.99	2.78	9.60	3.27	10.21	3.44	10.52	3.47	11.43	3.56	12.04	3.62
	35	8.76	3.10	9.37	3.52	9.98	3.64	10.26	3.58	11.20	3.76	11.81	3.83
	40	8.38	3.40	8.99	3.66	9.60	3.72	9.90	3.73	10.82	3.78	11.43	3.87
	43	8.15	3.33	8.76	3.49	9.37	3.48	9.67	3.47	10.59	3.51	11.20	3.59
24 + 24	22	9.76	1.95	10.37	2.63	10.98	2.85	11.28	2.88	12.20	2.91	12.81	2.91
	25	9.53	2.07	10.14	2.71	10.75	2.92	11.05	2.96	11.97	3.01	12.58	3.04
	32	8.99	2.78	9.60	3.27	10.21	3.44	10.52	3.47	11.43	3.56	12.04	3.62
	35	8.76	3.10	9.37	3.52	9.98	3.64	10.26	3.58	11.20	3.76	11.81	3.83
	40	8.38	3.40	8.99	3.66	9.60	3.72	9.90	3.73	10.82	3.78	11.43	3.87
	43	8.15	3.33	8.76	3.49	9.37	3.48	9.67	3.47	10.59	3.51	11.20	3.59
3 Units Operation													
7 + 7 + 7	22	5.85	0.81	6.21	1.10	6.58	1.19	6.76	1.20	7.31	1.21	7.68	1.21
	25	5.71	0.86	6.08	1.13	6.44	1.22	6.63	1.23	7.17	1.26	7.54	1.27
	32	5.39	1.16	5.75	1.36	6.12	1.43	6.30	1.45	6.85	1.48	7.22	1.51
	35	5.25	1.29	5.62	1.47	5.98	1.52	6.15	1.49	6.71	1.57	7.08	1.60
	40	5.02	1.42	5.39	1.53	5.75	1.55	5.93	1.55	6.48	1.58	6.85	1.61
	43	4.88	1.39	5.25	1.45	5.61	1.45	5.80	1.45	6.35	1.46	6.71	1.50
7 + 7 + 9	22	6.41	0.89	6.81	1.20	7.21	1.30	7.41	1.31	8.01	1.32	8.41	1.32
	25	6.26	0.94	6.66	1.23	7.06	1.33	7.26	1.35	7.86	1.37	8.26	1.38
	32	5.91	1.26	6.31	1.49	6.71	1.56	6.91	1.58	7.51	1.62	7.91	1.65
	35	5.75	1.41	6.16	1.60	6.56	1.66	6.74	1.63	7.36	1.71	7.76	1.74
	40	5.50	1.55	5.90	1.67	6.30	1.69	6.50	1.70	7.11	1.72	7.51	1.76
	43	5.35	1.52	5.75	1.59	6.15	1.58	6.35	1.58	6.95	1.60	7.36	1.63
7 + 9 + 9	22	6.97	1.00	7.41	1.34	7.84	1.46	8.06	1.47	8.72	1.49	9.15	1.49
	25	6.81	1.06	7.24	1.38	7.68	1.49	7.90	1.51	8.55	1.54	8.99	1.55
	32	6.42	1.42	6.86	1.67	7.29	1.76	7.51	1.78	8.17	1.82	8.60	1.85
	35	6.26	1.58	6.69	1.80	7.13	1.86	7.33	1.83	8.00	1.92	8.44	1.96
	40	5.98	1.74	6.42	1.87	6.86	1.90	7.07	1.90	7.73	1.93	8.16	1.98
	43	5.82	1.70	6.26	1.78	6.69	1.78	6.91	1.78	7.56	1.79	8.00	1.83
7 + 7 + 12	22	7.25	1.06	7.70	1.43	8.15	1.55	8.38	1.57	9.06	1.58	9.51	1.59
	25	7.08	1.13	7.53	1.48	7.98	1.59	8.21	1.61	8.89	1.64	9.34	1.66
	32	6.68	1.51	7.13	1.78	7.58	1.87	7.81	1.89	8.49	1.94	8.94	1.97
	35	6.51	1.69	6.96	1.92	7.41	1.99	7.62	1.95	8.32	2.05	8.77	2.09
	40	6.22	1.85	6.67	2.00	7.13	2.03	7.35	2.03	8.03	2.06	8.49	2.11
	43	6.05	1.82	6.50	1.90	6.96	1.90	7.18	1.89	7.86	1.91	8.32	1.96
9 + 9 + 9	22	7.52	1.13	7.99	1.53	8.46	1.65	8.70	1.67	9.40	1.69	9.88	1.69
	25	7.35	1.20	7.82	1.57	8.29	1.69	8.52	1.72	9.23	1.75	9.70	1.76
	32	6.93	1.61	7.40	1.90	7.87	1.99	8.11	2.02	8.81	2.06	9.28	2.10
	35	6.75	1.80	7.22	2.04	7.69	2.11	7.91	2.08	8.64	2.18	9.11	2.22
	40	6.46	1.97	6.93	2.13	7.40	2.16	7.63	2.16	8.34	2.20	8.81	2.24
	43	6.28	1.93	6.75	2.02	7.22	2.02	7.46	2.02	8.16	2.04	8.63	2.08
7 + 9 + 12	22	7.81	1.21	8.30	1.64	8.78	1.77	9.03	1.80	9.76	1.81	10.25	1.81
	25	7.62	1.29	8.11	1.69	8.60	1.82	8.84	1.84	9.58	1.87	10.07	1.89
	32	7.19	1.73	7.68	2.04	8.17	2.14	8.41	2.16	9.15	2.21	9.64	2.26
	35	7.01	1.93	7.50	2.19	7.99	2.27	8.21	2.23	8.96	2.34	9.45	2.39
	40	6.70	2.12	7.19	2.28	7.68	2.31	7.92	2.32	8.66	2.36	9.14	2.41
	43	6.52	2.07	7.01	2.17	7.49	2.17	7.74	2.16	8.47	2.18	8.96	2.23
9 + 9 + 12	22	8.36	1.39	8.88	1.88	9.41	2.03	9.67	2.06	10.45	2.08	10.97	2.08
	25	8.16	1.48	8.69	1.93	9.21	2.08	9.47	2.11	10.25	2.15	10.78	2.17
	32	7.70	1.98	8.22	2.34	8.75	2.45	9.01	2.48	9.79	2.54	10.32	2.59
	35	7.50	2.21	8.03	2.51	8.55	2.60	8.79	2.56	9.60	2.68	10.12	2.74
	40	7.18	2.43	7.70	2.62	8.22	2.65	8.48	2.66	9.27	2.70	9.79	2.76
	43	6.98	2.38	7.50	2.49	8.02	2.49	8.29	2.48	9.07	2.51	9.59	2.56
46	6.78	2.14	7.30	2.16	7.83	2.11	8.09	2.09	8.87	2.09	9.39	2.14	

**Note**

- DB : Dry bulb temperature(°C), WB : Wet bulb temperature(°C)
- TC : Total capacity(kW)
- PI : Power Input (kW, Compressor + indoor fan motor + outdoor fan motor)
- All capacities are net. A deduction (cooling mode) or an addition (heating mode) of Capacity due to operating heat of indoor unit motor is reflected.
- Capacities are based on the following conditions ;
  - Interconnecting Piping Length (Both Main pipe and Branch pipe) is standard length.
  - Difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
- Direct interpolation is permissible. Do not extrapolate.
- Rated capacities and power inputs are based on standard temperature and piping conditions, and it can be found on specifications table. Except for rated value, the performance is not guaranteed.
- In accordance with the test standard(or nations) and indoor unit's combinations, the rating will vary slightly.



# 5. Capacity tables

Combination capacity index (kBtu/h)	Outdoor Air Temp. (°CDB)	Indoor Air Temp. (°CWB)											
		14		16		18		19		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
7 + 12 + 12	22	8.65	1.49	9.19	2.01	9.73	2.17	10.00	2.20	10.81	2.22	11.35	2.22
	25	8.44	1.58	8.98	2.07	9.52	2.23	9.79	2.26	10.60	2.30	11.14	2.32
	32	7.96	2.12	8.51	2.50	9.05	2.62	9.32	2.65	10.13	2.71	10.67	2.77
	35	7.76	2.36	8.30	2.68	8.84	2.78	9.09	2.73	9.92	2.87	10.46	2.92
	40	7.42	2.60	7.96	2.80	8.50	2.84	8.77	2.84	9.58	2.89	10.12	2.95
	43	7.22	2.54	7.76	2.66	8.30	2.66	8.57	2.65	9.38	2.68	9.92	2.74
7 + 7 + 18	22	8.92	1.59	9.48	2.14	10.04	2.32	10.32	2.35	11.15	2.37	11.71	2.37
	25	8.71	1.68	9.27	2.21	9.83	2.38	10.11	2.41	10.94	2.45	11.50	2.48
	32	8.22	2.26	8.78	2.67	9.33	2.80	9.61	2.83	10.45	2.90	11.01	2.95
	35	8.01	2.52	8.57	2.87	9.12	2.97	9.38	2.92	10.24	3.06	10.80	3.12
	40	7.66	2.77	8.22	2.99	8.77	3.03	9.05	3.04	9.89	3.09	10.45	3.15
	43	7.45	2.72	8.00	2.84	8.56	2.84	8.84	2.83	9.68	2.86	10.24	2.92
9 + 12 + 12	22	9.20	1.69	9.77	2.29	10.35	2.48	10.63	2.51	11.50	2.53	12.07	2.53
	25	8.98	1.80	9.55	2.35	10.13	2.54	10.42	2.57	11.28	2.62	11.86	2.64
	32	8.47	2.41	9.05	2.85	9.62	2.99	9.91	3.02	10.77	3.09	11.35	3.15
	35	8.26	2.69	8.83	3.06	9.41	3.17	9.67	3.11	10.56	3.27	11.13	3.33
	40	7.89	2.96	8.47	3.19	9.04	3.23	9.33	3.24	10.19	3.29	10.77	3.36
	43	7.68	2.90	8.25	3.03	8.83	3.03	9.11	3.02	9.98	3.05	10.55	3.12
7 + 9 + 18	22	9.47	1.80	10.06	2.44	10.66	2.64	10.95	2.67	11.84	2.69	12.43	2.70
	25	9.25	1.92	9.84	2.51	10.43	2.70	10.73	2.74	11.62	2.79	12.21	2.81
	32	8.73	2.57	9.32	3.03	9.91	3.18	10.21	3.22	11.10	3.30	11.69	3.36
	35	8.50	2.87	9.10	3.26	9.69	3.38	9.96	3.32	10.87	3.48	11.47	3.55
	40	8.13	3.15	8.72	3.40	9.32	3.44	9.61	3.45	10.50	3.51	11.09	3.58
	43	7.91	3.09	8.50	3.23	9.09	3.23	9.39	3.22	10.28	3.25	10.87	3.32
12 + 12 + 12	22	9.76	1.92	10.37	2.59	10.98	2.81	11.28	2.85	12.20	2.87	12.81	2.87
	25	9.53	2.04	10.14	2.67	10.75	2.88	11.05	2.92	11.97	2.97	12.58	3.00
	32	8.99	2.74	9.60	3.23	10.21	3.39	10.52	3.43	11.43	3.51	12.04	3.57
	35	8.76	3.06	9.37	3.47	9.98	3.60	10.26	3.53	11.20	3.71	11.81	3.78
	40	8.38	3.36	8.99	3.62	9.60	3.67	9.90	3.68	10.82	3.73	11.43	3.81
	43	8.15	3.29	8.76	3.44	9.37	3.44	9.67	3.43	10.59	3.46	11.20	3.54
9 + 9 + 18	22	9.76	1.92	10.37	2.59	10.98	2.81	11.28	2.85	12.20	2.87	12.81	2.87
	25	9.53	2.04	10.14	2.67	10.75	2.88	11.05	2.92	11.97	2.97	12.58	3.00
	32	8.99	2.74	9.60	3.23	10.21	3.39	10.52	3.43	11.43	3.51	12.04	3.57
	35	8.76	3.06	9.37	3.47	9.98	3.60	10.26	3.53	11.20	3.71	11.81	3.78
	40	8.38	3.36	8.99	3.62	9.60	3.67	9.90	3.68	10.82	3.73	11.43	3.81
	43	8.15	3.29	8.76	3.44	9.37	3.44	9.67	3.43	10.59	3.46	11.20	3.54
7 + 12 + 18	22	9.76	1.92	10.37	2.59	10.98	2.81	11.28	2.85	12.20	2.87	12.81	2.87
	25	9.53	2.04	10.14	2.67	10.75	2.88	11.05	2.92	12.00	2.97	12.60	3.00
	32	8.99	2.74	9.60	3.23	10.21	3.39	10.52	3.43	11.43	3.51	12.04	3.57
	35	8.76	3.06	9.37	3.47	9.98	3.60	10.26	3.53	11.20	3.71	11.81	3.78
	40	8.38	3.36	8.99	3.62	9.60	3.67	9.90	3.68	10.82	3.73	11.43	3.81
	43	8.15	3.29	8.76	3.44	9.37	3.44	9.67	3.43	10.59	3.46	11.20	3.54
7 + 7 + 24	22	9.76	1.92	10.37	2.59	10.98	2.81	11.28	2.85	12.20	2.87	12.81	2.87
	25	9.53	2.04	10.14	2.67	10.75	2.88	11.05	2.92	12.00	2.97	12.60	3.00
	32	8.99	2.74	9.60	3.23	10.21	3.39	10.52	3.43	11.43	3.51	12.04	3.57
	35	8.76	3.06	9.37	3.47	9.98	3.60	10.26	3.53	11.20	3.71	11.81	3.78
	40	8.38	3.36	8.99	3.62	9.60	3.67	9.90	3.68	10.82	3.73	11.43	3.81
	43	8.15	3.29	8.76	3.44	9.37	3.44	9.67	3.43	10.59	3.46	11.20	3.54
9 + 12 + 18	22	9.76	1.92	10.37	2.59	10.98	2.81	11.28	2.85	12.20	2.87	12.81	2.87
	25	9.53	2.04	10.14	2.67	10.75	2.88	11.05	2.92	12.00	2.97	12.60	3.00
	32	8.99	2.74	9.60	3.23	10.21	3.39	10.52	3.43	11.43	3.51	12.04	3.57
	35	8.76	3.06	9.37	3.47	9.98	3.60	10.26	3.53	11.20	3.71	11.81	3.78
	40	8.38	3.36	8.99	3.62	9.60	3.67	9.90	3.68	10.82	3.73	11.43	3.81
	43	8.15	3.29	8.76	3.44	9.37	3.44	9.67	3.43	10.59	3.46	11.20	3.54

**Note**

1. DB : Dry bulb temperature(°C), WB : Wet bulb temperature(°C)
2. TC : Total capacity(kW)
3. PI : Power Input (kW, Compressor + indoor fan motor + outdoor fan motor)
4. All capacities are net. A deduction (cooling mode) or an addition (heating mode) of Capacity due to operating heat of indoor unit motor is reflected.
5. Capacities are based on the following conditions ;
  - Interconnecting Piping Length (Both Main pipe and Branch pipe) is standard length.
  - Difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. Direct interpolation is permissible. Do not extrapolate.
7. Rated capacities and power inputs are based on standard temperature and piping conditions, and it can be found on specifications table. Except for rated value, the performance is not guaranteed.
8. In accordance with the test standard(or nations) and indoor unit's combinations, the rating will vary slightly.

# 5. Capacity tables

Combination capacity index (kBTU/h)	Outdoor Air Temp. (°CDB)	Indoor Air Temp. (°CWB)											
		14		16		18		19		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
7 + 9 + 24	22	9.76	1.92	10.37	2.59	10.98	2.81	11.28	2.85	12.20	2.87	12.81	2.87
	25	9.53	2.04	10.14	2.67	10.75	2.88	11.05	2.92	11.97	2.97	12.58	3.00
	32	8.99	2.74	9.60	3.23	10.21	3.39	10.52	3.43	11.43	3.51	12.04	3.57
	35	8.76	3.06	9.37	3.47	9.98	3.60	10.26	3.53	11.20	3.71	11.81	3.78
	40	8.38	3.36	8.99	3.62	9.60	3.67	9.90	3.68	10.82	3.73	11.43	3.81
	43	8.15	3.29	8.76	3.44	9.37	3.44	9.67	3.43	10.59	3.46	11.20	3.54
12 + 12 + 18	22	9.76	1.92	10.37	2.59	10.98	2.81	11.28	2.85	12.20	2.87	12.81	2.87
	25	9.53	2.04	10.14	2.67	10.75	2.88	11.05	2.92	11.97	2.97	12.58	3.00
	32	8.99	2.74	9.60	3.23	10.21	3.39	10.52	3.43	11.43	3.51	12.04	3.57
	35	8.76	3.06	9.37	3.47	9.98	3.60	10.26	3.53	11.20	3.71	11.81	3.78
	40	8.38	3.36	8.99	3.62	9.60	3.67	9.90	3.68	10.82	3.73	11.43	3.81
	43	8.15	3.29	8.76	3.44	9.37	3.44	9.67	3.43	10.59	3.46	11.20	3.54
9 + 9 + 24	22	9.76	1.92	10.37	2.59	10.98	2.81	11.28	2.85	12.20	2.87	12.81	2.87
	25	9.53	2.04	10.14	2.67	10.75	2.88	11.05	2.92	11.97	2.97	12.58	3.00
	32	8.99	2.74	9.60	3.23	10.21	3.39	10.52	3.43	11.43	3.51	12.04	3.57
	35	8.76	3.06	9.37	3.47	9.98	3.60	10.26	3.53	11.20	3.71	11.81	3.78
	40	8.38	3.36	8.99	3.62	9.60	3.67	9.90	3.68	10.82	3.73	11.43	3.81
	43	8.15	3.29	8.76	3.44	9.37	3.44	9.67	3.43	10.59	3.46	11.20	3.54
7 + 18 + 18	22	9.76	1.92	10.37	2.59	10.98	2.81	11.28	2.85	12.20	2.87	12.81	2.87
	25	9.53	2.04	10.14	2.67	10.75	2.88	11.05	2.92	11.97	2.97	12.58	3.00
	32	8.99	2.74	9.60	3.23	10.21	3.39	10.52	3.43	11.43	3.51	12.04	3.57
	35	8.76	3.06	9.37	3.47	9.98	3.60	10.26	3.53	11.20	3.71	11.81	3.78
	40	8.38	3.36	8.99	3.62	9.60	3.67	9.90	3.68	10.82	3.73	11.43	3.81
	43	8.15	3.29	8.76	3.44	9.37	3.44	9.67	3.43	10.59	3.46	11.20	3.54
7 + 12 + 24	22	9.76	1.92	10.37	2.59	10.98	2.81	11.28	2.85	12.20	2.87	12.81	2.87
	25	9.53	2.04	10.14	2.67	10.75	2.88	11.05	2.92	11.97	2.97	12.58	3.00
	32	8.99	2.74	9.60	3.23	10.21	3.39	10.52	3.43	11.43	3.51	12.04	3.57
	35	8.76	3.06	9.37	3.47	9.98	3.60	10.26	3.53	11.20	3.71	11.81	3.78
	40	8.38	3.36	8.99	3.62	9.60	3.67	9.90	3.68	10.82	3.73	11.43	3.81
	43	8.15	3.29	8.76	3.44	9.37	3.44	9.67	3.43	10.59	3.46	11.20	3.54
9 + 18 + 18	22	9.76	1.92	10.37	2.59	10.98	2.81	11.28	2.85	12.20	2.87	12.81	2.87
	25	9.53	2.04	10.14	2.67	10.75	2.88	11.05	2.92	11.97	2.97	12.58	3.00
	32	8.99	2.74	9.60	3.23	10.21	3.39	10.52	3.43	11.43	3.51	12.04	3.57
	35	8.76	3.06	9.37	3.47	9.98	3.60	10.26	3.53	11.20	3.71	11.81	3.78
	40	8.38	3.36	8.99	3.62	9.60	3.67	9.90	3.68	10.82	3.73	11.43	3.81
	43	8.15	3.29	8.76	3.44	9.37	3.44	9.67	3.43	10.59	3.46	11.20	3.54
9 + 12 + 24	22	9.76	1.92	10.37	2.59	10.98	2.81	11.28	2.85	12.20	2.87	12.81	2.87
	25	9.53	2.04	10.14	2.67	10.75	2.88	11.05	2.92	12.0	2.97	12.6	3.00
	32	8.99	2.74	9.60	3.23	10.21	3.39	10.52	3.43	11.43	3.51	12.0	3.57
	35	8.76	3.06	9.37	3.47	9.98	3.60	10.26	3.53	11.20	3.71	11.8	3.78
	40	8.38	3.36	8.99	3.62	9.60	3.67	9.90	3.68	10.82	3.73	11.43	3.81
	43	8.15	3.29	8.76	3.44	9.37	3.44	9.67	3.43	10.59	3.46	11.20	3.54
12 + 18 + 18	22	9.76	1.92	10.37	2.59	10.98	2.81	11.28	2.85	12.2	2.87	12.8	2.87
	25	9.53	2.04	10.14	2.67	10.75	2.88	11.05	2.92	12.0	2.97	12.6	3.00
	32	8.99	2.74	9.60	3.23	10.21	3.39	10.52	3.43	11.43	3.51	12.0	3.57
	35	8.76	3.06	9.37	3.47	9.98	3.60	10.26	3.53	11.20	3.71	11.8	3.78
	40	8.38	3.36	8.99	3.62	9.60	3.67	9.90	3.68	10.82	3.73	11.43	3.81
	43	8.15	3.29	8.76	3.44	9.37	3.44	9.67	3.43	10.59	3.46	11.20	3.54
12 + 12 + 24	22	9.76	1.92	10.37	2.59	10.98	2.81	11.28	2.85	12.2	2.87	12.8	2.87
	25	9.53	2.04	10.14	2.67	10.75	2.88	11.05	2.92	12.0	2.97	12.6	3.00
	32	8.99	2.74	9.60	3.23	10.21	3.39	10.52	3.43	11.43	3.51	12.0	3.57
	35	8.76	3.06	9.37	3.47	9.98	3.60	10.26	3.53	11.20	3.71	11.8	3.78
	40	8.38	3.36	8.99	3.62	9.60	3.67	9.90	3.68	10.82	3.73	11.43	3.81
	43	8.15	3.29	8.76	3.44	9.37	3.44	9.67	3.43	10.59	3.46	11.20	3.54

**Note**

1. DB : Dry bulb temperature(°C), WB : Wet bulb temperature(°C)
2. TC : Total capacity(kW)
3. PI : Power Input (kW, Compressor + indoor fan motor + outdoor fan motor)
4. All capacities are net. A deduction (cooling mode) or an addition (heating mode) of Capacity due to operating heat of indoor unit motor is reflected.
5. Capacities are based on the following conditions ;
  - Interconnecting Piping Length (Both Main pipe and Branch pipe) is standard length.
  - Difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. Direct interpolation is permissible. Do not extrapolate.
7. Rated capacities and power inputs are based on standard temperature and piping conditions, and it can be found on specifications table. Except for rated value, the performance is not guaranteed.
8. In accordance with the test standard(or nations) and indoor unit's combinations, the rating will vary slightly.









# 5. Capacity tables

Combination capacity index (kBTU/h)	Outdoor Air Temp. (°CDB)	Indoor Air Temp. (°CWB)											
		14		16		18		19		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
9 + 9 + 18 + 18	22	9.76	1.66	10.37	2.24	10.98	2.42	11.28	2.45	12.20	2.47	12.81	2.48
	25	9.53	1.76	10.14	2.30	10.75	2.48	11.05	2.52	11.97	2.56	12.58	2.58
	32	8.99	2.36	9.60	2.79	10.21	2.92	10.52	2.96	11.43	3.03	12.04	3.08
	35	8.76	2.63	9.37	2.99	9.98	3.10	10.26	3.05	11.20	3.20	11.81	3.26
	40	8.38	2.89	8.99	3.12	9.60	3.16	9.90	3.17	10.82	3.22	11.43	3.29
	43	8.15	2.83	8.76	2.97	9.37	2.96	9.67	2.96	10.59	2.99	11.20	3.05
12 + 12 + 12 + 18	22	9.76	1.66	10.37	2.24	10.98	2.42	11.28	2.45	12.20	2.47	12.81	2.48
	25	9.53	1.76	10.14	2.30	10.75	2.48	11.05	2.52	11.97	2.56	12.58	2.58
	32	8.99	2.36	9.60	2.79	10.21	2.92	10.52	2.96	11.43	3.03	12.04	3.08
	35	8.76	2.63	9.37	2.99	9.98	3.10	10.26	3.05	11.20	3.20	11.81	3.26
	40	8.38	2.89	8.99	3.12	9.60	3.16	9.90	3.17	10.82	3.22	11.43	3.29
	43	8.15	2.83	8.76	2.97	9.37	2.96	9.67	2.96	10.59	2.99	11.20	3.05
<b>5 Units Operation</b>													
7 + 7 + 7 + 7 + 7	22	9.76	1.64	10.37	2.22	10.98	2.40	11.28	2.44	12.20	2.45	12.81	2.46
	25	9.53	1.74	10.14	2.28	10.75	2.46	11.05	2.50	11.97	2.54	12.58	2.56
	32	8.99	2.34	9.60	2.76	10.21	2.90	10.52	2.93	11.43	3.00	12.04	3.06
	35	8.76	2.61	9.37	2.97	9.98	3.08	10.26	3.02	11.20	3.17	11.81	3.23
	40	8.38	2.87	8.99	3.09	9.60	3.14	9.90	3.15	10.82	3.20	11.43	3.26
	43	8.15	2.81	8.76	2.94	9.37	2.94	9.67	2.93	10.59	2.96	11.20	3.03
7 + 7 + 7 + 7 + 9	22	9.76	1.64	10.37	2.22	10.98	2.40	11.28	2.44	12.20	2.45	12.81	2.46
	25	9.53	1.74	10.14	2.28	10.75	2.46	11.05	2.50	11.97	2.54	12.58	2.56
	32	8.99	2.34	9.60	2.76	10.21	2.90	10.52	2.93	11.43	3.00	12.04	3.06
	35	8.76	2.61	9.37	2.97	9.98	3.08	10.26	3.02	11.20	3.17	11.81	3.23
	40	8.38	2.87	8.99	3.09	9.60	3.14	9.90	3.15	10.82	3.20	11.43	3.26
	43	8.15	2.81	8.76	2.94	9.37	2.94	9.67	2.93	10.59	2.96	11.20	3.03
7 + 7 + 7 + 9 + 9	22	9.76	1.64	10.37	2.22	10.98	2.40	11.28	2.44	12.20	2.45	12.81	2.46
	25	9.53	1.74	10.14	2.28	10.75	2.46	11.05	2.50	11.97	2.54	12.58	2.56
	32	8.99	2.34	9.60	2.76	10.21	2.90	10.52	2.93	11.43	3.00	12.04	3.06
	35	8.76	2.61	9.37	2.97	9.98	3.08	10.26	3.02	11.20	3.17	11.81	3.23
	40	8.38	2.87	8.99	3.09	9.60	3.14	9.90	3.15	10.82	3.20	11.43	3.26
	43	8.15	2.81	8.76	2.94	9.37	2.94	9.67	2.93	10.59	2.96	11.20	3.03
7 + 7 + 7 + 9 + 12	22	9.76	1.64	10.37	2.22	10.98	2.40	11.28	2.44	12.20	2.45	12.81	2.46
	25	9.53	1.74	10.14	2.28	10.75	2.46	11.05	2.50	11.97	2.54	12.58	2.56
	32	8.99	2.34	9.60	2.76	10.21	2.90	10.52	2.93	11.43	3.00	12.04	3.06
	35	8.76	2.61	9.37	2.97	9.98	3.08	10.26	3.02	11.20	3.17	11.81	3.23
	40	8.38	2.87	8.99	3.09	9.60	3.14	9.90	3.15	10.82	3.20	11.43	3.26
	43	8.15	2.81	8.76	2.94	9.37	2.94	9.67	2.93	10.59	2.96	11.20	3.03
7 + 7 + 9 + 9 + 9	22	9.76	1.64	10.37	2.22	10.98	2.40	11.28	2.44	12.20	2.45	12.81	2.46
	25	9.53	1.74	10.14	2.28	10.75	2.46	11.05	2.50	11.97	2.54	12.58	2.56
	32	8.99	2.34	9.60	2.76	10.21	2.90	10.52	2.93	11.43	3.00	12.04	3.06
	35	8.76	2.61	9.37	2.97	9.98	3.08	10.26	3.02	11.20	3.17	11.81	3.23
	40	8.38	2.87	8.99	3.09	9.60	3.14	9.90	3.15	10.82	3.20	11.43	3.26
	43	8.15	2.81	8.76	2.94	9.37	2.94	9.67	2.93	10.59	2.96	11.20	3.03
7 + 9 + 9 + 9 + 9	22	9.76	1.64	10.37	2.22	10.98	2.40	11.28	2.44	12.20	2.45	12.81	2.46
	25	9.53	1.74	10.14	2.28	10.75	2.46	11.05	2.50	11.97	2.54	12.58	2.56
	32	8.99	2.34	9.60	2.76	10.21	2.90	10.52	2.93	11.43	3.00	12.04	3.06
	35	8.76	2.61	9.37	2.97	9.98	3.08	10.26	3.02	11.20	3.17	11.81	3.23
	40	8.38	2.87	8.99	3.09	9.60	3.14	9.90	3.15	10.82	3.20	11.43	3.26
	43	8.15	2.81	8.76	2.94	9.37	2.94	9.67	2.93	10.59	2.96	11.20	3.03

**Note**

1. DB : Dry bulb temperature(°C), WB : Wet bulb temperature(°C)
2. TC : Total capacity(kW)
3. PI : Power Input (kW, Compressor + indoor fan motor + outdoor fan motor)
4. All capacities are net. A deduction (cooling mode) or an addition (heating mode) of Capacity due to operating heat of indoor unit motor is reflected.
5. Capacities are based on the following conditions ;
  - Interconnecting Piping Length (Both Main pipe and Branch pipe) is standard length.
  - Difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. Direct interpolation is permissible. Do not extrapolate.
7. Rated capacities and power inputs are based on standard temperature and piping conditions, and it can be found on specifications table. Except for rated value, the performance is not guaranteed.
8. In accordance with the test standard(or nations) and indoor unit's combinations, the rating will vary slightly.







# 5. Capacity tables

Combination capacity index (kBtu/h)	Outdoor Air Temp. (°CDB)	Indoor Air Temp. (°CWB)											
		14		16		18		19		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
9 + 9 + 9 + 9 + 18	22	9.76	1.64	10.37	2.22	10.98	2.40	11.28	2.44	12.20	2.45	12.81	2.46
	25	9.53	1.74	10.14	2.28	10.75	2.46	11.05	2.50	11.97	2.54	12.58	2.56
	32	8.99	2.34	9.60	2.76	10.21	2.90	10.52	2.93	11.43	3.00	12.04	3.06
	35	8.76	2.61	9.37	2.97	9.98	3.08	10.26	3.02	11.20	3.17	11.81	3.23
	40	8.38	2.87	8.99	3.09	9.60	3.14	9.90	3.15	10.82	3.20	11.43	3.26
	43	8.15	2.81	8.76	2.94	9.37	2.94	9.67	2.93	10.59	2.96	11.20	3.03
	46	7.91	2.52	8.53	2.56	9.14	2.50	9.44	2.47	10.36	2.47	10.97	2.53
9 + 9 + 12 + 12 + 12	22	9.76	1.64	10.37	2.22	10.98	2.40	11.28	2.44	12.20	2.45	12.81	2.46
	25	9.53	1.74	10.14	2.28	10.75	2.46	11.05	2.50	11.97	2.54	12.58	2.56
	32	8.99	2.34	9.60	2.76	10.21	2.90	10.52	2.93	11.43	3.00	12.04	3.06
	35	8.76	2.61	9.37	2.97	9.98	3.08	10.26	3.02	11.20	3.17	11.81	3.23
	40	8.38	2.87	8.99	3.09	9.60	3.14	9.90	3.15	10.82	3.20	11.43	3.26
	43	8.15	2.81	8.76	2.94	9.37	2.94	9.67	2.93	10.59	2.96	11.20	3.03
	46	7.91	2.52	8.53	2.56	9.14	2.50	9.44	2.47	10.36	2.47	10.97	2.53

**Note**

1. DB : Dry bulb temperature(°C), WB : Wet bulb temperature(°C)
2. TC : Total capacity(kW)
3. PI : Power Input (kW, Compressor + indoor fan motor + outdoor fan motor)
4. All capacities are net. A deduction (cooling mode) or an addition (heating mode) of Capacity due to operating heat of indoor unit motor is reflected.
5. Capacities are based on the following conditions ;
  - Interconnecting Piping Length (Both Main pipe and Branch pipe) is standard length.
  - Difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. Direct interpolation is permissible. Do not extrapolate.
7. Rated capacities and power inputs are based on standard temperature and piping conditions, and it can be found on specifications table. Except for rated value, the performance is not guaranteed.
8. In accordance with the test standard(or nations) and indoor unit's combinations, the rating will vary slightly.















# 5. Capacity tables

Combination Capacity Index (kBtu/h)	Outdoor Air Temp. (°CWB)	Indoor Air Temp. (°CDB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
7+7+9+12	-15.0	6.56	2.86	6.51	3.01	6.46	3.16	6.44	3.23	6.42	3.30	6.38	3.45
	-10.0	7.77	3.16	7.73	3.30	7.68	3.45	7.66	3.52	7.64	3.60	7.60	3.74
	-5.0	8.99	3.45	8.94	3.60	8.89	3.74	8.87	3.81	8.85	3.89	8.81	4.03
	0.0	10.20	3.74	10.16	3.89	10.11	4.03	9.91	3.93	9.71	3.83	9.30	3.63
	6.0	11.19	3.06	10.65	2.92	10.11	2.78	9.91	2.71	9.71	2.64	9.30	2.50
	10.0	11.19	2.84	10.65	2.71	10.11	2.58	9.91	2.51	9.71	2.45	9.30	2.32
9+9+9+9	-15.0	6.56	2.86	6.51	3.01	6.46	3.16	6.44	3.23	6.42	3.30	6.38	3.45
	-10.0	7.77	3.16	7.73	3.30	7.68	3.45	7.66	3.52	7.64	3.60	7.60	3.74
	-5.0	8.99	3.45	8.94	3.60	8.89	3.74	8.87	3.81	8.85	3.89	8.81	4.03
	0.0	10.20	3.74	10.16	3.89	10.11	4.03	9.91	3.93	9.71	3.83	9.30	3.63
	6.0	11.19	3.06	10.65	2.92	10.11	2.78	9.91	2.71	9.71	2.64	9.30	2.50
	10.0	11.19	2.84	10.65	2.71	10.11	2.58	9.91	2.51	9.71	2.45	9.30	2.32
7+9+9+12	-15.0	6.56	2.86	6.51	3.01	6.46	3.16	6.44	3.23	6.42	3.30	6.38	3.45
	-10.0	7.77	3.16	7.73	3.30	7.68	3.45	7.66	3.52	7.64	3.60	7.60	3.74
	-5.0	8.99	3.45	8.94	3.60	8.89	3.74	8.87	3.81	8.85	3.89	8.81	4.03
	0.0	10.20	3.74	10.16	3.89	10.11	4.03	9.91	3.93	9.71	3.83	9.30	3.63
	6.0	11.19	3.06	10.65	2.92	10.11	2.78	9.91	2.71	9.71	2.64	9.30	2.50
	10.0	11.19	2.84	10.65	2.71	10.11	2.58	9.91	2.51	9.71	2.45	9.30	2.32
7+7+12+12	-15.0	6.56	2.86	6.51	3.01	6.46	3.16	6.44	3.23	6.42	3.30	6.38	3.45
	-10.0	7.77	3.16	7.73	3.30	7.68	3.45	7.66	3.52	7.64	3.60	7.60	3.74
	-5.0	8.99	3.45	8.94	3.60	8.89	3.74	8.87	3.81	8.85	3.89	8.81	4.03
	0.0	10.20	3.74	10.16	3.89	10.11	4.03	9.91	3.93	9.71	3.83	9.30	3.63
	6.0	11.19	3.06	10.65	2.92	10.11	2.78	9.91	2.71	9.71	2.64	9.30	2.50
	10.0	11.19	2.84	10.65	2.71	10.11	2.58	9.91	2.51	9.71	2.45	9.30	2.32
9+9+9+12	-15.0	6.56	2.86	6.51	3.01	6.46	3.16	6.44	3.23	6.42	3.30	6.38	3.45
	-10.0	7.77	3.16	7.73	3.30	7.68	3.45	7.66	3.52	7.64	3.60	7.60	3.74
	-5.0	8.99	3.45	8.94	3.60	8.89	3.74	8.87	3.81	8.85	3.89	8.81	4.03
	0.0	10.20	3.74	10.16	3.89	10.11	4.03	9.91	3.93	9.71	3.83	9.30	3.63
	6.0	11.19	3.06	10.65	2.92	10.11	2.78	9.91	2.71	9.71	2.64	9.30	2.50
	10.0	11.19	2.84	10.65	2.71	10.11	2.58	9.91	2.51	9.71	2.45	9.30	2.32
7+7+7+18	-15.0	6.56	2.86	6.51	3.01	6.46	3.16	6.44	3.23	6.42	3.30	6.38	3.45
	-10.0	7.77	3.16	7.73	3.30	7.68	3.45	7.66	3.52	7.64	3.60	7.60	3.74
	-5.0	8.99	3.45	8.94	3.60	8.89	3.74	8.87	3.81	8.85	3.89	8.81	4.03
	0.0	10.20	3.74	10.16	3.89	10.11	4.03	9.91	3.93	9.71	3.83	9.30	3.63
	6.0	11.19	3.06	10.65	2.92	10.11	2.78	9.91	2.71	9.71	2.64	9.30	2.50
	10.0	11.19	2.84	10.65	2.71	10.11	2.58	9.91	2.51	9.71	2.45	9.30	2.32
7+9+12+12	-15.0	6.56	2.86	6.51	3.01	6.46	3.16	6.44	3.23	6.42	3.30	6.38	3.45
	-10.0	7.77	3.16	7.73	3.30	7.68	3.45	7.66	3.52	7.64	3.60	7.60	3.74
	-5.0	8.99	3.45	8.94	3.60	8.89	3.74	8.87	3.81	8.85	3.89	8.81	4.03
	0.0	10.20	3.74	10.16	3.89	10.11	4.03	9.91	3.93	9.71	3.83	9.30	3.63
	6.0	11.19	3.06	10.65	2.92	10.11	2.78	9.91	2.71	9.71	2.64	9.30	2.50
	10.0	11.19	2.84	10.65	2.71	10.11	2.58	9.91	2.51	9.71	2.45	9.30	2.32
7+7+9+18	-15.0	6.56	2.86	6.51	3.01	6.46	3.16	6.44	3.23	6.42	3.30	6.38	3.45
	-10.0	7.77	3.16	7.73	3.30	7.68	3.45	7.66	3.52	7.64	3.60	7.60	3.74
	-5.0	8.99	3.45	8.94	3.60	8.89	3.74	8.87	3.81	8.85	3.89	8.81	4.03
	0.0	10.20	3.74	10.16	3.89	10.11	4.03	9.91	3.93	9.71	3.83	9.30	3.63
	6.0	11.19	3.06	10.65	2.92	10.11	2.78	9.91	2.71	9.71	2.64	9.30	2.50
	10.0	11.19	2.84	10.65	2.71	10.11	2.58	9.91	2.51	9.71	2.45	9.30	2.32
9+9+12+12	-15.0	6.56	2.86	6.51	3.01	6.46	3.16	6.44	3.23	6.42	3.30	6.38	3.45
	-10.0	7.77	3.16	7.73	3.30	7.68	3.45	7.66	3.52	7.64	3.60	7.60	3.74
	-5.0	8.99	3.45	8.94	3.60	8.89	3.74	8.87	3.81	8.85	3.89	8.81	4.03
	0.0	10.20	3.74	10.16	3.89	10.11	4.03	9.91	3.93	9.71	3.83	9.30	3.63
	6.0	11.19	3.06	10.65	2.92	10.11	2.78	9.91	2.71	9.71	2.64	9.30	2.50
	10.0	11.19	2.84	10.65	2.71	10.11	2.58	9.91	2.51	9.71	2.45	9.30	2.32

**Note**

1. DB : Dry bulb temperature(°C), WB : Wet bulb temperature(°C)
2. TC : Total capacity(kW)
3. PI : Power Input (kW, Compressor + indoor fan motor + outdoor fan motor)
4. All capacities are net. A deduction (cooling mode) or an addition (heating mode) of Capacity due to operating heat of indoor unit motor is reflected.
5. Capacities are based on the following conditions ;
  - Interconnecting Piping Length (Both Main pipe and Branch pipe) is standard length.
  - Difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. Direct interpolation is permissible. Do not extrapolate.
7. Rated capacities and power inputs are based on standard temperature and piping conditions, and it can be found on specifications table. Except for rated value, the performance is not guaranteed.
8. In accordance with the test standard(or nations) and indoor unit's combinations, the rating will vary slightly.

# 5. Capacity tables

Combination Capacity Index (kBtu/h)	Outdoor Air Temp. (°CWB)	Indoor Air Temp. (°CDB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
7+12+12+12	-15.0	6.56	2.86	6.51	3.01	6.46	3.16	6.44	3.23	6.42	3.30	6.38	3.45
	-10.0	7.77	3.16	7.73	3.30	7.68	3.45	7.66	3.52	7.64	3.60	7.60	3.74
	-5.0	8.99	3.45	8.94	3.60	8.89	3.74	8.87	3.81	8.85	3.89	8.81	4.03
	0.0	10.20	3.74	10.16	3.89	10.11	4.03	9.91	3.93	9.71	3.83	9.30	3.63
	6.0	11.19	3.06	10.65	2.92	10.11	2.78	9.91	2.71	9.71	2.64	9.30	2.50
	10.0	11.19	2.84	10.65	2.71	10.11	2.58	9.91	2.51	9.71	2.45	9.30	2.32
7+9+9+18	-15.0	6.56	2.86	6.51	3.01	6.46	3.16	6.44	3.23	6.42	3.30	6.38	3.45
	-10.0	7.77	3.16	7.73	3.30	7.68	3.45	7.66	3.52	7.64	3.60	7.60	3.74
	-5.0	8.99	3.45	8.94	3.60	8.89	3.74	8.87	3.81	8.85	3.89	8.81	4.03
	0.0	10.20	3.74	10.16	3.89	10.11	4.03	9.91	3.93	9.71	3.83	9.30	3.63
	6.0	11.19	3.06	10.65	2.92	10.11	2.78	9.91	2.71	9.71	2.64	9.30	2.50
	10.0	11.19	2.84	10.65	2.71	10.11	2.58	9.91	2.51	9.71	2.45	9.30	2.32
7+7+12+18	-15.0	6.56	2.86	6.51	3.01	6.46	3.16	6.44	3.23	6.42	3.30	6.38	3.45
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	-5.0	8.99	3.45	8.94	3.60	8.89	3.74	8.87	3.81	8.85	3.89	8.81	4.03
	0.0	10.20	3.74	10.16	3.89	10.11	4.03	9.91	3.93	9.71	3.83	9.30	3.63
	6.0	11.19	3.06	10.65	2.92	10.11	2.78	9.91	2.71	9.71	2.64	9.30	2.50
	10.0	11.19	2.84	10.65	2.71	10.11	2.58	9.91	2.51	9.71	2.45	9.30	2.32
9+12+12+12	-15.0	6.56	2.86	6.51	3.01	6.46	3.16	6.44	3.23	6.42	3.30	6.38	3.45
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	-5.0	8.99	3.45	8.94	3.60	8.89	3.74	8.87	3.81	8.85	3.89	8.81	4.03
	0.0	10.20	3.74	10.16	3.89	10.11	4.03	9.91	3.93	9.71	3.83	9.30	3.63
	6.0	11.19	3.06	10.65	2.92	10.11	2.78	9.91	2.71	9.71	2.64	9.30	2.50
	10.0	11.19	2.84	10.65	2.71	10.11	2.58	9.91	2.51	9.71	2.45	9.30	2.32
9+9+9+18	-15.0	6.56	2.86	6.51	3.01	6.46	3.16	6.44	3.23	6.42	3.30	6.38	3.45
	-10.0	7.77	3.16	7.73	3.30	7.68	3.45	7.66	3.52	7.64	3.60	7.60	3.74
	-5.0	8.99	3.45	8.94	3.60	8.89	3.74	8.87	3.81	8.85	3.89	8.81	4.03
	0.0	10.20	3.74	10.16	3.89	10.11	4.03	9.91	3.93	9.71	3.83	9.30	3.63
	6.0	11.19	3.06	10.65	2.92	10.11	2.78	9.91	2.71	9.71	2.64	9.30	2.50
	10.0	11.19	2.84	10.65	2.71	10.11	2.58	9.91	2.51	9.71	2.45	9.30	2.32
7+7+7+24	-15.0	6.56	2.86	6.51	3.01	6.46	3.16	6.44	3.23	6.42	3.30	6.38	3.45
	-10.0	7.77	3.16	7.73	3.30	7.68	3.45	7.66	3.52	7.64	3.60	7.60	3.74
	-5.0	8.99	3.45	8.94	3.60	8.89	3.74	8.87	3.81	8.85	3.89	8.81	4.03
	0.0	10.20	3.74	10.16	3.89	10.11	4.03	9.91	3.93	9.71	3.83	9.30	3.63
	6.0	11.19	3.06	10.65	2.92	10.11	2.78	9.91	2.71	9.71	2.64	9.30	2.50
	10.0	11.19	2.84	10.65	2.71	10.11	2.58	9.91	2.51	9.71	2.45	9.30	2.32
7+9+12+18	-15.0	6.56	2.86	6.51	3.01	6.46	3.16	6.44	3.23	6.42	3.30	6.38	3.45
	-10.0	7.77	3.16	7.73	3.30	7.68	3.45	7.66	3.52	7.64	3.60	7.60	3.74
	-5.0	8.99	3.45	8.94	3.60	8.89	3.74	8.87	3.81	8.85	3.89	8.81	4.03
	0.0	10.20	3.74	10.16	3.89	10.11	4.03	9.91	3.93	9.71	3.83	9.30	3.63
	6.0	11.19	3.06	10.65	2.92	10.11	2.78	9.91	2.71	9.71	2.64	9.30	2.50
	10.0	11.19	2.84	10.65	2.71	10.11	2.58	9.91	2.51	9.71	2.45	9.30	2.32
7+7+9+24	-15.0	6.56	2.86	6.51	3.01	6.46	3.16	6.44	3.23	6.42	3.30	6.38	3.45
	-10.0	7.77	3.16	7.73	3.30	7.68	3.45	7.66	3.52	7.64	3.60	7.60	3.74
	-5.0	8.99	3.45	8.94	3.60	8.89	3.74	8.87	3.81	8.85	3.89	8.81	4.03
	0.0	10.20	3.74	10.16	3.89	10.11	4.03	9.91	3.93	9.71	3.83	9.30	3.63
	6.0	11.19	3.06	10.65	2.92	10.11	2.78	9.91	2.71	9.71	2.64	9.30	2.50
	10.0	11.19	2.84	10.65	2.71	10.11	2.58	9.91	2.51	9.71	2.45	9.30	2.32
12+12+12+12	-15.0	6.56	2.86	6.51	3.01	6.46	3.16	6.44	3.23	6.42	3.30	6.38	3.45
	-10.0	7.77	3.16	7.73	3.30	7.68	3.45	7.66	3.52	7.64	3.60	7.60	3.74
	-5.0	8.99	3.45	8.94	3.60	8.89	3.74	8.87	3.81	8.85	3.89	8.81	4.03
	0.0	10.20	3.74	10.16	3.89	10.11	4.03	9.91	3.93	9.71	3.83	9.30	3.63
	6.0	11.19	3.06	10.65	2.92	10.11	2.78	9.91	2.71	9.71	2.64	9.30	2.50
	10.0	11.19	2.84	10.65	2.71	10.11	2.58	9.91	2.51	9.71	2.45	9.30	2.32

**Note**

1. DB : Dry bulb temperature(°C), WB : Wet bulb temperature(°C)
2. TC : Total capacity(kW)
3. PI : Power Input (kW, Compressor + indoor fan motor + outdoor fan motor)
4. All capacities are net. A deduction (cooling mode) or an addition (heating mode) of Capacity due to operating heat of indoor unit motor is reflected.
5. Capacities are based on the following conditions ;
  - Interconnecting Piping Length (Both Main pipe and Branch pipe) is standard length.
  - Difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. Direct interpolation is permissible. Do not extrapolate.
7. Rated capacities and power inputs are based on standard temperature and piping conditions, and it can be found on specifications table. Except for rated value, the performance is not guaranteed.
8. In accordance with the test standard(or nations) and indoor unit's combinations, the rating will vary slightly.









# 5. Capacity tables

Combination Capacity Index (kBtu/h)	Outdoor Air Temp. (°CWB)	Indoor Air Temp. (°CDB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
9+9+9+9+18	-15.0	6.56	2.58	6.51	2.71	6.46	2.84	6.44	2.91	6.42	2.97	6.38	3.10
	-10.0	7.77	2.84	7.73	2.97	7.68	3.10	7.66	3.17	7.64	3.24	7.60	3.37
	-5.0	8.99	3.10	8.94	3.24	8.89	3.37	8.87	3.43	8.85	3.50	8.81	3.63
	0.0	10.20	3.37	10.16	3.50	10.11	3.63	9.91	3.54	9.71	3.45	9.30	3.27
	6.0	11.19	2.75	10.65	2.63	10.11	2.50	9.91	2.44	9.71	2.38	9.30	2.25
	10.0	11.19	2.55	10.65	2.44	10.11	2.32	9.91	2.26	9.71	2.20	9.30	2.09
	15.0	11.19	2.30	10.65	2.19	10.11	2.09	9.91	2.04	9.71	1.99	9.30	1.88
9+9+12+12+12	-15.0	6.56	2.58	6.51	2.71	6.46	2.84	6.44	2.91	6.42	2.97	6.38	3.10
	-10.0	7.77	2.84	7.73	2.97	7.68	3.10	7.66	3.17	7.64	3.24	7.60	3.37
	-5.0	8.99	3.10	8.94	3.24	8.89	3.37	8.87	3.43	8.85	3.50	8.81	3.63
	0.0	10.20	3.37	10.16	3.50	10.11	3.63	9.91	3.54	9.71	3.45	9.30	3.27
	6.0	11.19	2.75	10.65	2.63	10.11	2.50	9.91	2.44	9.71	2.38	9.30	2.25
	10.0	11.19	2.55	10.65	2.44	10.11	2.32	9.91	2.26	9.71	2.20	9.30	2.09
	15.0	11.19	2.30	10.65	2.19	10.11	2.09	9.91	2.04	9.71	1.99	9.30	1.88

**Note**

1. DB : Dry bulb temperature(°C), WB : Wet bulb temperature(°C)
2. TC : Total capacity(kW)
3. PI : Power Input (kW, Compressor + indoor fan motor + outdoor fan motor)
4. All capacities are net. A deduction (cooling mode) or an addition (heating mode) of Capacity due to operating heat of indoor unit motor is reflected.
5. Capacities are based on the following conditions ;
  - Interconnecting Piping Length (Both Main pipe and Branch pipe) is standard length.
  - Difference of Elevation (Outdoor ~ Indoor Unit) is Zero.
6. Direct interpolation is permissible. Do not extrapolate.
7. Rated capacities and power inputs are based on standard temperature and piping conditions, and it can be found on specifications table. Except for rated value, the performance is not guaranteed.
8. In accordance with the test standard(or nations) and indoor unit's combinations, the rating will vary slightly.





### 5. Capacity tables

Combination capacity index (kBTu/h)	Outdoor Air Temp. (°CDB)	Indoor Air Temp. (°CWB)											
		14		16		18		19		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
12 + 12	22	6.69	1.40	7.11	1.90	7.53	2.05	7.74	2.08	8.36	2.10	8.78	2.10
	25	6.53	1.49	6.95	1.95	7.37	2.10	7.58	2.13	8.21	2.17	8.62	2.19
	32	6.16	2.00	6.58	2.36	7.00	2.48	7.21	2.51	7.84	2.57	8.26	2.61
	35	6.01	2.23	6.42	2.54	6.84	2.63	7.03	2.58	7.68	2.71	8.10	2.76
	40	5.74	2.45	6.16	2.64	6.58	2.68	6.79	2.69	7.42	2.73	7.83	2.79
	43	5.58	2.40	6.00	2.52	6.42	2.51	6.63	2.51	7.26	2.53	7.68	2.59
7 + 18	22	6.97	1.48	7.40	1.99	7.84	2.16	8.06	2.19	8.71	2.20	9.15	2.21
	25	6.80	1.57	7.24	2.05	7.68	2.21	7.89	2.24	8.55	2.28	8.98	2.30
	32	6.42	2.10	6.86	2.48	7.29	2.61	7.51	2.63	8.16	2.70	8.60	2.75
	35	6.26	2.35	6.69	2.67	7.13	2.76	7.33	2.72	8.00	2.85	8.43	2.90
	40	5.98	2.58	6.42	2.78	6.85	2.82	7.07	2.82	7.72	2.87	8.16	2.93
	43	5.82	2.53	6.25	2.64	6.69	2.64	6.91	2.63	7.56	2.66	8.00	2.72
9 + 18	22	7.53	1.62	8.00	2.19	8.47	2.37	8.70	2.40	9.41	2.42	9.88	2.42
	25	7.35	1.72	7.82	2.25	8.29	2.43	8.52	2.46	9.23	2.51	9.70	2.53
	32	6.93	2.31	7.40	2.72	7.87	2.86	8.11	2.89	8.82	2.96	9.29	3.01
	35	6.76	2.58	7.23	2.93	7.70	3.03	7.91	2.98	8.64	3.12	9.11	3.19
	40	6.46	2.83	6.93	3.05	7.40	3.09	7.64	3.10	8.34	3.15	8.81	3.22
	43	6.28	2.77	6.75	2.90	7.22	2.90	7.46	2.89	8.16	2.92	8.64	2.98
12 + 18	22	8.36	1.84	8.89	2.48	9.41	2.68	9.67	2.72	10.45	2.74	10.98	2.74
	25	8.16	1.95	8.69	2.55	9.21	2.75	9.47	2.79	10.26	2.84	10.78	2.86
	32	7.70	2.62	8.23	3.09	8.75	3.24	9.01	3.28	9.80	3.35	10.32	3.42
	35	7.51	2.92	8.03	3.32	8.55	3.44	8.79	3.38	9.60	3.54	10.12	3.61
	40	7.18	3.21	7.70	3.46	8.22	3.50	8.49	3.51	9.27	3.57	9.79	3.65
	43	6.98	3.14	7.50	3.29	8.03	3.28	8.29	3.28	9.07	3.31	9.59	3.38
7 + 24	22	8.64	1.91	9.18	2.58	9.72	2.79	9.99	2.83	10.80	2.85	11.34	2.85
	25	8.44	2.03	8.98	2.65	9.52	2.86	9.79	2.90	10.60	2.95	11.14	2.98
	32	7.96	2.72	8.50	3.21	9.04	3.37	9.31	3.41	10.12	3.49	10.66	3.55
	35	7.76	3.04	8.30	3.45	8.84	3.57	9.09	3.51	9.92	3.68	10.46	3.75
	40	7.42	3.33	7.96	3.59	8.50	3.64	8.77	3.65	9.58	3.71	10.12	3.79
	43	7.21	3.27	7.75	3.42	8.29	3.41	8.56	3.40	9.37	3.44	9.91	3.51
9 + 24	22	9.20	2.05	9.77	2.77	10.35	3.00	10.64	3.04	11.50	3.06	12.07	3.07
	25	8.98	2.18	9.56	2.85	10.13	3.07	10.42	3.12	11.28	3.17	11.86	3.20
	32	8.47	2.93	9.05	3.45	9.62	3.62	9.91	3.66	10.78	3.75	11.35	3.82
	35	8.26	3.26	8.83	3.71	9.41	3.84	9.67	3.78	10.56	3.96	11.13	4.04
	40	7.90	3.58	8.47	3.86	9.05	3.92	9.33	3.93	10.20	3.99	10.77	4.07
	43	7.68	3.51	8.25	3.68	8.83	3.67	9.12	3.66	9.98	3.70	10.55	3.78
12 + 24	22	10.03	2.27	10.66	3.06	11.29	3.32	11.60	3.36	12.54	3.39	13.17	3.39
	25	9.80	2.41	10.43	3.15	11.05	3.40	11.37	3.45	12.31	3.51	12.94	3.54
	32	9.24	3.23	9.87	3.81	10.50	4.00	10.81	4.05	11.76	4.14	12.38	4.22
	35	9.01	3.61	9.64	4.10	10.26	4.24	10.55	4.17	11.52	4.37	12.15	4.46
	40	8.61	3.96	9.24	4.27	9.87	4.33	10.18	4.34	11.12	4.41	11.75	4.50
	43	8.38	3.88	9.00	4.06	9.63	4.06	9.95	4.05	10.89	4.09	11.51	4.18
18 + 18	22	10.03	2.27	10.66	3.06	11.29	3.32	11.60	3.36	12.54	3.39	13.17	3.39
	25	9.80	2.41	10.43	3.15	11.05	3.40	11.37	3.45	12.31	3.51	12.94	3.54
	32	9.24	3.23	9.87	3.81	10.50	4.00	10.81	4.05	11.76	4.14	12.38	4.22
	35	9.01	3.61	9.64	4.10	10.26	4.24	10.55	4.17	11.52	4.37	12.15	4.46
	40	8.61	3.96	9.24	4.27	9.87	4.33	10.18	4.34	11.12	4.41	11.75	4.50
	43	8.38	3.88	9.00	4.06	9.63	4.06	9.95	4.05	10.89	4.09	11.51	4.18
18 + 24	22	10.65	2.48	11.31	3.35	11.98	3.63	12.31	3.68	13.31	3.71	13.98	3.71
	25	10.40	2.64	11.06	3.45	11.73	3.72	12.06	3.78	13.06	3.84	13.73	3.87
	32	9.81	3.54	10.48	4.18	11.14	4.38	11.47	4.43	12.47	4.54	13.14	4.62
	35	9.56	3.95	10.22	4.49	10.89	4.65	11.20	4.57	12.22	4.79	12.89	4.89
	40	9.14	4.34	9.81	4.67	10.47	4.74	10.80	4.75	11.80	4.83	12.47	4.93
	43	8.89	4.25	9.55	4.45	10.22	4.44	10.55	4.43	11.55	4.48	12.22	4.58
24 + 24	22	10.94	2.52	11.62	3.40	12.31	3.69	12.65	3.74	13.67	3.77	14.36	3.77
	25	10.68	2.68	11.36	3.51	12.05	3.78	12.39	3.83	13.42	3.90	14.10	3.93
	32	10.08	3.60	10.76	4.24	11.44	4.45	11.79	4.50	12.81	4.61	13.50	4.69
	35	9.82	4.01	10.50	4.55	11.19	4.72	11.50	4.64	12.55	4.86	13.24	4.96
	40	9.39	4.40	10.07	4.75	10.76	4.81	11.10	4.83	12.12	4.90	12.81	5.01
	43	9.13	4.32	9.81	4.52	10.50	4.51	10.84	4.50	11.87	4.54	12.55	4.65
3 Unit Operation 7 + 7 + 7	22	8.87	3.87	9.56	3.92	10.24	3.83	10.58	3.79	11.61	3.79	12.29	3.88
	25	8.87	3.87	9.56	3.92	10.24	3.83	10.58	3.79	11.61	3.79	12.29	3.88
	25	5.85	0.89	6.22	1.21	6.59	1.31	6.77	1.33	7.32	1.34	7.68	1.34
	25	5.72	0.95	6.08	1.24	6.45	1.34	6.63	1.36	7.18	1.38	7.55	1.40
	32	5.39	1.28	5.76	1.50	6.12	1.58	6.31	1.60	6.86	1.63	7.22	1.66
	35	5.25	1.42	5.62	1.62	5.99	1.67	6.15	1.65	6.72	1.73	7.09	1.76
40	5.02	1.56	5.39	1.68	5.76	1.71	5.94	1.71	6.49	1.74	6.85	1.78	
43	4.89	1.53	5.25	1.60	5.62	1.60	5.80	1.60	6.35	1.61	6.72	1.65	
46	4.75	1.37	5.11	1.39	5.48	1.36	5.66	1.35	6.21	1.35	6.58	1.38	

# 5. Capacity tables

Combination capacity index (kBTU/h)	Outdoor Air Temp. (°CDB)	Indoor Air Temp. (°CWB)											
		14		16		18		19		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
7 + 7 + 9	22	6.41	1.02	6.81	1.38	7.21	1.49	7.41	1.51	8.01	1.52	8.42	1.53
	25	6.26	1.08	6.66	1.42	7.06	1.53	7.26	1.55	7.86	1.58	8.26	1.59
	32	5.91	1.46	6.31	1.72	6.71	1.80	6.91	1.82	7.51	1.86	7.91	1.90
	35	5.76	1.62	6.16	1.84	6.56	1.91	6.74	1.88	7.36	1.97	7.76	2.01
	40	5.50	1.78	5.90	1.92	6.30	1.95	6.51	1.95	7.11	1.98	7.51	2.03
	43	5.35	1.75	5.75	1.83	6.15	1.83	6.35	1.82	6.96	1.84	7.36	1.88
46	5.20	1.57	5.60	1.59	6.00	1.55	6.20	1.53	6.80	1.54	7.20	1.57	
7 + 9 + 9	22	6.97	1.15	7.40	1.55	7.84	1.68	8.06	1.70	8.71	1.71	9.15	1.71
	25	6.80	1.22	7.24	1.59	7.68	1.72	7.89	1.74	8.55	1.77	8.98	1.79
	32	6.42	1.64	6.86	1.93	7.29	2.02	7.51	2.05	8.16	2.10	8.60	2.13
	35	6.26	1.82	6.69	2.07	7.13	2.15	7.33	2.11	8.00	2.21	8.43	2.26
	40	5.98	2.00	6.42	2.16	6.85	2.19	7.07	2.19	7.72	2.23	8.16	2.28
	43	5.82	1.96	6.25	2.05	6.69	2.05	6.91	2.05	7.56	2.07	8.00	2.11
46	5.65	1.76	6.09	1.78	6.52	1.74	6.74	1.72	7.40	1.73	7.83	1.77	
7 + 7 + 12	22	7.25	1.21	7.70	1.63	8.15	1.77	8.38	1.79	9.06	1.81	9.51	1.81
	25	7.08	1.28	7.53	1.68	7.98	1.81	8.21	1.84	8.89	1.87	9.34	1.89
	32	6.68	1.73	7.13	2.03	7.58	2.14	7.81	2.16	8.49	2.21	8.94	2.25
	35	6.51	1.92	6.96	2.19	7.41	2.26	7.62	2.23	8.32	2.33	8.77	2.38
	40	6.22	2.11	6.67	2.28	7.13	2.31	7.35	2.32	8.03	2.35	8.49	2.40
	43	6.05	2.07	6.50	2.17	6.96	2.16	7.18	2.16	7.86	2.18	8.32	2.23
46	5.88	1.86	6.33	1.88	6.78	1.84	7.01	1.82	7.69	1.82	8.14	1.86	
9 + 9 + 9	22	7.53	1.27	8.00	1.72	8.47	1.86	8.70	1.89	9.41	1.90	9.88	1.90
	25	7.35	1.35	7.82	1.77	8.29	1.91	8.52	1.94	9.23	1.97	9.70	1.99
	32	6.93	1.81	7.40	2.14	7.87	2.25	8.11	2.27	8.82	2.33	9.29	2.37
	35	6.76	2.03	7.23	2.30	7.70	2.38	7.91	2.34	8.64	2.46	9.11	2.50
	40	6.46	2.22	6.93	2.40	7.40	2.43	7.64	2.44	8.34	2.47	8.81	2.53
	43	6.28	2.18	6.75	2.28	7.22	2.28	7.46	2.27	8.16	2.29	8.64	2.35
46	6.10	1.96	6.58	1.98	7.05	1.93	7.28	1.91	7.99	1.91	8.46	1.96	
7 + 9 + 12	22	7.80	1.34	8.29	1.80	8.78	1.95	9.02	1.98	9.76	2.00	10.25	2.00
	25	7.62	1.42	8.11	1.86	8.60	2.00	8.84	2.03	9.57	2.07	10.06	2.08
	32	7.19	1.90	7.68	2.25	8.17	2.36	8.41	2.38	9.14	2.44	9.63	2.49
	35	7.01	2.13	7.49	2.41	7.98	2.50	8.21	2.46	8.96	2.58	9.45	2.63
	40	6.70	2.33	7.19	2.51	7.68	2.55	7.92	2.56	8.65	2.60	9.14	2.65
	43	6.51	2.29	7.00	2.39	7.49	2.39	7.74	2.38	8.47	2.41	8.96	2.46
46	6.33	2.05	6.82	2.08	7.31	2.03	7.55	2.01	8.28	2.01	8.77	2.06	
9 + 9 + 12	22	8.36	1.46	8.89	1.97	9.41	2.14	9.67	2.17	10.45	2.18	10.98	2.19
	25	8.16	1.55	8.69	2.03	9.21	2.19	9.47	2.22	10.26	2.26	10.78	2.28
	32	7.70	2.08	8.23	2.46	8.75	2.58	9.01	2.61	9.80	2.67	10.32	2.72
	35	7.51	2.33	8.03	2.64	8.55	2.74	8.79	2.69	9.60	2.82	10.12	2.88
	40	7.18	2.55	7.70	2.75	8.22	2.79	8.49	2.80	9.27	2.84	9.79	2.90
	43	6.98	2.50	7.50	2.62	8.03	2.62	8.29	2.61	9.07	2.64	9.59	2.69
46	6.78	2.25	7.31	2.27	7.83	2.22	8.09	2.20	8.87	2.20	9.40	2.25	
7 + 12 + 12	22	8.64	1.52	9.18	2.06	9.72	2.23	9.99	2.26	10.80	2.28	11.34	2.28
	25	8.44	1.62	8.98	2.12	9.52	2.29	9.79	2.32	10.60	2.36	11.14	2.38
	32	7.96	2.17	8.50	2.56	9.04	2.69	9.31	2.72	10.12	2.79	10.66	2.84
	35	7.76	2.43	8.30	2.75	8.84	2.86	9.09	2.81	9.92	2.94	10.46	3.00
	40	7.42	2.66	7.96	2.87	8.50	2.91	8.77	2.92	9.58	2.97	10.12	3.03
	43	7.21	2.61	7.75	2.73	8.29	2.73	8.56	2.72	9.37	2.75	9.91	2.81
46	7.01	2.34	7.55	2.37	8.09	2.32	8.36	2.29	9.17	2.29	9.71	2.35	
7 + 7 + 18	22	8.92	1.59	9.48	2.14	10.04	2.32	10.31	2.35	11.15	2.37	11.71	2.37
	25	8.71	1.69	9.27	2.21	9.82	2.38	10.10	2.41	10.94	2.46	11.50	2.48
	32	8.22	2.26	8.78	2.67	9.33	2.80	9.61	2.83	10.45	2.90	11.01	2.96
	35	8.01	2.53	8.56	2.87	9.12	2.97	9.38	2.92	10.24	3.06	10.80	3.13
	40	7.66	2.77	8.21	2.99	8.77	3.03	9.05	3.04	9.89	3.09	10.45	3.15
	43	7.45	2.72	8.00	2.85	8.56	2.84	8.84	2.83	9.68	2.86	10.23	2.93
46	7.23	2.44	7.79	2.47	8.35	2.41	8.63	2.39	9.47	2.39	10.02	2.45	
9 + 12 + 12	22	9.20	1.65	9.77	2.23	10.35	2.41	10.64	2.45	11.50	2.47	12.07	2.47
	25	8.98	1.75	9.56	2.30	10.13	2.47	10.42	2.51	11.28	2.55	11.86	2.58
	32	8.47	2.35	9.05	2.78	9.62	2.92	9.91	2.95	10.78	3.02	11.35	3.07
	35	8.26	2.63	8.83	2.98	9.41	3.09	9.67	3.04	10.56	3.19	11.13	3.25
	40	7.90	2.88	8.47	3.11	9.05	3.15	9.33	3.16	10.20	3.21	10.77	3.28
	43	7.68	2.83	8.25	2.96	8.83	2.95	9.12	2.95	9.98	2.98	10.55	3.04
46	7.46	2.54	8.04	2.57	8.61	2.51	8.90	2.48	9.76	2.48	10.34	2.54	
7 + 9 + 18	22	9.48	1.71	10.07	2.31	10.66	2.51	10.96	2.54	11.85	2.56	12.44	2.56
	25	9.25	1.82	9.85	2.38	10.44	2.57	10.74	2.61	11.62	2.65	12.22	2.67
	32	8.73	2.44	9.32	2.88	9.92	3.03	10.21	3.06	11.10	3.13	11.69	3.19
	35	8.51	2.73	9.10	3.10	9.69	3.21	9.96	3.15	10.88	3.31	11.47	3.37
	40	8.13	2.99	8.73	3.23	9.32	3.27	9.62	3.28	10.51	3.33	11.10	3.40
	43	7.91	2.93	8.50	3.07	9.10	3.07	9.39	3.06	10.28	3.09	10.87	3.16
46	7.69	2.63	8.28	2.67	8.87	2.60	9.17	2.58	10.06	2.58	10.65	2.64	
9 + 9 + 18	22	10.03	1.84	10.66	2.49	11.29	2.69	11.60	2.73	12.54	2.75	13.17	2.75
	25	9.80	1.95	10.43	2.56	11.05	2.76	11.37	2.80	12.31	2.85	12.94	2.87
	32	9.24	2.62	9.87	3.09	10.50	3.25	10.81	3.29	11.76	3.36	12.38	3.42
	35	9.01	2.93	9.64	3.32	10.26	3.45	10.55	3.39	11.52	3.55	12.15	3.62
	40	8.61	3.22	9.24	3.46	9.87	3.51	10.18	3.52	11.12	3.58	11.75	3.65
	43	8.38	3.15	9.00	3.30	9.63	3.29	9.95	3.28	10.89	3.32	11.51	3.39
46	8.14	2.83	8.77	2.86	9.39	2.79	9.71	2.77	10.65	2.77	11.28	2.84	

# 5. Capacity tables

Combination capacity index (kBtu/h)	Outdoor Air Temp. (°CDB)	Indoor Air Temp. (°CWB)											
		14		16		18		19		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
12 + 12 + 12	22	10.03	1.84	10.66	2.49	11.29	2.69	11.60	2.73	12.54	2.75	13.17	2.75
	25	9.80	1.95	10.43	2.56	11.05	2.76	11.37	2.80	12.31	2.85	12.94	2.87
	32	9.24	2.62	9.87	3.09	10.50	3.25	10.81	3.29	11.76	3.36	12.38	3.42
	35	9.01	2.93	9.64	3.32	10.26	3.45	10.55	3.39	11.52	3.55	12.15	3.62
	40	8.61	3.22	9.24	3.46	9.87	3.51	10.18	3.52	11.12	3.58	11.75	3.65
	43	8.38	3.15	9.00	3.30	9.63	3.29	9.95	3.28	10.89	3.32	11.51	3.39
7 + 12 + 18	22	10.31	1.90	10.96	2.57	11.60	2.78	11.93	2.82	12.89	2.84	13.54	2.84
	25	10.07	2.02	10.71	2.65	11.36	2.85	11.68	2.89	12.65	2.94	13.29	2.97
	32	9.50	2.71	10.15	3.20	10.79	3.36	11.11	3.40	12.08	3.48	12.73	3.54
	35	9.26	3.03	9.90	3.44	10.55	3.56	10.84	3.50	11.84	3.67	12.48	3.75
	40	8.85	3.33	9.50	3.58	10.14	3.63	10.46	3.64	11.43	3.70	12.08	3.78
	43	8.61	3.26	9.25	3.41	9.90	3.40	10.22	3.40	11.19	3.43	11.83	3.51
7 + 7 + 24	22	10.59	1.97	11.25	2.66	11.92	2.88	12.25	2.91	13.24	2.94	13.90	2.94
	25	10.34	2.09	11.00	2.73	11.67	2.95	12.00	2.99	12.99	3.04	13.65	3.07
	32	9.76	2.80	10.42	3.31	11.08	3.47	11.41	3.51	12.41	3.59	13.07	3.66
	35	9.51	3.13	10.17	3.55	10.83	3.68	11.14	3.62	12.16	3.79	12.82	3.87
	40	9.09	3.44	9.75	3.70	10.42	3.75	10.75	3.76	11.74	3.82	12.40	3.91
	43	8.84	3.37	9.50	3.52	10.17	3.52	10.50	3.51	11.49	3.54	12.15	3.62
9 + 12 + 18	22	10.65	2.03	11.31	2.74	11.98	2.97	12.31	3.01	13.31	3.03	13.98	3.03
	25	10.40	2.15	11.06	2.82	11.73	3.04	12.06	3.09	13.06	3.14	13.73	3.17
	32	9.81	2.89	10.48	3.41	11.14	3.58	11.47	3.62	12.47	3.71	13.14	3.78
	35	9.56	3.23	10.22	3.67	10.89	3.80	11.20	3.74	12.22	3.92	12.89	3.99
	40	9.14	3.55	9.81	3.82	10.47	3.87	10.80	3.88	11.80	3.95	12.47	4.03
	43	8.89	3.47	9.55	3.64	10.22	3.63	10.55	3.62	11.55	3.66	12.22	3.74
7 + 9 + 24	22	10.65	2.03	11.31	2.74	11.98	2.97	12.31	3.01	13.31	3.03	13.98	3.03
	25	10.40	2.15	11.06	2.82	11.73	3.04	12.06	3.09	13.06	3.14	13.73	3.17
	32	9.81	2.89	10.48	3.41	11.14	3.58	11.47	3.62	12.47	3.71	13.14	3.78
	35	9.56	3.23	10.22	3.67	10.89	3.80	11.20	3.74	12.22	3.92	12.89	3.99
	40	9.14	3.55	9.81	3.82	10.47	3.87	10.80	3.88	11.80	3.95	12.47	4.03
	43	8.89	3.47	9.55	3.64	10.22	3.63	10.55	3.62	11.55	3.66	12.22	3.74
9 + 9 + 24	22	10.65	2.03	11.31	2.74	11.98	2.97	12.31	3.01	13.31	3.03	13.98	3.03
	25	10.40	2.15	11.06	2.82	11.73	3.04	12.06	3.09	13.06	3.14	13.73	3.17
	32	9.81	2.89	10.48	3.41	11.14	3.58	11.47	3.62	12.47	3.71	13.14	3.78
	35	9.56	3.23	10.22	3.67	10.89	3.80	11.20	3.74	12.22	3.92	12.89	3.99
	40	9.14	3.55	9.81	3.82	10.47	3.87	10.80	3.88	11.80	3.95	12.47	4.03
	43	8.89	3.47	9.55	3.64	10.22	3.63	10.55	3.62	11.55	3.66	12.22	3.74
12 + 12 + 18	22	10.65	2.03	11.31	2.74	11.98	2.97	12.31	3.01	13.31	3.03	13.98	3.03
	25	10.40	2.15	11.06	2.82	11.73	3.04	12.06	3.09	13.06	3.14	13.73	3.17
	32	9.81	2.89	10.48	3.41	11.14	3.58	11.47	3.62	12.47	3.71	13.14	3.78
	35	9.56	3.23	10.22	3.67	10.89	3.80	11.20	3.74	12.22	3.92	12.89	3.99
	40	9.14	3.55	9.81	3.82	10.47	3.87	10.80	3.88	11.80	3.95	12.47	4.03
	43	8.89	3.47	9.55	3.64	10.22	3.63	10.55	3.62	11.55	3.66	12.22	3.74
7 + 12 + 24	22	10.65	2.03	11.31	2.74	11.98	2.97	12.31	3.01	13.31	3.03	13.98	3.03
	25	10.40	2.15	11.06	2.82	11.73	3.04	12.06	3.09	13.06	3.14	13.73	3.17
	32	9.81	2.89	10.48	3.41	11.14	3.58	11.47	3.62	12.47	3.71	13.14	3.78
	35	9.56	3.23	10.22	3.67	10.89	3.80	11.20	3.74	12.22	3.92	12.89	3.99
	40	9.14	3.55	9.81	3.82	10.47	3.87	10.80	3.88	11.80	3.95	12.47	4.03
	43	8.89	3.47	9.55	3.64	10.22	3.63	10.55	3.62	11.55	3.66	12.22	3.74
7 + 18 + 18	22	10.65	2.03	11.31	2.74	11.98	2.97	12.31	3.01	13.31	3.03	13.98	3.03
	25	10.40	2.15	11.06	2.82	11.73	3.04	12.06	3.09	13.06	3.14	13.73	3.17
	32	9.81	2.89	10.48	3.41	11.14	3.58	11.47	3.62	12.47	3.71	13.14	3.78
	35	9.56	3.23	10.22	3.67	10.89	3.80	11.20	3.74	12.22	3.92	12.89	3.99
	40	9.14	3.55	9.81	3.82	10.47	3.87	10.80	3.88	11.80	3.95	12.47	4.03
	43	8.89	3.47	9.55	3.64	10.22	3.63	10.55	3.62	11.55	3.66	12.22	3.74
9 + 12 + 24	22	10.94	2.22	11.62	2.99	12.31	3.24	12.65	3.29	13.67	3.31	14.36	3.31
	25	10.68	2.35	11.36	3.08	12.05	3.32	12.39	3.37	13.42	3.43	14.10	3.46
	32	10.08	3.16	10.76	3.73	11.44	3.91	11.79	3.96	12.81	4.05	13.50	4.13
	35	9.82	3.53	10.50	4.00	11.19	4.15	11.50	4.08	12.55	4.28	13.24	4.36
	40	9.39	3.87	10.07	4.17	10.76	4.23	11.10	4.24	12.12	4.31	12.81	4.40
	43	9.13	3.79	9.81	3.97	10.50	3.97	10.84	3.96	11.87	4.00	12.55	4.08
9 + 18 + 18	22	10.94	2.22	11.62	2.99	12.31	3.24	12.65	3.29	13.67	3.31	14.36	3.31
	25	10.68	2.35	11.36	3.08	12.05	3.32	12.39	3.37	13.42	3.43	14.10	3.46
	32	10.08	3.16	10.76	3.73	11.44	3.91	11.79	3.96	12.81	4.05	13.50	4.13
	35	9.82	3.53	10.50	4.00	11.19	4.15	11.50	4.08	12.55	4.28	13.24	4.36
	40	9.39	3.87	10.07	4.17	10.76	4.23	11.10	4.24	12.12	4.31	12.81	4.40
	43	9.13	3.79	9.81	3.97	10.50	3.97	10.84	3.96	11.87	4.00	12.55	4.08
46	8.87	3.41	9.56	3.45	10.24	3.37	10.58	3.33	11.61	3.34	12.29	3.42	



# 5. Capacity tables

Combination capacity index (kBtu/h)	Outdoor Air Temp. (°CDB)	Indoor Air Temp. (°CWB)											
		14		16		18		19		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
24 + 24 + 24	22	10.94	2.22	11.62	2.99	12.31	3.24	12.65	3.29	13.67	3.31	14.36	3.31
	25	10.68	2.35	11.36	3.08	12.05	3.32	12.39	3.37	13.42	3.43	14.10	3.46
	32	10.08	3.16	10.76	3.73	11.44	3.91	11.79	3.96	12.81	4.05	13.50	4.13
	35	9.82	3.53	10.50	4.00	11.19	4.15	11.50	4.08	12.55	4.28	13.24	4.36
	40	9.39	3.87	10.07	4.17	10.76	4.23	11.10	4.24	12.12	4.31	12.81	4.40
	43	9.13	3.79	9.81	3.97	10.50	3.97	10.84	3.96	11.87	4.00	12.55	4.08
	46	8.87	3.41	9.56	3.45	10.24	3.37	10.58	3.33	11.61	3.34	12.29	3.42
4 Unit Operation													
7 + 7 + 7 + 7	22	7.80	1.20	8.29	1.62	8.78	1.75	9.02	1.78	9.76	1.79	10.25	1.79
	25	7.62	1.27	8.11	1.67	8.60	1.80	8.84	1.82	9.57	1.86	10.06	1.87
	32	7.19	1.71	7.68	2.02	8.17	2.12	8.41	2.14	9.14	2.19	9.63	2.23
	35	7.01	1.91	7.49	2.17	7.98	2.25	8.21	2.21	8.96	2.31	9.45	2.36
	40	6.70	2.10	7.19	2.26	7.68	2.29	7.92	2.30	8.65	2.33	9.14	2.38
	43	6.51	2.05	7.00	2.15	7.49	2.15	7.74	2.14	8.47	2.16	8.96	2.21
	46	6.33	1.84	6.82	1.86	7.31	1.82	7.55	1.80	8.28	1.80	8.77	1.85
7 + 7 + 7 + 9	22	8.36	1.31	8.89	1.76	9.41	1.91	9.67	1.94	10.45	1.95	10.98	1.95
	25	8.16	1.39	8.69	1.82	9.21	1.96	9.47	1.99	10.26	2.02	10.78	2.04
	32	7.70	1.86	8.23	2.20	8.75	2.31	9.01	2.33	9.80	2.39	10.32	2.43
	35	7.51	2.08	8.03	2.36	8.55	2.45	8.79	2.40	9.60	2.52	10.12	2.57
	40	7.18	2.28	7.70	2.46	8.22	2.49	8.49	2.50	9.27	2.54	9.79	2.59
	43	6.98	2.24	7.50	2.34	8.03	2.34	8.29	2.33	9.07	2.35	9.59	2.41
	46	6.78	2.01	7.31	2.03	7.83	1.98	8.09	1.96	8.87	1.97	9.40	2.01
7 + 7 + 9 + 9	22	8.92	1.41	9.48	1.91	10.04	2.07	10.31	2.09	11.15	2.11	11.71	2.11
	25	8.71	1.50	9.27	1.96	9.82	2.12	10.10	2.15	10.94	2.19	11.50	2.21
	32	8.22	2.02	8.78	2.38	9.33	2.50	9.61	2.52	10.45	2.58	11.01	2.63
	35	8.01	2.25	8.56	2.55	9.12	2.65	9.38	2.60	10.24	2.73	10.80	2.78
	40	7.66	2.47	8.21	2.66	8.77	2.70	9.05	2.71	9.89	2.75	10.45	2.81
	43	7.45	2.42	8.00	2.53	8.56	2.53	8.84	2.52	9.68	2.55	10.23	2.60
	46	7.23	2.17	7.79	2.20	8.35	2.15	8.63	2.13	9.47	2.13	10.02	2.18
7 + 7 + 7 + 12	22	9.20	1.47	9.77	1.98	10.35	2.14	10.64	2.17	11.50	2.19	12.07	2.19
	25	8.98	1.56	9.56	2.04	10.13	2.20	10.42	2.23	11.28	2.27	11.86	2.29
	32	8.47	2.09	9.05	2.47	9.62	2.59	9.91	2.62	10.78	2.68	11.35	2.73
	35	8.26	2.33	8.83	2.65	9.41	2.75	9.67	2.70	10.56	2.83	11.13	2.89
	40	7.90	2.56	8.47	2.76	9.05	2.80	9.33	2.81	10.20	2.85	10.77	2.91
	43	7.68	2.51	8.25	2.63	8.83	2.62	9.12	2.62	9.98	2.64	10.55	2.70
	46	7.46	2.25	8.04	2.28	8.61	2.23	8.90	2.21	9.76	2.21	10.34	2.26
7 + 9 + 9 + 9	22	9.48	1.52	10.07	2.05	10.66	2.22	10.96	2.25	11.85	2.27	12.44	2.27
	25	9.25	1.61	9.85	2.11	10.44	2.28	10.74	2.31	11.62	2.35	12.22	2.37
	32	8.73	2.17	9.32	2.56	9.92	2.68	10.21	2.71	11.10	2.78	11.69	2.83
	35	8.51	2.42	9.10	2.75	9.69	2.85	9.96	2.80	10.88	2.93	11.47	2.99
	40	8.13	2.66	8.73	2.86	9.32	2.90	9.62	2.91	10.51	2.96	11.10	3.02
	43	7.91	2.60	8.50	2.72	9.10	2.72	9.39	2.71	10.28	2.74	10.87	2.80
	46	7.69	2.34	8.28	2.36	8.87	2.31	9.17	2.29	10.06	2.29	10.65	2.34
7 + 7 + 9 + 12	22	9.76	1.57	10.37	2.13	10.98	2.30	11.28	2.33	12.20	2.35	12.81	2.35
	25	9.53	1.67	10.14	2.19	10.75	2.36	11.05	2.39	11.97	2.43	12.58	2.46
	32	8.99	2.24	9.60	2.65	10.21	2.78	10.51	2.81	11.43	2.88	12.04	2.93
	35	8.76	2.50	9.37	2.84	9.98	2.95	10.26	2.90	11.20	3.04	11.81	3.10
	40	8.37	2.75	8.98	2.96	9.59	3.00	9.90	3.01	10.81	3.06	11.42	3.13
	43	8.14	2.69	8.75	2.82	9.36	2.81	9.67	2.81	10.58	2.84	11.19	2.90
	46	7.91	2.42	8.52	2.45	9.13	2.39	9.44	2.37	10.35	2.37	10.96	2.42
9 + 9 + 9 + 9	22	10.03	1.63	10.66	2.20	11.29	2.38	11.60	2.41	12.54	2.43	13.17	2.43
	25	9.80	1.73	10.43	2.26	11.05	2.44	11.37	2.47	12.31	2.52	12.94	2.54
	32	9.24	2.32	9.87	2.74	10.50	2.87	10.81	2.90	11.76	2.97	12.38	3.03
	35	9.01	2.59	9.64	2.94	10.26	3.05	10.55	2.99	11.52	3.14	12.15	3.20
	40	8.61	2.84	9.24	3.06	9.87	3.11	10.18	3.11	11.12	3.16	11.75	3.23
	43	8.38	2.79	9.00	2.92	9.63	2.91	9.95	2.90	10.89	2.93	11.51	3.00
	46	8.14	2.50	8.77	2.53	9.39	2.47	9.71	2.45	10.65	2.45	11.28	2.51
7 + 9 + 9 + 12	22	10.31	1.68	10.96	2.27	11.60	2.46	11.93	2.49	12.89	2.51	13.54	2.51
	25	10.07	1.78	10.71	2.34	11.36	2.52	11.68	2.56	12.65	2.60	13.29	2.62
	32	9.50	2.40	10.15	2.83	10.79	2.97	11.11	3.00	12.08	3.07	12.73	3.13
	35	9.26	2.67	9.90	3.04	10.55	3.15	10.84	3.09	11.84	3.24	12.48	3.31
	40	8.85	2.94	9.50	3.16	10.14	3.21	10.46	3.22	11.43	3.27	12.08	3.34
	43	8.61	2.88	9.25	3.01	9.90	3.01	10.22	3.00	11.19	3.03	11.83	3.10
	46	8.37	2.58	9.01	2.61	9.66	2.55	9.98	2.53	10.95	2.53	11.59	2.59
7 + 7 + 12 + 12	22	10.59	1.73	11.25	2.34	11.92	2.54	12.25	2.57	13.24	2.59	13.90	2.59
	25	10.34	1.84	11.00	2.41	11.67	2.60	12.00	2.64	12.99	2.68	13.65	2.71
	32	9.76	2.47	10.42	2.92	11.08	3.06	11.41	3.10	12.41	3.17	13.07	3.23
	35	9.51	2.76	10.17	3.13	10.83	3.25	11.14	3.19	12.16	3.35	12.82	3.41
	40	9.09	3.03	9.75	3.26	10.42	3.31	10.75	3.32	11.74	3.37	12.40	3.44
	43	8.84	2.97	9.50	3.11	10.17	3.10	10.50	3.10	11.49	3.13	12.15	3.20
	46	8.59	2.66	9.25	2.70	9.92	2.63	10.25	2.61	11.24	2.61	11.90	2.67
7 + 7 + 7 + 18	22	10.65	1.79	11.31	2.42	11.98	2.62	12.31	2.66	13.31	2.68	13.98	2.68
	25	10.40	1.91	11.06	2.49	11.73	2.69	12.06	2.73	13.06	2.78	13.73	2.80
	32	9.81	2.56	10.48	3.02	11.14	3.17	11.47	3.20	12.47	3.28	13.14	3.34
	35	9.56	2.86	10.22	3.24	10.89	3.36	11.20	3.30	12.22	3.46	12.89	3.53
	40	9.14	3.14	9.81	3.38	10.47	3.43	10.80	3.43	11.80	3.49	12.47	3.56
	43	8.89	3.07	9.55	3.21	10.22	3.21	10.55	3.20	11.55	3.23	12.22	3.31
	46	8.64	2.76	9.30	2.79	9.97	2.72	10.30	2.70	11.30	2.70	11.97	2.76

# 5. Capacity tables

Combination capacity index (kBTU/h)	Outdoor Air Temp. (°CDB)	Indoor Air Temp. (°CWB)											
		14		16		18		19		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
9 + 9 + 9 + 12	22	10.65	1.79	11.31	2.42	11.98	2.62	12.31	2.66	12.31	2.68	13.98	2.68
	25	10.40	1.91	11.06	2.49	11.73	2.69	12.06	2.73	13.06	2.78	13.73	2.80
	32	9.81	2.56	10.48	3.02	11.14	3.17	11.47	3.20	12.47	3.28	13.14	3.34
	35	9.56	2.86	10.22	3.24	10.89	3.36	11.20	3.30	12.22	3.46	12.89	3.53
	40	9.14	3.14	9.81	3.38	10.47	3.43	10.80	3.43	11.80	3.49	12.47	3.56
	43	8.89	3.07	9.55	3.21	10.22	3.21	10.55	3.20	11.55	3.23	12.22	3.31
	46	8.64	2.76	9.30	2.79	9.97	2.72	10.30	2.70	11.30	2.70	11.97	2.76
7 + 9 + 12 + 12	22	10.96	1.87	11.64	2.52	12.33	2.73	12.67	2.77	13.70	2.79	14.38	2.79
	25	10.70	1.98	11.38	2.60	12.07	2.80	12.41	2.84	13.44	2.89	14.12	2.92
	32	10.09	2.66	10.78	3.14	11.47	3.30	11.81	3.34	12.84	3.41	13.52	3.48
	35	9.84	2.97	10.52	3.38	11.21	3.50	11.52	3.44	12.58	3.61	13.26	3.68
	40	9.41	3.26	10.09	3.52	10.78	3.57	11.12	3.58	12.15	3.63	12.83	3.71
	43	9.15	3.20	9.83	3.35	10.52	3.34	10.86	3.34	11.89	3.37	12.57	3.44
	46	8.89	2.87	9.57	2.91	10.26	2.84	10.60	2.81	11.63	2.81	12.31	2.88
7 + 7 + 9 + 18	22	11.15	1.92	11.85	2.60	12.54	2.81	12.89	2.85	13.94	2.87	14.64	2.88
	25	10.89	2.04	11.58	2.68	12.28	2.88	12.63	2.93	13.68	2.98	14.37	3.00
	32	10.27	2.74	10.97	3.24	11.67	3.40	12.02	3.44	13.06	3.52	13.76	3.58
	35	10.01	3.06	10.71	3.48	11.40	3.60	11.72	3.54	12.80	3.71	13.50	3.79
	40	9.57	3.36	10.27	3.62	10.96	3.67	11.31	3.68	12.36	3.74	13.06	3.82
	43	9.31	3.29	10.00	3.45	10.70	3.44	11.05	3.44	12.10	3.47	12.79	3.55
	46	9.04	2.96	9.74	2.99	10.44	2.92	10.79	2.89	11.83	2.90	12.53	2.96
9 + 9 + 12 + 12	22	11.35	2.10	12.06	2.84	12.77	3.08	13.12	3.12	14.19	3.14	14.90	3.15
	25	11.08	2.23	11.79	2.93	12.50	3.15	12.85	3.20	13.92	3.26	14.63	3.28
	32	10.45	3.00	11.16	3.54	11.87	3.72	12.23	3.76	13.29	3.85	14.00	3.92
	35	10.19	3.35	10.90	3.80	11.61	3.94	11.93	3.87	13.03	4.06	13.73	4.14
	40	9.74	3.68	10.45	3.96	11.16	4.02	11.51	4.03	12.58	4.09	13.29	4.18
	43	9.47	3.60	10.18	3.77	10.89	3.76	11.25	3.76	12.31	3.79	13.02	3.88
	46	9.20	3.23	9.91	3.27	10.62	3.20	10.98	3.17	12.04	3.17	12.75	3.24
7 + 9 + 9 + 18	22	11.55	2.16	12.28	2.92	13.00	3.16	13.36	3.21	14.44	3.23	15.17	3.23
	25	11.28	2.30	12.00	3.01	12.73	3.24	13.09	3.29	14.17	3.35	14.89	3.38
	32	10.64	3.09	11.37	3.64	12.09	3.82	12.45	3.86	13.53	3.95	14.26	4.03
	35	10.37	3.44	11.09	3.91	11.82	4.05	12.15	3.98	13.26	4.18	13.98	4.26
	40	9.92	3.78	10.64	4.07	11.36	4.13	11.72	4.14	12.81	4.21	13.53	4.30
	43	9.64	3.70	10.37	3.88	11.09	3.87	11.45	3.86	12.53	3.90	13.26	3.99
	46	9.37	3.32	10.09	3.37	10.82	3.29	11.18	3.25	12.26	3.26	12.98	3.33
7 + 12 + 12 + 12	22	11.55	2.16	12.28	2.92	13.00	3.16	13.36	3.21	14.44	3.23	15.17	3.23
	25	11.28	2.30	12.00	3.01	12.73	3.24	13.09	3.29	14.17	3.35	14.89	3.38
	32	10.64	3.09	11.37	3.64	12.09	3.82	12.45	3.86	13.53	3.95	14.26	4.03
	35	10.37	3.44	11.09	3.91	11.82	4.05	12.15	3.98	13.26	4.18	13.98	4.26
	40	9.92	3.78	10.64	4.07	11.36	4.13	11.72	4.14	12.81	4.21	13.53	4.30
	43	9.64	3.70	10.37	3.88	11.09	3.87	11.45	3.86	12.53	3.90	13.26	3.99
	46	9.37	3.32	10.09	3.37	10.82	3.29	11.18	3.25	12.26	3.26	12.98	3.33
7 + 7 + 12 + 18	22	11.88	2.25	12.62	3.03	13.37	3.29	13.74	3.33	14.85	3.36	15.59	3.36
	25	11.60	2.39	12.34	3.12	13.09	3.37	13.46	3.42	14.57	3.48	15.31	3.51
	32	10.94	3.20	11.69	3.78	12.43	3.97	12.80	4.01	13.92	4.11	14.66	4.18
	35	10.66	3.58	11.41	4.06	12.15	4.21	12.49	4.14	13.64	4.34	14.38	4.42
	40	10.20	3.93	10.94	4.23	11.68	4.29	12.05	4.30	13.17	4.37	13.91	4.46
	43	9.92	3.85	10.66	4.03	11.40	4.02	11.77	4.01	12.89	4.05	13.63	4.14
	46	9.64	3.45	10.38	3.49	11.12	3.41	11.49	3.38	12.61	3.38	13.35	3.46
7 + 7 + 7 + 24	22	12.11	2.33	12.86	3.14	13.62	3.41	14.00	3.45	15.13	3.48	15.89	3.48
	25	11.82	2.47	12.58	3.24	13.33	3.49	13.71	3.54	14.85	3.60	15.61	3.63
	32	11.15	3.32	11.91	3.92	12.67	4.11	13.05	4.16	14.18	4.25	14.94	4.33
	35	10.87	3.71	11.62	4.21	12.38	4.36	12.73	4.29	13.90	4.49	14.65	4.58
	40	10.39	4.07	11.15	4.38	11.90	4.45	12.28	4.46	13.42	4.53	14.18	4.62
	43	10.10	3.99	10.86	4.17	11.62	4.17	12.00	4.16	13.13	4.20	13.89	4.29
	46	9.82	3.58	10.58	3.62	11.33	3.54	11.71	3.50	12.85	3.50	13.60	3.59
9 + 9 + 9 + 18	22	12.11	2.33	12.86	3.14	13.62	3.41	14.00	3.45	15.13	3.48	15.89	3.48
	25	11.82	2.47	12.58	3.24	13.33	3.49	13.71	3.54	14.85	3.60	15.61	3.63
	32	11.15	3.32	11.91	3.92	12.67	4.11	13.05	4.16	14.18	4.25	14.94	4.33
	35	10.87	3.71	11.62	4.21	12.38	4.36	12.73	4.29	13.90	4.49	14.65	4.58
	40	10.39	4.07	11.15	4.38	11.90	4.45	12.28	4.46	13.42	4.53	14.18	4.62
	43	10.10	3.99	10.86	4.17	11.62	4.17	12.00	4.16	13.13	4.20	13.89	4.29
	46	9.82	3.58	10.58	3.62	11.33	3.54	11.71	3.50	12.85	3.50	13.60	3.59
9 + 12 + 12 + 12	22	12.11	2.33	12.86	3.14	13.62	3.41	14.00	3.45	15.13	3.48	15.89	3.48
	25	11.82	2.47	12.58	3.24	13.33	3.49	13.71	3.54	14.85	3.60	15.61	3.63
	32	11.15	3.32	11.91	3.92	12.67	4.11	13.05	4.16	14.18	4.25	14.94	4.33
	35	10.87	3.71	11.62	4.21	12.38	4.36	12.73	4.29	13.90	4.49	14.65	4.58
	40	10.39	4.07	11.15	4.38	11.90	4.45	12.28	4.46	13.42	4.53	14.18	4.62
	43	10.10	3.99	10.86	4.17	11.62	4.17	12.00	4.16	13.13	4.20	13.89	4.29
	46	9.82	3.58	10.58	3.62	11.33	3.54	11.71	3.50	12.85	3.50	13.60	3.59
7 + 9 + 12 + 18	22	12.11	2.33	12.86	3.14	13.62	3.41	14.00	3.45	15.13	3.48	15.89	3.48
	25	11.82	2.47	12.58	3.24	13.33	3.49	13.71	3.54	14.85	3.60	15.61	3.63
	32	11.15	3.32	11.91	3.92	12.67	4.11	13.05	4.16	14.18	4.25	14.94	4.33
	35	10.87	3.71	11.62	4.21	12.38	4.36	12.73	4.29	13.90	4.49	14.65	4.58
	40	10.39	4.07	11.15	4.38	11.90	4.45	12.28	4.46	13.42	4.53	14.18	4.62
	43	10.10	3.99	10.86	4.17	11.62	4.17	12.00	4.16	13.13	4.20	13.89	4.29
	46	9.82	3.58	10.58	3.62	11.33	3.54	11.71	3.50	12.85	3.50	13.60	3.59











**5. Capacity tables**

Combination capacity index (kBTU/h)	Outdoor Air Temp. (°CDB)	Indoor Air Temp. (°CWB)											
		14		16		18		19		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
7 + 7 + 7 + 9 + 12	22	12.41	2.29	13.19	3.09	13.96	3.34	14.35	3.39	15.51	3.42	16.29	3.42
	25	12.12	2.43	12.89	3.18	13.67	3.43	14.06	3.48	15.22	3.54	16.00	3.57
	32	11.43	3.26	12.21	3.85	12.98	4.04	13.37	4.08	14.54	4.18	15.31	4.26
	35	11.14	3.64	11.92	4.13	12.69	4.28	13.05	4.21	14.24	4.41	15.02	4.50
	40	10.65	4.00	11.43	4.31	12.20	4.37	12.59	4.38	13.76	4.45	14.53	4.54
	43	10.36	3.91	11.13	4.10	11.91	4.09	12.30	4.08	13.46	4.12	14.24	4.21
7 + 9 + 9 + 9 + 9	22	12.82	2.38	13.63	3.21	14.43	3.48	14.83	3.53	16.03	3.55	16.83	3.56
	25	12.52	2.53	13.32	3.31	14.13	3.57	14.53	3.62	15.73	3.68	16.53	3.71
	32	11.82	3.39	12.62	4.00	13.42	4.20	13.82	4.25	15.02	4.35	15.83	4.43
	35	11.51	3.79	12.31	4.30	13.12	4.45	13.48	4.38	14.72	4.59	15.52	4.68
	40	11.01	4.16	11.81	4.48	12.61	4.54	13.01	4.55	14.22	4.63	15.02	4.72
	43	10.71	4.07	11.51	4.26	12.31	4.26	12.71	4.25	13.91	4.29	14.72	4.38
7 + 7 + 9 + 9 + 12	22	13.18	2.48	14.01	3.35	14.83	3.62	15.25	3.67	16.48	3.70	17.31	3.70
	25	12.87	2.63	13.70	3.44	14.52	3.71	14.93	3.77	16.17	3.83	17.00	3.87
	32	12.15	3.53	12.97	4.17	13.80	4.37	14.21	4.42	15.44	4.53	16.27	4.61
	35	11.84	3.94	12.66	4.48	13.48	4.64	13.86	4.56	15.13	4.78	15.96	4.88
	40	11.32	4.33	12.14	4.66	12.97	4.73	13.38	4.74	14.61	4.82	15.44	4.92
	43	11.01	4.24	11.83	4.44	12.65	4.43	13.07	4.42	14.30	4.47	15.13	4.57
7 + 7 + 7 + 12 + 12	22	13.32	2.54	14.16	3.43	14.99	3.71	15.41	3.76	16.66	3.79	17.49	3.79
	25	13.01	2.69	13.84	3.53	14.68	3.80	15.09	3.86	16.34	3.92	17.18	3.96
	32	12.28	3.62	13.11	4.27	13.94	4.48	14.36	4.53	15.61	4.64	16.44	4.72
	35	11.96	4.04	12.79	4.58	13.63	4.75	14.01	4.67	15.29	4.90	16.13	4.99
	40	11.44	4.43	12.27	4.78	13.10	4.84	13.52	4.86	14.77	4.93	15.60	5.04
	43	11.12	4.34	11.96	4.55	12.79	4.54	13.20	4.53	14.45	4.57	15.29	4.68
9 + 9 + 9 + 9 + 9	22	13.32	2.54	14.16	3.43	14.99	3.71	15.41	3.76	16.66	3.79	17.49	3.79
	25	13.01	2.69	13.84	3.53	14.68	3.80	15.09	3.86	16.34	3.92	17.18	3.96
	32	12.28	3.62	13.11	4.27	13.94	4.48	14.36	4.53	15.61	4.64	16.44	4.72
	35	11.96	4.04	12.79	4.58	13.63	4.75	14.01	4.67	15.29	4.90	16.13	4.99
	40	11.44	4.43	12.27	4.78	13.10	4.84	13.52	4.86	14.77	4.93	15.60	5.04
	43	11.12	4.34	11.96	4.55	12.79	4.54	13.20	4.53	14.45	4.57	15.29	4.68
7 + 7 + 7 + 7 + 18	22	13.32	2.54	14.16	3.43	14.99	3.71	15.41	3.76	16.66	3.79	17.49	3.79
	25	13.01	2.69	13.84	3.53	14.68	3.80	15.09	3.86	16.34	3.92	17.18	3.96
	32	12.28	3.62	13.11	4.27	13.94	4.48	14.36	4.53	15.61	4.64	16.44	4.72
	35	11.96	4.04	12.79	4.58	13.63	4.75	14.01	4.67	15.29	4.90	16.13	4.99
	40	11.44	4.43	12.27	4.78	13.10	4.84	13.52	4.86	14.77	4.93	15.60	5.04
	43	11.12	4.34	11.96	4.55	12.79	4.54	13.20	4.53	14.45	4.57	15.29	4.68
7 + 9 + 9 + 9 + 12	22	13.32	2.54	14.16	3.43	14.99	3.71	15.41	3.76	16.66	3.79	17.49	3.79
	25	13.01	2.69	13.84	3.53	14.68	3.80	15.09	3.86	16.34	3.92	17.18	3.96
	32	12.28	3.62	13.11	4.27	13.94	4.48	14.36	4.53	15.61	4.64	16.44	4.72
	35	11.96	4.04	12.79	4.58	13.63	4.75	14.01	4.67	15.29	4.90	16.13	4.99
	40	11.44	4.43	12.27	4.78	13.10	4.84	13.52	4.86	14.77	4.93	15.60	5.04
	43	11.12	4.34	11.96	4.55	12.79	4.54	13.20	4.53	14.45	4.57	15.29	4.68
7 + 7 + 9 + 12 + 12	22	13.32	2.54	14.16	3.43	14.99	3.71	15.41	3.76	16.66	3.79	17.49	3.79
	25	13.01	2.69	13.84	3.53	14.68	3.80	15.09	3.86	16.34	3.92	17.18	3.96
	32	12.28	3.62	13.11	4.27	13.94	4.48	14.36	4.53	15.61	4.64	16.44	4.72
	35	11.96	4.04	12.79	4.58	13.63	4.75	14.01	4.67	15.29	4.90	16.13	4.99
	40	11.44	4.43	12.27	4.78	13.10	4.84	13.52	4.86	14.77	4.93	15.60	5.04
	43	11.12	4.34	11.96	4.55	12.79	4.54	13.20	4.53	14.45	4.57	15.29	4.68
7 + 7 + 7 + 9 + 18	22	13.32	2.54	14.16	3.43	14.99	3.71	15.41	3.76	16.66	3.79	17.49	3.79
	25	13.01	2.69	13.84	3.53	14.68	3.80	15.09	3.86	16.34	3.92	17.18	3.96
	32	12.28	3.62	13.11	4.27	13.94	4.48	14.36	4.53	15.61	4.64	16.44	4.72
	35	11.96	4.04	12.79	4.58	13.63	4.75	14.01	4.67	15.29	4.90	16.13	4.99
	40	11.44	4.43	12.27	4.78	13.10	4.84	13.52	4.86	14.77	4.93	15.60	5.04
	43	11.12	4.34	11.96	4.55	12.79	4.54	13.20	4.53	14.45	4.57	15.29	4.68
9 + 9 + 9 + 9 + 12	22	13.32	2.54	14.16	3.43	14.99	3.71	15.41	3.76	16.66	3.79	17.49	3.79
	25	13.01	2.69	13.84	3.53	14.68	3.80	15.09	3.86	16.34	3.92	17.18	3.96
	32	12.28	3.62	13.11	4.27	13.94	4.48	14.36	4.53	15.61	4.64	16.44	4.72
	35	11.96	4.04	12.79	4.58	13.63	4.75	14.01	4.67	15.29	4.90	16.13	4.99
	40	11.44	4.43	12.27	4.78	13.10	4.84	13.52	4.86	14.77	4.93	15.60	5.04
	43	11.12	4.34	11.96	4.55	12.79	4.54	13.20	4.53	14.45	4.57	15.29	4.68
7 + 9 + 9 + 12 + 12	22	13.32	2.54	14.16	3.43	14.99	3.71	15.41	3.76	16.66	3.79	17.49	3.79
	25	13.01	2.69	13.84	3.53	14.68	3.80	15.09	3.86	16.34	3.92	17.18	3.96
	32	12.28	3.62	13.11	4.27	13.94	4.48	14.36	4.53	15.61	4.64	16.44	4.72
	35	11.96	4.04	12.79	4.58	13.63	4.75	14.01	4.67	15.29	4.90	16.13	4.99
	40	11.44	4.43	12.27	4.78	13.10	4.84	13.52	4.86	14.77	4.93	15.60	5.04
	43	11.12	4.34	11.96	4.55	12.79	4.54	13.20	4.53	14.45	4.57	15.29	4.68









# 5. Capacity tables

Combination capacity index (kBTU/h)	Outdoor Air Temp. (°CDB)	Indoor Air Temp. (°CWB)											
		14		16		18		19		22		24	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
9 + 9 + 9 + 18 + 24	22	13.32	2.54	14.16	3.43	14.99	3.71	15.41	3.76	16.66	3.79	17.49	3.79
	25	13.01	2.69	13.84	3.53	14.68	3.80	15.09	3.86	16.34	3.92	17.18	3.96
	32	12.28	3.62	13.11	4.27	13.94	4.48	14.36	4.53	15.61	4.64	16.44	4.72
	35	11.96	4.04	12.79	4.58	13.63	4.75	14.01	4.67	15.29	4.90	16.13	4.99
	40	11.44	4.43	12.27	4.78	13.10	4.84	13.52	4.86	14.77	4.93	15.60	5.04
	43	11.12	4.34	11.96	4.55	12.79	4.54	13.20	4.53	14.45	4.57	15.29	4.68
9 + 12 + 12 + 12 + 24	22	13.32	2.54	14.16	3.43	14.99	3.71	15.41	3.76	16.66	3.79	17.49	3.79
	25	13.01	2.69	13.84	3.53	14.68	3.80	15.09	3.86	16.34	3.92	17.18	3.96
	32	12.28	3.62	13.11	4.27	13.94	4.48	14.36	4.53	15.61	4.64	16.44	4.72
	35	11.96	4.04	12.79	4.58	13.63	4.75	14.01	4.67	15.29	4.90	16.13	4.99
	40	11.44	4.43	12.27	4.78	13.10	4.84	13.52	4.86	14.77	4.93	15.60	5.04
	43	11.12	4.34	11.96	4.55	12.79	4.54	13.20	4.53	14.45	4.57	15.29	4.68
9 + 12 + 12 + 18 + 18	22	13.32	2.54	14.16	3.43	14.99	3.71	15.41	3.76	16.66	3.79	17.49	3.79
	25	13.01	2.69	13.84	3.53	14.68	3.80	15.09	3.86	16.34	3.92	17.18	3.96
	32	12.28	3.62	13.11	4.27	13.94	4.48	14.36	4.53	15.61	4.64	16.44	4.72
	35	11.96	4.04	12.79	4.58	13.63	4.75	14.01	4.67	15.29	4.90	16.13	4.99
	40	11.44	4.43	12.27	4.78	13.10	4.84	13.52	4.86	14.77	4.93	15.60	5.04
	43	11.12	4.34	11.96	4.55	12.79	4.54	13.20	4.53	14.45	4.57	15.29	4.68
7 + 9 + 12 + 18 + 24	22	13.32	2.54	14.16	3.43	14.99	3.71	15.41	3.76	16.66	3.79	17.49	3.79
	25	13.01	2.69	13.84	3.53	14.68	3.80	15.09	3.86	16.34	3.92	17.18	3.96
	32	12.28	3.62	13.11	4.27	13.94	4.48	14.36	4.53	15.61	4.64	16.44	4.72
	35	11.96	4.04	12.79	4.58	13.63	4.75	14.01	4.67	15.29	4.90	16.13	4.99
	40	11.44	4.43	12.27	4.78	13.10	4.84	13.52	4.86	14.77	4.93	15.60	5.04
	43	11.12	4.34	11.96	4.55	12.79	4.54	13.20	4.53	14.45	4.57	15.29	4.68
7 + 9 + 18 + 18 + 18	22	13.32	2.54	14.16	3.43	14.99	3.71	15.41	3.76	16.66	3.79	17.49	3.79
	25	13.01	2.69	13.84	3.53	14.68	3.80	15.09	3.86	16.34	3.92	17.18	3.96
	32	12.28	3.62	13.11	4.27	13.94	4.48	14.36	4.53	15.61	4.64	16.44	4.72
	35	11.96	4.04	12.79	4.58	13.63	4.75	14.01	4.67	15.29	4.90	16.13	4.99
	40	11.44	4.43	12.27	4.78	13.10	4.84	13.52	4.86	14.77	4.93	15.60	5.04
	43	11.12	4.34	11.96	4.55	12.79	4.54	13.20	4.53	14.45	4.57	15.29	4.68
7 + 7 + 9 + 24 + 24	22	13.32	2.54	14.16	3.43	14.99	3.71	15.41	3.76	16.66	3.79	17.49	3.79
	25	13.01	2.69	13.84	3.53	14.68	3.80	15.09	3.86	16.34	3.92	17.18	3.96
	32	12.28	3.62	13.11	4.27	13.94	4.48	14.36	4.53	15.61	4.64	16.44	4.72
	35	11.96	4.04	12.79	4.58	13.63	4.75	14.01	4.67	15.29	4.90	16.13	4.99
	40	11.44	4.43	12.27	4.78	13.10	4.84	13.52	4.86	14.77	4.93	15.60	5.04
	43	11.12	4.34	11.96	4.55	12.79	4.54	13.20	4.53	14.45	4.57	15.29	4.68
9 + 9 + 18 + 18 + 18	22	13.32	2.54	14.16	3.43	14.99	3.71	15.41	3.76	16.66	3.79	17.49	3.79
	25	13.01	2.69	13.84	3.53	14.68	3.80	15.09	3.86	16.34	3.92	17.18	3.96
	32	12.28	3.62	13.11	4.27	13.94	4.48	14.36	4.53	15.61	4.64	16.44	4.72
	35	11.96	4.04	12.79	4.58	13.63	4.75	14.01	4.67	15.29	4.90	16.13	4.99
	40	11.44	4.43	12.27	4.78	13.10	4.84	13.52	4.86	14.77	4.93	15.60	5.04
	43	11.12	4.34	11.96	4.55	12.79	4.54	13.20	4.53	14.45	4.57	15.29	4.68
12 + 12 + 12 + 18 + 18	22	13.32	2.54	14.16	3.43	14.99	3.71	15.41	3.76	16.66	3.79	17.49	3.79
	25	13.01	2.69	13.84	3.53	14.68	3.80	15.09	3.86	16.34	3.92	17.18	3.96
	32	12.28	3.62	13.11	4.27	13.94	4.48	14.36	4.53	15.61	4.64	16.44	4.72
	35	11.96	4.04	12.79	4.58	13.63	4.75	14.01	4.67	15.29	4.90	16.13	4.99
	40	11.44	4.43	12.27	4.78	13.10	4.84	13.52	4.86	14.77	4.93	15.60	5.04
	43	11.12	4.34	11.96	4.55	12.79	4.54	13.20	4.53	14.45	4.57	15.29	4.68
12 + 12 + 12 + 12 + 24	22	13.32	2.54	14.16	3.43	14.99	3.71	15.41	3.76	16.66	3.79	17.49	3.79
	25	13.01	2.69	13.84	3.53	14.68	3.80	15.09	3.86	16.34	3.92	17.18	3.96
	32	12.28	3.62	13.11	4.27	13.94	4.48	14.36	4.53	15.61	4.64	16.44	4.72
	35	11.96	4.04	12.79	4.58	13.63	4.75	14.01	4.67	15.29	4.90	16.13	4.99
	40	11.44	4.43	12.27	4.78	13.10	4.84	13.52	4.86	14.77	4.93	15.60	5.04
	43	11.12	4.34	11.96	4.55	12.79	4.54	13.20	4.53	14.45	4.57	15.29	4.68

**Note**

1. DB : Dry bulb temperature(°C), WB : Wet bulb temperature(°C)
2. TC : Total capacity(kW)
3. PI : Power Input (kW, Compressor + indoor fan motor + outdoor fan motor)
4. All capacities are net. A deduction (cooling mode) or an addition (heating mode) of Capacity due to operating heat of indoor unit motor is reflected.
5. Capacities are based on the following conditions ;
  - Interconnecting Piping Length (Both Main pipe and Branch pipe) is standard length.
  - Difference of Elevation (Outdoor ~ Indoor Unit) is 0 m.
6. Direct interpolation is permissible. Do not extrapolate.
7. Rated capacities and power inputs are based on standard temperature and piping conditions, and it can be found on specifications table. Except for rated value, the performance is not guaranteed.
8. In accordance with the test standard(or nations) and indoor unit's combinations, the rating will vary slightly.



## 5. Capacity tables

### ◆ Heating Capacity

Combination Capacity Index (kBTu/h)	Outdoor Air Temp. (°CWB)	Indoor Air Temp. (°CDB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
1 Unit Operation													
7	-15.0	2.73	1.58	2.59	1.55	2.46	1.51	2.41	1.50	2.36	1.48	2.27	1.45
	-10.0	2.73	1.37	2.59	1.34	2.46	1.31	2.41	1.29	2.36	1.28	2.27	1.24
	-5.0	2.73	1.17	2.59	1.14	2.46	1.10	2.41	1.09	2.36	1.07	2.27	1.04
	0.0	2.73	0.96	2.59	0.93	2.46	0.90	2.41	0.88	2.36	0.86	2.27	0.83
	6.0	2.73	0.72	2.59	0.68	2.46	0.65	2.41	0.63	2.36	0.62	2.27	0.59
	10.0	2.73	0.67	2.59	0.64	2.46	0.61	2.41	0.59	2.36	0.58	2.27	0.55
9	-15.0	2.73	0.61	2.59	0.58	2.46	0.55	2.41	0.54	2.36	0.52	2.27	0.50
	-15.0	3.50	2.19	3.33	2.14	3.17	2.10	3.10	2.07	3.04	2.05	2.91	2.01
	-10.0	3.50	1.90	3.33	1.86	3.17	1.81	3.10	1.79	3.04	1.77	2.91	1.72
	-5.0	3.50	1.62	3.33	1.57	3.17	1.53	3.10	1.50	3.04	1.48	2.91	1.44
	0.0	3.50	1.33	3.33	1.29	3.17	1.24	3.10	1.22	3.04	1.20	2.91	1.15
	6.0	3.50	0.99	3.33	0.95	3.17	0.90	3.10	0.88	3.04	0.86	2.91	0.81
12	10.0	3.50	0.92	3.33	0.88	3.17	0.84	3.10	0.82	3.04	0.80	2.91	0.76
	15.0	3.50	0.84	3.33	0.80	3.17	0.77	3.10	0.75	3.04	0.73	2.91	0.69
	-15.0	4.28	2.62	4.08	2.57	3.87	2.52	3.79	2.49	3.71	2.46	3.56	2.41
	-10.0	4.28	2.28	4.08	2.23	3.87	2.17	3.79	2.15	3.71	2.12	3.56	2.07
	-5.0	4.28	1.94	4.08	1.89	3.87	1.83	3.79	1.81	3.71	1.78	3.56	1.72
	0.0	4.28	1.60	4.08	1.54	3.87	1.49	3.79	1.46	3.71	1.44	3.56	1.38
18	6.0	4.28	1.19	4.08	1.13	3.87	1.08	3.79	1.05	3.71	1.03	3.56	0.97
	10.0	4.28	1.11	4.08	1.06	3.87	1.01	3.79	0.98	3.71	0.96	3.56	0.91
	15.0	4.28	1.01	4.08	0.96	3.87	0.92	3.79	0.90	3.71	0.87	3.56	0.83
	-15.0	6.42	4.47	6.11	4.38	5.80	4.29	5.69	4.24	5.57	4.20	5.34	4.10
	-10.0	6.42	3.89	6.11	3.80	5.80	3.70	5.69	3.66	5.57	3.61	5.34	3.52
	-5.0	6.42	3.31	6.11	3.21	5.80	3.12	5.69	3.08	5.57	3.03	5.34	2.94
24	0.0	6.42	2.72	6.11	2.63	5.80	2.54	5.69	2.49	5.57	2.45	5.34	2.36
	6.0	6.42	2.02	6.11	1.93	5.80	1.84	5.69	1.79	5.57	1.75	5.34	1.66
	10.0	6.42	1.89	6.11	1.80	5.80	1.72	5.69	1.67	5.57	1.63	5.34	1.55
	15.0	6.42	1.72	6.11	1.64	5.80	1.56	5.69	1.52	5.57	1.49	5.34	1.41
	-15.0	8.24	4.60	7.84	4.68	7.44	4.77	7.30	4.81	7.15	4.85	6.85	4.93
	-10.0	8.24	4.77	7.84	4.85	7.44	4.93	7.30	4.97	7.15	4.99	6.85	4.86
24	-5.0	8.24	4.56	7.84	4.44	7.44	4.31	7.30	4.25	7.15	4.18	6.85	4.06
	0.0	8.24	3.76	7.84	3.63	7.44	3.51	7.30	3.44	7.15	3.38	6.85	3.25
	6.0	8.24	2.80	7.84	2.67	7.44	2.54	7.30	2.48	7.15	2.41	6.85	2.29
	10.0	8.24	2.61	7.84	2.49	7.44	2.37	7.30	2.31	7.15	2.25	6.85	2.13
	15.0	8.24	2.38	7.84	2.27	7.44	2.16	7.30	2.11	7.15	2.05	6.85	1.94

2 Unit Operation													
7 + 7	-15.0	5.45	3.05	5.19	2.99	4.92	2.93	4.83	2.90	4.73	2.86	4.53	2.80
	-10.0	5.45	2.65	5.19	2.59	4.92	2.53	4.83	2.50	4.73	2.47	4.53	2.40
	-5.0	5.45	2.26	5.19	2.19	4.92	2.13	4.83	2.10	4.73	2.07	4.53	2.01
	0.0	5.45	1.86	5.19	1.80	4.92	1.73	4.83	1.70	4.73	1.67	4.53	1.61
	6.0	5.45	1.38	5.19	1.32	4.92	1.26	4.83	1.22	4.73	1.19	4.53	1.13
	10.0	5.45	1.29	5.19	1.23	4.92	1.17	4.83	1.14	4.73	1.11	4.53	1.06
7 + 9	15.0	5.45	1.17	5.19	1.12	4.92	1.07	4.83	1.04	4.73	1.01	4.53	0.96
	-15.0	6.23	3.56	5.93	3.49	5.63	3.41	5.51	3.38	5.40	3.34	5.18	3.27
	-10.0	6.23	3.10	5.93	3.02	5.63	2.95	5.51	2.91	5.40	2.88	5.18	2.80
	-5.0	6.23	2.63	5.93	2.56	5.63	2.49	5.51	2.45	5.40	2.41	5.18	2.34
	0.0	6.23	2.17	5.93	2.10	5.63	2.02	5.51	1.99	5.40	1.95	5.18	1.88
	6.0	6.23	1.61	5.93	1.54	5.63	1.47	5.51	1.43	5.40	1.39	5.18	1.32
9 + 9	10.0	6.23	1.51	5.93	1.44	5.63	1.37	5.51	1.33	5.40	1.30	5.18	1.23
	15.0	6.23	1.37	5.93	1.31	5.63	1.25	5.51	1.21	5.40	1.18	5.18	1.12
	-15.0	7.01	4.09	6.67	4.01	6.33	3.92	6.20	3.88	6.08	3.84	5.82	3.75
	-10.0	7.01	3.56	6.67	3.47	6.33	3.39	6.20	3.35	6.08	3.31	5.82	3.22
	-5.0	7.01	3.03	6.67	2.94	6.33	2.86	6.20	2.81	6.08	2.77	5.82	2.69
	0.0	7.01	2.49	6.67	2.41	6.33	2.32	6.20	2.28	6.08	2.24	5.82	2.16
7 + 12	6.0	7.01	1.85	6.67	1.77	6.33	1.68	6.20	1.64	6.08	1.60	5.82	1.52
	10.0	7.01	1.73	6.67	1.65	6.33	1.57	6.20	1.53	6.08	1.49	5.82	1.41
	15.0	7.01	1.57	6.67	1.50	6.33	1.43	6.20	1.40	6.08	1.36	5.82	1.29
	-15.0	7.40	4.37	7.04	4.28	6.68	4.19	6.55	4.14	6.42	4.10	6.15	4.01
	-10.0	7.40	3.80	7.04	3.71	6.68	3.62	6.55	3.57	6.42	3.53	6.15	3.44
	-5.0	7.40	3.23	7.04	3.14	6.68	3.05	6.55	3.00	6.42	2.96	6.15	2.87
9 + 12	0.0	7.40	2.66	7.04	2.57	6.68	2.48	6.55	2.43	6.42	2.39	6.15	2.30
	6.0	7.40	1.98	7.04	1.89	6.68	1.80	6.55	1.75	6.42	1.71	6.15	1.62
	10.0	7.40	1.84	7.04	1.76	6.68	1.68	6.55	1.63	6.42	1.59	6.15	1.51
	15.0	7.40	1.68	7.04	1.60	6.68	1.53	6.55	1.49	6.42	1.45	6.15	1.37
	-15.0	8.18	4.60	7.78	4.68	7.39	4.73	7.24	4.68	7.09	4.63	6.80	4.53
	-10.0	8.18	4.29	7.78	4.19	7.39	4.09	7.24	4.03	7.09	3.98	6.80	3.88
12 + 12	-5.0	8.18	3.65	7.78	3.54	7.39	3.44	7.24	3.39	7.09	3.34	6.80	3.24
	0.0	8.18	3.00	7.78	2.90	7.39	2.80	7.24	2.75	7.09	2.70	6.80	2.60
	6.0	8.18	2.23	7.78	2.13	7.39	2.03	7.24	1.98	7.09	1.93	6.80	1.83
	10.0	8.18	2.08	7.78	1.99	7.39	1.89	7.24	1.85	7.09	1.80	6.80	1.70
	15.0	8.18	1.90	7.78	1.81	7.39	1.72	7.24	1.68	7.09	1.64	6.80	1.55
	-15.0	9.34	4.63	8.89	4.72	8.44	4.80	8.27	4.84	8.10	4.88	7.77	4.97
12 + 12	-10.0	9.34	4.80	8.89	4.88	8.44	4.83	8.27	4.77	8.10	4.71	7.77	4.59
	-5.0	9.34	4.31	8.89	4.19	8.44	4.07	8.27	4.01	8.10	3.95	7.77	3.83
	0.0	9.34	3.55	8.89	3.43	8.44	3.31	8.27	3.25	8.10	3.19	7.77	3.07
	6.0	9.34	2.64	8.89	2.52	8.44	2.40	8.27	2.34	8.10	2.28	7.77	2.16
	10.0	9.34	2.46	8.89	2.35	8.44	2.24	8.27	2.18	8.10	2.13	7.77	2.01
	15.0	9.34	2.24	8.89	2.14	8.44	2.04	8.27	1.99	8.10	1.94	7.77	1.83

**5. Capacity tables**

Combination Capacity Index (kBtu/h)	Outdoor Air Temp. (°CWB)	Indoor Air Temp. (°CDB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
7 + 18	-15.0	9.73	4.65	9.26	4.73	8.79	4.81	8.62	4.85	8.44	4.90	8.09	4.98
	-10.0	9.73	4.81	9.26	4.90	8.79	4.98	8.62	5.02	8.44	4.96	8.09	4.83
	-5.0	9.73	4.54	9.26	4.41	8.79	4.29	8.62	4.22	8.44	4.16	8.09	4.03
	0.0	9.73	3.74	9.26	3.61	8.79	3.49	8.62	3.42	8.44	3.36	8.09	3.23
	6.0	9.73	2.78	9.26	2.65	8.79	2.53	8.62	2.46	8.44	2.40	8.09	2.27
	10.0	9.73	2.59	9.26	2.48	8.79	2.36	8.62	2.30	8.44	2.24	8.09	2.12
	15.0	9.73	2.36	9.26	2.26	8.79	2.15	8.62	2.09	8.44	2.04	8.09	1.93
9 + 18	-15.0	10.32	4.67	10.00	4.75	9.50	4.84	9.31	4.88	9.12	4.92	8.74	5.00
	-10.0	10.51	4.84	10.00	4.92	9.50	5.00	9.31	5.05	9.12	5.09	8.74	5.17
	-5.0	10.51	5.00	10.00	4.88	9.50	4.74	9.31	4.67	9.12	4.60	8.74	4.46
	0.0	10.51	4.13	10.00	3.99	9.50	3.85	9.31	3.78	9.12	3.71	8.74	3.58
	6.0	10.51	3.07	10.00	2.93	9.50	2.79	9.31	2.72	9.12	2.65	8.74	2.51
	10.0	10.51	2.87	10.00	2.74	9.50	2.61	9.31	2.54	9.12	2.48	8.74	2.35
	15.0	10.51	2.61	10.00	2.49	9.50	2.37	9.31	2.31	9.12	2.26	8.74	2.14
12 + 18	-15.0	10.40	4.70	10.33	4.79	10.25	4.87	10.22	4.91	10.13	4.96	9.71	5.04
	-10.0	11.68	4.87	11.12	4.96	10.55	5.04	10.34	5.08	10.13	5.13	9.71	5.21
	-5.0	11.68	5.04	11.12	5.13	10.55	5.21	10.34	5.25	10.13	5.29	9.71	5.14
	0.0	11.68	4.76	11.12	4.60	10.55	4.44	10.34	4.36	10.13	4.28	9.71	4.12
	6.0	11.68	3.54	11.12	3.38	10.55	3.22	10.34	3.14	10.13	3.06	9.71	2.90
	10.0	11.68	3.30	11.12	3.15	10.55	3.00	10.34	2.93	10.13	2.85	9.71	2.70
	15.0	11.68	3.01	11.12	2.87	10.55	2.73	10.34	2.67	10.13	2.60	9.71	2.46
7 + 24	-15.0	10.43	4.71	10.35	4.80	10.28	4.88	10.25	4.93	10.21	4.97	10.03	5.05
	-10.0	11.76	4.88	11.49	4.97	10.90	5.05	10.68	5.10	10.47	5.14	10.03	5.22
	-5.0	12.07	5.05	11.49	5.14	10.90	5.22	10.68	5.27	10.47	5.31	10.03	5.37
	0.0	12.07	4.98	11.49	4.81	10.90	4.64	10.68	4.56	10.47	4.48	10.03	4.31
	6.0	12.07	3.70	11.49	3.53	10.90	3.37	10.68	3.28	10.47	3.20	10.03	3.03
	10.0	12.07	3.46	11.49	3.30	10.90	3.14	10.68	3.06	10.47	2.98	10.03	2.83
	15.0	12.07	3.15	11.49	3.00	10.90	2.86	10.68	2.79	10.47	2.72	10.03	2.57
9 + 24	-15.0	10.48	4.74	10.40	4.82	10.33	4.91	10.30	4.95	10.26	4.99	10.20	5.08
	-10.0	11.82	4.91	11.74	4.99	11.61	5.08	11.37	5.12	11.14	5.16	10.68	5.25
	-5.0	12.85	5.08	12.23	5.16	11.61	5.25	11.37	5.29	11.14	5.33	10.68	5.42
	0.0	12.85	5.25	12.23	5.25	11.61	5.07	11.37	4.98	11.14	4.89	10.68	4.70
	6.0	12.85	4.04	12.23	3.86	11.61	3.67	11.37	3.58	11.14	3.49	10.68	3.31
	10.0	12.85	3.77	12.23	3.60	11.61	3.43	11.37	3.34	11.14	3.26	10.68	3.09
	15.0	12.85	3.44	12.23	3.28	11.61	3.12	11.37	3.04	11.14	2.97	10.68	2.81
12 + 24	-15.0	10.55	5.02	10.48	5.11	10.40	5.20	10.37	5.25	10.34	5.29	10.27	5.38
	-10.0	11.90	5.20	11.83	5.29	11.75	5.38	11.72	5.43	11.69	5.47	11.62	5.56
	-5.0	13.25	5.38	13.18	5.47	12.66	5.56	12.41	5.61	12.16	5.65	11.65	5.74
	0.0	14.02	5.56	13.34	5.65	12.66	5.74	12.41	5.60	12.16	5.45	11.65	5.17
	6.0	14.02	4.58	13.34	4.37	12.66	4.16	12.41	4.06	12.16	3.95	11.65	3.74
	10.0	14.02	4.27	13.34	4.08	12.66	3.88	12.41	3.79	12.16	3.69	11.65	3.50
	15.0	14.02	3.89	13.34	3.71	12.66	3.54	12.41	3.45	12.16	3.36	11.65	3.18
18 + 18	-15.0	10.55	5.02	10.48	5.11	10.40	5.20	10.37	5.25	10.34	5.29	10.27	5.38
	-10.0	11.90	5.20	11.83	5.29	11.75	5.38	11.72	5.43	11.69	5.47	11.62	5.56
	-5.0	13.25	5.38	13.18	5.47	12.66	5.56	12.41	5.61	12.16	5.65	11.65	5.74
	0.0	14.02	5.56	13.34	5.65	12.66	5.74	12.41	5.60	12.16	5.45	11.65	5.17
	6.0	14.02	4.58	13.34	4.37	12.66	4.16	12.41	4.06	12.16	3.95	11.65	3.74
	10.0	14.02	4.27	13.34	4.08	12.66	3.88	12.41	3.79	12.16	3.69	11.65	3.50
	15.0	14.02	3.89	13.34	3.71	12.66	3.54	12.41	3.45	12.16	3.36	11.65	3.18
18 + 24	-15.0	10.63	5.83	10.56	5.93	10.48	6.04	10.45	6.09	10.41	6.14	10.35	6.25
	-10.0	11.99	6.04	11.91	6.14	11.84	6.25	11.81	6.30	11.77	6.35	11.71	6.46
	-5.0	13.35	6.25	13.27	6.35	13.20	6.46	13.16	6.51	13.13	6.56	12.62	6.67
	0.0	14.71	6.46	14.45	6.56	13.72	6.67	13.44	6.50	13.17	6.33	12.62	6.00
	6.0	15.18	5.31	14.45	5.07	13.72	4.83	13.44	4.71	13.17	4.59	12.62	4.35
	10.0	15.18	4.96	14.45	4.73	13.72	4.51	13.44	4.40	13.17	4.28	12.62	4.06
	15.0	15.18	4.52	14.45	4.31	13.72	4.11	13.44	4.00	13.17	3.90	12.62	3.70
24 + 24	-15.0	10.63	5.83	10.56	5.93	10.48	6.04	10.45	6.09	10.41	6.14	10.35	6.25
	-10.0	11.99	6.04	11.91	6.14	11.84	6.25	11.81	6.30	11.77	6.35	11.71	6.46
	-5.0	13.35	6.25	13.27	6.35	13.20	6.46	13.16	6.51	13.13	6.56	12.62	6.67
	0.0	14.71	6.46	14.45	6.56	13.72	6.67	13.44	6.50	13.17	6.33	12.62	6.00
	6.0	15.18	5.31	14.45	5.07	13.72	4.83	13.44	4.71	13.17	4.59	12.62	4.35
	10.0	15.18	4.96	14.45	4.73	13.72	4.51	13.44	4.40	13.17	4.28	12.62	4.06
	15.0	15.18	4.52	14.45	4.31	13.72	4.11	13.44	4.00	13.17	3.90	12.62	3.70
<b>3 Unit Operation</b>													
7 + 7 + 7	-15.0	8.18	4.38	7.78	4.29	7.39	4.20	7.24	4.15	7.09	4.11	6.80	4.02
	-10.0	8.18	3.81	7.78	3.72	7.39	3.63	7.24	3.58	7.09	3.54	6.80	3.45
	-5.0	8.18	3.24	7.78	3.15	7.39	3.06	7.24	3.01	7.09	2.97	6.80	2.88
	0.0	8.18	2.67	7.78	2.58	7.39	2.49	7.24	2.44	7.09	2.40	6.80	2.31
	6.0	8.18	1.98	7.78	1.89	7.39	1.80	7.24	1.76	7.09	1.71	6.80	1.62
	10.0	8.18	1.85	7.78	1.77	7.39	1.68	7.24	1.64	7.09	1.60	6.80	1.51
	15.0	8.18	1.68	7.78	1.61	7.39	1.53	7.24	1.49	7.09	1.45	6.80	1.38
7 + 7 + 9	-15.0	8.95	4.62	8.52	4.71	8.09	4.67	7.93	4.62	7.77	4.57	7.44	4.47
	-10.0	8.95	4.23	8.52	4.13	8.09	4.03	7.93	3.98	7.77	3.93	7.44	3.83
	-5.0	8.95	3.60	8.52	3.50	8.09	3.40	7.93	3.35	7.77	3.30	7.44	3.20
	0.0	8.95	2.96	8.52	2.86	8.09	2.76	7.93	2.71	7.77	2.66	7.44	2.56
	6.0	8.95	2.20	8.52	2.10	8.09	2.00	7.93	1.95	7.77	1.90	7.44	1.80
	10.0	8.95	2.06	8.52	1.96	8.09	1.87	7.93	1.82	7.77	1.78	7.44	1.68
	15.0	8.95	1.87	8.52	1.79	8.09	1.70	7.93	1.66	7.77	1.62	7.44	1.53

### 5. Capacity tables

Combination Capacity Index (kBtu/h)	Outdoor Air Temp. (°CWB)	Indoor Air Temp. (°CDB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
7 + 9 + 9	-15.0	9.73	4.65	9.26	4.73	8.79	4.81	8.62	4.85	8.44	4.90	8.09	4.93
	-10.0	9.73	4.67	9.26	4.56	8.79	4.45	8.62	4.39	8.44	4.34	8.09	4.23
	-5.0	9.73	3.97	9.26	3.86	8.79	3.75	8.62	3.69	8.44	3.64	8.09	3.53
	0.0	9.73	3.27	9.26	3.16	8.79	3.05	8.62	2.99	8.44	2.94	8.09	2.83
	6.0	9.73	2.43	9.26	2.32	8.79	2.21	8.62	2.15	8.44	2.10	8.09	1.99
	10.0	9.73	2.27	9.26	2.17	8.79	2.06	8.62	2.01	8.44	1.96	8.09	1.86
	15.0	9.73	2.07	9.26	1.97	8.79	1.88	8.62	1.83	8.44	1.78	8.09	1.69
7 + 7 + 12	-15.0	10.12	4.66	9.63	4.74	9.14	4.82	8.96	4.87	8.78	4.91	8.41	4.99
	-10.0	10.12	4.82	9.63	4.78	9.14	4.66	8.96	4.60	8.78	4.55	8.41	4.43
	-5.0	10.12	4.16	9.63	4.04	9.14	3.93	8.96	3.87	8.78	3.81	8.41	3.70
	0.0	10.12	3.43	9.63	3.31	9.14	3.19	8.96	3.14	8.78	3.08	8.41	2.96
	6.0	10.12	2.55	9.63	2.43	9.14	2.31	8.96	2.26	8.78	2.20	8.41	2.08
	10.0	10.12	2.38	9.63	2.27	9.14	2.16	8.96	2.11	8.78	2.05	8.41	1.94
	15.0	10.12	2.17	9.63	2.07	9.14	1.97	8.96	1.92	8.78	1.87	8.41	1.77
9 + 9 + 9	-15.0	10.32	4.67	10.00	4.75	9.50	4.84	9.31	4.88	9.12	4.92	8.74	5.00
	-10.0	10.51	4.84	10.00	4.92	9.50	4.88	9.31	4.82	9.12	4.76	8.74	4.64
	-5.0	10.51	4.35	10.00	4.23	9.50	4.11	9.31	4.05	9.12	3.99	8.74	3.87
	0.0	10.51	3.59	10.00	3.46	9.50	3.34	9.31	3.28	9.12	3.22	8.74	3.10
	6.0	10.51	2.67	10.00	2.54	9.50	2.42	9.31	2.36	9.12	2.30	8.74	2.18
	10.0	10.51	2.49	10.00	2.37	9.50	2.26	9.31	2.20	9.12	2.15	8.74	2.04
	15.0	10.51	2.27	10.00	2.16	9.50	2.06	9.31	2.01	9.12	1.96	8.74	1.85
7 + 9 + 12	-15.0	10.35	4.68	10.28	4.76	9.85	4.85	9.65	4.89	9.45	4.93	9.06	5.02
	-10.0	10.90	4.85	10.37	4.93	9.85	5.02	9.65	5.03	9.45	4.97	9.06	4.84
	-5.0	10.90	4.55	10.37	4.42	9.85	4.30	9.65	4.23	9.45	4.17	9.06	4.04
	0.0	10.90	3.75	10.37	3.62	9.85	3.49	9.65	3.43	9.45	3.37	9.06	3.24
	6.0	10.90	2.79	10.37	2.66	9.85	2.53	9.65	2.47	9.45	2.41	9.06	2.28
	10.0	10.90	2.60	10.37	2.48	9.85	2.36	9.65	2.30	9.45	2.24	9.06	2.13
	15.0	10.90	2.37	10.37	2.26	9.85	2.15	9.65	2.10	9.45	2.04	9.06	1.94
9 + 9 + 12	-15.0	10.40	4.70	10.33	4.79	10.25	4.87	10.22	4.91	10.13	4.96	9.71	5.04
	-10.0	11.68	4.87	11.12	4.96	10.55	5.04	10.34	5.08	10.13	5.13	9.71	5.21
	-5.0	11.68	4.95	11.12	4.81	10.55	4.67	10.34	4.61	10.13	4.54	9.71	4.40
	0.0	11.68	4.08	11.12	3.94	10.55	3.80	10.34	3.73	10.13	3.66	9.71	3.53
	6.0	11.68	3.03	11.12	2.89	10.55	2.75	10.34	2.69	10.13	2.62	9.71	2.48
	10.0	11.68	2.83	11.12	2.70	10.55	2.57	10.34	2.51	10.13	2.44	9.71	2.31
	15.0	11.68	2.58	11.12	2.46	10.55	2.34	10.34	2.28	10.13	2.22	9.71	2.11
7 + 12 + 12	-15.0	10.43	4.71	10.35	4.80	10.28	4.88	10.25	4.93	10.21	4.97	10.03	5.05
	-10.0	11.76	4.88	11.49	4.97	10.90	5.05	10.68	5.10	10.47	5.14	10.03	5.22
	-5.0	12.07	5.05	11.49	5.01	10.90	4.87	10.68	4.80	10.47	4.72	10.03	4.58
	0.0	12.07	4.25	11.49	4.10	10.90	3.96	10.68	3.89	10.47	3.82	10.03	3.67
	6.0	12.07	3.16	11.49	3.01	10.90	2.87	10.68	2.80	10.47	2.73	10.03	2.58
	10.0	12.07	2.95	11.49	2.81	10.90	2.68	10.68	2.61	10.47	2.54	10.03	2.41
	15.0	12.07	2.68	11.49	2.56	10.90	2.44	10.68	2.38	10.47	2.32	10.03	2.20
7 + 7 + 18	-15.0	10.45	4.73	10.38	4.81	10.30	4.90	10.27	4.94	10.24	4.98	10.17	5.07
	-10.0	11.79	4.90	11.71	4.98	11.25	5.07	11.03	5.11	10.80	5.15	10.35	5.24
	-5.0	12.46	5.07	11.86	5.15	11.25	5.06	11.03	4.99	10.80	4.92	10.35	4.77
	0.0	12.46	4.42	11.86	4.27	11.25	4.12	11.03	4.05	10.80	3.97	10.35	3.82
	6.0	12.46	3.28	11.86	3.14	11.25	2.99	11.03	2.91	10.80	2.84	10.35	2.69
	10.0	12.46	3.07	11.86	2.93	11.25	2.79	11.03	2.72	10.80	2.65	10.35	2.51
	15.0	12.46	2.79	11.86	2.66	11.25	2.54	11.03	2.47	10.80	2.41	10.35	2.28
9 + 12 + 12	-15.0	10.48	4.74	10.40	4.82	10.33	4.91	10.30	4.95	10.26	4.99	10.20	5.08
	-10.0	11.82	4.91	11.74	4.99	11.61	5.08	11.37	5.12	11.14	5.16	10.68	5.25
	-5.0	12.85	5.08	12.23	5.16	11.61	5.25	11.37	5.19	11.14	5.11	10.68	4.96
	0.0	12.85	4.59	12.23	4.44	11.61	4.28	11.37	4.21	11.14	4.13	10.68	3.97
	6.0	12.85	3.41	12.23	3.26	11.61	3.10	11.37	3.03	11.14	2.95	10.68	2.79
	10.0	12.85	3.19	12.23	3.04	11.61	2.90	11.37	2.82	11.14	2.75	10.68	2.61
	15.0	12.85	2.90	12.23	2.77	11.61	2.64	11.37	2.57	11.14	2.51	10.68	2.37
7 + 9 + 18	-15.0	10.50	4.75	10.43	4.84	10.35	4.92	10.32	4.96	10.29	5.01	10.22	5.09
	-10.0	11.85	4.92	11.77	5.01	11.70	5.09	11.66	5.13	11.48	5.18	11.00	5.26
	-5.0	13.19	5.09	12.60	5.18	11.96	5.26	11.72	5.30	11.48	5.31	11.00	5.15
	0.0	13.24	4.77	12.60	4.61	11.96	4.45	11.72	4.37	11.48	4.29	11.00	4.13
	6.0	13.24	3.55	12.60	3.38	11.96	3.22	11.72	3.14	11.48	3.06	11.00	2.90
	10.0	13.24	3.31	12.60	3.16	11.96	3.01	11.72	2.93	11.48	2.86	11.00	2.71
	15.0	13.24	3.01	12.60	2.88	11.96	2.74	11.72	2.67	11.48	2.60	11.00	2.47
9 + 9 + 18	-15.0	10.55	4.77	10.48	4.86	10.40	4.94	10.37	4.99	10.34	5.03	10.27	5.12
	-10.0	11.90	4.94	11.83	5.03	11.75	5.12	11.72	5.16	11.69	5.20	11.62	5.29
	-5.0	13.25	5.12	13.18	5.20	12.66	5.29	12.41	5.33	12.16	5.37	11.65	5.46
	0.0	14.02	5.28	13.34	5.10	12.66	4.92	12.41	4.83	12.16	4.74	11.65	4.57
	6.0	14.02	3.92	13.34	3.75	12.66	3.57	12.41	3.48	12.16	3.39	11.65	3.21
	10.0	14.02	3.66	13.34	3.50	12.66	3.33	12.41	3.25	12.16	3.16	11.65	3.00
	15.0	14.02	3.34	13.34	3.18	12.66	3.03	12.41	2.96	12.16	2.88	11.65	2.73
12 + 12 + 12	-15.0	10.55	4.77	10.48	4.86	10.40	4.94	10.37	4.99	10.34	5.03	10.27	5.12
	-10.0	11.90	4.94	11.83	5.03	11.75	5.12	11.72	5.16	11.69	5.20	11.62	5.29
	-5.0	13.25	5.12	13.18	5.20	12.66	5.29	12.41	5.33	12.16	5.37	11.65	5.46
	0.0	14.02	5.28	13.34	5.10	12.66	4.92	12.41	4.83	12.16	4.74	11.65	4.57
	6.0	14.02	3.92	13.34	3.75	12.66	3.57	12.41	3.48	12.16	3.39	11.65	3.21
	10.0	14.02	3.66	13.34	3.50	12.66	3.33	12.41	3.25	12.16	3.16	11.65	3.00
	15.0	14.02	3.34	13.34	3.18	12.66	3.03	12.41	2.96	12.16	2.88	11.65	2.73

# 5. Capacity tables

Combination Capacity Index (kBtu/h)	Outdoor Air Temp. (°CWB)	Indoor Air Temp. (°CDB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
7 + 12 + 18	-15.0	10.58	4.78	10.51	4.87	10.43	4.96	10.40	5.00	10.36	5.04	10.30	5.13
	-10.0	11.93	4.96	11.86	5.04	11.78	5.13	11.75	5.17	11.72	5.21	11.65	5.30
	-5.0	13.28	5.13	13.21	5.21	13.01	5.30	12.75	5.34	12.49	5.39	11.97	5.47
	0.0	14.41	5.30	13.71	5.36	13.01	5.18	12.75	5.08	12.49	4.99	11.97	4.80
	6.0	14.41	4.13	13.71	3.94	13.01	3.75	12.75	3.66	12.49	3.56	11.97	3.38
	10.0	14.41	3.85	13.71	3.68	13.01	3.50	12.75	3.41	12.49	3.33	11.97	3.15
7 + 7 + 24	-15.0	10.61	4.80	10.53	4.88	10.46	4.97	10.42	5.01	10.39	5.05	10.32	5.14
	-10.0	11.96	4.97	11.89	5.05	11.81	5.14	11.78	5.18	11.74	5.23	11.68	5.31
	-5.0	13.32	5.14	13.24	5.23	13.17	5.31	13.10	5.36	12.83	5.40	12.30	5.49
	0.0	14.67	5.31	14.08	5.40	13.36	5.42	13.10	5.33	12.83	5.21	12.30	4.94
	6.0	14.80	4.33	14.08	4.13	13.36	3.93	13.10	3.83	12.83	3.73	12.30	3.54
	10.0	14.80	4.04	14.08	3.85	13.36	3.67	13.10	3.58	12.83	3.49	12.30	3.30
9 + 12 + 18	-15.0	14.80	3.68	14.08	3.51	13.36	3.34	13.10	3.26	12.83	3.17	12.30	3.01
	-10.0	14.80	3.68	14.08	3.51	13.36	3.34	13.10	3.26	12.83	3.17	12.30	3.01
	-5.0	10.63	4.99	10.56	5.07	10.48	5.16	10.45	5.21	10.41	5.25	10.35	5.34
	-10.0	11.99	5.16	11.91	5.25	11.84	5.34	11.81	5.39	11.77	5.43	11.71	5.52
	0.0	13.35	5.34	13.27	5.43	13.20	5.52	13.16	5.57	13.13	5.61	12.62	5.70
	6.0	14.71	5.52	14.45	5.61	13.72	5.70	13.44	5.56	13.17	5.42	12.62	5.13
7 + 9 + 24	10.0	15.18	4.55	14.45	4.34	13.72	4.13	13.44	4.03	13.17	3.93	12.62	3.72
	15.0	15.18	4.24	14.45	4.05	13.72	3.86	13.44	3.76	13.17	3.66	12.62	3.47
	-15.0	10.66	5.22	10.58	5.32	10.51	5.41	10.47	5.46	10.44	5.50	10.37	5.60
	-10.0	12.02	5.41	11.94	5.50	11.87	5.60	11.83	5.65	11.80	5.69	11.73	5.79
	-5.0	13.38	5.60	13.31	5.69	13.23	5.79	13.20	5.83	13.16	5.88	12.94	5.97
	0.0	14.74	5.79	14.67	5.88	14.07	5.97	13.79	5.82	13.51	5.68	12.94	5.38
9 + 9 + 24	6.0	15.57	4.76	14.82	4.55	14.07	4.33	13.79	4.22	13.51	4.11	12.94	3.90
	10.0	15.57	4.45	14.82	4.24	14.07	4.04	13.79	3.94	13.51	3.84	12.94	3.64
	15.0	15.57	4.05	14.82	3.86	14.07	3.68	13.79	3.59	13.51	3.50	12.94	3.31
	-15.0	10.70	5.67	10.63	5.77	10.55	5.87	10.52	5.92	10.48	5.97	10.42	6.07
	-10.0	12.07	5.87	11.99	5.97	11.92	6.07	11.88	6.13	11.85	6.18	11.78	6.28
	-5.0	13.44	6.07	13.36	6.18	13.29	6.28	13.25	6.33	13.22	6.38	13.15	6.48
12 + 12 + 18	0.0	14.81	6.28	14.73	6.38	14.65	6.48	14.36	6.32	14.07	6.16	13.48	5.83
	6.0	16.22	5.17	15.44	4.93	14.65	4.70	14.36	4.58	14.07	4.46	13.48	4.23
	10.0	16.22	4.82	15.44	4.60	14.65	4.38	14.36	4.27	14.07	4.16	13.48	3.95
	15.0	16.22	4.39	15.44	4.19	14.65	3.99	14.36	3.89	14.07	3.79	13.48	3.59
	-15.0	10.70	5.67	10.63	5.77	10.55	5.87	10.52	5.92	10.48	5.97	10.42	6.07
	-10.0	12.07	5.87	11.99	5.97	11.92	6.07	11.88	6.13	11.85	6.18	11.78	6.28
7 + 12 + 24	-5.0	13.44	6.07	13.36	6.18	13.29	6.28	13.25	6.33	13.22	6.38	13.15	6.48
	0.0	14.81	6.28	14.73	6.38	14.65	6.48	14.36	6.32	14.07	6.16	13.48	5.83
	6.0	16.22	5.17	15.44	4.93	14.65	4.70	14.36	4.58	14.07	4.46	13.48	4.23
	10.0	16.22	4.82	15.44	4.60	14.65	4.38	14.36	4.27	14.07	4.16	13.48	3.95
	15.0	16.22	4.39	15.44	4.19	14.65	3.99	14.36	3.89	14.07	3.79	13.48	3.59
	-15.0	10.70	5.67	10.63	5.77	10.55	5.87	10.52	5.92	10.48	5.97	10.42	6.07
7 + 18 + 18	-10.0	12.07	5.87	11.99	5.97	11.92	6.07	11.88	6.13	11.85	6.18	11.78	6.28
	-5.0	13.44	6.07	13.36	6.18	13.29	6.28	13.25	6.33	13.22	6.38	13.15	6.48
	0.0	14.81	6.28	14.73	6.38	14.65	6.48	14.36	6.32	14.07	6.16	13.48	5.83
	6.0	16.22	5.17	15.44	4.93	14.65	4.70	14.36	4.58	14.07	4.46	13.48	4.23
	10.0	16.22	4.82	15.44	4.60	14.65	4.38	14.36	4.27	14.07	4.16	13.48	3.95
	15.0	16.22	4.39	15.44	4.19	14.65	3.99	14.36	3.89	14.07	3.79	13.48	3.59
9 + 12 + 24	-15.0	10.70	5.67	10.63	5.77	10.55	5.87	10.52	5.92	10.48	5.97	10.42	6.07
	-10.0	12.07	5.87	11.99	5.97	11.92	6.07	11.88	6.13	11.85	6.18	11.78	6.28
	-5.0	13.44	6.07	13.36	6.18	13.29	6.28	13.25	6.33	13.22	6.38	13.15	6.48
	0.0	14.81	6.28	14.73	6.38	14.65	6.48	14.36	6.32	14.07	6.16	13.48	5.83
	6.0	16.22	5.17	15.44	4.93	14.65	4.70	14.36	4.58	14.07	4.46	13.48	4.23
	10.0	16.22	4.82	15.44	4.60	14.65	4.38	14.36	4.27	14.07	4.16	13.48	3.95
9 + 18 + 18	15.0	16.22	4.39	15.44	4.19	14.65	3.99	14.36	3.89	14.07	3.79	13.48	3.59
	-15.0	10.70	5.67	10.63	5.77	10.55	5.87	10.52	5.92	10.48	5.97	10.42	6.07
	-10.0	12.07	5.87	11.99	5.97	11.92	6.07	11.88	6.13	11.85	6.18	11.78	6.28
	-5.0	13.44	6.07	13.36	6.18	13.29	6.28	13.25	6.33	13.22	6.38	13.15	6.48
	0.0	14.81	6.28	14.73	6.38	14.65	6.48	14.36	6.32	14.07	6.16	13.48	5.83
	6.0	16.22	5.17	15.44	4.93	14.65	4.70	14.36	4.58	14.07	4.46	13.48	4.23
12 + 12 + 24	10.0	16.22	4.82	15.44	4.60	14.65	4.38	14.36	4.27	14.07	4.16	13.48	3.95
	15.0	16.22	4.39	15.44	4.19	14.65	3.99	14.36	3.89	14.07	3.79	13.48	3.59
	-15.0	10.70	5.67	10.63	5.77	10.55	5.87	10.52	5.92	10.48	5.97	10.42	6.07
	-10.0	12.07	5.87	11.99	5.97	11.92	6.07	11.88	6.13	11.85	6.18	11.78	6.28
	-5.0	13.44	6.07	13.36	6.18	13.29	6.28	13.25	6.33	13.22	6.38	13.15	6.48
	0.0	14.81	6.28	14.73	6.38	14.65	6.48	14.36	6.32	14.07	6.16	13.48	5.83



### 5. Capacity tables

Combination Capacity Index (kBtu/h)	Outdoor Air Temp. (°CWB)	Indoor Air Temp. (°CDB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
7+7+7+7	-15.0	10.35	4.68	10.28	4.76	9.85	4.85	9.65	4.89	9.45	4.93	9.06	5.02
	-10.0	10.90	4.85	10.37	4.92	9.85	4.80	9.65	4.74	9.45	4.68	9.06	4.56
	-5.0	10.90	4.28	10.37	4.17	9.85	4.05	9.65	3.99	9.45	3.93	9.06	3.81
	0.0	10.90	3.53	10.37	3.41	9.85	3.29	9.65	3.23	9.45	3.17	9.06	3.05
	6.0	10.90	2.62	10.37	2.50	9.85	2.38	9.65	2.32	9.45	2.27	9.06	2.15
	10.0	10.90	2.45	10.37	2.34	9.85	2.23	9.65	2.17	9.45	2.11	9.06	2.00
	15.0	10.90	2.23	10.37	2.13	9.85	2.03	9.65	1.98	9.45	1.93	9.06	1.82
7+7+7+9	-15.0	10.40	4.70	10.33	4.79	10.25	4.87	10.22	4.91	10.13	4.96	9.71	5.04
	-10.0	11.68	4.87	11.12	4.96	10.55	5.04	10.34	5.08	10.13	5.09	9.71	4.96
	-5.0	11.68	4.66	11.12	4.53	10.55	4.40	10.34	4.33	10.13	4.27	9.71	4.14
	0.0	11.68	3.84	11.12	3.71	10.55	3.58	10.34	3.51	10.13	3.45	9.71	3.32
	6.0	11.68	2.85	11.12	2.72	10.55	2.59	10.34	2.53	10.13	2.46	9.71	2.33
	10.0	11.68	2.66	11.12	2.54	10.55	2.42	10.34	2.36	10.13	2.30	9.71	2.18
	15.0	11.68	2.42	11.12	2.31	10.55	2.20	10.34	2.15	10.13	2.09	9.71	1.98
7+7+9+9	-15.0	10.45	4.73	10.38	4.81	10.30	4.90	10.27	4.94	10.24	4.98	10.17	5.07
	-10.0	11.79	4.90	11.71	4.98	11.25	5.07	11.03	5.11	10.80	5.15	10.35	5.24
	-5.0	12.46	5.04	11.86	4.90	11.25	4.76	11.03	4.69	10.80	4.62	10.35	4.48
	0.0	12.46	4.15	11.86	4.01	11.25	3.87	11.03	3.80	10.80	3.73	10.35	3.59
	6.0	12.46	3.09	11.86	2.95	11.25	2.81	11.03	2.74	10.80	2.67	10.35	2.53
	10.0	12.46	2.88	11.86	2.75	11.25	2.62	11.03	2.55	10.80	2.49	10.35	2.36
	15.0	12.46	2.63	11.86	2.51	11.25	2.39	11.03	2.33	10.80	2.27	10.35	2.15
7+7+7+12	-15.0	10.48	4.74	10.40	4.82	10.33	4.91	10.30	4.95	10.26	4.99	10.20	5.08
	-10.0	11.82	4.91	11.74	4.99	11.61	5.08	11.37	5.12	11.14	5.16	10.68	5.25
	-5.0	12.85	5.08	12.23	5.12	11.61	4.97	11.37	4.90	11.14	4.83	10.68	4.68
	0.0	12.85	4.34	12.23	4.19	11.61	4.04	11.37	3.97	11.14	3.90	10.68	3.75
	6.0	12.85	3.23	12.23	3.08	11.61	2.93	11.37	2.86	11.14	2.78	10.68	2.64
	10.0	12.85	3.01	12.23	2.87	11.61	2.74	11.37	2.67	11.14	2.60	10.68	2.46
	15.0	12.85	2.74	12.23	2.62	11.61	2.49	11.37	2.43	11.14	2.37	10.68	2.24
7+9+9+9	-15.0	10.50	4.75	10.43	4.84	10.35	4.92	10.32	4.96	10.29	5.01	10.22	5.09
	-10.0	11.85	4.92	11.77	5.01	11.70	5.09	11.66	5.13	11.48	5.18	11.00	5.26
	-5.0	13.19	5.09	12.60	5.18	11.96	5.12	11.72	5.05	11.48	4.97	11.00	4.82
	0.0	13.24	4.47	12.60	4.32	11.96	4.17	11.72	4.09	11.48	4.02	11.00	3.87
	6.0	13.24	3.32	12.60	3.17	11.96	3.02	11.72	2.94	11.48	2.87	11.00	2.72
	10.0	13.24	3.10	12.60	2.96	11.96	2.82	11.72	2.75	11.48	2.68	11.00	2.54
	15.0	13.24	2.82	12.60	2.70	11.96	2.57	11.72	2.50	11.48	2.44	11.00	2.31
7+7+9+12	-15.0	10.53	4.76	10.45	4.85	10.38	4.93	10.35	4.98	10.31	5.02	10.25	5.10
	-10.0	11.87	4.93	11.80	5.02	11.72	5.10	11.69	5.15	11.66	5.19	11.33	5.27
	-5.0	13.22	5.10	12.97	5.19	12.31	5.27	12.06	5.24	11.82	5.16	11.33	5.00
	0.0	13.63	4.64	12.97	4.48	12.31	4.32	12.06	4.24	11.82	4.17	11.33	4.01
	6.0	13.63	3.45	12.97	3.29	12.31	3.13	12.06	3.05	11.82	2.98	11.33	2.82
	10.0	13.63	3.22	12.97	3.07	12.31	2.92	12.06	2.85	11.82	2.78	11.33	2.63
	15.0	13.63	2.93	12.97	2.80	12.31	2.66	12.06	2.60	11.82	2.53	11.33	2.40
9+9+9+9	-15.0	10.55	4.77	10.48	4.86	10.40	4.94	10.37	4.99	10.34	5.03	10.27	5.12
	-10.0	11.90	4.94	11.83	5.03	11.75	5.12	11.72	5.16	11.69	5.20	11.62	5.29
	-5.0	13.25	5.12	13.18	5.20	12.66	5.29	12.41	5.33	12.16	5.37	11.65	5.24
	0.0	14.02	4.86	13.34	4.69	12.66	4.53	12.41	4.44	12.16	4.36	11.65	4.20
	6.0	14.02	3.61	13.34	3.44	12.66	3.28	12.41	3.20	12.16	3.12	11.65	2.95
	10.0	14.02	3.37	13.34	3.22	12.66	3.06	12.41	2.99	12.16	2.91	11.65	2.76
	15.0	14.02	3.07	13.34	2.93	12.66	2.79	12.41	2.72	12.16	2.65	11.65	2.51
7+9+9+12	-15.0	10.58	4.78	10.51	4.87	10.43	4.96	10.40	5.00	10.36	5.04	10.30	5.13
	-10.0	11.93	4.96	11.86	5.04	11.78	5.13	11.75	5.17	11.72	5.21	11.65	5.30
	-5.0	13.28	5.13	13.21	5.21	13.01	5.30	12.75	5.34	12.49	5.39	11.97	5.47
	0.0	14.41	5.08	13.71	4.91	13.01	4.74	12.75	4.65	12.49	4.57	11.97	4.40
	6.0	14.41	3.78	13.71	3.61	13.01	3.43	12.75	3.35	12.49	3.26	11.97	3.09
	10.0	14.41	3.53	13.71	3.37	13.01	3.20	12.75	3.12	12.49	3.04	11.97	2.88
	15.0	14.41	3.21	13.71	3.06	13.01	2.92	12.75	2.85	12.49	2.77	11.97	2.63
7+7+12+12	-15.0	10.61	4.80	10.53	4.88	10.46	4.97	10.42	5.01	10.39	5.05	10.32	5.14
	-10.0	11.96	4.97	11.89	5.05	11.81	5.14	11.78	5.18	11.74	5.23	11.68	5.31
	-5.0	13.32	5.14	13.24	5.23	13.17	5.31	13.10	5.36	12.83	5.40	12.30	5.49
	0.0	14.67	5.31	14.08	5.13	13.36	4.95	13.10	4.86	12.83	4.77	12.30	4.59
	6.0	14.80	3.95	14.08	3.77	13.36	3.59	13.10	3.50	12.83	3.41	12.30	3.23
	10.0	14.80	3.68	14.08	3.52	13.36	3.35	13.10	3.27	12.83	3.18	12.30	3.01
	15.0	14.80	3.36	14.08	3.20	13.36	3.05	13.10	2.97	12.83	2.90	12.30	2.75
7+7+7+18	-15.0	10.63	4.81	10.56	4.89	10.48	4.98	10.45	5.02	10.41	5.07	10.35	5.15
	-10.0	11.99	4.98	11.91	5.07	11.84	5.15	11.81	5.20	11.77	5.24	11.71	5.33
	-5.0	13.35	5.15	13.27	5.24	13.20	5.33	13.16	5.37	13.13	5.41	12.62	5.50
	0.0	14.71	5.33	14.45	5.36	13.72	5.17	13.44	5.08	13.17	4.98	12.62	4.80
	6.0	15.18	4.12	14.45	3.94	13.72	3.75	13.44	3.65	13.17	3.56	12.62	3.37
	10.0	15.18	3.85	14.45	3.67	13.72	3.50	13.44	3.41	13.17	3.32	12.62	3.15
	15.0	15.18	3.51	14.45	3.35	13.72	3.19	13.44	3.11	13.17	3.03	12.62	2.87
9+9+9+12	-15.0	10.63	4.81	10.56	4.89	10.48	4.98	10.45	5.02	10.41	5.07	10.35	5.15
	-10.0	11.99	4.98	11.91	5.07	11.84	5.15	11.81	5.20	11.77	5.24	11.71	5.33
	-5.0	13.35	5.15	13.27	5.24	13.20	5.33	13.16	5.37	13.13	5.41	12.62	5.50
	0.0	14.71	5.33	14.45	5.36	13.72	5.17	13.44	5.08	13.17	4.98	12.62	4.80
	6.0	15.18	4.12	14.45	3.94	13.72	3.75	13.44	3.65	13.17	3.56	12.62	3.37
	10.0	15.18	3.85	14.45	3.67	13.72	3.50	13.44	3.41	13.17	3.32	12.62	3.15
	15.0	15.18	3.51	14.45	3.35	13.72	3.19	13.44	3.11	13.17	3.03	12.62	2.87

# 5. Capacity tables

Combination Capacity Index (kBtu/h)	Outdoor Air Temp. (°CWB)	Indoor Air Temp. (°CDB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
7 + 9 + 12 + 12	-15.0	10.66	4.82	10.58	4.91	10.51	4.99	10.47	5.04	10.44	5.08	10.37	5.17
	-10.0	12.02	4.99	11.94	5.08	11.87	5.17	11.83	5.21	11.80	5.25	11.73	5.34
	-5.0	13.38	5.17	13.31	5.25	13.23	5.34	13.20	5.38	13.16	5.43	12.94	5.51
	0.0	14.74	5.34	14.67	5.43	14.07	5.40	13.79	5.30	13.51	5.20	12.94	4.96
	6.0	15.57	4.31	14.82	4.11	14.07	3.91	13.79	3.82	13.51	3.72	12.94	3.52
	10.0	15.57	4.02	14.82	3.84	14.07	3.65	13.79	3.56	13.51	3.47	12.94	3.29
15.0	15.57	3.66	14.82	3.49	14.07	3.33	13.79	3.24	13.51	3.16	12.94	2.99	
7 + 7 + 9 + 18	-15.0	10.68	4.93	10.61	5.02	10.53	5.11	10.50	5.15	10.46	5.19	10.40	5.28
	-10.0	12.05	5.11	11.97	5.19	11.90	5.28	11.86	5.33	11.83	5.37	11.76	5.46
	-5.0	13.41	5.28	13.34	5.37	13.26	5.46	13.23	5.50	13.19	5.55	13.13	5.64
	0.0	14.78	5.46	14.70	5.55	14.42	5.64	14.13	5.50	13.84	5.36	13.27	5.07
	6.0	15.96	4.50	15.19	4.29	14.42	4.08	14.13	3.98	13.84	3.88	13.27	3.68
	10.0	15.96	4.20	15.19	4.00	14.42	3.81	14.13	3.72	13.84	3.62	13.27	3.43
15.0	15.96	3.82	15.19	3.65	14.42	3.47	14.13	3.39	13.84	3.30	13.27	3.13	
9 + 9 + 12 + 12	-15.0	10.70	5.07	10.63	5.16	10.55	5.25	10.52	5.30	10.48	5.34	10.42	5.43
	-10.0	12.07	5.25	11.99	5.34	11.92	5.43	11.88	5.48	11.85	5.52	11.78	5.61
	-5.0	13.44	5.43	13.36	5.52	13.29	5.61	13.25	5.66	13.22	5.71	13.15	5.80
	0.0	14.81	5.61	14.73	5.71	14.65	5.80	14.36	5.65	14.07	5.51	13.48	5.22
	6.0	16.22	4.62	15.44	4.41	14.65	4.20	14.36	4.10	14.07	3.99	13.48	3.78
	10.0	16.22	4.31	15.44	4.12	14.65	3.92	14.36	3.82	14.07	3.72	13.48	3.53
15.0	16.22	3.93	15.44	3.75	14.65	3.57	14.36	3.48	14.07	3.39	13.48	3.21	
7 + 9 + 9 + 18	-15.0	10.70	5.07	10.63	5.16	10.55	5.25	10.52	5.30	10.48	5.34	10.42	5.43
	-10.0	12.07	5.25	11.99	5.34	11.92	5.43	11.88	5.48	11.85	5.52	11.78	5.61
	-5.0	13.44	5.43	13.36	5.52	13.29	5.61	13.25	5.66	13.22	5.71	13.15	5.80
	0.0	14.81	5.61	14.73	5.71	14.65	5.80	14.36	5.65	14.07	5.51	13.48	5.22
	6.0	16.22	4.62	15.44	4.41	14.65	4.20	14.36	4.10	14.07	3.99	13.48	3.78
	10.0	16.22	4.31	15.44	4.12	14.65	3.92	14.36	3.82	14.07	3.72	13.48	3.53
15.0	16.22	3.93	15.44	3.75	14.65	3.57	14.36	3.48	14.07	3.39	13.48	3.21	
7 + 12 + 12 + 12	-15.0	10.70	5.07	10.63	5.16	10.55	5.25	10.52	5.30	10.48	5.34	10.42	5.43
	-10.0	12.07	5.25	11.99	5.34	11.92	5.43	11.88	5.48	11.85	5.52	11.78	5.61
	-5.0	13.44	5.43	13.36	5.52	13.29	5.61	13.25	5.66	13.22	5.71	13.15	5.80
	0.0	14.81	5.61	14.73	5.71	14.65	5.80	14.36	5.65	14.07	5.51	13.48	5.22
	6.0	16.22	4.62	15.44	4.41	14.65	4.20	14.36	4.10	14.07	3.99	13.48	3.78
	10.0	16.22	4.31	15.44	4.12	14.65	3.92	14.36	3.82	14.07	3.72	13.48	3.53
15.0	16.22	3.93	15.44	3.75	14.65	3.57	14.36	3.48	14.07	3.39	13.48	3.21	
7 + 7 + 12 + 18	-15.0	10.70	5.07	10.63	5.16	10.55	5.25	10.52	5.30	10.48	5.34	10.42	5.43
	-10.0	12.07	5.25	11.99	5.34	11.92	5.43	11.88	5.48	11.85	5.52	11.78	5.61
	-5.0	13.44	5.43	13.36	5.52	13.29	5.61	13.25	5.66	13.22	5.71	13.15	5.80
	0.0	14.81	5.61	14.73	5.71	14.65	5.80	14.36	5.65	14.07	5.51	13.48	5.22
	6.0	16.22	4.62	15.44	4.41	14.65	4.20	14.36	4.10	14.07	3.99	13.48	3.78
	10.0	16.22	4.31	15.44	4.12	14.65	3.92	14.36	3.82	14.07	3.72	13.48	3.53
15.0	16.22	3.93	15.44	3.75	14.65	3.57	14.36	3.48	14.07	3.39	13.48	3.21	
7 + 7 + 7 + 24	-15.0	10.70	5.07	10.63	5.16	10.55	5.25	10.52	5.30	10.48	5.34	10.42	5.43
	-10.0	12.07	5.25	11.99	5.34	11.92	5.43	11.88	5.48	11.85	5.52	11.78	5.61
	-5.0	13.44	5.43	13.36	5.52	13.29	5.61	13.25	5.66	13.22	5.71	13.15	5.80
	0.0	14.81	5.61	14.73	5.71	14.65	5.80	14.36	5.65	14.07	5.51	13.48	5.22
	6.0	16.22	4.62	15.44	4.41	14.65	4.20	14.36	4.10	14.07	3.99	13.48	3.78
	10.0	16.22	4.31	15.44	4.12	14.65	3.92	14.36	3.82	14.07	3.72	13.48	3.53
15.0	16.22	3.93	15.44	3.75	14.65	3.57	14.36	3.48	14.07	3.39	13.48	3.21	
9 + 9 + 9 + 18	-15.0	10.70	5.07	10.63	5.16	10.55	5.25	10.52	5.30	10.48	5.34	10.42	5.43
	-10.0	12.07	5.25	11.99	5.34	11.92	5.43	11.88	5.48	11.85	5.52	11.78	5.61
	-5.0	13.44	5.43	13.36	5.52	13.29	5.61	13.25	5.66	13.22	5.71	13.15	5.80
	0.0	14.81	5.61	14.73	5.71	14.65	5.80	14.36	5.65	14.07	5.51	13.48	5.22
	6.0	16.22	4.62	15.44	4.41	14.65	4.20	14.36	4.10	14.07	3.99	13.48	3.78
	10.0	16.22	4.31	15.44	4.12	14.65	3.92	14.36	3.82	14.07	3.72	13.48	3.53
15.0	16.22	3.93	15.44	3.75	14.65	3.57	14.36	3.48	14.07	3.39	13.48	3.21	
9 + 12 + 12 + 12	-15.0	10.70	5.07	10.63	5.16	10.55	5.25	10.52	5.30	10.48	5.34	10.42	5.43
	-10.0	12.07	5.25	11.99	5.34	11.92	5.43	11.88	5.48	11.85	5.52	11.78	5.61
	-5.0	13.44	5.43	13.36	5.52	13.29	5.61	13.25	5.66	13.22	5.71	13.15	5.80
	0.0	14.81	5.61	14.73	5.71	14.65	5.80	14.36	5.65	14.07	5.51	13.48	5.22
	6.0	16.22	4.62	15.44	4.41	14.65	4.20	14.36	4.10	14.07	3.99	13.48	3.78
	10.0	16.22	4.31	15.44	4.12	14.65	3.92	14.36	3.82	14.07	3.72	13.48	3.53
15.0	16.22	3.93	15.44	3.75	14.65	3.57	14.36	3.48	14.07	3.39	13.48	3.21	
7 + 9 + 12 + 18	-15.0	10.70	5.07	10.63	5.16	10.55	5.25	10.52	5.30	10.48	5.34	10.42	5.43
	-10.0	12.07	5.25	11.99	5.34	11.92	5.43	11.88	5.48	11.85	5.52	11.78	5.61
	-5.0	13.44	5.43	13.36	5.52	13.29	5.61	13.25	5.66	13.22	5.71	13.15	5.80
	0.0	14.81	5.61	14.73	5.71	14.65	5.80	14.36	5.65	14.07	5.51	13.48	5.22
	6.0	16.22	4.62	15.44	4.41	14.65	4.20	14.36	4.10	14.07	3.99	13.48	3.78
	10.0	16.22	4.31	15.44	4.12	14.65	3.92	14.36	3.82	14.07	3.72	13.48	3.53
15.0	16.22	3.93	15.44	3.75	14.65	3.57	14.36	3.48	14.07	3.39	13.48	3.21	
7 + 7 + 9 + 24	-15.0	10.70	5.07	10.63	5.16	10.55	5.25	10.52	5.30	10.48	5.34	10.42	5.43
	-10.0	12.07	5.25	11.99	5.34	11.92	5.43	11.88	5.48	11.85	5.52	11.78	5.61
	-5.0	13.44	5.43	13.36	5.52	13.29	5.61	13.25	5.66	13.22	5.71	13.15	5.80
	0.0	14.81	5.61	14.73	5.71	14.65	5.80	14.36	5.65	14.07	5.51	13.48	5.22
	6.0	16.22	4.62	15.44	4.41	14.65	4.20	14.36	4.10	14.07	3.99	13.48	3.78
	10.0	16.22	4.31	15.44	4.12	14.65	3.92	14.36	3.82	14.07	3.72	13.48	3.53
15.0	16.22	3.93	15.44	3.75	14.65	3.57	14.36	3.48	14.07	3.39	13.48	3.21	









# 5. Capacity tables

Combination Capacity Index (kBtu/h)	Outdoor Air Temp. (°CWB)	Indoor Air Temp. (°CDB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
9 + 12 + 24 + 24	-15.0	10.70	5.07	10.63	5.16	10.55	5.25	10.52	5.30	10.48	5.34	10.42	5.43
	-10.0	12.07	5.25	11.99	5.34	11.92	5.43	11.88	5.48	11.85	5.52	11.78	5.61
	-5.0	13.44	5.43	13.36	5.52	13.29	5.61	13.25	5.66	13.22	5.71	13.15	5.80
	0.0	14.81	5.61	14.73	5.71	14.65	5.80	14.36	5.65	14.07	5.51	13.48	5.22
	6.0	16.22	4.62	15.44	4.41	14.65	4.20	14.36	4.10	14.07	3.99	13.48	3.78
	10.0	16.22	4.31	15.44	4.12	14.65	3.92	14.36	3.82	14.07	3.72	13.48	3.53
	15.0	16.22	3.93	15.44	3.75	14.65	3.57	14.36	3.48	14.07	3.39	13.48	3.21
9 + 18 + 18 + 24	-15.0	10.70	5.07	10.63	5.16	10.55	5.25	10.52	5.30	10.48	5.34	10.42	5.43
	-10.0	12.07	5.25	11.99	5.34	11.92	5.43	11.88	5.48	11.85	5.52	11.78	5.61
	-5.0	13.44	5.43	13.36	5.52	13.29	5.61	13.25	5.66	13.22	5.71	13.15	5.80
	0.0	14.81	5.61	14.73	5.71	14.65	5.80	14.36	5.65	14.07	5.51	13.48	5.22
	6.0	16.22	4.62	15.44	4.41	14.65	4.20	14.36	4.10	14.07	3.99	13.48	3.78
	10.0	16.22	4.31	15.44	4.12	14.65	3.92	14.36	3.82	14.07	3.72	13.48	3.53
	15.0	16.22	3.93	15.44	3.75	14.65	3.57	14.36	3.48	14.07	3.39	13.48	3.21
12 + 12 + 24 + 24	-15.0	10.70	5.07	10.63	5.16	10.55	5.25	10.52	5.30	10.48	5.34	10.42	5.43
	-10.0	12.07	5.25	11.99	5.34	11.92	5.43	11.88	5.48	11.85	5.52	11.78	5.61
	-5.0	13.44	5.43	13.36	5.52	13.29	5.61	13.25	5.66	13.22	5.71	13.15	5.80
	0.0	14.81	5.61	14.73	5.71	14.65	5.80	14.36	5.65	14.07	5.51	13.48	5.22
	6.0	16.22	4.62	15.44	4.41	14.65	4.20	14.36	4.10	14.07	3.99	13.48	3.78
	10.0	16.22	4.31	15.44	4.12	14.65	3.92	14.36	3.82	14.07	3.72	13.48	3.53
	15.0	16.22	3.93	15.44	3.75	14.65	3.57	14.36	3.48	14.07	3.39	13.48	3.21
12 + 18 + 18 + 24	-15.0	10.70	5.07	10.63	5.16	10.55	5.25	10.52	5.30	10.48	5.34	10.42	5.43
	-10.0	12.07	5.25	11.99	5.34	11.92	5.43	11.88	5.48	11.85	5.52	11.78	5.61
	-5.0	13.44	5.43	13.36	5.52	13.29	5.61	13.25	5.66	13.22	5.71	13.15	5.80
	0.0	14.81	5.61	14.73	5.71	14.65	5.80	14.36	5.65	14.07	5.51	13.48	5.22
	6.0	16.22	4.62	15.44	4.41	14.65	4.20	14.36	4.10	14.07	3.99	13.48	3.78
	10.0	16.22	4.31	15.44	4.12	14.65	3.92	14.36	3.82	14.07	3.72	13.48	3.53
	15.0	16.22	3.93	15.44	3.75	14.65	3.57	14.36	3.48	14.07	3.39	13.48	3.21
18 + 18 + 18 + 18	-15.0	10.70	5.07	10.63	5.16	10.55	5.25	10.52	5.30	10.48	5.34	10.42	5.43
	-10.0	12.07	5.25	11.99	5.34	11.92	5.43	11.88	5.48	11.85	5.52	11.78	5.61
	-5.0	13.44	5.43	13.36	5.52	13.29	5.61	13.25	5.66	13.22	5.71	13.15	5.80
	0.0	14.81	5.61	14.73	5.71	14.65	5.80	14.36	5.65	14.07	5.51	13.48	5.22
	6.0	16.22	4.62	15.44	4.41	14.65	4.20	14.36	4.10	14.07	3.99	13.48	3.78
	10.0	16.22	4.31	15.44	4.12	14.65	3.92	14.36	3.82	14.07	3.72	13.48	3.53
	15.0	16.22	3.93	15.44	3.75	14.65	3.57	14.36	3.48	14.07	3.39	13.48	3.21
5 Unit Operation													
7 + 7 + 7 + 7 + 7	-15.0	10.53	4.76	10.45	4.85	10.38	4.93	10.35	4.98	10.31	5.02	10.25	5.10
	-10.0	11.87	4.93	11.80	5.02	11.72	5.10	11.69	5.15	11.66	5.19	11.33	5.27
	-5.0	13.22	5.10	12.97	5.19	12.31	5.05	12.06	4.98	11.82	4.90	11.33	4.75
	0.0	13.63	4.41	12.97	4.26	12.31	4.11	12.06	4.03	11.82	3.96	11.33	3.81
	6.0	13.63	3.28	12.97	3.13	12.31	2.98	12.06	2.90	11.82	2.83	11.33	2.68
	10.0	13.63	3.06	12.97	2.92	12.31	2.78	12.06	2.71	11.82	2.64	11.33	2.50
	15.0	13.63	2.78	12.97	2.66	12.31	2.53	12.06	2.47	11.82	2.40	11.33	2.28
7 + 7 + 7 + 7 + 9	-15.0	10.58	4.78	10.51	4.87	10.43	4.96	10.40	5.00	10.36	5.04	10.30	5.13
	-10.0	11.93	4.96	11.86	5.04	11.78	5.13	11.75	5.17	11.72	5.21	11.65	5.30
	-5.0	13.28	5.13	13.21	5.21	13.01	5.30	12.75	5.34	12.49	5.39	11.97	5.27
	0.0	14.41	4.89	13.71	4.72	13.01	4.56	12.75	4.48	12.49	4.39	11.97	4.23
	6.0	14.41	3.63	13.71	3.47	13.01	3.30	12.75	3.22	12.49	3.14	11.97	2.97
	10.0	14.41	3.39	13.71	3.24	13.01	3.08	12.75	3.01	12.49	2.93	11.97	2.77
	15.0	14.41	3.09	13.71	2.95	13.01	2.81	12.75	2.74	12.49	2.67	11.97	2.53
7 + 7 + 7 + 9 + 9	-15.0	10.63	4.81	10.56	4.89	10.48	4.98	10.45	5.02	10.41	5.07	10.35	5.15
	-10.0	11.99	4.98	11.91	5.07	11.84	5.15	11.81	5.20	11.77	5.24	11.71	5.33
	-5.0	13.35	5.15	13.27	5.24	13.20	5.33	13.16	5.37	13.13	5.41	12.62	5.50
	0.0	14.71	5.33	14.45	5.22	13.72	5.03	13.44	4.94	13.17	4.85	12.62	4.67
	6.0	15.18	4.01	14.45	3.83	13.72	3.65	13.44	3.56	13.17	3.47	12.62	3.28
	10.0	15.18	3.75	14.45	3.58	13.72	3.40	13.44	3.32	13.17	3.23	12.62	3.06
	15.0	15.18	3.41	14.45	3.26	13.72	3.10	13.44	3.02	13.17	2.95	12.62	2.79
7 + 7 + 7 + 7 + 12	-15.0	10.66	4.82	10.58	4.91	10.51	4.99	10.47	5.04	10.44	5.08	10.37	5.17
	-10.0	12.02	4.99	11.94	5.08	11.87	5.17	11.83	5.21	11.80	5.25	11.73	5.34
	-5.0	13.38	5.17	13.31	5.25	13.23	5.34	13.20	5.38	13.16	5.43	12.94	5.51
	0.0	14.74	5.34	14.67	5.43	14.07	5.29	13.79	5.19	13.51	5.10	12.94	4.91
	6.0	15.57	4.22	14.82	4.03	14.07	3.83	13.79	3.74	13.51	3.64	12.94	3.45
	10.0	15.57	3.94	14.82	3.76	14.07	3.58	13.79	3.49	13.51	3.40	12.94	3.22
	15.0	15.57	3.59	14.82	3.42	14.07	3.26	13.79	3.18	13.51	3.10	12.94	2.93
7 + 7 + 9 + 9 + 9	-15.0	10.68	4.83	10.61	4.92	10.53	5.00	10.50	5.05	10.46	5.09	10.40	5.18
	-10.0	12.05	5.00	11.97	5.09	11.90	5.18	11.86	5.22	11.83	5.26	11.76	5.35
	-5.0	13.41	5.18	13.34	5.26	13.26	5.35	13.23	5.39	13.19	5.44	13.13	5.53
	0.0	14.78	5.35	14.70	5.44	14.42	5.44	14.13	5.34	13.84	5.24	13.27	4.97
	6.0	15.96	4.34	15.19	4.14	14.42	3.94	14.13	3.84	13.84	3.74	13.27	3.55
	10.0	15.96	4.05	15.19	3.86	14.42	3.68	14.13	3.59	13.84	3.49	13.27	3.31
	15.0	15.96	3.69	15.19	3.52	14.42	3.35	14.13	3.27	13.84	3.18	13.27	3.01
7 + 7 + 7 + 9 + 12	-15.0	10.70	4.84	10.63	4.93	10.55	5.02	10.52	5.06	10.48	5.11	10.42	5.19
	-10.0	12.07	5.02	11.99	5.11	11.92	5.19	11.88	5.24	11.85	5.28	11.78	5.37
	-5.0	13.44	5.19	13.36	5.28	13.29	5.37	13.25	5.41	13.22	5.45	13.15	5.54
	0.0	14.81	5.37	14.73	5.45	14.65	5.54	14.36	5.40	14.07	5.26	13.48	4.99
	6.0	16.22	4.42	15.44	4.22	14.65	4.01	14.36	3.91	14.07	3.81	13.48	3.61
	10.0	16.22	4.12	15.44	3.94	14.65	3.75	14.36	3.65	14.07	3.56	13.48	3.37
	15.0	16.22	3.76	15.44	3.58	14.65	3.41	14.36	3.33	14.07	3.24	13.48	3.07





### 5. Capacity tables

Combination Capacity Index (kBtu/h)	Outdoor Air Temp. (°CWB)	Indoor Air Temp. (°CDB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
7 + 12 + 12 + 12 + 12	-15.0	10.70	4.84	10.63	4.93	10.55	5.02	10.52	5.06	10.48	5.11	10.42	5.19
	-10.0	12.07	5.02	11.99	5.11	11.92	5.19	11.88	5.24	11.85	5.28	11.78	5.37
	-5.0	13.44	5.19	13.36	5.28	13.29	5.37	13.25	5.41	13.22	5.45	13.15	5.54
	0.0	14.81	5.37	14.73	5.45	14.65	5.54	14.36	5.40	14.07	5.26	13.48	4.99
	6.0	16.22	4.42	15.44	4.22	14.65	4.01	14.36	3.91	14.07	3.81	13.48	3.61
	10.0	16.22	4.12	15.44	3.94	14.65	3.75	14.36	3.65	14.07	3.56	13.48	3.37
7 + 7 + 9 + 9 + 24	15.0	16.22	3.76	15.44	3.58	14.65	3.41	14.36	3.33	14.07	3.24	13.48	3.07
	-15.0	10.70	4.84	10.63	4.93	10.55	5.02	10.52	5.06	10.48	5.11	10.42	5.19
	-10.0	12.07	5.02	11.99	5.11	11.92	5.19	11.88	5.24	11.85	5.28	11.78	5.37
	-5.0	13.44	5.19	13.36	5.28	13.29	5.37	13.25	5.41	13.22	5.45	13.15	5.54
	0.0	14.81	5.37	14.73	5.45	14.65	5.54	14.36	5.40	14.07	5.26	13.48	4.99
	6.0	16.22	4.42	15.44	4.22	14.65	4.01	14.36	3.91	14.07	3.81	13.48	3.61
7 + 7 + 12 + 12 + 18	10.0	16.22	4.12	15.44	3.94	14.65	3.75	14.36	3.65	14.07	3.56	13.48	3.37
	15.0	16.22	3.76	15.44	3.58	14.65	3.41	14.36	3.33	14.07	3.24	13.48	3.07
	-15.0	10.70	4.84	10.63	4.93	10.55	5.02	10.52	5.06	10.48	5.11	10.42	5.19
	-10.0	12.07	5.02	11.99	5.11	11.92	5.19	11.88	5.24	11.85	5.28	11.78	5.37
	-5.0	13.44	5.19	13.36	5.28	13.29	5.37	13.25	5.41	13.22	5.45	13.15	5.54
	0.0	14.81	5.37	14.73	5.45	14.65	5.54	14.36	5.40	14.07	5.26	13.48	4.99
7 + 7 + 7 + 12 + 24	6.0	16.22	4.42	15.44	4.22	14.65	4.01	14.36	3.91	14.07	3.81	13.48	3.61
	10.0	16.22	4.12	15.44	3.94	14.65	3.75	14.36	3.65	14.07	3.56	13.48	3.37
	15.0	16.22	3.76	15.44	3.58	14.65	3.41	14.36	3.33	14.07	3.24	13.48	3.07
	-15.0	10.70	4.84	10.63	4.93	10.55	5.02	10.52	5.06	10.48	5.11	10.42	5.19
	-10.0	12.07	5.02	11.99	5.11	11.92	5.19	11.88	5.24	11.85	5.28	11.78	5.37
	-5.0	13.44	5.19	13.36	5.28	13.29	5.37	13.25	5.41	13.22	5.45	13.15	5.54
7 + 7 + 7 + 18 + 18	0.0	14.81	5.37	14.73	5.45	14.65	5.54	14.36	5.40	14.07	5.26	13.48	4.99
	6.0	16.22	4.42	15.44	4.22	14.65	4.01	14.36	3.91	14.07	3.81	13.48	3.61
	10.0	16.22	4.12	15.44	3.94	14.65	3.75	14.36	3.65	14.07	3.56	13.48	3.37
	15.0	16.22	3.76	15.44	3.58	14.65	3.41	14.36	3.33	14.07	3.24	13.48	3.07
	-15.0	10.70	4.84	10.63	4.93	10.55	5.02	10.52	5.06	10.48	5.11	10.42	5.19
	-10.0	12.07	5.02	11.99	5.11	11.92	5.19	11.88	5.24	11.85	5.28	11.78	5.37
9 + 9 + 9 + 12 + 18	-5.0	13.44	5.19	13.36	5.28	13.29	5.37	13.25	5.41	13.22	5.45	13.15	5.54
	0.0	14.81	5.37	14.73	5.45	14.65	5.54	14.36	5.40	14.07	5.26	13.48	4.99
	6.0	16.22	4.42	15.44	4.22	14.65	4.01	14.36	3.91	14.07	3.81	13.48	3.61
	10.0	16.22	4.12	15.44	3.94	14.65	3.75	14.36	3.65	14.07	3.56	13.48	3.37
	15.0	16.22	3.76	15.44	3.58	14.65	3.41	14.36	3.33	14.07	3.24	13.48	3.07
	-15.0	10.70	4.84	10.63	4.93	10.55	5.02	10.52	5.06	10.48	5.11	10.42	5.19
9 + 12 + 12 + 12 + 12	-10.0	12.07	5.02	11.99	5.11	11.92	5.19	11.88	5.24	11.85	5.28	11.78	5.37
	-5.0	13.44	5.19	13.36	5.28	13.29	5.37	13.25	5.41	13.22	5.45	13.15	5.54
	0.0	14.81	5.37	14.73	5.45	14.65	5.54	14.36	5.40	14.07	5.26	13.48	4.99
	6.0	16.22	4.42	15.44	4.22	14.65	4.01	14.36	3.91	14.07	3.81	13.48	3.61
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	15.0	16.22	3.76	15.44	3.58	14.65	3.41	14.36	3.33	14.07	3.24	13.48	3.07
7 + 9 + 9 + 9 + 24	-15.0	10.70	4.84	10.63	4.93	10.55	5.02	10.52	5.06	10.48	5.11	10.42	5.19
	-10.0	12.07	5.02	11.99	5.11	11.92	5.19	11.88	5.24	11.85	5.28	11.78	5.37
	-5.0	13.44	5.19	13.36	5.28	13.29	5.37	13.25	5.41	13.22	5.45	13.15	5.54
	0.0	14.81	5.37	14.73	5.45	14.65	5.54	14.36	5.40	14.07	5.26	13.48	4.99
	6.0	16.22	4.42	15.44	4.22	14.65	4.01	14.36	3.91	14.07	3.81	13.48	3.61
	10.0	16.22	4.12	15.44	3.94	14.65	3.75	14.36	3.65	14.07	3.56	13.48	3.37
7 + 9 + 12 + 12 + 18	15.0	16.22	3.76	15.44	3.58	14.65	3.41	14.36	3.33	14.07	3.24	13.48	3.07
	-15.0	10.70	4.84	10.63	4.93	10.55	5.02	10.52	5.06	10.48	5.11	10.42	5.19
	-10.0	12.07	5.02	11.99	5.11	11.92	5.19	11.88	5.24	11.85	5.28	11.78	5.37
	-5.0	13.44	5.19	13.36	5.28	13.29	5.37	13.25	5.41	13.22	5.45	13.15	5.54
	0.0	14.81	5.37	14.73	5.45	14.65	5.54	14.36	5.40	14.07	5.26	13.48	4.99
	6.0	16.22	4.42	15.44	4.22	14.65	4.01	14.36	3.91	14.07	3.81	13.48	3.61
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	15.0	16.22	3.76	15.44	3.58	14.65	3.41	14.36	3.33	14.07	3.24	13.48	3.07
	-15.0	10.70	4.84	10.63	4.93	10.55	5.02	10.52	5.06	10.48	5.11	10.42	5.19
	-10.0	12.07	5.02	11.99	5.11	11.92	5.19	11.88	5.24	11.85	5.28	11.78	5.37
	-5.0	13.44	5.19	13.36	5.28	13.29	5.37	13.25	5.41	13.22	5.45	13.15	5.54
	0.0	14.81	5.37	14.73	5.45	14.65	5.54	14.36	5.40	14.07	5.26	13.48	4.99
7 + 7 + 9 + 18 + 18	6.0	16.22	4.42	15.44	4.22	14.65	4.01	14.36	3.91	14.07	3.81	13.48	3.61
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	15.0	16.22	3.76	15.44	3.58	14.65	3.41	14.36	3.33	14.07	3.24	13.48	3.07
	-15.0	10.70	4.84	10.63	4.93	10.55	5.02	10.52	5.06	10.48	5.11	10.42	5.19
	-10.0	12.07	5.02	11.99	5.11	11.92	5.19	11.88	5.24	11.85	5.28	11.78	5.37
	-5.0	13.44	5.19	13.36	5.28	13.29	5.37	13.25	5.41	13.22	5.45	13.15	5.54







# 5. Capacity tables

Combination Capacity Index (kBtu/h)	Outdoor Air Temp. (°CWB)	Indoor Air Temp. (°CDB)											
		16.0		18.0		20.0		21.0		22.0		24.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
9 + 12 + 12 + 12 + 24	-15.0	10.70	4.84	10.63	4.93	10.55	5.02	10.52	5.06	10.48	5.11	10.42	5.19
	-10.0	12.07	5.02	11.99	5.11	11.92	5.19	11.88	5.24	11.85	5.28	11.78	5.37
	-5.0	13.44	5.19	13.36	5.28	13.29	5.37	13.25	5.41	13.22	5.45	13.15	5.54
	0.0	14.81	5.37	14.73	5.45	14.65	5.54	14.36	5.40	14.07	5.26	13.48	4.99
	6.0	16.22	4.42	15.44	4.22	14.65	4.01	14.36	3.91	14.07	3.81	13.48	3.61
	10.0	16.22	4.12	15.44	3.94	14.65	3.75	14.36	3.65	14.07	3.56	13.48	3.37
9 + 12 + 12 + 18 + 18	-15.0	10.70	4.84	10.63	4.93	10.55	5.02	10.52	5.06	10.48	5.11	10.42	5.19
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	-5.0	13.44	5.19	13.36	5.28	13.29	5.37	13.25	5.41	13.22	5.45	13.15	5.54
	0.0	14.81	5.37	14.73	5.45	14.65	5.54	14.36	5.40	14.07	5.26	13.48	4.99
	6.0	16.22	4.42	15.44	4.22	14.65	4.01	14.36	3.91	14.07	3.81	13.48	3.61
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	6.0	16.22	4.42	15.44	4.22	14.65	4.01	14.36	3.91	14.07	3.81	13.48	3.61
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	6.0	16.22	4.42	15.44	4.22	14.65	4.01	14.36	3.91	14.07	3.81	13.48	3.61
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7 + 7 + 9 + 24 + 24	-15.0	10.70	4.84	10.63	4.93	10.55	5.02	10.52	5.06	10.48	5.11	10.42	5.19
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	-5.0	13.44	5.19	13.36	5.28	13.29	5.37	13.25	5.41	13.22	5.45	13.15	5.54
	0.0	14.81	5.37	14.73	5.45	14.65	5.54	14.36	5.40	14.07	5.26	13.48	4.99
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	-5.0	13.44	5.19	13.36	5.28	13.29	5.37	13.25	5.41	13.22	5.45	13.15	5.54
	0.0	14.81	5.37	14.73	5.45	14.65	5.54	14.36	5.40	14.07	5.26	13.48	4.99
	6.0	16.22	4.42	15.44	4.22	14.65	4.01	14.36	3.91	14.07	3.81	13.48	3.61
	10.0	16.22	4.12	15.44	3.94	14.65	3.75	14.36	3.65	14.07	3.56	13.48	3.37
12 + 12 + 12 + 18 + 18	-15.0	10.70	4.84	10.63	4.93	10.55	5.02	10.52	5.06	10.48	5.11	10.42	5.19
	-10.0	12.07	5.02	11.99	5.11	11.92	5.19	11.88	5.24	11.85	5.28	11.78	5.37
	-5.0	13.44	5.19	13.36	5.28	13.29	5.37	13.25	5.41	13.22	5.45	13.15	5.54
	0.0	14.81	5.37	14.73	5.45	14.65	5.54	14.36	5.40	14.07	5.26	13.48	4.99
	6.0	16.22	4.42	15.44	4.22	14.65	4.01	14.36	3.91	14.07	3.81	13.48	3.61
	10.0	16.22	4.12	15.44	3.94	14.65	3.75	14.36	3.65	14.07	3.56	13.48	3.37
12 + 12 + 12 + 12 + 24	-15.0	10.70	4.84	10.63	4.93	10.55	5.02	10.52	5.06	10.48	5.11	10.42	5.19
	-10.0	12.07	5.02	11.99	5.11	11.92	5.19	11.88	5.24	11.85	5.28	11.78	5.37
	-5.0	13.44	5.19	13.36	5.28	13.29	5.37	13.25	5.41	13.22	5.45	13.15	5.54
	0.0	14.81	5.37	14.73	5.45	14.65	5.54	14.36	5.40	14.07	5.26	13.48	4.99
	6.0	16.22	4.42	15.44	4.22	14.65	4.01	14.36	3.91	14.07	3.81	13.48	3.61
	10.0	16.22	4.12	15.44	3.94	14.65	3.75	14.36	3.65	14.07	3.56	13.48	3.37

**Note**

1. DB : Dry bulb temperature(°C), WB : Wet bulb temperature(°C)
2. TC : Total capacity(kW)
3. PI : Power Input (kW, Compressor + indoor fan motor + outdoor fan motor)
4. All capacities are net. A deduction (cooling mode) or an addition (heating mode) of Capacity due to operating heat of indoor unit motor is reflected.
5. Capacities are based on the following conditions ;
  - Interconnecting Piping Length (Both Main pipe and Branch pipe) is standard length.
  - Difference of Elevation (Outdoor ~ Indoor Unit) is 0 m.
6. Direct interpolation is permissible. Do not extrapolate.
7. Rated capacities and power inputs are based on standard temperature and piping conditions, and it can be found on specifications table. Except for rated value, the performance is not guaranteed.
8. In accordance with the test standard(or nations) and indoor unit's combinations, the rating will vary slightly.

## 6. Capacity Correction Factor

### ■ Rate of change in capacity due to the branch piping length

According to line up of each region, availability of indoor units may vary.

#### ◆ 7k Btu/h (2.1 kW) or less models

Piping length(m)	Rate of change in capacity	
	Cooling(%)	Heating(%)
7.5	100.0	100.0
10	98.4	99.2
15	95.8	97.8
20	93.2	96.4
25	90.6	95.0

#### ◆ 9k Btu/h (2.5 kW) models

Piping length(m)	Rate of change in capacity	
	Cooling(%)	Heating(%)
7.5	100.0	100.0
10	98.0	99.0
15	94.8	97.4
20	91.6	95.8
25	88.4	94.2

#### ◆ 12k Btu/h (3.5 kW) models

Piping length(m)	Rate of change in capacity	
	Cooling(%)	Heating(%)
7.5	100.0	100.0
10	97.6	98.6
15	93.8	96.4
20	89.9	94.1
25	86.1	91.9

#### ◆ 18k Btu/h (5.0 kW) models

Piping length(m)	Rate of change in capacity	
	Cooling(%)	Heating(%)
7.5	100.0	100.0
10	98.6	99.6
15	96.4	99.0
20	94.1	98.3
25	91.9	97.7

#### ◆ 24k Btu/h (7.1 kW) models

Piping length(m)	Rate of change in capacity	
	Cooling(%)	Heating(%)
7.5	100.0	100.0
10	98.2	99.2
15	95.4	98.0
20	92.4	96.6
25	89.6	95.4

## 6. Capacity Correction Factor

### ■ Calculation of actual system capacity

#### 1. Outdoor unit rated capacity

$Q_{\text{odu(rated)}}$  [from specification table]

#### 2. Outdoor unit capacity at $T_i$ , $T_o$ temperature.

$Q_{\text{odu}(T_i, T_o)}$  [from capacity table]

#### 3. Outdoor unit capacity correction factor

$F_{(T_i, T_o)} = Q_{\text{odu}(T_i, T_o)} / Q_{\text{odu(rated)}}$

#### 4. Piping correction factor [from capacity correction factor table]

$F_{\text{main}}(\text{length, elevation})$  for main piping length or elevation

:  $F_{\text{main}}(\text{length, elevation})$  is used only when the BD (Distributor Box) unit is connected.

$F_{\text{branch}}(\text{length, elevation})$  for branch piping length or elevation

#### 5. Individual indoor unit combinational capacity

$Q_{\text{idu (combi)}} = Q_{\text{odu(rated)}} \times Q_{\text{idu(rated,each)}} / Q_{\text{idu(rated,total)}}$

:  $Q_{\text{idu(rated,each)}}$  is Capacity of individual indoor unit

:  $Q_{\text{idu(rated,total)}}$  is Total sum of individual capacity for connected indoor units

Refer to the 'Specifications' of each indoor units

#### 6. Individual indoor unit actual capacity

$Q_{\text{idu (actual)}} = Q_{\text{idu(combi)}} \times F_{(T_i, T_o)} \times F_{\text{main}}(\text{length, elevation}) \times F_{\text{branch}}(\text{length, elevation})$

:  $F_{\text{main}}(\text{length, elevation})$  is used only when the BD (Distributor Box) unit is connected.

## 7. Electrical characteristics

### ■ Wiring of Main Power Supply and Equipment Capacity

1. The power supply work is needed only to the outdoor unit. The power supply to the indoor unit or the BD unit is conducted through the transmission wiring. Therefore, the power supply work can be carried out at just one place of the outdoor unit. It will contribute to simplify the work procedure and to save cost.
2. Bear in mind ambient conditions (ambient temperature, direct sunlight, rain liquid, etc.) when proceeding with the wiring and connections
3. The wire size is the minimum value for metal conduit wiring. The power cord size should be 1 rank thicker taking into account the line voltage drops. Make sure the power-supply voltage does not drop more than 10%.
4. Specific wiring requirements should adhere to the wiring regulations of the region.
5. Power supply cords of parts of appliances for outdoor use should not be lighter than polychloroprene sheathed flexible cord.
6. Don't install an individual switch or electrical outlet to disconnect each of indoor unit separately from the power supply.

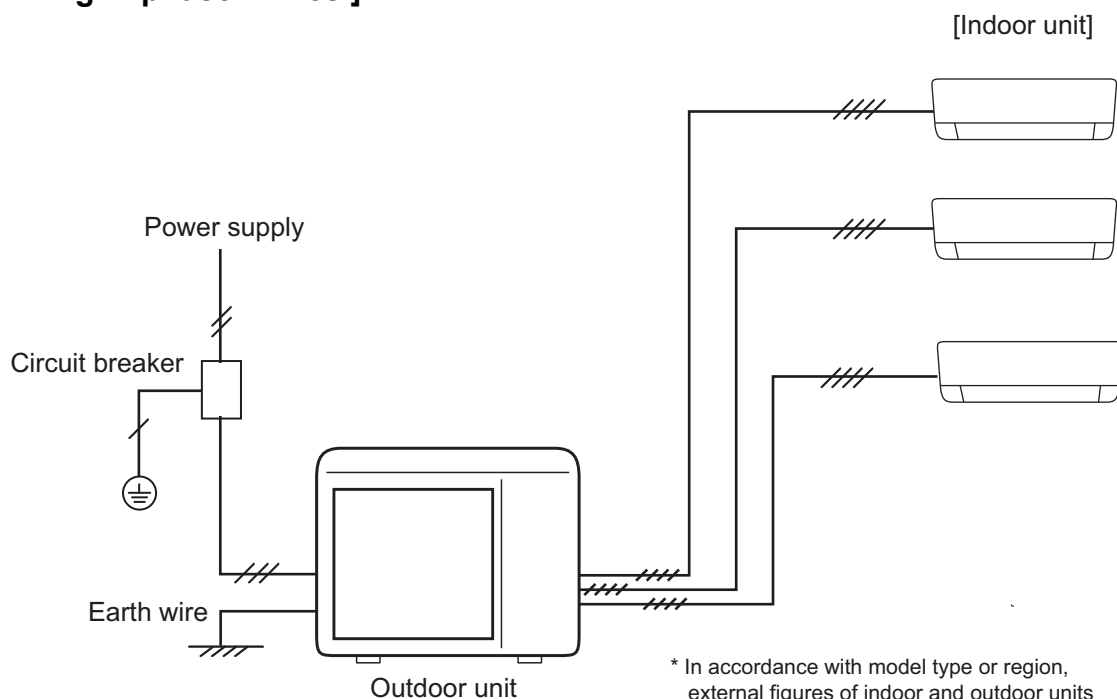
### ⚠ WARNING

- Follow ordinance of your governmental organization for technical standard related to electrical equipment, wiring regulations and guidance of each electric power company.
- Make sure to use specified wires for connections so that no external force is imparted to terminal connections. If connections are not fixed firmly, it may cause heating or fire.
- Make sure to use the appropriate type of overcurrent protection switch. Note that generated overcurrent may include some amount of direct current.

### ⚠ CAUTION

- All installation site must require attachment of an earth leakage breaker. If no earth leakage breaker is installed, it may cause an electric shock.
- Do not use anything other than breaker and fuse with correct capacity. Using fuse and wire or copper wire with too large capacity may cause a malfunction of unit or fire.

### [ Field wiring - 1phase 2wires ]



\* In accordance with model type or region, external figures of indoor and outdoor units can be different.

## 7. Electrical characteristics

### ◆ 60Hz (1 Phase)

Combination		Power Supply		COMP		OFM		IFM *	
Outdoor Unit	Indoor Unit *	MCA	MFA	MSC	RLA	kW	FLA	kW	FLA
A2UW18GFAC	AMNW09GSJA0 × 2	13.2	20	-	10.0	0.043	0.25	0.03 x 2	0.20 x 2
A3UW21GFAC	AMNW07GSJA0 × 3	13.4	20	-	10.0	0.043	0.25	0.03 x 3	0.20 x 3
A3UW24GFA3	AMNW09GSJA0 × 3	15.9	20	-	12.0	0.085	0.33	0.03 x 3	0.20 x 3
A4UW30GFA2	AMNW09GSJA0 × 4	22.5	25	-	17.0	0.124	0.48	0.03 x 4	0.20 x 4
A5UW36GFA2	AMNW09GSJA0 × 5	22.7	25	-	17.0	0.124	0.48	0.03 x 5	0.20 x 5
A5UW48GFA1	AMNW09GSJA0 × 5	35.8	40	-	27.2	0.195	0.80	0.03 x 5	0.20 x 5

**Note**

1. Voltage supplied to the unit terminals should be within the minimum and maximum range.
2. Maximum allowable voltage unbalance between phase is 2%.
3. MSC means the Max. current during the starting of compressor.
4. MSC and RLA are measured as the compressor only test condition.
5. OFM and IFM are measured as the outdoor unit test condition.
6. IFM(FLA value) are based on the combination of indoor units which the operation current is maximum.
7. Select the wire size based on the MCA.
8. MFA is used to select the circuit breaker and ground fault circuit interrupter, and all installation site must require attachment of an earth leakage breaker. [circuit breaker type is ELCB(Earth Leakage Circuit Breaker)].

**Symbols**

**MCA** : Minimum Circuit Amperes (A)  
**MFA** : Maximum Fuse Amperes (A)  
**MSC** : Maximum Starting Current (A)  
**RLA** : Rated Load Amperes (A)  
**OFM** : Outdoor Fan Motor  
**IFM** : Indoor Fan Motor  
**kW** : Fan Motor rated output (kW)  
**FLA** : Full Load Amperes (A)

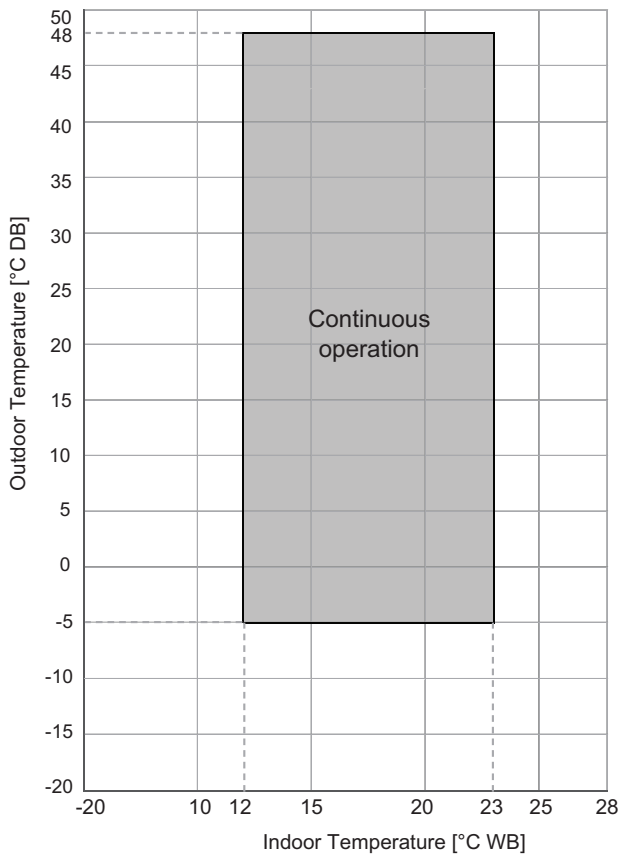
### Important

- Rated Power Supply : 1Phase , 220V, 60Hz
- Allowable Voltage Range : Min. 198V ~ Max. 242V
- \* : In case of Multi type product, IFM/MCA/MFA values are based on the representative combination. Final application of these values should be different by combination of the indoor units or other ambient conditions.

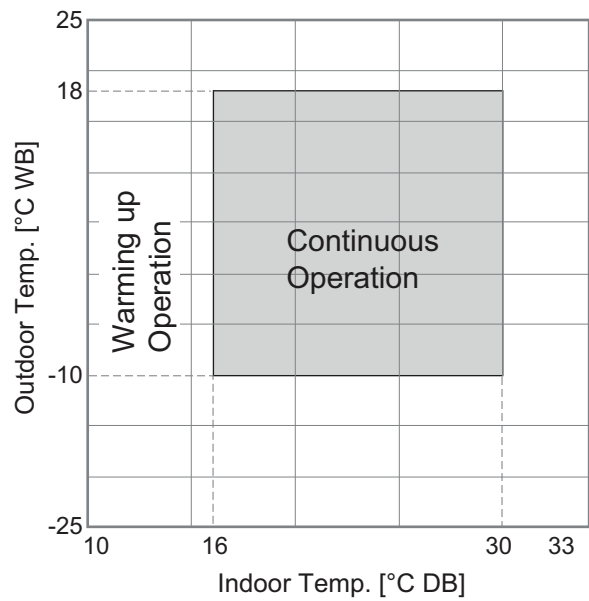
## 8. Operation Range

◆ A2UW18GFAC, A3UW21GFAC

Cooling



Heating



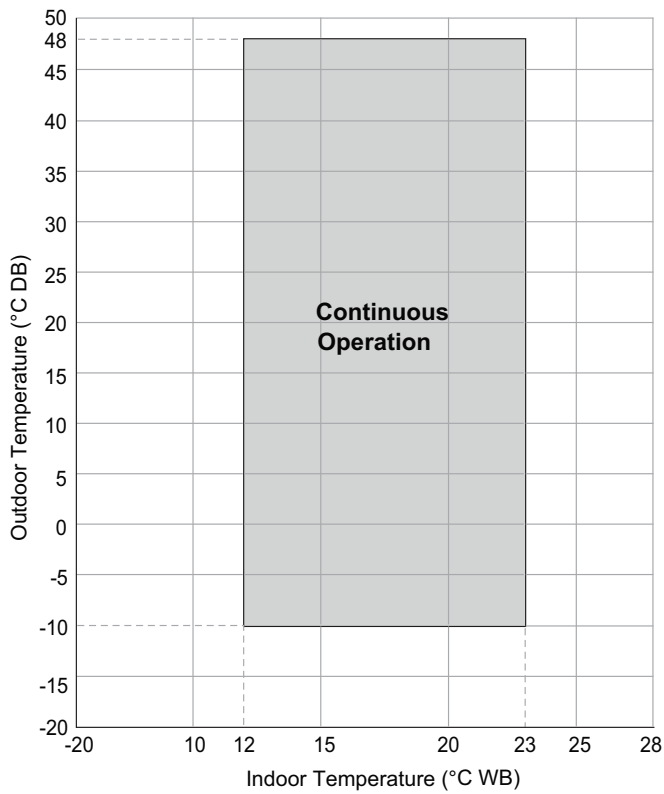
**Note**

1. Warming up operation means that the outdoor unit operates to reach the range of continuous operating, however it may not operate continuously due to safety or protection logic.

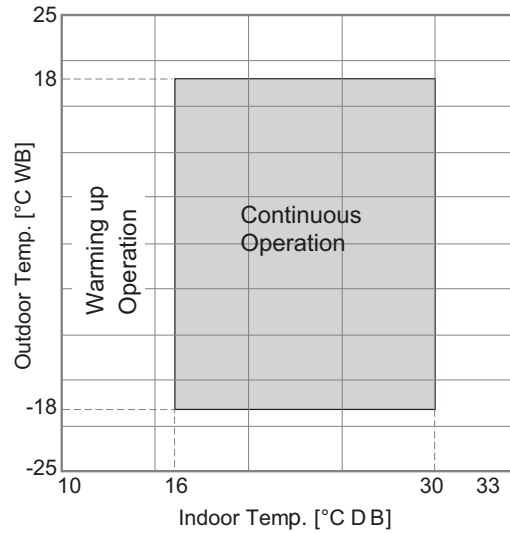
## 8. Operation Range

◆ A3UW24GFA3, A4UW30GFA2, A5UW36GFA2

Cooling



Heating



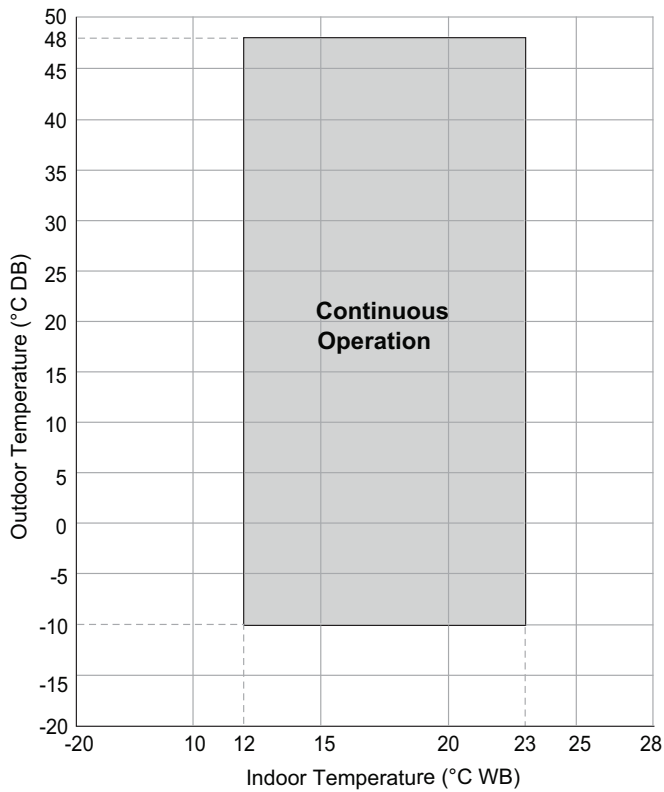
**Note**

1. Warming up operation means that the outdoor unit operates to reach the range of continuous operating, however it may not operate continuously due to safety or protection logic.

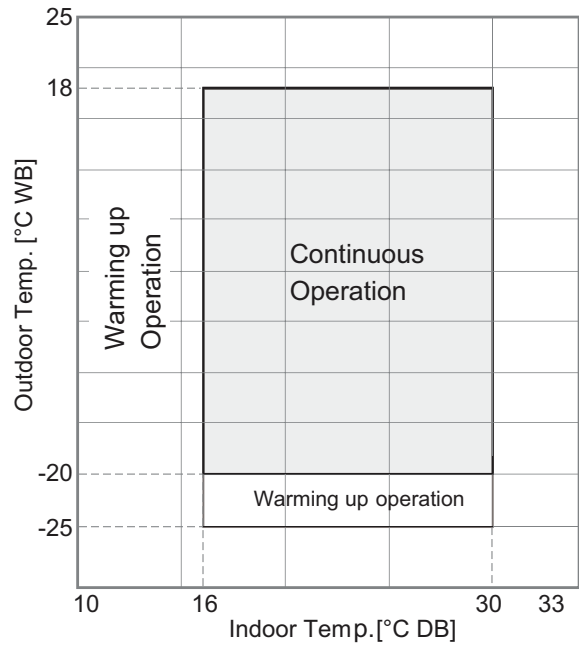
## 8. Operation Range

◆ A5UW48GFA1

Cooling



Heating



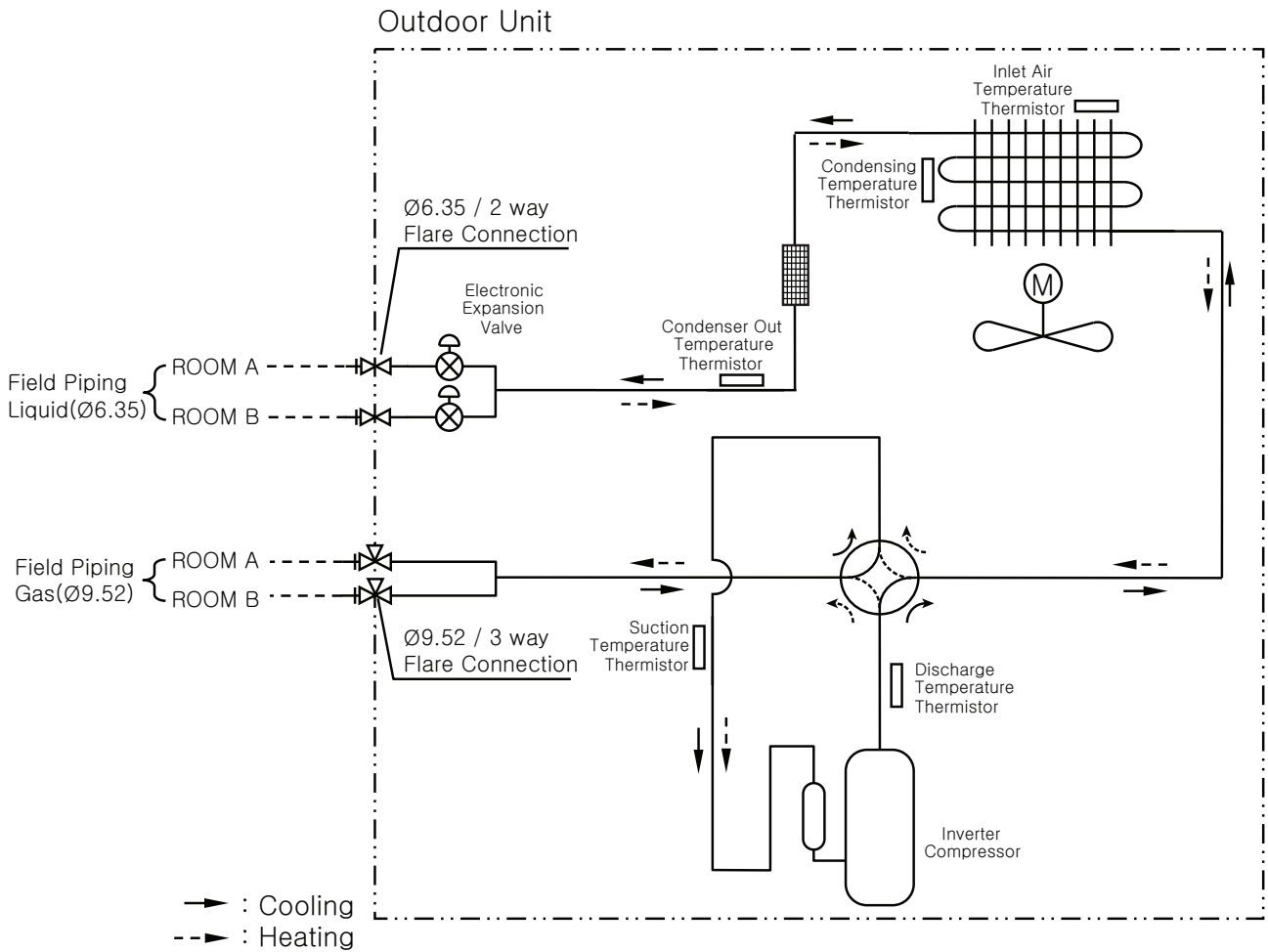
**Note**

1. Warming up operation means that the outdoor unit operates to reach the range of continuous operating, however it may not operate continuously due to safety or protection logic.



# 9. Piping diagrams

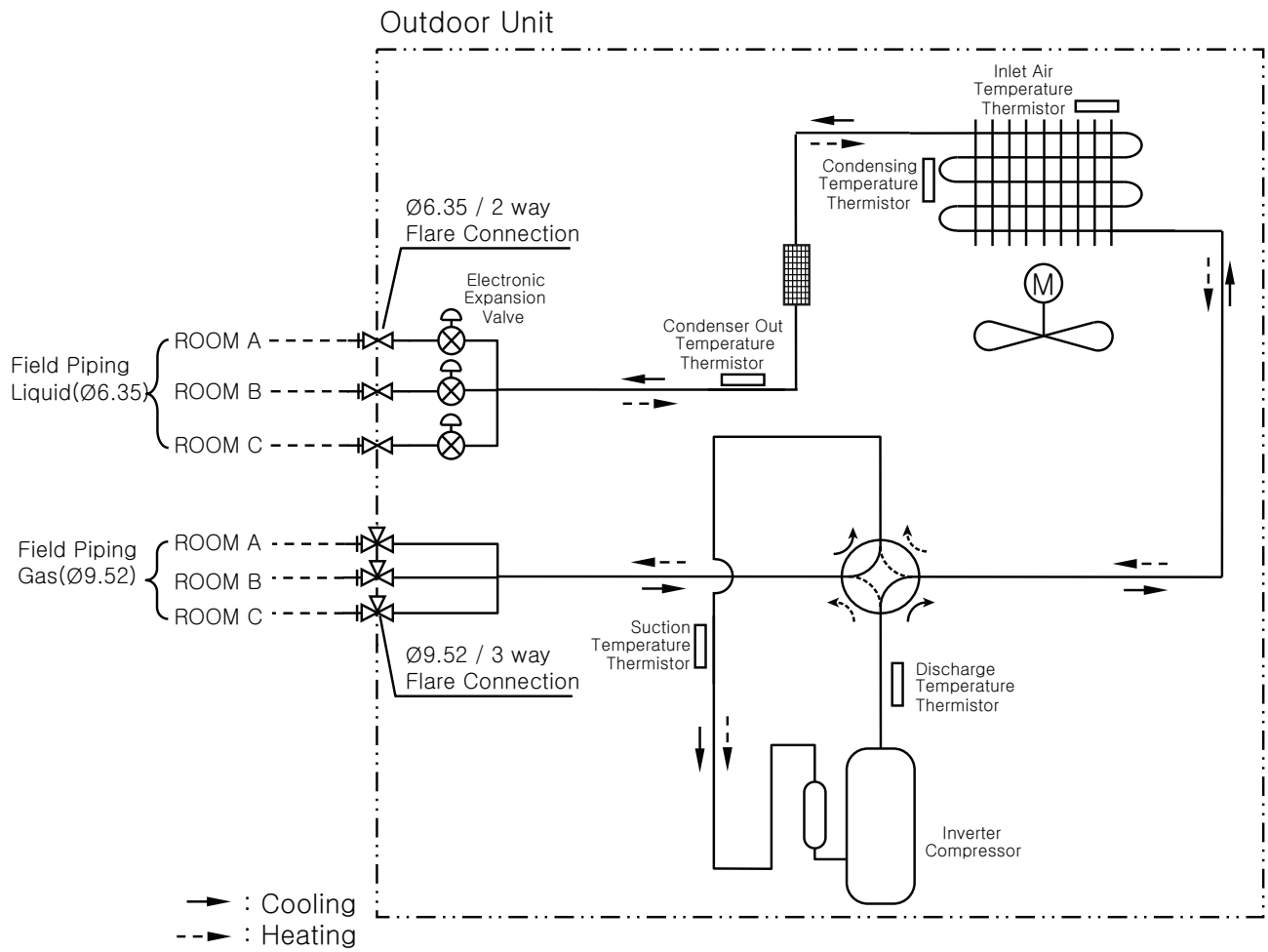
■ Models : A2UW18GFAC



Description	PCB Connector
Condenser out temperature Thermistor	CN_C_PIPE
Condensing temperature Thermistor	CN_MID
Inlet air temperature Thermistor	CN_AIR
Discharge temperature Thermistor	CN_DISCHARGE
Suction temperature Thermistor	CN_SUCTION

# 9. Piping diagrams

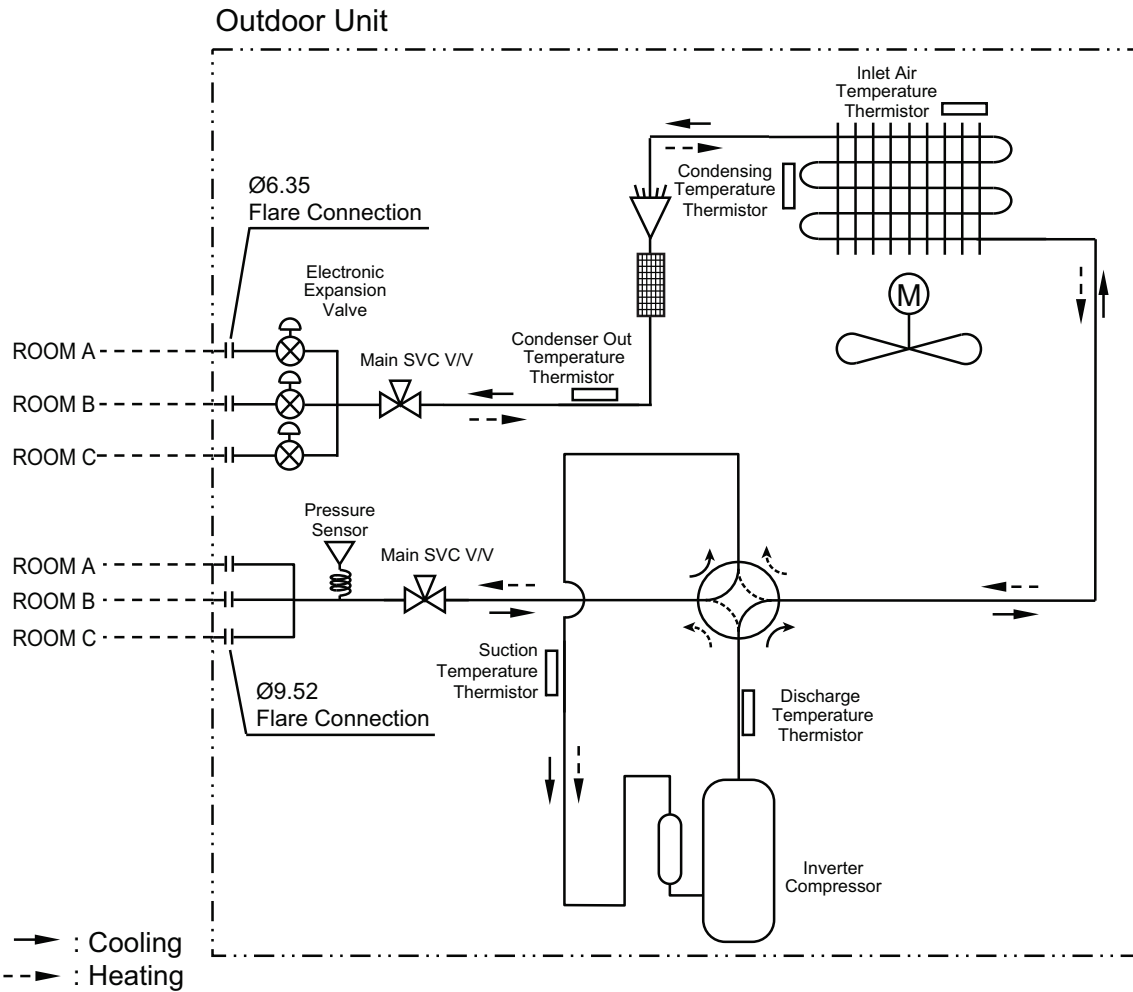
## Models : A3UW21GFAC



Description	PCB Connector
Condenser out temperature Thermistor	CN_C_PIPE
Condensing temperature Thermistor	CN_MID
Inlet air temperature Thermistor	CN_AIR
Discharge temperature Thermistor	CN_DISCHARGE
Suction temperature Thermistor	CN_SUCTION

# 9. Piping diagrams

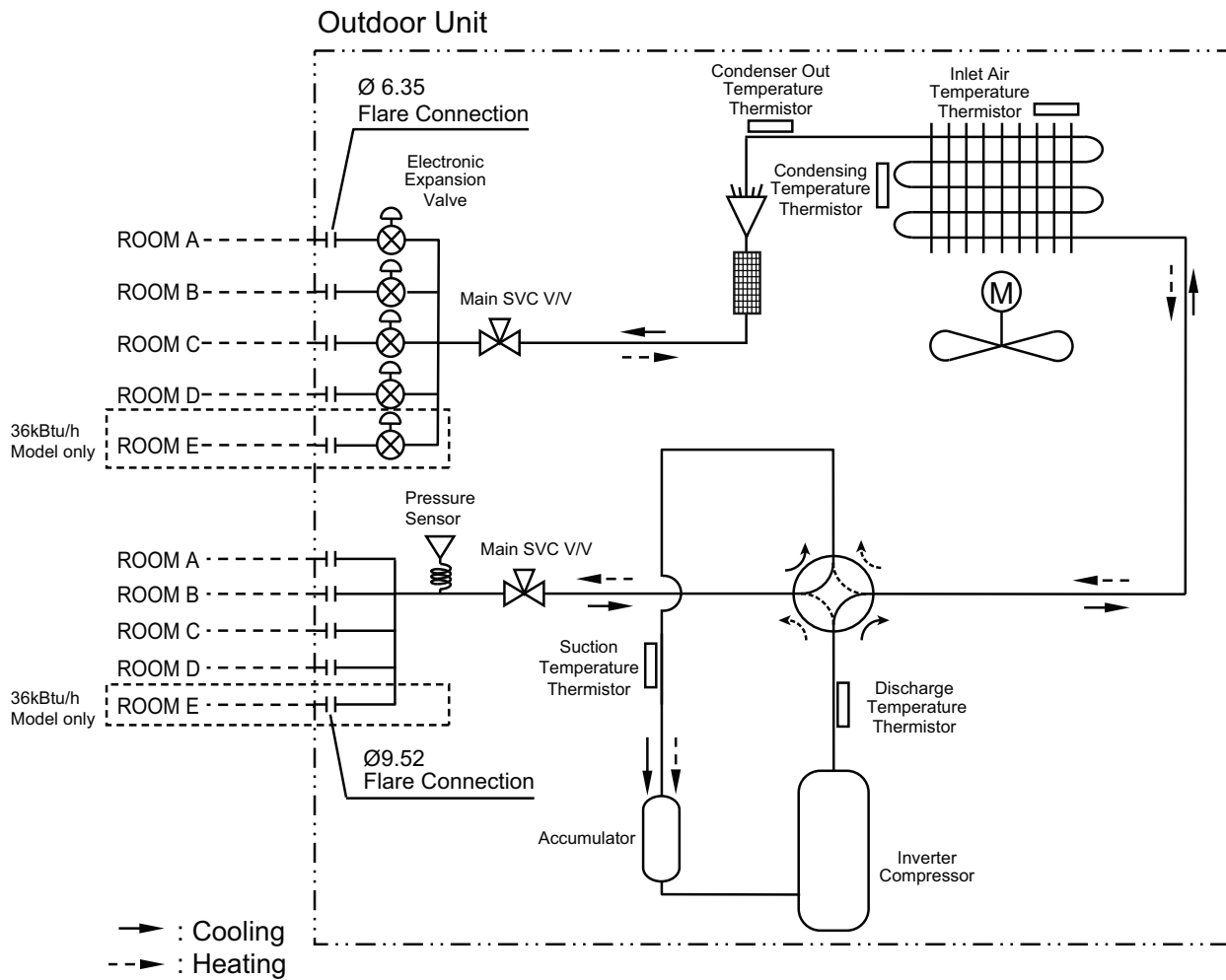
## Models : A3UW24GFA3



Description	PCB Connector
Condenser out temperature Thermistor	CN_C_PIPE
Condensing temperature Thermistor	CN_MID
Inlet air temperature Thermistor	CN_AIR
Discharge temperature Thermistor	CN_DISCHARGE
Suction temperature Thermistor	CN_SUCTION
Pressure Sensor	CN_H_PRESS

# 9. Piping diagrams

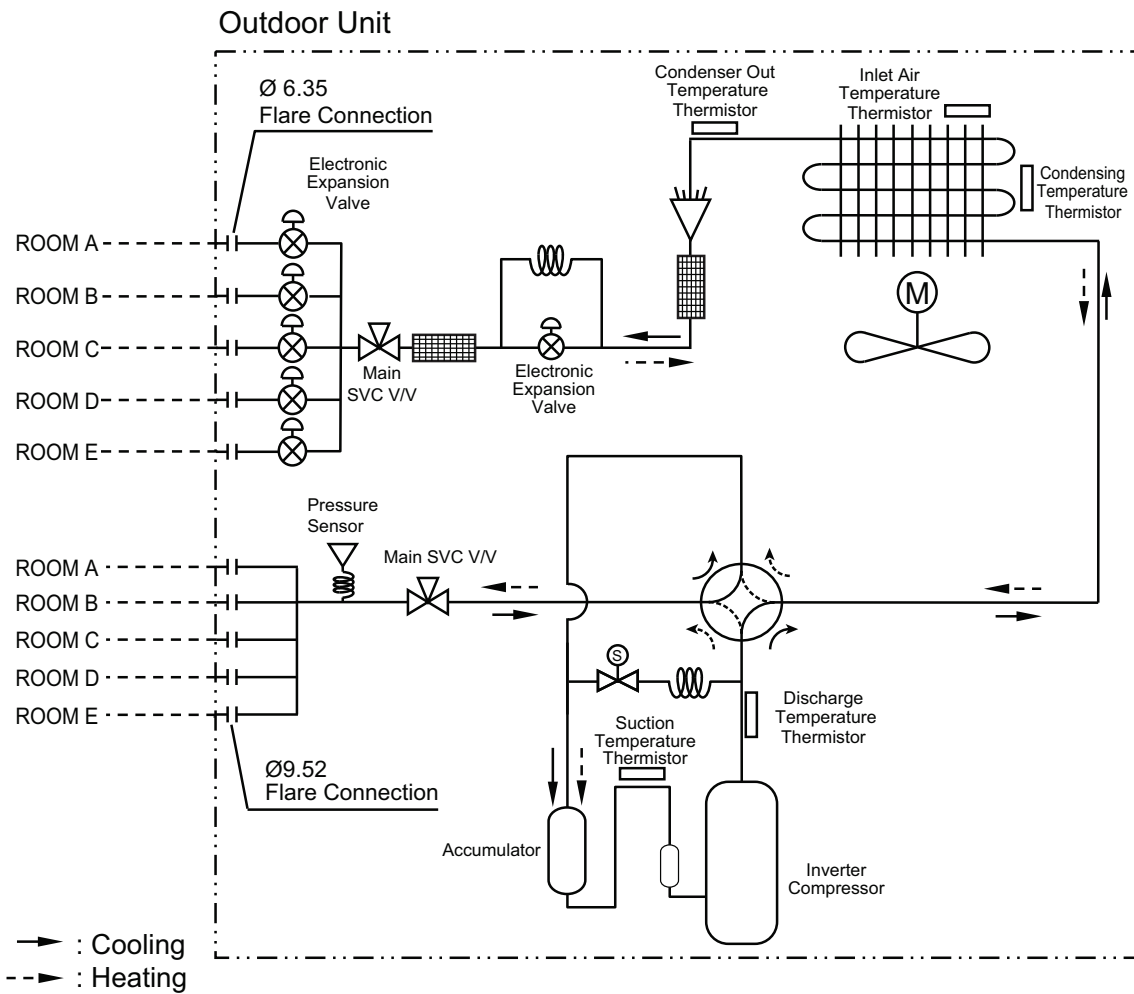
## Models : A4UW30GFA2, A5UW36GFA2



Description	PCB Connector
Condenser out temperature Thermistor	CN_C_PIPE
Condensing temperature Thermistor	CN_MID
Inlet air temperature Thermistor	CN_AIR
Discharge temperature Thermistor	CN_DISCHARGE
Suction temperature Thermistor	CN_SUCTION
Pressure Sensor	CN_H_PRESS

# 9. Piping diagrams

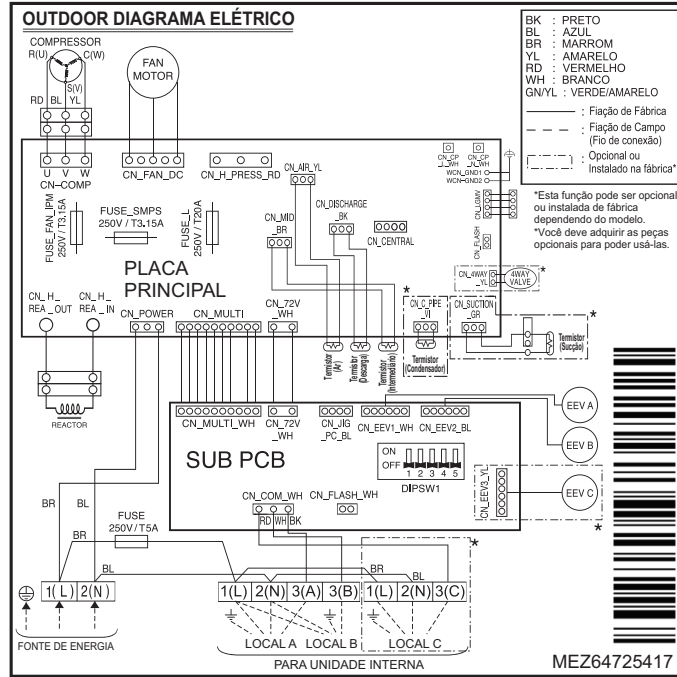
## Models : A5UW48GFA1



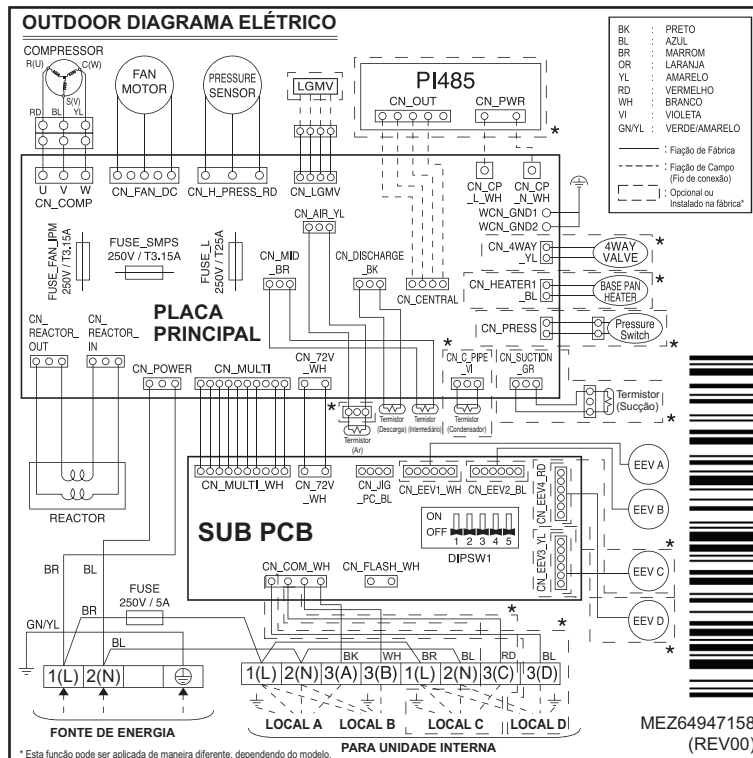
Description	PCB Connector
Condensing temperature Thermistor	CN_C_PIPE
Condenser out temperature Thermistor	CN_MID
Inlet air temperature Thermistor	CN_AIR
Discharge temperature Thermistor	CN_DISCHA
Suction temperature Thermistor	CN_SUCTION
Pressure Sensor	CN_H_PRESS

# 10. Wiring diagrams

## Models : A2UW18GFAC / A3UW21GFAC

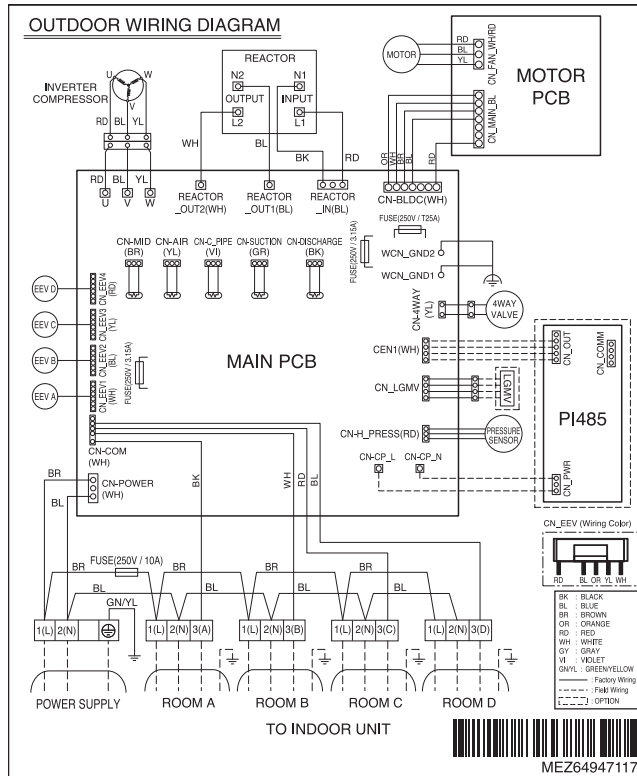


## Models : A3UW24GFA3

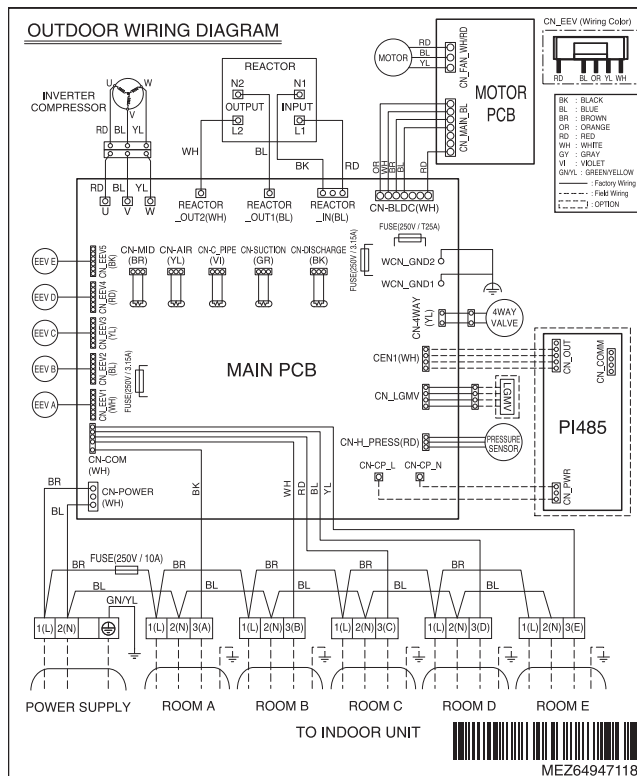


# 10. Wiring diagrams

## Models : A4UW30GFA2

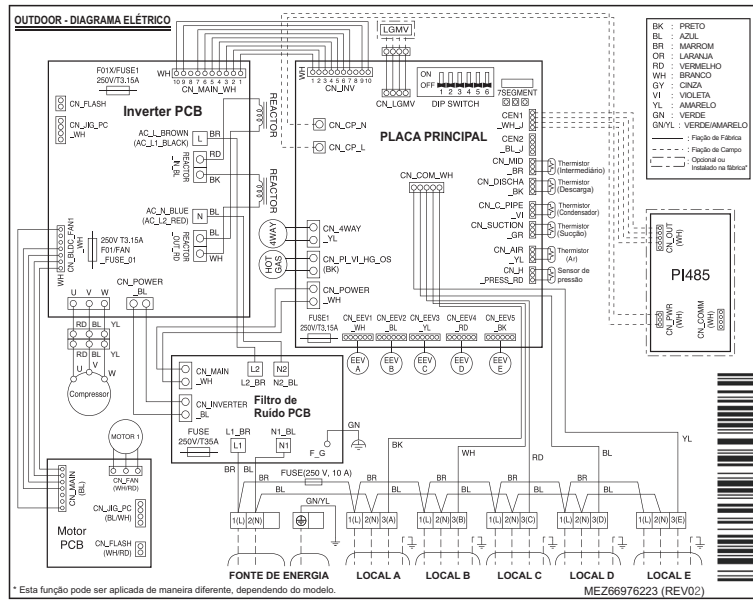


## Models : A5UW36GFA2



# 10. Wiring diagrams

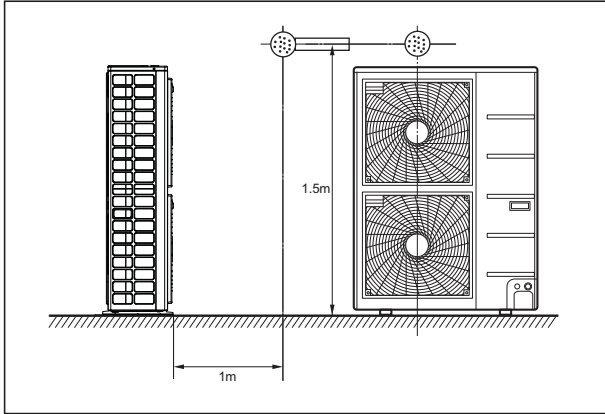
## Models : A5UW48GFA1





# 11. Sound levels

## 11.1 Sound pressure level

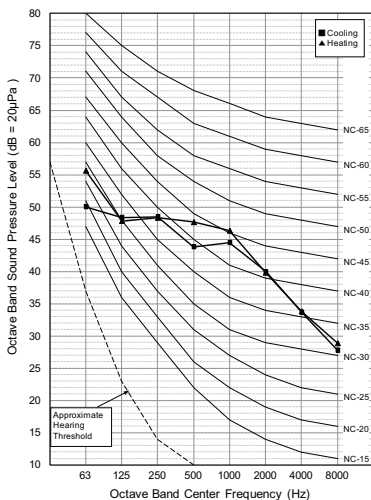


**Note**

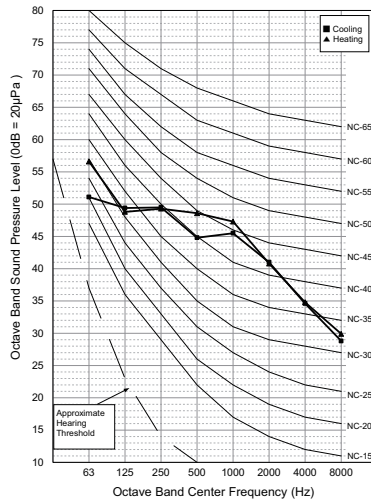
- 1.Data is valid at free field condition.
- 2.Reference accoustic pressure 0dB = 20μPa.
- 3.Data is valid at nominal operation condition.  
Refer to the Model Specifications for nominal conditions(Power source and Ambient temperature, etc)
- 4.Sound levels can be increased in accordance with installation and operating conditions. (Operating conditions include some functional condition like Static pressure mode, air guide use, Room target temperature setting, etc and these functions are different in accordance with each model.)
- 5.Sound level will vary depending on a range of factors such as the construction(acoustic absorption coefficient) of particular room in which the equipment in installed.
- 6.Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.

Model	Sound Pressure Level [dB(A)]	
	Cooling	Heating
A2UW18GFAC	48	51
A3UW21GFAC	49	52
A3UW24GFA3	50	54
A4UW30GFA2	50	54
A5UW36GFA2	50	54
A5UW48GFA1	53	55

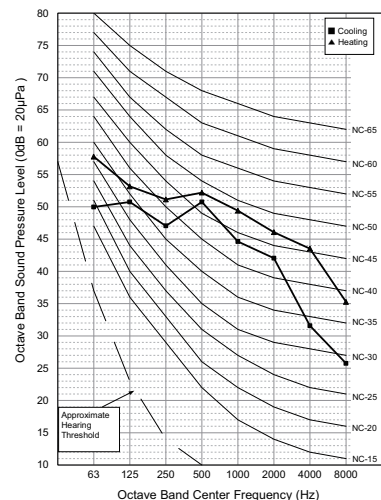
**A2UW18GFAC**



**A3UW21GFAC**

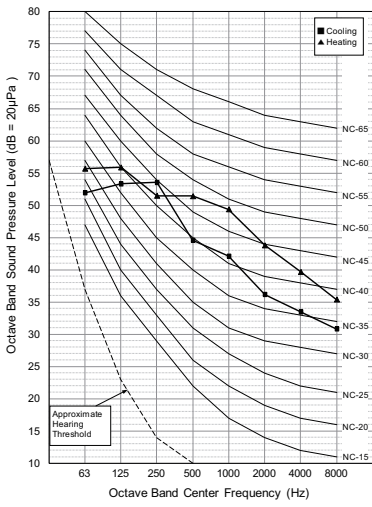


**A3UW24GFA3**

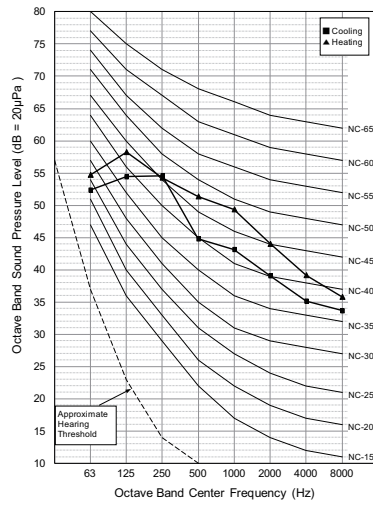


# 11. Sound levels

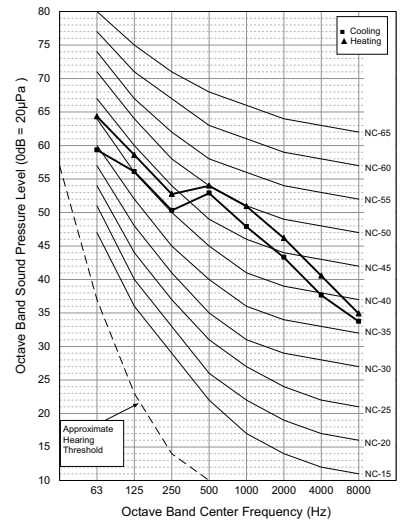
**A4UW30GFA2**



**A5UW36GFA2**



**A5UW48GFA1**



# 11. Sound levels

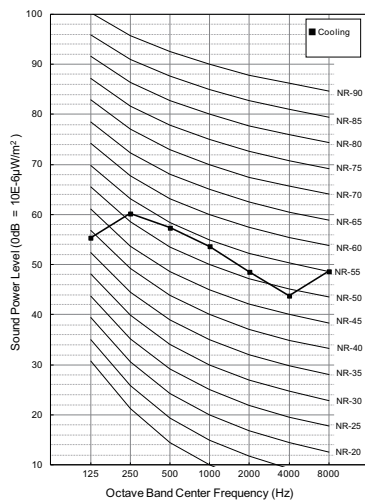
## 11.2 Sound power level

### Note

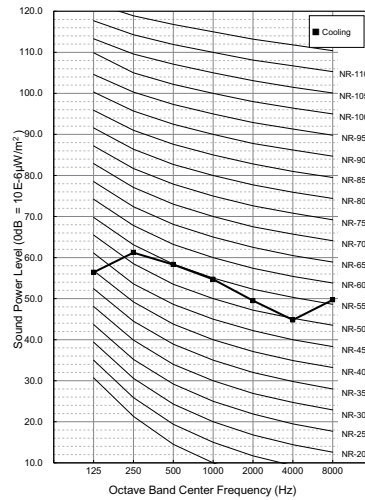
1. Data is valid at diffuse field condition.
2. Data is valid at nominal operation condition.  
Refer to the Model Specifications for nominal conditions(Power source and Ambient temperature, etc)
3. Sound level can be increased in static pressure mode or used air guide.
4. Sound level will vary depending on a range of factors such as the construction (acoustic absorption coefficient).
5. Reference acoustic intensity 0dB = 10E-6μW/m<sup>2</sup>
6. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.  
Therefore, these values can be increased owing to ambient conditions during operation.

Model	Sound power level [dB(A)]
	Cooling
A2UW18GFAC	63
A3UW21GFAC	64
A3UW24GFA3	66
A4UW30GFA2	65
A5UW36GFA2	66
A5UW48GFA1	67

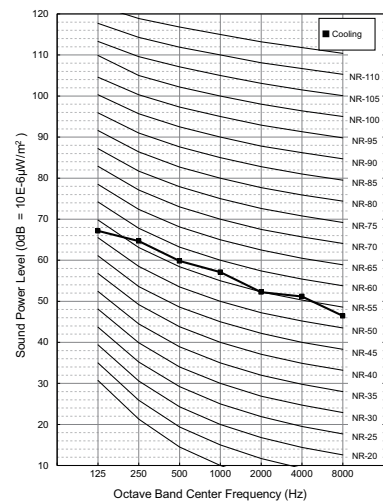
**A2UW18GFAC**



**A3UW21GFAC**

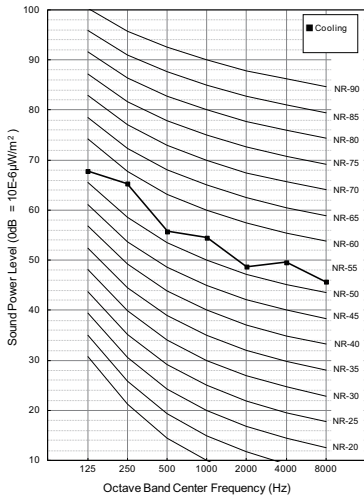


**A3UW24GFA2**

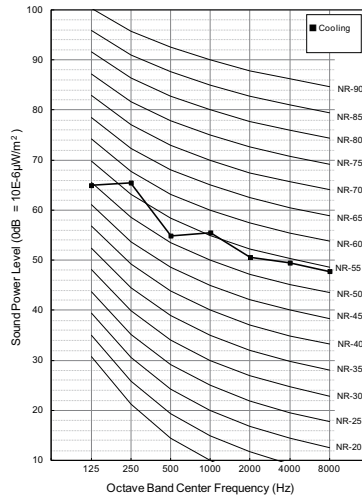


# 11. Sound levels

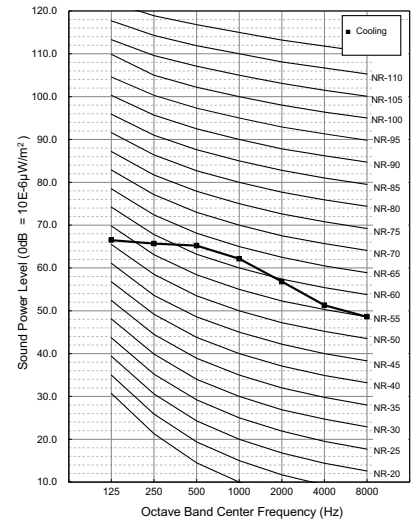
**A4UW30GFA2**



**A5UW36GFA2**



**A5UW48GFA1**



## MULTI

### **Installation of Outdoor Units**

- 1.Information for Refrigerant**
- 2.Select the Best Location**
- 3.Foundation for Installation**
- 4.Refrigerant Piping System**
- 5.Electrical Wiring**
- 6.Field Wiring**
- 7.Special guide for installation at the Seaside**

# 1. Information for Refrigerant

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## 1.1 Alternative Refrigerant R410A

- The refrigerant R410A has the property of higher operating pressure in comparison with R22. Therefore, all materials have the characteristics of higher resisting pressure than ones of R22 and this characteristic should also be considered during the installation.
- R410A is an azeotrope of R32 and R125 mixed at 50:50, so the ozone depletion potential (ODP) of R410A is 0.

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### CAUTION

- The wall thickness of the piping should comply with the relevant local and national regulations for the designed pressure 3.8MPa
  - Since R410A is a mixed refrigerant, the required additional refrigerant must be charged in its liquid state. If the refrigerant is charged in its gaseous state, its composition changes and the system will not work properly.
  - Do not place the refrigerant container under the direct rays of the sun to prevent it from exploding.
  - For high-pressure refrigerant, any unapproved pipe must not be used.
  - Do not heat pipes more than necessary to prevent them from softening.
  - Be careful not to install wrongly to minimize economic loss because it is expensive in comparison with R22.
-

# 1. Information for Refrigerant

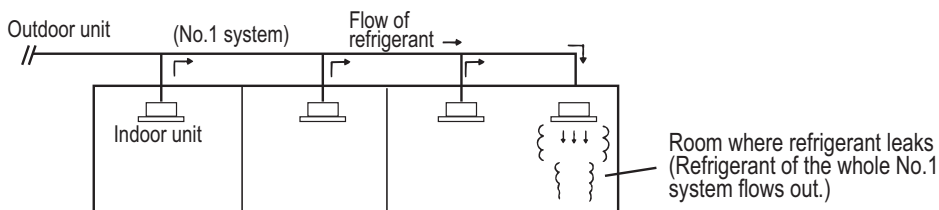
## 1.2 Caution For Refrigerant Leaks

The installer and system specialist shall secure safety against leakage according to local regulations or standards. The following standards may be applicable if local regulations are not available.

### 1.2.1 Concentration limit

Concentration limit is the limit of Freon gas concentration where immediate measures can be taken without hurting human body when refrigerant leaks in the air. The concentration limit shall be described in the unit of  $\text{kg/m}^3$  (Freon gas weight per unit air volume) for facilitating calculation.

**Concentration limit :  $0.44\text{kg/m}^3(\text{R410A})$**



### 1.2.2 Checking procedure of limiting concentration

Check concentration limit along following steps and take appropriate measure depending on the situation.

#### ■ Calculate refrigerant concentration

##### 1. Calculate amount of all the replenished refrigerant (kg) per each refrigerant system.

Amount of pre-charged refrigerant per single system

+

Amount of additional replenished refrigerant

= Total amount of refrigerant in the system (kg)

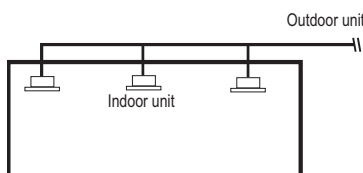
Amount of replenished refrigerant at factory shipment

Amount of additionally replenished refrigerant depending on piping length or piping diameter by customer

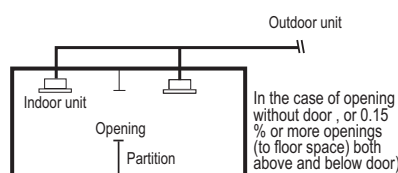
Note : In case one refrigerant facility is divided into 2 or more refrigerant systems and each system is independent, amount of replenished refrigerant of each system shall be adopted.

##### 2. Calculate the volume of the room where indoor unit is installed as single room or the smallest room.

Without partition

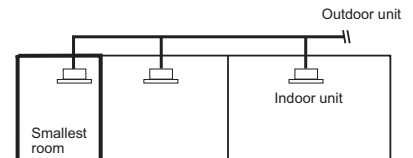


With partition but opened which serve passage of air to adjoining room



In the case of opening without door, or 0.15% or more openings (to floor space) both above and below door)

With partition and without opening which serve as passage of air to adjoining room



# 1. Information for Refrigerant

## 3. Calculate the volume of the room where indoor unit is installed as single room or the smallest room.

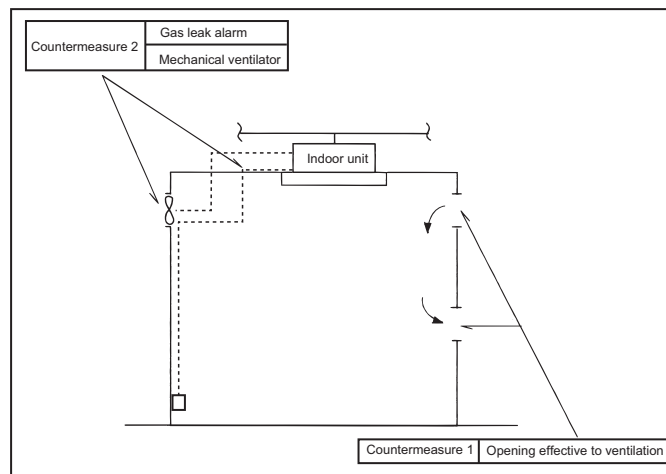
$$\frac{\text{Total amount of refrigerant system (kg)}}{\text{Volume of smallest room where indoor unit is installed (m}^3\text{)}} \leq \begin{array}{l} \text{Maximum concentration} \\ \text{limit} \\ | \\ \text{(R410A)} \end{array} \quad (\text{kg/m}^3)$$

In case the result of calculation exceeds the concentration limit, perform the same calculations by shifting to the second smallest, and the third smallest rooms until at last the result is below the concentration limit.

### ■ In case the concentration exceeds the limit

When the concentration exceeds the limit, change original plan or take one of the counter measure shown below:

- **Counter measure 1**  
Provide opening for ventilation.  
Provide 0.15% or more size of opening to floor space both above and below door, or provide opening without door.
- **Counter measure 2**  
Provide gas leak alarm linked with mechanical ventilator.
- **Counter measure 3**  
Reducing the system's refrigerant quantity by deviding into smaller separate system.



### ⚠ CAUTION

Pay a special attention to the place, such as a basement, etc. where refrigerant can stay, since refrigerant is heavier than air.



## 2. Select the Best Location

Select space for installing outdoor unit, which will meet the following conditions:

- No direct thermal radiation from other heat sources.
- No possibility of annoying neighbors due to noise of unit.
- No exposition to strong wind.
- Place with strength which bears weight of unit.
- Note that drain flows out of unit when heating mode operation (except for Cooling only model).
- Because of the possibility of fire, do not install unit to the space where generation, inflow, stagnation, and leakage of combustible gas is expected.
- Avoid unit installation in a place where acidic solution and spray (sulfur) are often used.
- Do not use unit under any special environment where oil, steam and sulfuric gas exist.
- It is recommended to fence round the outdoor unit in order to prevent any person or animal from accessing the outdoor unit.
- If installation site is area of heavy snowfall, then the following directions should be observed.
  - Make the foundation as high as possible.
  - Fit a snow protection hood.
- Select installation location considering following conditions to avoid bad condition when additionally performing defrost operation.
  - Install the outdoor unit at a place well ventilated and having a lot of sunshine in case of installing the product at a place with a high humidity in winter (near beach, coast, lake, etc).  
(Ex) Rooftop where sunshine always shines.
  - Performance of heating will be reduced and pre-heat time of the indoor unit may be lengthened in case of installing the outdoor unit in winter at following location:
    - » Shade position with a narrow space.
    - » Location with much moisture in neighboring floor.
    - » Location with much humidity around.  
It is recommended to install the outdoor unit at a place with a lot of sunshine as possible as.
    - » Location where liquid gathers since the floor is not even.
    - » When installing the outdoor unit in a place that is constantly exposed to a strong wind like a coast or on a high story of a building, secure a normal fan operation by using a duct or a wind shield.

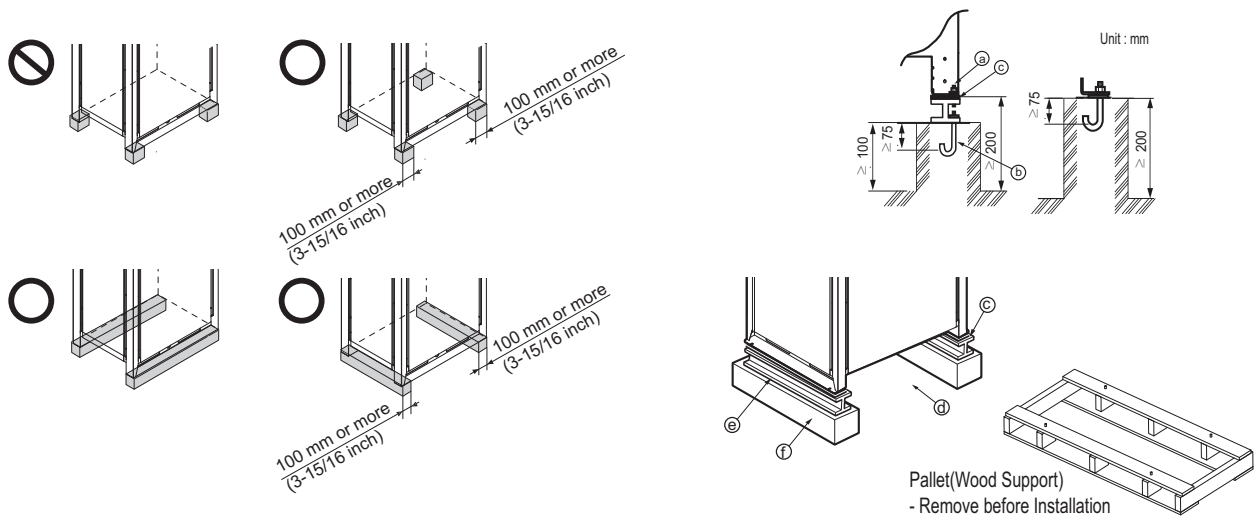
### ◆ Cautions corresponding to strong/seasonal wind

- When the “*Outdoor unit of Side Discharge Type*” is installed in a place that is constantly exposed to a strong wind like a coast or on a high story of a building, secure a normal fan operation by using a duct or a wind shield.
  - Don't install the suction hole and discharge hole of the Outdoor unit facing the seasonal wind.
  - Install the unit so that its discharge port faces to the wall of the building.  
Keep a distance 500mm or more between the unit and the wall surface.
  - Supposing the wind direction during the operation season of the air conditioner, install the unit so that the discharge port is set at right angle to the wind direction.

### ◆ Cautions in winter

- Sufficient measures are required in a snow area or severe cold area in winter so that product can be operated well.
- Get ready for seasonal wind or snow in winter even in other areas.
- Install a suction and discharge duct not to let in snow or rain.
- Install the outdoor unit not to come in contact with snow directly. If snow piles up and freezes on the air suction hole, the system may malfunction. If it is installed at snowy area, attach the hood to the system.
- Where snow accumulated on the upper part of the Outdoor Unit, always remove snow for operation.
- If width of the frame is wider than that of the product, snow may accumulate. So, its width shall not exceed the width of the product.

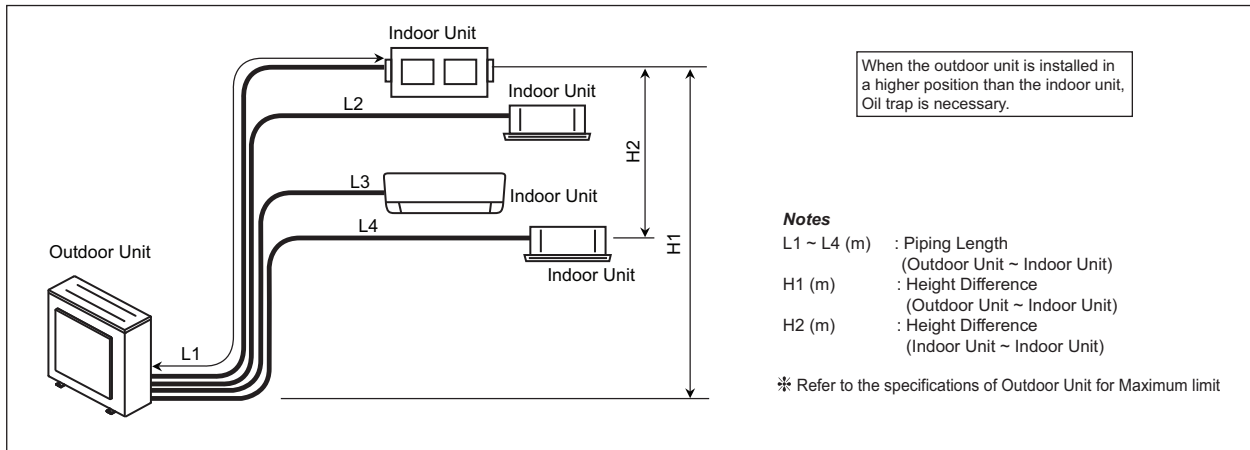
### 3. Foundation for Installation



- Install where it can sufficiently support the weight of the outdoor unit.  
If the support strength is not enough, the outdoor unit may drop and hurt people.
- Install where the outdoor unit may not fall in strong wind or earthquake.  
If there is a fault in the supporting conditions, the outdoor unit may fall and hurt people.
- Please take extra cautions on the supporting strength of the ground, water outlet treatment (treatment of the water flowing out of the outdoor unit in operation), and the passages of the pipe and wiring, when making the ground support.
- Do not use tube or pipe for water outlet in the Base pan. Use drainage instead for water outlet. The tube or pipe may freeze and the water may not be drained.
- Install at places where it can endure the weight and vibration/noise of the outdoor unit.
- The outdoor unit supports at the bottom shall have width of at least 100mm under the Unit's legs before being fixed.
- The outdoor unit supports should have minimum height of 200mm.
- Anchor bolts must be inserted at least 75mm.
- Fix the unit tightly with bolts as shown so that unit will not fall down due to earthquake or gust.
  - a. The corner part must be fixed firmly. Otherwise, the support for the installation may be bent.
  - b. Get and use M10 Anchor bolt.
  - c. Noise and vibration may occur from the floor or wall since vibration is transferred through the installation part depending on installation status. Thus, use anti-vibration materials (cushion pad) fully. (The base pad shall be more than 200mm)
  - d. Space for pipes and wiring (Pipes and wiring for bottom side)
  - e. Use the H-beam support as a base support
  - f. Concrete support
- Be sure to remove the Pallet (Wood Support) of the bottom of the outdoor unit before fixing the bolt or welding.  
It may cause the unstable state of the outdoor settlement, and may cause freezing of the heat exchanger resulting in abnormal operations, hazard of fire during welding.

## 4. Refrigerant Piping System

### ■ Piping System between outdoor unit / indoor unit



### ◆ Refrigerant additional charge calculation method

$$\text{Additional charge (g)} = [(L1 + L2 + L3 + L4) - (A \times CF1)] \times a - (CF2 \times 150)$$

L1~L4 (m) : Installed Piping Length (Outdoor Unit ~ Indoor Unit)

A (m) : Charge-less piping length

a (g/m) : Additional charging volume for Main Pipe (Outdoor Unit ~ Indoor Unit)

CF1 : Total number of connected indoor unit ÷ Max. number of connectable indoor unit

CF2 : Max. number of connectable indoor unit – Total number of connected indoor unit

\* Refer to the specifications for detail information of A, a.

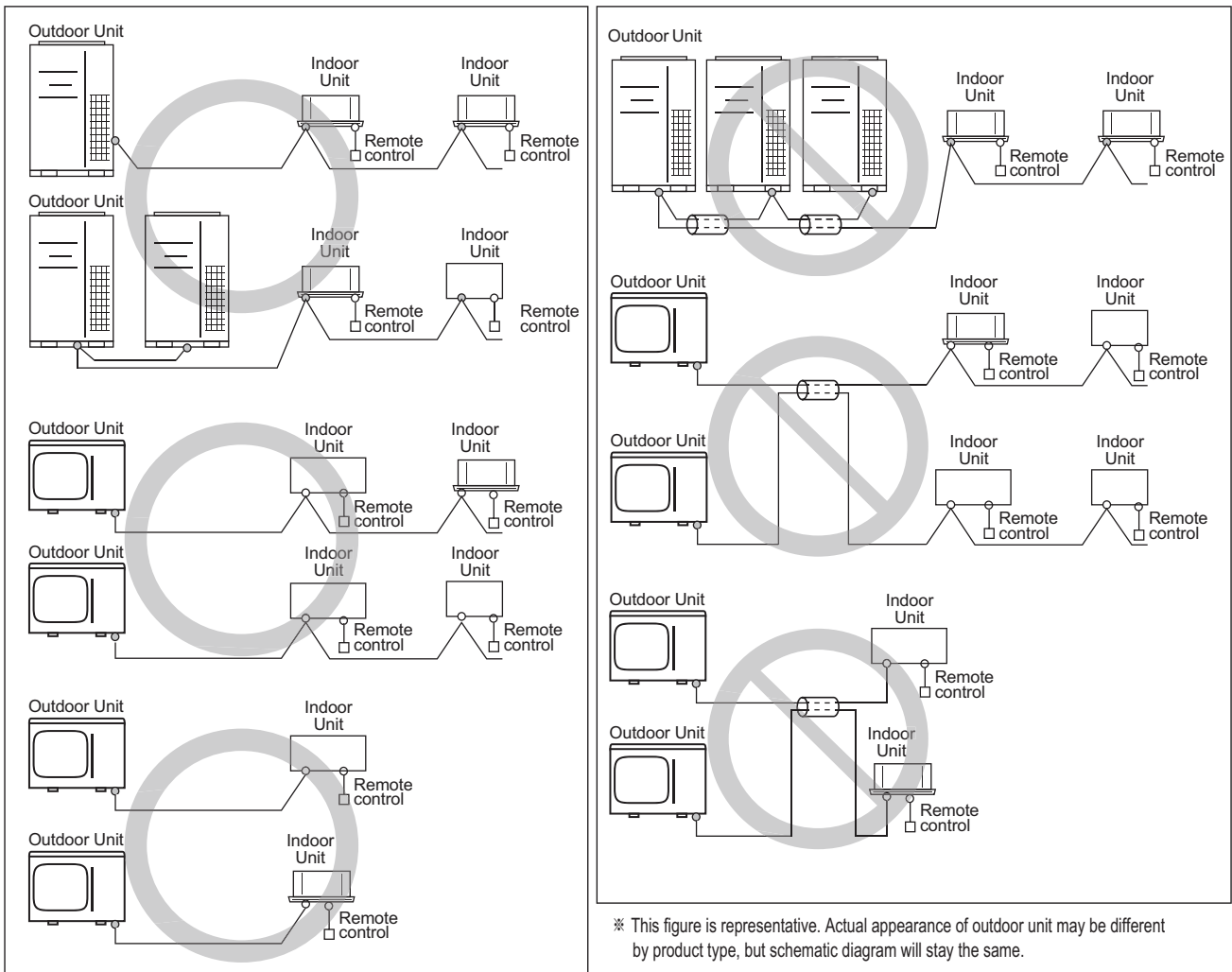
\* If total additional charge value after calculation comes out to be negative, then do not consider additional charge.

### ◆ Caution

- Please check the product type. Piping installation and refrigerant charge varies depending on the type of product. For more information, please refer to the installation manual.
- Capacity is based on standard length and maximum allowance length is on the basis of reliability.
- Improper refrigerant charge may result in abnormal cycle.

## 5. Electrical Wiring

### ■ General Instruction



- Follow ordinance of local regulation for technical standard related to electrical equipment, wiring regulations and guidance of each electric power company.
- Be sure to provide designated grounding work to installed unit.
- Give some allowance to wiring for electrical part box of units, because the box is sometimes removed at the time of service work.
- Only the communication line specified should be connected to the terminal block for unit communication.

#### ◆ WARNING

- Be sure to have authorized electrical engineers do the electric work using special circuits in accordance with regulations and installation manual. If power supply circuit has a lack of capacity or electric work deficiency, it may cause an electric shock or fire.
- Be sure to connect the installed unit to earth. Do not connect earth line to any gas pipe, liquid pipe, lightning rod or telephone earth line. If earth is incomplete, it may cause an electric shock

#### ◆ CAUTION

- Product which use 3-phase power source have reversed phase protection detector that only works when the power is turned on. If there exists black out or the power goes on and off which the product is operating, attach

## 5. Electrical Wiring

a reversed phase protection circuit locally. Running the product in reversed phase may break the compressor and other parts.

- Install the communication line away from the power source wiring so that it is not affected by electric noise from the power source. (Do not run it through the same conduit.) Never use them together with power cables.
- Never use multi-core cable. If communication lines of different systems are wired with the same multiple-core cable, the resultant poor transmitting and receiving will cause erroneous operations.
- The conductive shielding layer of cable should be grounded to the metal part of both units.
- As this unit is equipped with an inverter, to install a phase leading capacitor not only will deteriorate power factor improvement effect, but also may cause capacitor abnormal heating. Therefore, never install a phase leading capacitor.
- Make sure that the power unbalance ratio is not greater than 2%. If it is greater, the unit's lifespan will be reduced.
- Never connect the main power source to terminal block of communication line. If connected, electrical parts will be burnt out.
- Introducing with a missing "N" phase or with a mistaken "N" phase will break the equipment.  
When the power supply is applied to "N" phase by mistake, replace inverter PCB and transformer in control box.

### ■ Communication and Power Lines

- **Communication cable**
  - Types : shielded cables
  - Use wires of size : over 1.0 ~ 1.5 mm<sup>2</sup>
  - Maximum allowable temperature of cable : over 60°C (140°F)
  - Maximum allowable line length: under 1,000m
- **Remote control cable**
  - Types : 3-core cable
- **Central control cable**
  - Please check the model function table for compatibility with central controller.

Product type	Wire type	Diameter
ACP&AC Manager	2-core cables (shielded)	1.0 ~ 1.5 mm <sup>2</sup>
AC Smart	2-core cables (shielded)	1.0 ~ 1.5 mm <sup>2</sup>
Simple central controller	4-core cables (shielded)	1.0 ~ 1.5 mm <sup>2</sup>
AC Ez	4-core cables (shielded)	1.0 ~ 1.5 mm <sup>2</sup>

- **Separation of communication and power lines**
  - If communication and power lines are installed alongside each other then there is a strong likelihood of operational faults developing due to interference in the signal wiring caused by electrostatic and electromagnetic coupling.  
The tables below indicate our recommendation as to appropriate spacing of communication and power lines where these are to be run side by side

Current capacity of power line		Spacing
100V or more	10A	300mm
	50A	500mm
	100A	1,000mm
	Exceed 100A	1,500mm

## 5. Electrical Wiring

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- The figures are based on assumed length of parallel cabling up to 100m. For length in excess of 100m the figures will have to be recalculated in direct proportion to the additional length of line involved.
- If the power supply waveform continues to exhibit some distortion the recommended spacing in the table should be increased.
  - » If the lines are laid inside conduits then the following point must also be taken into account when grouping various lines together for introduction into the conduits
  - » Power lines(including power supply to air conditioner) and signal lines must not be laid inside the same
  - » In the same way, when grouping the lines power and signal lines should not be bunched together.

### ◆ CAUTION

- If apparatus is not properly earthed then there is always a risk of electric shock, the grounding of the apparatus must be carried out by a qualified person.

## 6. Field Wiring

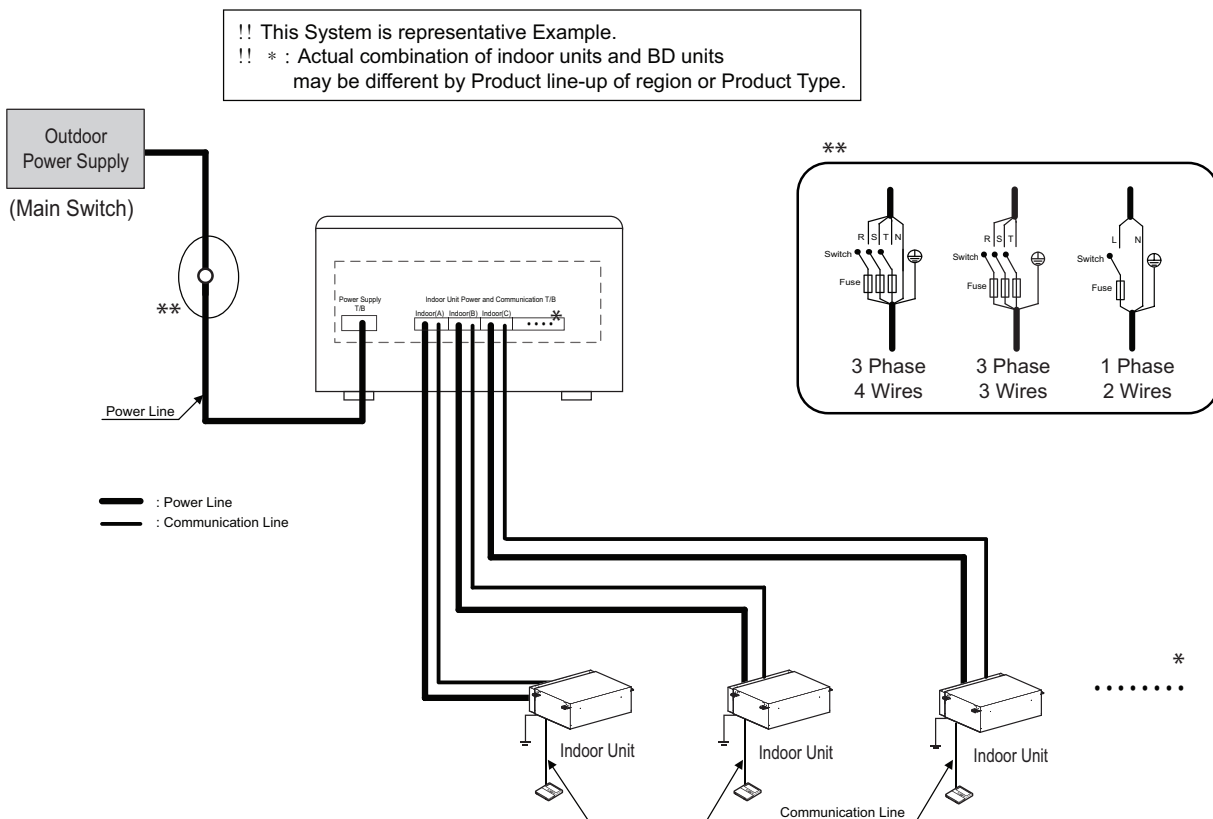
### ■ Wiring of Main Power Supply

- Bear in mind ambient conditions (ambient temperature, direct sunlight, rain liquid, etc.) when proceeding with the wiring and connections
- The wire size is the minimum value for metal conduit wiring. The power cord size should be 1 rank thicker taking into account the line voltage drops. Make sure the power-supply voltage does not drop more than 10%.
- Specific wiring requirements should adhere to the wiring regulations of the region.
- Power supply cords of parts of appliances for outdoor use should not be lighter than polychloroprene sheathed flexible cord (design 60245 IEC57).
- Don't install an individual switch or electrical outlet to disconnect each of indoor unit separately from the power supply.

### ⚠ WARNING

- Make sure to use specified wires for connections so that no external force is imparted to terminal connections. If connections are not fixed firmly, it may cause heating or fire.
- Make sure to use the appropriate type of overcurrent protection switch. Note that generated overcurrent may include some amount of direct current.
- All Installation site must require attachment of an earth leakage breaker. If no earth leakage breaker is installed, it may cause an electric shock.
- Do not use anything other than breaker and fuse with correct capacity. Using fuse and wire or copper wire with too large capacity may cause a malfunction of unit or fire.

### ◆ Schematic Diagram of system wiring

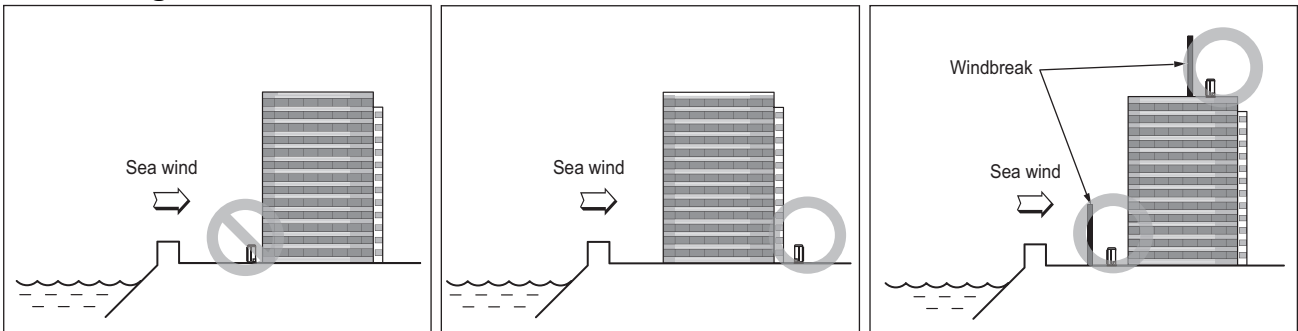


## 7. Special guide for installation at the Seaside

### ■ CAUTION

- Air conditioners should not be installed in areas where corrosive gases, such as acid or alkaline gas, are produced.
- Do not install the product where it could be exposed to sea wind (salty wind) directly. It can result corrosion on the product. Corrosion, particularly on the condenser and evaporator fins, could cause product malfunction or inefficient performance.
- If outdoor unit is installed close to the seaside, it should avoid direct exposure to the sea wind. Otherwise it needs additional anticorrosion treatment on the heat exchanger.

### ■ Selecting the location of Outdoor Units



※ This figure is representative. Actual appearance of outdoor unit may be different by product type.

- If the outdoor unit is to be installed close to the seaside, direct exposure to the sea wind should be avoided. Install the outdoor unit on the opposite side of the sea wind direction.
- It should be strong enough like concrete to prevent the sea wind from the sea.
- The height and width should be more than 150% of the outdoor unit.
- It should be kept more than 70 cm of space between outdoor unit and the windbreak for easy air flow.
- In case, to install the outdoor unit on the seaside, set up a windbreak not to be exposed to the sea wind.
- Select a well-drained place.
- Periodic ( more than once/year ) cleaning of the dust or salt particles stuck on the heat exchanger by using water.





**Air Solution**

LG Electronics Inc, 128, Yeoui-daero,  
Yeongdeungpo-gu, Seoul, Korea  
(07336)  
<http://partner.lge.com>

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The air conditioners manufactured by LG have received ISO9001 certificate for quality assurance and ISO14001 certificate for environmental management system.  
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