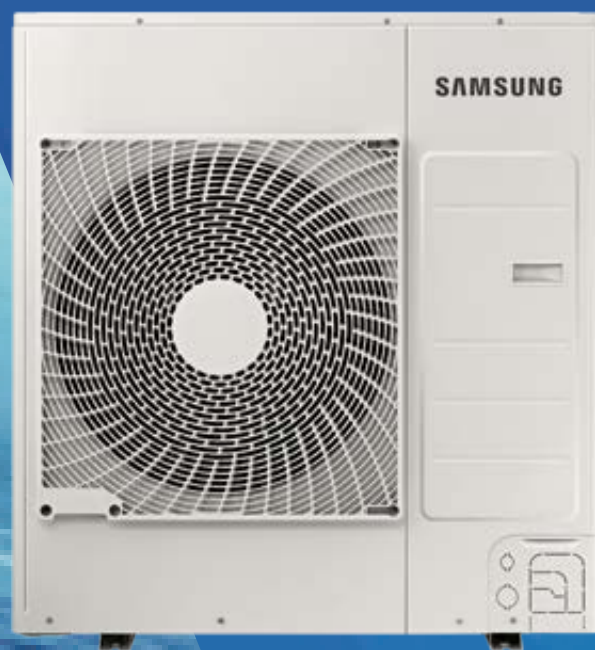


SAMSUNG

SINGLE Technical Data Book

**Hylex (Hybrid Flexible Single) for America
(R-454B, 60Hz, HP)**



History

Version	Modification	Date	Remark
Ver. 1.0	Released Hylex (Hybrid Flexible Single) for North America	25. 07. 07	
Ver. 2.0	Updated new line up	25. 08. 29	

Nomenclature

US Code

Model Name

C

C

G

48

U

D

F

(1)

(2)

(3)

(4)

(5)

(6)

(7)

(1) Classification

C	CAC
---	-----

(2) Product Type

E	Indoor Unit
C	Outdoor Unit

(3) Mode

F	Cooling Only (R-32/R-454B)
G	Heat Pump (R-32/R-454B)

(4) Capacity

X1,000 Btu/h (2 digits)

(5-1) Product Notation (Indoor Unit)

1	1 Way Cassette / Wind-Free 1 Way Cassette
N	4 Way Cassette (600x600) Wind-Free 4 Way Cassette (600x600)
4	4 Way Cassette / Wind-Free 4 Way Cassette
L	LSP Duct
H	HSP Duct
C	Ceiling
J	Console
A	AR9500 (Wall Mounted)
T	MAX4 (Wall Mounted)
Z	Multi-position AHU

(5-2) Feature1 (Outdoor Unit)

A	Inv+Side+General Temp
S	Inv+Side+Low Temp
Q	Inv+Side+Tropical Temp
F	Inv+Top+Tropical Temp
U	Hylex

(6) Feature

F	Flagship
S	Standard
D	Deluxe
P	Premium
C	Deluxe + Low Temp.

(7) Version

F	2025
---	------

Nomenclature

Outdoor Unit

Model Name

AC

048

F

C

U

D

C

G

/

AA

(1)

(2)

(3)

(4)

(5)

(6)

(7)

(8)

Buyer

(1) Classification

AC	CAC
----	-----

(2) Capacity

X1,000 Btu/h (3 digits)

(3) Version

F	2025
---	------

(4) Product Type

E	Indoor Unit
C	Outdoor Unit

(5) Product Notation

A	Inv+Side+General Temp
S	Inv+Side+Low Temp
Q	Inv+Side+Tropical Temp
F	Inv+Top+Tropical Temp
U	Hylex

(6) Feature

F	Flagship
S	Standard
D	Deluxe
P	Premium

(7) Rating Voltage

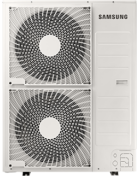
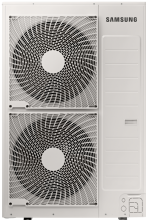
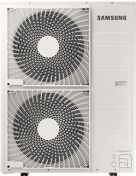
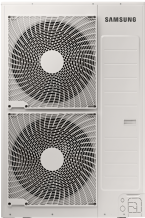
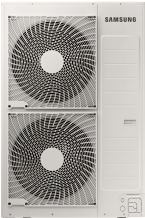
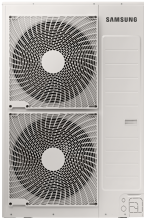
C	1Φ, 208-230V,60Hz
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(8) Mode

F	Cooling Only (R-32/R-454B)
G	Heat Pump (R-32/R-454B)

Line-up

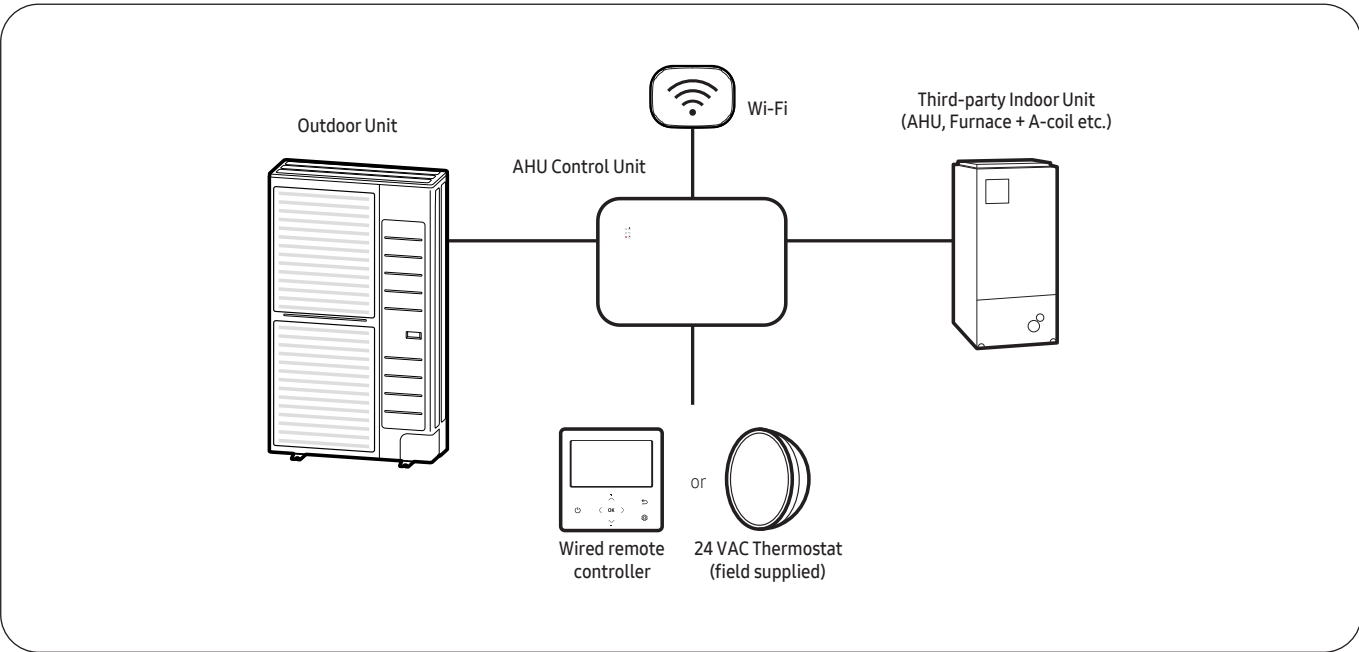
Outdoor units

Capacity (kBtu/h)	24	36	48	60
Image				
Model	CCG24UDF (AC024FCUDCG/AA)	CCG36UDF (AC036FCUDCG/AA)	CCG48UDF (AC048FCUDCG/AA)	CCG60UDF (AC060FCUDCG/AA)
Image				
Model	CCG24UPF (AC024FCUPCG/AA)	CCG36UPF (AC036FCUPCG/AA)	CCG48UPF (AC048FCUPCG/AA)	CCG60UPF (AC060FCUPCG/AA)

Line-up

ACU (AHU Control Unit)

Model	MXD-U001XN
Image	



Contents

1. Specification	8
2. Summary Table	49
3. Capacity Table	50
4. Dimensional Drawing	90
5. Center of Gravity	94
6. Electrical Wiring Diagram	96
7. Sound Data	98
8. Capacity Correction	102
9. Operation Range	104
10. Piping Diagram	105
11. Installation	107

1. Specification

AHU

Model Name	Indoor Unit (Maker)		FEMG31A24S001R (ADP)	FEMG34A36S001R (ADP)
	Outdoor Unit		AC024FCUDCG/AA	AC036FCUDCG/AA
US Code	Outdoor Unit		CCG24UDF	CCG36UDF
Mode			Heat Pump	Heat Pump
Power Supply	Φ, #, V, Hz		1,2,208-230,60	1,2,208-230,60
Performance	Capacity (Min/Std/Max)	Cooling	kW	3.20 / 7.00 / 8.70
			Btu/h	11,000 / 24,000 / 30,000
			US RT	0.91 / 1.99 / 2.47
		Heating	kW	2.00 / 7.30 / 10.20
			Btu/h	7,000 / 25,000 / 35,000
			US RT	0.57 / 2.08 / 2.90
Power	Power Input (Min/Std/Max)	Cooling	kW	0.95 / 2.28 / 3.20
		Heating		0.70 / 2.44 / 5.35
	Current Input (Min/Std/Max)	Cooling	A	5.00 / 10.40 / 15.00
		Heating		4.50 / 11.10 / 24.00
	Current	MCA	A	24.1
		MOP	A	30.0
Efficiency	EER2	Cooling	W/W	3.07
		Cooling (US)	(Btu/h)/W	10.50
	COP	Heating	W/W	3.0
	SEER2 (Cooling Energy)		-	15.2
	HSPF2 (Heating Energy)		-	8.0
Pipe Connections	Liquid Pipe		Type	Brazing connection
			Φ, mm(inch)	9.52 (3/8)
	Gas Pipe		Type	Brazing connection
			Φ, mm(inch)	19.05 (3/4)
	Heat Insulation		-	Both liquid and gas pipes
	Pipe Length (ODU-IDU)	Standard	m (ft)	7.5 (24.6)
		Max.	m (ft)	50 (164)
		Elevation	m (ft)	30 (98)
		Chargeless	m (ft)	7.5 (24.6)
Wiring Connections	Communication (ODU-ACU KIT)	Min.	mm ²	0.75
			inch ²	0.0012
			AWG	18
		Remark	-	F1, F2
Refrigerant	Type		-	R-454B
	Factory Charging		kg	2.90
			lbs	6.39
	Control Method		-	EEV
Heat Exchanger	Type		-	F&T
	Material	Fin	-	Al
		Tube	-	Cu
	Fin Treatment		-	Anti-Corrosion
Compressor	Model		-	UF8LF3300FJUSG
	Type		-	Twin BLDC Rotary
	Output		kW	2.73
	Oil	Type	-	PVE
		Initial Charge	cc (fl oz)	1,400 (47.3)
Fan	Type		-	Propellar
	Discharge direction		-	Front
	Quantity		EA	1
	Air Flow Rate		m ³ /min	76
			ft ³ /min	2,684
Fan Motor	Type		-	BLDC
	Output		W x n	125 x 1

1. Specification

AHU

Model Name	Indoor Unit (Maker)			FEMG31A24S001R (ADP)	FEMG34A36S001R (ADP)
	Outdoor Unit			AC024FCUDCG/AA	AC036FCUDCG/AA
US Code	Outdoor Unit			CCG24UDF	CCG36UDF
Sound Level	Sound Pressure Level	Cooling	dB(A)	50	53
		Heating	dB(A)	52	55
	Sound Power Level		dB(A)	70	73
External Dimension	Net Weight		kg(lbs)	71.0 (156.5)	71.0 (156.5)
	Shipping Weight		kg(lbs)	77.0 (169.8)	77.0 (169.8)
	Net Dimensions (WxHxD)		mm	940 x 998 x 330	940 x 998 x 330
			inch	37 x 39-5/16 x 13	37 x 39-5/16 x 13
	Shipping Dimensions (WxHxD)		mm	995 x 1,096 x 426	995 x 1,096 x 426
			inch	39-3/16 x 43-1/8 x 16-3/4	39-3/16 x 43-1/8 x 16-3/4
Casing	Material	Body	-	Steel	Steel
Operating Temp. Range	Cooling		°C	-20~50	-20~50
			°F	-4~122	-4~122
	Heating		°C	-25~24	-25~24
			°F	-13~75	-13~75

NOTE

- Specifications may be subject to change without prior notice.
- 1) Performances are based on the following test conditions.
 - Cooling : Indoor temperature : 80°F(26.7°C) DB, 67°F(19.4°C) WB, Outdoor temperature : 95°F(35°C) DB, 75°F(23.9°C) WB
 - Heating : Indoor temperature : 70°F(21.1°C) DB, 60°F(15.6°C) WB, Outdoor temperature : 47°F(8.3°C) DB, 43°F(6.1°C) WB
 - Equivalent refrigerant pipe length 7.5m (24.6ft), Level differences 0m (0ft)
- 2) Select wire size based on the value of MCA
- 3) Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A-weighted sound pressure level / Reference acoustic pressure 0 dB = 20uPa
- 4) Sound power level is an absolute value that a sound source generates.
 - dBA = A-weighted sound power level
 - Reference power : 1pW / Measured according to ISO 3741
- 5) These products contain R-454B which is fluorinated greenhouse gas.

1. Specification

AHU

Model Name	Indoor Unit (Maker)			FEMTT3A48S001R (ADP)	FEMTT7A60S001R (ADP)
	Outdoor Unit			AC048FCUDCG/AA	AC060FCUDCG/AA
US Code	Outdoor Unit			CCG48UDF	CCG60UDF
Mode				Heat Pump	Heat Pump
Power Supply	Φ, #, V, Hz			1,2,208-230,60	1,2,208-230,60
Performance	Capacity (Min/Std/Max)	Cooling	kW	4.20 / 13.40 / 16.10	4.30 / 15.80 / 17.20
			Btu/h	14,500 / 46,000 / 55,000	15,000 / 54,000 / 59,000
			US RT	1.19 / 3.81 / 4.58	1.22 / 4.49 / 4.89
		Heating	kW	3.30 / 14.00 / 17.50	3.50 / 16.40 / 19.00
			Btu/h	11,500 / 48,000 / 60,000	12,000 / 56,000 / 65,000
			US RT	0.94 / 3.98 / 4.98	1.00 / 4.66 / 5.40
Power	Power Input (Min/Std/Max)	Cooling	kW	1.30 / 4.84 / 5.80	1.40 / 5.40 / 6.50
		Heating		1.10 / 4.53 / 7.10	1.20 / 4.97 / 7.30
	Current Input (Min/Std/Max)	Cooling	A	7.00 / 22.10 / 26.00	8.00 / 24.70 / 29.00
		Heating		7.00 / 20.70 / 32.00	7.50 / 22.70 / 32.00
	Current	MCA	A	33.3	33.3
		MOP	A	40.0	40.0
Efficiency	EER2	Cooling	W/W	2.77	2.93
		Cooling (US)	(Btu/h)/W	9.5	10.0
	COP	Heating	W/W	3.1	3.3
	SEER2 (Cooling Energy)		-	14.3	14.3
	HSPF2 (Heating Energy)		-	8.0	8.0
Pipe Connections	Liquid Pipe		Type	Brazing connection	Brazing connection
			Φ, mm(inch)	9.52 (3/8)	9.52 (3/8)
	Gas Pipe		Type	Brazing connection	Brazing connection
			Φ, mm(inch)	22.2 (7/8)	22.2 (7/8)
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes
	Pipe Length (ODU-IDU)	Standard	m (ft)	7.5 (24.6)	7.5 (24.6)
		Max.	m (ft)	50 (164)	50 (164)
		Elevation	m (ft)	30 (98)	30 (98)
		Chargeless	m (ft)	7.5 (24.6)	7.5 (24.6)
Wiring Connections	Communication (ODU-ACU KIT)	Min.	mm ²	0.75	0.75
			inch ²	0.0012	0.0012
			AWG	18	18
		Remark	-	F1, F2	F1, F2
Refrigerant	Type		-	R-454B	R-454B
	Factory Charging		kg	3.80	4.00
			lbs	8.38	8.82
	Control Method		-	EEV	EEV
Heat Exchanger	Type		-	F&T	F&T
	Material	Fin	-	Al	Al
		Tube	-	Cu	Cu
	Fin Treatment		-	Anti-Corrosion	Anti-Corrosion
Compressor	Model		-	UF5LF3450FJXSG	UF5LF3450FJXSG
	Type		-	Twin BLDC Rotary	Twin BLDC Rotary
	Output		kW	3.95	3.95
	Oil	Type	-	PVE	PVE
		Initial Charge	cc (fl oz)	1,500 (50.7)	1,500 (50.7)
Fan	Type		-	Propellar	Propellar
	Discharge direction		-	Front	Front
	Quantity		EA	2	2
	Air Flow Rate		m ³ /min	100	125
			ft ³ /min	3,532	4,415
Fan Motor	Type		-	BLDC	BLDC
	Output		W x n	125 x 2	125 x 2

1. Specification

AHU

Model Name	Indoor Unit (Maker)			FEMTT3A48S001R (ADP)	FEMTT7A60S001R (ADP)
	Outdoor Unit			AC048FCUDCG/AA	AC060FCUDCG/AA
US Code	Outdoor Unit			CCG48UDF	CCG60UDF
Sound Level	Sound Pressure Level	Cooling	dB(A)	55	56
		Heating	dB(A)	57	58
	Sound Power Level		dB(A)	75	75
External Dimension	Net Weight		kg(lbs)	95.0 (209.4)	101.0 (222.7)
	Shipping Weight		kg(lbs)	104.0 (229.3)	111.0 (244.7)
	Net Dimensions (WxHxD)		mm	940 x 1,210 x 330	940 x 1,420 x 330
			inch	37 x 47-5/8 x 13	37 x 55-7/8 x 13
	Shipping Dimensions (WxHxD)		mm	995 x 1,388 x 426	995 x 1,598 x 426
			inch	39-3/16 x 54-5/8 x 16-3/4	39-3/16 x 62-15/16 x 16-3/4
Casing	Material	Body	-	Steel	Steel
Operating Temp. Range	Cooling		°C	-20~50	-20~50
			°F	-4~122	-4~122
	Heating		°C	-25~24	-25~24
			°F	-13~75	-13~75

NOTE

- Specifications may be subject to change without prior notice.
- 1) Performances are based on the following test conditions.
 - Cooling : Indoor temperature : 80°F(26.7°C) DB, 67°F(19.4°C) WB, Outdoor temperature : 95°F(35°C) DB, 75°F(23.9°C) WB
 - Heating : Indoor temperature : 70°F(21.1°C) DB, 60°F(15.6°C) WB, Outdoor temperature : 47°F(8.3°C) DB, 43°F(6.1°C) WB
 - Equivalent refrigerant pipe length 7.5m (24.6ft), Level differences 0m (0ft)
- 2) Select wire size based on the value of MCA
- 3) Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A-weighted sound pressure level / Reference acoustic pressure 0 dB = 20uPa
- 4) Sound power level is an absolute value that a sound source generates.
 - dBA = A-weighted sound power level
 - Reference power : 1pW / Measured according to ISO 3741
- 5) These products contain R-454B which is fluorinated greenhouse gas.

1. Specification

AHU

Model Name	Indoor Unit (Maker)			FEMG33A25S001R (ADP)	FEMTT3A37S001R (ADP)
	Outdoor Unit			AC024FCUPCG/AA	AC036FCUPCG/AA
US Code	Outdoor Unit			CCG24UPF	CCG36UPF
Mode				Heat Pump	Heat Pump
Power Supply	Φ, #, V, Hz			1,2,208-230,60	1,2,208-230,60
Performance	Capacity (Min/Std/Max)	Cooling	kW	3.50 / 7.00 / 9.30	4.30 / 10.50 / 12.30
			Btu/h	12,000 / 24,000 / 32,000	15,000 / 36,000 / 42,000
			US RT	1.00 / 1.99 / 2.64	1.22 / 2.99 / 3.50
		Heating	kW	2.30 / 7.30 / 10.80	3.20 / 10.50 / 16.10
			Btu/h	8,000 / 25,000 / 37,000	11,000 / 36,000 / 55,000
			US RT	0.65 / 2.08 / 3.07	0.91 / 2.99 / 4.58
Power	Power Input (Min/Std/Max)	Cooling	kW	0.80 / 2.05 / 3.00	1.00 / 3.00 / 4.20
		Heating		0.60 / 2.28 / 5.10	0.70 / 3.10 / 7.10
	Current Input (Min/Std/Max)	Cooling	A	4.00 / 9.30 / 14.00	5.50 / 13.70 / 19.00
		Heating		4.00 / 10.40 / 24.00	4.50 / 14.10 / 32.00
	Current	MCA	A	25.3	33.3
		MOP	A	30.0	40.0
Efficiency	EER2	Cooling	W/W	3.41	3.50
		Cooling (US)	(Btu/h)/W	11.7	12.0
	COP	Heating	W/W	3.2	3.4
	SEER2 (Cooling Energy)		-	17.0	17.5
	HSPF2 (Heating Energy)		-	8.5	8.5
Pipe Connections	Liquid Pipe		Type	Brazing connection	Brazing connection
			Φ, mm(inch)	9.52 (3/8)	9.52 (3/8)
	Gas Pipe		Type	Brazing connection	Brazing connection
			Φ, mm(inch)	22.2 (7/8)	22.2 (7/8)
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes
	Pipe Length (ODU-IDU)	Standard	m (ft)	7.5 (24.6)	7.5 (24.6)
		Max.	m (ft)	50 (164)	50 (164)
		Elevation	m (ft)	30 (98)	30 (98)
		Chargeless	m (ft)	7.5 (24.6)	7.5 (24.6)
Wiring Connections	Communication (ODU-ACU KIT)	Min.	mm ²	0.75	0.75
			inch ²	0.0012	0.0012
			AWG	18	18
		Remark	-	F1, F2	F1, F2
Refrigerant	Type		-	R454B	R454B
	Factory Charging		kg	3.20	4.50
			lbs	7.05	9.92
	Control Method		-	EEV	EEV
Heat Exchanger	Type		-	F&T	F&T
	Material	Fin	-	Al	Al
		Tube	-	Cu	Cu
	Fin Treatment		-	Anti-Corrosion	Anti-Corrosion
Compressor	Model		-	UF8LF3300FJUSG	UF5LF3450FJXSG
	Type		-	Twin BLDC Rotary	Twin BLDC Rotary
	Output		kW	2.73	3.95
	Oil	Type	-	PVE	PVE
		Initial Charge	cc (fl oz)	1,400 (47.3)	1,500 (50.7)
Fan	Type		-	Propellar	Propellar
	Discharge direction		-	Front	Front
	Quantity		EA	2	2
	Air Flow Rate		m ³ /min	100	125
			ft ³ /min	3,532	4,415
Fan Motor	Type		-	BLDC	BLDC
	Output		W x n	125 x 2	125 x 2

1. Specification

AHU

Model Name	Indoor Unit (Maker)			FEMG33A25S001R (ADP)	FEMTT3A37S001R (ADP)
	Outdoor Unit			AC024FCUPCG/AA	AC036FCUPCG/AA
US Code	Outdoor Unit			CCG24UPF	CCG36UPF
Sound Level	Sound Pressure	Cooling	dB(A)	50	55
	Level	Heating	dB(A)	52	57
	Sound Power Level		dB(A)	70	75
External Dimension	Net Weight		kg(lbs)	87.0 (191.8)	104.0 (229.3)
	Shipping Weight		kg(lbs)	96.0 (211.6)	114.0 (251.3)
	Net Dimensions (WxHxD)		mm	940 x 1,210 x 330	940 x 1,420 x 330
			inch	37.01 x 47.64 x 12.99	37.01 x 55.91 x 12.99
	Shipping Dimensions (WxHxD)		mm	995 x 1,388 x 426	995 x 1,598 x 426
			inch	39.17 x 54.65 x 16.77	39.17 x 62.91 x 16.77
Casing	Material	Body	-	Steel	Steel
Operating Temp. Range	Cooling		°C	-20~52	-20~52
			°F	-4~126	-4~126
	Heating		°C	-25~24	-25~24
			°F	-13~75	-13~75

NOTE

- Specifications may be subject to change without prior notice.
- 1) Performances are based on the following test conditions.
 - Cooling : Indoor temperature : 80°F(26.7°C) DB, 67°F(19.4°C) WB, Outdoor temperature : 95°F(35°C) DB, 75°F(23.9°C) WB
 - Heating : Indoor temperature : 70°F(21.1°C) DB, 60°F(15.6°C) WB, Outdoor temperature : 47°F(8.3°C) DB, 43°F(6.1°C) WB
 - Equivalent refrigerant pipe length 7.5m (24.6ft), Level differences 0m (0ft)
- 2) Select wire size based on the value of MCA
- 3) Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A-weighted sound pressure level / Reference acoustic pressure 0 dB = 20uPa
- 4) Sound power level is an absolute value that a sound source generates.
 - dBA = A-weighted sound power level
 - Reference power : 1pW / Measured according to ISO 3741
- 5) These products contain R-454B which is fluorinated greenhouse gas.

1. Specification

AHU

Model Name	Indoor Unit (Maker)		FEMTT7A60S001R (ADP)	FEMUU1A60S001R (ADP)
	Outdoor Unit		AC048FCUPCG/AA	AC060FCUPCG/AA
US Code	Outdoor Unit		CCG48UPF	CCG60UPF
Mode			Heat Pump	Heat Pump
Power Supply			Φ,#,V,Hz	1,2,208-230,60
Performance	Capacity (Min/Std/Max)	Cooling	kW	4.50 / 13.70 / 16.70
			Btu/h	15,500 / 47,000 / 57,000
			US RT	1.28 / 3.90 / 4.75
		Heating	kW	3.50 / 14.00 / 18.70
			Btu/h	12,000 / 48,000 / 64,000
			US RT	1.00 / 3.98 / 5.32
Power	Power Input (Min/Std/Max)	Cooling	kW	1.20 / 4.27 / 5.70
		Heating		0.90 / 4.01 / 7.10
	Current Input (Min/Std/Max)	Cooling	A	6.50 / 19.50 / 25.50
		Heating		7.50 / 23.20 / 28.50
	Current	MCA	A	33.3
		MOP	A	40.0
Efficiency	EER2	Cooling	W/W	3.21
		Cooling (US)	(Btu/h)/W	11.0
	COP	Heating	W/W	3.5
				3.4
	SEER2 (Cooling Energy)		-	16.5
	HSPF2 (Heating Energy)		-	8.5
Pipe Connections	Liquid Pipe		Type	Brazing connection
			Φ, mm(inch)	9.52 (3/8)
	Gas Pipe		Type	Brazing connection
			Φ, mm(inch)	22.2 (7/8)
	Heat Insulation		-	Both liquid and gas pipes
	Pipe Length (ODU-IDU)	Standard	m (ft)	7.5 (24.6)
		Max.	m (ft)	50 (164)
		Elevation	m (ft)	30 (98)
		Chargeless	m (ft)	7.5 (24.6)
Wiring Connections	Communication (ODU-ACU KIT)	Min.	mm ²	0.75
			inch ²	0.0012
			AWG	18
		Remark	-	F1, F2
Refrigerant	Type		-	R454B
	Factory Charging		kg	5.50
			lbs	12.13
	Control Method		-	EEV
Heat Exchanger	Type		-	F&T
	Material	Fin	-	Al
		Tube	-	Cu
	Fin Treatment		-	Anti-Corrosion
Compressor	Model		-	UF5LF3450FJXSG
	Type		-	Twin BLDC Rotary
	Output		kW	3.95
	Oil	Type	-	PVE
		Initial Charge	cc (fl oz)	1,500 (50.7)
Fan	Type		-	Propellar
	Discharge direction		-	Front
	Quantity		EA	2
	Air Flow Rate		m ³ /min	125
			ft ³ /min	4,415
Fan Motor	Type		-	BLDC
	Output		W x n	125 x 2

1. Specification

AHU

Model Name	Indoor Unit (Maker)			FEMTT7A60S001R (ADP)	FEMUU1A60S001R (ADP)
	Outdoor Unit			AC048FCUPCG/AA	AC060FCUPCG/AA
US Code	Outdoor Unit			CCG48UPF	CCG60UPF
Sound Level	Sound Pressure Level	Cooling	dB(A)	55	56
		Heating	dB(A)	57	58
	Sound Power Level		dB(A)	75	75
External Dimension	Net Weight		kg(lbs)	105.0 (231.5)	105.0 (231.5)
	Shipping Weight		kg(lbs)	115.0 (253.5)	115.0 (253.5)
	Net Dimensions (WxHxD)		mm	940 x 1,420 x 330	940 x 1,420 x 330
			inch	37.01 x 55.91 x 12.99	37.01 x 55.91 x 12.99
	Shipping Dimensions (WxHxD)		mm	995 x 1,598 x 426	995 x 1,598 x 426
			inch	39.17 x 62.91 x 16.77	39.17 x 62.91 x 16.77
Casing	Material	Body	-	Steel	Steel
Operating Temp. Range	Cooling		°C	-20~50	-20~50
			°F	-4~122	-4~122
	Heating		°C	-25~24	-25~24
			°F	-13~75	-13~75

NOTE

- Specifications may be subject to change without prior notice.
- 1) Performances are based on the following test conditions.
 - Cooling : Indoor temperature : 80°F(26.7°C) DB, 67°F(19.4°C) WB, Outdoor temperature : 95°F(35°C) DB, 75°F(23.9°C) WB
 - Heating : Indoor temperature : 70°F(21.1°C) DB, 60°F(15.6°C) WB, Outdoor temperature : 47°F(8.3°C) DB, 43°F(6.1°C) WB
 - Equivalent refrigerant pipe length 7.5m (24.6ft), Level differences 0m (0ft)
- 2) Select wire size based on the value of MCA
- 3) Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A-weighted sound pressure level / Reference acoustic pressure 0 dB = 20uPa
- 4) Sound power level is an absolute value that a sound source generates.
 - dBA = A-weighted sound power level
 - Reference power : 1pW / Measured according to ISO 3741
- 5) These products contain R-454B which is fluorinated greenhouse gas.

1. Specification

AHU

Model Name	Indoor Unit (Maker)			7AH1AV24PX (Allied)	7AH1AV36PX (Allied)
	Outdoor Unit			AC024FCUDCG/AA	AC036FCUDCG/AA
US Code	Outdoor Unit			CCG24UDF	CCG36UDF
Mode			-	Heat Pump	Heat Pump
Power Supply			Φ,#,V,Hz	1,2,208-230,60	1,2,208-230,60
Performance	Capacity (Min/Std/Max)	Cooling	kW	3.20 / 7.00 / 8.70	3.80 / 9.90 / 11.70
			Btu/h	11,000 / 24,000 / 30,000	13,000 / 34,000 / 40,000
			US RT	0.91 / 1.99 / 2.47	1.08 / 2.82 / 3.33
		Heating	kW	2.00 / 7.30 / 10.20	2.90 / 10.50 / 10.80
			Btu/h	7,000 / 25,000 / 35,000	10,000 / 36,000 / 37,000
			US RT	0.57 / 2.08 / 2.90	0.82 / 2.99 / 3.07
Power	Power Input (Min/Std/Max)	Cooling	kW	0.95 / 2.18 / 3.20	1.10 / 3.77 / 4.50
		Heating		0.70 / 2.44 / 5.35	0.80 / 3.63 / 5.40
	Current Input (Min/Std/Max)	Cooling	A	5.00 / 9.90 / 15.00	6.00 / 17.20 / 20.00
		Heating		4.50 / 11.10 / 24.00	5.00 / 16.60 / 24.00
	Current	MCA	A	24.1	24.1
		MOP	A	30.0	30.0
Efficiency	EER2	Cooling	W/W	3.21	2.63
		Cooling (US)	(Btu/h)/W	11.0	9.0
	COP	Heating	W/W	3.0	2.9
	SEER2 (Cooling Energy		-	15.2	14.6
	HSPF2 (Heating Energy		-	8.1	8.0
	Pipe Connections	Liquid Pipe		Type	Brazing connection
Φ, mm(inch)				9.52 (3/8)	9.52 (3/8)
Gas Pipe		Type	Brazing connection	Brazing connection	
		Φ, mm(inch)	19.05 (3/4)	19.05 (3/4)	
Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	
Pipe Length (ODU-IDU)		Standard	m (ft)	7.5 (24.6)	7.5 (24.6)
		Max.	m (ft)	50 (164)	50 (164)
		Elevation	m (ft)	30 (98)	30 (98)
		Chargeless	m (ft)	7.5 (24.6)	7.5 (24.6)
Wiring Connections	Communication (ODU-ACU KIT)	Min.	mm²	0.75	0.75
			inch²	0.0012	0.0012
			AWG	18	18
		Remark	-	F1, F2	F1, F2
Refrigerant	Type		-	R-454B	R-454B
	Factory Charging		kg	2.90	2.90
			lbs	6.39	6.39
	Control Method		-	EEV	EEV
Heat Exchanger	Type		-	F&T	F&T
	Material	Fin	-	Al	Al
		Tube	-	Cu	Cu
	Fin Treatment		-	Anti-Corrosion	Anti-Corrosion
Compressor	Model		-	UF8LF3300FJUSG	UF8LF3300FJUSG
	Type		-	Twin BLDC Rotary	Twin BLDC Rotary
	Output		kW	2.73	2.73
	Oil	Type	-	PVE	PVE
		Initial Charge	cc (fl oz)	1,400 (47.3)	1,400 (47.3)
Fan	Type		-	Propellar	Propellar
	Discharge direction		-	Front	Front
	Quantity		EA	1	1
	Air Flow Rate		m³/min	76	76
			ft³/min	2,684	2,684
Fan Motor	Type		-	BLDC	BLDC
	Output		W x n	125 x 1	125 x 1

1. Specification

AHU

Model Name	Indoor Unit (Maker)			7AH1AV24PX (Allied)	7AH1AV36PX (Allied)
	Outdoor Unit			AC024FCUDCG/AA	AC036FCUDCG/AA
US Code	Outdoor Unit			CCG24UDF	CCG36UDF
Sound Level	Sound Pressure Level	Cooling	dB(A)	50	53
		Heating	dB(A)	52	55
	Sound Power Level		dB(A)	70	73
External Dimension	Net Weight		kg(lbs)	71.0 (156.5)	71.0 (156.5)
	Shipping Weight		kg(lbs)	77.0 (169.8)	77.0 (169.8)
	Net Dimensions (WxHxD)		mm	940 x 998 x 330	940 x 998 x 330
			inch	37 x 39-5/16 x 13	37 x 39-5/16 x 13
	Shipping Dimensions (WxHxD)		mm	995 x 1,096 x 426	995 x 1,096 x 426
			inch	39-3/16 x 43-1/8 x 16-3/4	39-3/16 x 43-1/8 x 16-3/4
Casing	Material	Body	-	Steel	Steel
Operating Temp. Range	Cooling		°C	-20~50	-20~50
			°F	-4~122	-4~122
	Heating		°C	-25~24	-25~24
			°F	-13~75	-13~75

NOTE

- Specifications may be subject to change without prior notice.
- 1) Performances are based on the following test conditions.
 - Cooling : Indoor temperature : 80°F(26.7°C) DB, 67°F(19.4°C) WB, Outdoor temperature : 95°F(35°C) DB, 75°F(23.9°C) WB
 - Heating : Indoor temperature : 70°F(21.1°C) DB, 60°F(15.6°C) WB, Outdoor temperature : 47°F(8.3°C) DB, 43°F(6.1°C) WB
 - Equivalent refrigerant pipe length 7.5m (24.6ft), Level differences 0m (0ft)
- 2) Select wire size based on the value of MCA
- 3) Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A-weighted sound pressure level / Reference acoustic pressure 0 dB = 20uPa
- 4) Sound power level is an absolute value that a sound source generates.
 - dBA = A-weighted sound power level
 - Reference power : 1pW / Measured according to ISO 3741
- 5) These products contain R-454B which is fluorinated greenhouse gas.

1. Specification

AHU

Model Name	Indoor Unit (Maker)			7AH1AV48PX (Allied)	7AH2AV48PXC71 (Allied)
	Outdoor Unit			AC048FCUDCG/AA	AC060FCUDCG/AA
US Code	Outdoor Unit			CCG48UDF	CCG60UDF
Mode				Heat Pump	Heat Pump
Power Supply	Φ, #, V, Hz			1,2,208-230,60	1,2,208-230,60
Performance	Capacity (Min/Std/Max)	Cooling	kW	4.20 / 13.40 / 16.10	4.30 / 15.80 / 17.20
			Btu/h	14,500 / 46,000 / 55,000	15,000 / 54,000 / 59,000
			US RT	1.19 / 3.81 / 4.58	1.22 / 4.49 / 4.89
		Heating	kW	3.30 / 14.00 / 17.50	3.50 / 16.40 / 19.00
			Btu/h	11,500 / 48,000 / 60,000	12,000 / 56,000 / 65,000
			US RT	0.94 / 3.98 / 4.98	1.00 / 4.66 / 5.40
Power	Power Input (Min/Std/Max)	Cooling	kW	1.30 / 4.84 / 5.80	1.40 / 5.68 / 6.50
		Heating		1.10 / 4.53 / 7.10	1.20 / 5.47 / 7.30
	Current Input (Min/Std/Max)	Cooling	A	7.00 / 22.10 / 26.00	8.00 / 25.90 / 29.00
		Heating		7.00 / 20.70 / 32.00	7.50 / 25.00 / 32.00
	Current	MCA	A	33.3	33.3
		MOP	A	40.0	40.0
Efficiency	EER2	Cooling	W/W	2.77	2.78
		Cooling (US)	(Btu/h)/W	9.5	9.5
	COP	Heating	W/W	3.1	3.0
	SEER2 (Cooling Energy)		-	14.3	14.3
	HSPF2 (Heating Energy)		-	8.0	8.0
Pipe Connections	Liquid Pipe		Type	Brazing connection	Brazing connection
			Φ, mm(inch)	9.52 (3/8)	9.52 (3/8)
	Gas Pipe		Type	Brazing connection	Brazing connection
			Φ, mm(inch)	22.2 (7/8)	22.2 (7/8)
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes
	Pipe Length (ODU-IDU)	Standard	m (ft)	7.5 (24.6)	7.5 (24.6)
		Max.	m (ft)	50 (164)	50 (164)
		Elevation	m (ft)	30 (98)	30 (98)
		Chargeless	m (ft)	7.5 (24.6)	7.5 (24.6)
Wiring Connections	Communication (ODU-ACU KIT)	Min.	mm ²	0.75	0.75
			inch ²	0.0012	0.0012
			AWG	18	18
		Remark	-	F1, F2	F1, F2
Refrigerant	Type		-	R-454B	R-454B
	Factory Charging		kg	3.80	4.00
			lbs	8.38	8.82
	Control Method		-	EEV	EEV
Heat Exchanger	Type		-	F&T	F&T
	Material	Fin	-	Al	Al
		Tube	-	Cu	Cu
	Fin Treatment		-	Anti-Corrosion	Anti-Corrosion
Compressor	Model		-	UF5LF3450FJXSG	UF5LF3450FJXSG
	Type		-	Twin BLDC Rotary	Twin BLDC Rotary
	Output		kW	3.95	3.95
	Oil	Type	-	PVE	PVE
		Initial Charge	cc (fl oz)	1,500 (50.7)	1,500 (50.7)
Fan	Type		-	Propellar	Propellar
	Discharge direction		-	Front	Front
	Quantity		EA	2	2
	Air Flow Rate		m ³ /min	100	125
			ft ³ /min	3,532	4,415
Fan Motor	Type		-	BLDC	BLDC
	Output		W x n	125 x 2	125 x 2

1. Specification

AHU

Model Name	Indoor Unit (Maker)			7AH1AV48PX (Allied)	7AH2AV48PXC71 (Allied)
	Outdoor Unit			AC048FCUDCG/AA	AC060FCUDCG/AA
US Code	Outdoor Unit			CCG48UDF	CCG60UDF
Sound Level	Sound Pressure Level	Cooling	dB(A)	55	56
		Heating	dB(A)	57	58
	Sound Power Level		dB(A)	75	75
External Dimension	Net Weight		kg(lbs)	95.0 (209.4)	101.0 (222.7)
	Shipping Weight		kg(lbs)	104.0 (229.3)	111.0 (244.7)
	Net Dimensions (WxHxD)		mm	940 x 1,210 x 330	940 x 1,420 x 330
			inch	37 x 47-5/8 x 13	37 x 55-7/8 x 13
	Shipping Dimensions (WxHxD)		mm	995 x 1,388 x 426	995 x 1,598 x 426
			inch	39-3/16 x 54-5/8 x 16-3/4	39-3/16 x 62-15/16 x 16-3/4
Casing	Material	Body	-	Steel	Steel
Operating Temp. Range	Cooling		°C	-20~50	-20~50
			°F	-4~122	-4~122
	Heating		°C	-25~24	-25~24
			°F	-13~75	-13~75

NOTE

- Specifications may be subject to change without prior notice.
- 1) Performances are based on the following test conditions.
 - Cooling : Indoor temperature : 80°F(26.7°C) DB, 67°F(19.4°C) WB, Outdoor temperature : 95°F(35°C) DB, 75°F(23.9°C) WB
 - Heating : Indoor temperature : 70°F(21.1°C) DB, 60°F(15.6°C) WB, Outdoor temperature : 47°F(8.3°C) DB, 43°F(6.1°C) WB
 - Equivalent refrigerant pipe length 7.5m (24.6ft), Level differences 0m (0ft)
- 2) Select wire size based on the value of MCA
- 3) Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A-weighted sound pressure level / Reference acoustic pressure 0 dB = 20uPa
- 4) Sound power level is an absolute value that a sound source generates.
 - dBA = A-weighted sound power level
 - Reference power : 1pW / Measured according to ISO 3741
- 5) These products contain R-454B which is fluorinated greenhouse gas.

1. Specification

AHU

Model Name	Indoor Unit (Maker)		7AH2AV24PXC** (Allied)	7AH2AV36PXC** (Allied)
	Outdoor Unit		AC024FCUPCG/AA	AC036FCUPCG/AA
US Code	Outdoor Unit		CCG24UPF	CCG36UPF
Mode			Heat Pump	Heat Pump
Power Supply			Φ,#,V,Hz	1,2,208-230,60
Performance	Capacity (Min/Std/Max)	Cooling	kW	3.50 / 7.00 / 9.30
			Btu/h	12,000 / 24,000 / 32,000
			US RT	1.00 / 1.99 / 2.64
		Heating	kW	2.30 / 7.30 / 10.80
			Btu/h	8,000 / 25,000 / 37,000
			US RT	0.65 / 2.08 / 3.07
Power	Power Input (Min/Std/Max)	Cooling	kW	0.80 / 2.00 / 3.00
		Heating		0.60 / 2.15 / 5.10
	Current Input (Min/Std/Max)	Cooling	A	4.00 / 9.10 / 14.00
		Heating		4.00 / 9.80 / 24.00
	Current	MCA	A	25.3
		MOP	A	30.0
Efficiency	EER2	Cooling	W/W	3.50
		Cooling (US)	(Btu/h)/W	12.0
	COP	Heating	W/W	3.4
	SEER2 (Cooling Energy)		-	17.5
	HSPF2 (Heating Energy)		-	8.5
				8.5
Pipe Connections	Liquid Pipe		Type	Brazing connection
			Φ, mm(inch)	9.52 (3/8)
	Gas Pipe		Type	Brazing connection
			Φ, mm(inch)	22.2 (7/8)
	Heat Insulation		-	Both liquid and gas pipes
	Pipe Length (ODU-IDU)	Standard	m (ft)	7.5 (24.6)
		Max.	m (ft)	50 (164)
		Elevation	m (ft)	30 (98)
		Chargeless	m (ft)	7.5 (24.6)
Wiring Connections	Communication (ODU-ACU KIT)	Min.	mm ²	0.75
			inch ²	0.0012
			AWG	18
		Remark	-	F1, F2
Refrigerant	Type		-	R454B
	Factory Charging		kg	3.20
			lbs	7.05
	Control Method		-	EEV
Heat Exchanger	Type		-	F&T
	Material	Fin	-	Al
		Tube	-	Cu
	Fin Treatment		-	Anti-Corrosion
Compressor	Model		-	UF8LF3300FJUSG
	Type		-	Twin BLDC Rotary
	Output		kW	2.73
	Oil	Type	-	PVE
		Initial Charge	cc (fl oz)	1,400 (47.3)
Fan	Type		-	Propellar
	Discharge direction		-	Front
	Quantity		EA	2
	Air Flow Rate		m ³ /min	125
			ft ³ /min	4,415
Fan Motor	Type		-	BLDC
	Output		W x n	125 x 2

1. Specification

AHU

Model Name	Indoor Unit (Maker)			7AH2AV24PXC** (Allied)	7AH2AV36PXC** (Allied)
	Outdoor Unit			AC024FCUPCG/AA	AC036FCUPCG/AA
US Code	Outdoor Unit			CCG24UPF	CCG36UPF
Sound Level	Sound Pressure Level	Cooling	dB(A)	50	55
		Heating	dB(A)	52	57
	Sound Power Level		dB(A)	70	75
External Dimension	Net Weight		kg(lbs)	87.0 (191.8)	104.0 (229.3)
	Shipping Weight		kg(lbs)	96.0 (211.6)	114.0 (251.3)
	Net Dimensions (WxHxD)		mm	940 x 1,210 x 330	940 x 1,420 x 330
			inch	37.01 x 47.64 x 12.99	37.01 x 55.91 x 12.99
	Shipping Dimensions (WxHxD)		mm	995 x 1,388 x 426	995 x 1,598 x 426
			inch	39.17 x 54.65 x 16.77	39.17 x 62.91 x 16.77
Casing	Material	Body	-	Steel	Steel
Operating Temp. Range	Cooling		°C	-20~52	-20~52
			°F	-4~126	-4~126
	Heating		°C	-25~24	-25~24
			°F	-13~75	-13~75

NOTE

- Specifications may be subject to change without prior notice.
- 1) Performances are based on the following test conditions.
 - Cooling : Indoor temperature : 80°F(26.7°C) DB, 67°F(19.4°C) WB, Outdoor temperature : 95°F(35°C) DB, 75°F(23.9°C) WB
 - Heating : Indoor temperature : 70°F(21.1°C) DB, 60°F(15.6°C) WB, Outdoor temperature : 47°F(8.3°C) DB, 43°F(6.1°C) WB
 - Equivalent refrigerant pipe length 7.5m (24.6ft), Level differences 0m (0ft)
- 2) Select wire size based on the value of MCA
- 3) Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A-weighted sound pressure level / Reference acoustic pressure 0 dB = 20uPa
- 4) Sound power level is an absolute value that a sound source generates.
 - dBA = A-weighted sound power level
 - Reference power : 1pW / Measured according to ISO 3741
- 5) These products contain R-454B which is fluorinated greenhouse gas.

1. Specification

AHU

Model Name	Indoor Unit (Maker)			7AH2AV60PXC** (Allied)	7AH2AV60PXC** (Allied)
	Outdooru Unit			AC048FCUPCG/AA	AC060FCUPCG/AA
US Code	Outdooru Unit			CCG48UPF	CCG60UPF
Mode			-	Heat Pump	Heat Pump
Power Supply			Φ,#,V,Hz	1,2,208-230,60	1,2,208-230,60
Performance	Capacity (Min/Std/Max)	Cooling	kW	4.50 / 13.70 / 16.70	4.60 / 16.10 / 18.40
			Btu/h	15,500 / 47,000 / 57,000	16,000 / 55,000 / 63,000
			US RT	1.28 / 3.90 / 4.75	1.31 / 4.58 / 5.23
		Heating	kW	3.50 / 14.00 / 18.70	3.80 / 16.40 / 21.10
			Btu/h	12,000 / 48,000 / 64,000	13,000 / 56,000 / 72,000
			US RT	1.00 / 3.98 / 5.32	1.08 / 4.66 / 6.00
Power	Power Input (Min/Std/Max)	Cooling	kW	1.20 / 4.27 / 5.70	1.30 / 5.33 / 6.40
		Heating		0.90 / 4.39 / 7.10	1.10 / 5.12 / 7.10
	Current Input (Min/Std/Max)	Cooling	A	6.50 / 19.50 / 25.50	7.50 / 24.30 / 28.50
		Heating		6.00 / 20.00 / 32.00	7.00 / 23.40 / 32.00
	Current	MCA	A	33.3	33.3
		MOP	A	40.0	40.0
Efficiency	EER2	Cooling	W/W	3.21	3.02
		Cooling (US)	(Btu/h)/W	11.0	10.3
	COP	Heating	W/W	3.2	3.2
	SEER2 (Cooling Energy		-	17.0	16.0
	HSPF2 (Heating Energy		-	8.5	8.5
Pipe Connections	Liquid Pipe		Type	Brazing connection	Brazing connection
			Φ, mm(inch)	9.52 (3/8)	9.52 (3/8)
	Gas Pipe		Type	Brazing connection	Brazing connection
			Φ, mm(inch)	22.2 (7/8)	22.2 (7/8)
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes
	Pipe Length (ODU-IDU)	Standard	m (ft)	7.5 (24.6)	7.5 (24.6)
		Max.	m (ft)	50 (164)	50 (164)
		Elevation	m (ft)	30 (98)	30 (98)
Chargeless		m (ft)	7.5 (24.6)	7.5 (24.6)	
Wiring Connections	Communication (ODU-ACU KIT)	Min.	mm²	0.75	0.75
			inch²	0.0012	0.0012
			AWG	18	18
		Remark	-	F1, F2	F1, F2
Refrigerant	Type		-	R454B	R454B
	Factory Charging		kg	5.50	5.50
			lbs	12.13	12.13
	Control Method		-	EEV	EEV
Heat Exchanger	Type		-	F&T	F&T
	Material	Fin	-	Al	Al
		Tube	-	Cu	Cu
	Fin Treatment		-	Anti-Corrosion	Anti-Corrosion
Compressor	Model		-	UF5LF3450FJXSG	UF5LF3450FJXSG
	Type		-	Twin BLDC Rotary	Twin BLDC Rotary
	Output		kW	3.95	3.95
	Oil	Type	-	PVE	PVE
		Initial Charge	cc (fl oz)	1,500 (50.7)	1,500 (50.7)
Fan	Type		-	Propellar	Propellar
	Discharge direction		-	Front	Front
	Quantity		EA	2	2
	Air Flow Rate		m³/min	125	125
			ft³/min	4,415	4,415
Fan Motor	Type		-	BLDC	BLDC
	Output		W x n	125 x 2	125 x 2

1. Specification

AHU

Model Name	Indoor Unit (Maker)			7AH2AV60PXC** (Allied)	7AH2AV60PXC** (Allied)
	Outdoor Unit			AC048FCUPCG/AA	AC060FCUPCG/AA
US Code	Outdoor Unit			CCG48UPF	CCG60UPF
Sound Level	Sound Pressure Level	Cooling	dB(A)	55	56
		Heating	dB(A)	57	58
	Sound Power Level		dB(A)	75	75
External Dimension	Net Weight		kg(lbs)	105.0 (231.5)	105.0 (231.5)
	Shipping Weight		kg(lbs)	115.0 (253.5)	115.0 (253.5)
	Net Dimensions (WxHxD)		mm	940 x 1,420 x 330	940 x 1,420 x 330
			inch	37.01 x 55.91 x 12.99	37.01 x 55.91 x 12.99
	Shipping Dimensions (WxHxD)		mm	995 x 1,598 x 426	995 x 1,598 x 426
			inch	39.17 x 62.91 x 16.77	39.17 x 62.91 x 16.77
Casing	Material	Body	-	Steel	Steel
Operating Temp. Range	Cooling		°C	-20~50	-20~50
			°F	-4~122	-4~122
	Heating		°C	-25~24	-25~24
			°F	-13~75	-13~75

NOTE

- Specifications may be subject to change without prior notice.
- 1) Performances are based on the following test conditions.
 - Cooling : Indoor temperature : 80°F(26.7°C) DB, 67°F(19.4°C) WB, Outdoor temperature : 95°F(35°C) DB, 75°F(23.9°C) WB
 - Heating : Indoor temperature : 70°F(21.1°C) DB, 60°F(15.6°C) WB, Outdoor temperature : 47°F(8.3°C) DB, 43°F(6.1°C) WB
 - Equivalent refrigerant pipe length 7.5m (24.6ft), Level differences 0m (0ft)
- 2) Select wire size based on the value of MCA
- 3) Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A-weighted sound pressure level / Reference acoustic pressure 0 dB = 20uPa
- 4) Sound power level is an absolute value that a sound source generates.
 - dBA = A-weighted sound power level
 - Reference power : 1pW / Measured according to ISO 3741
- 5) These products contain R-454B which is fluorinated greenhouse gas.

1. Specification

A-Coil

Model Name	Indoor Unit (Maker)			HG33A36D175B1801R (ADP)	HG35A36D175B2205R (ADP)
	Outdooru Unit			AC024FCUDCG/AA	AC036FCUDCG/AA
US Code	Outdooru Unit			CCG24UDF	CCG36UDF
Mode			-	Heat Pump	Heat Pump
Power Supply			Φ,#,V,Hz	1,2,208-230,60	1,2,208-230,60
Performance	Capacity (Min/Std/Max)	Cooling	kW	3.20 / 6.70 / 8.70	3.80 / 9.60 / 11.70
			Btu/h	11,000 / 23,000 / 30,000	13,000 / 33,000 / 40,000
			US RT	0.91 / 1.91 / 2.47	1.08 / 2.73 / 3.33
		Heating	kW	2.00 / 7.30 / 10.20	2.90 / 9.90 / 10.80
			Btu/h	7,000 / 25,000 / 35,000	10,000 / 34,000 / 37,000
			US RT	0.57 / 2.08 / 2.90	0.82 / 2.82 / 3.07
Power	Power Input (Min/Std/Max)	Cooling	kW	0.95 / 2.19 / 3.20	1.10 / 3.47 / 4.50
		Heating		0.70 / 2.44 / 5.35	0.80 / 3.11 / 5.40
	Current Input (Min/Std/Max)	Cooling	A	5.00 / 10.00 / 15.00	6.00 / 15.80 / 20.00
		Heating		4.50 / 11.10 / 24.00	5.00 / 14.20 / 24.00
	Current	MCA	A	24.1	24.1
		MOP	A	30.0	30.0
Efficiency	EER2	Cooling	W/W	3.06	2.77
		Cooling (US)	(Btu/h)/W	10.5	9.5
	COP	Heating	W/W	3.0	3.2
	SEER2 (Cooling Energy		-	14.3	14.3
	HSPF2 (Heating Energy		-	8.0	8.0
	Pipe Connections	Liquid Pipe		Type	Brazing connection
Φ, mm(inch)				9.52 (3/8)	9.52 (3/8)
Gas Pipe		Type	Brazing connection	Brazing connection	
		Φ, mm(inch)	19.05 (3/4)	19.05 (3/4)	
Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	
Pipe Length (ODU-IDU)		Standard	m (ft)	7.5 (24.6)	7.5 (24.6)
		Max.	m (ft)	50 (164)	50 (164)
		Elevation	m (ft)	30 (98)	30 (98)
		Chargeless	m (ft)	7.5 (24.6)	7.5 (24.6)
Wiring Connections	Communication (ODU-ACU KIT)	Min.	mm²	0.75	0.75
			inch²	0.0012	0.0012
			AWG	18	18
		Remark	-	F1, F2	F1, F2
Refrigerant	Type		-	R-454B	R-454B
	Factory Charging		kg	2.90	2.90
			lbs	6.39	6.39
	Control Method		-	EEV	EEV
Heat Exchanger	Type		-	F&T	F&T
	Material	Fin	-	Al	Al
		Tube	-	Cu	Cu
	Fin Treatment		-	Anti-Corrosion	Anti-Corrosion
Compressor	Model		-	UF8LF3300FJUSG	UF8LF3300FJUSG
	Type		-	Twin BLDC Rotary	Twin BLDC Rotary
	Output		kW	2.73	2.73
	Oil	Type	-	PVE	PVE
		Initial Charge	cc (fl oz)	1,400 (47.3)	1,400 (47.3)
Fan	Type		-	Propellar	Propellar
	Discharge direction		-	Front	Front
	Quantity		EA	1	1
	Air Flow Rate		m³/min	76.00	76
			ft³/min	2,684	2,684
Fan Motor	Type		-	BLDC	BLDC
	Output		W x n	125 x 1	125 x 1

1. Specification

A-Coil

Model Name	Indoor Unit (Maker)			HG33A36D175B1801R (ADP)	HG35A36D175B2205R (ADP)
	Outdoor Unit			AC024FCUDCG/AA	AC036FCUDCG/AA
US Code	Outdoor Unit			CCG24UDF	CCG36UDF
Sound Level	Sound Pressure Level	Cooling	dB(A)	50	53
		Heating	dB(A)	52	55
	Sound Power Level		dB(A)	70	73
External Dimension	Net Weight		kg(lbs)	71.0 (156.5)	71.0 (156.5)
	Shipping Weight		kg(lbs)	77.0 (169.8)	77.0 (169.8)
	Net Dimensions (WxHxD)		mm	940 x 998 x 330	940 x 998 x 330
			inch	37 x 39-5/16 x 13	37 x 39-5/16 x 13
	Shipping Dimensions (WxHxD)		mm	995 x 1,096 x 426	995 x 1,096 x 426
			inch	39-3/16 x 43-1/8 x 16-3/4	39-3/16 x 43-1/8 x 16-3/4
Casing	Material	Body	-	Steel	Steel
Operating Temp. Range	Cooling		°C	-20~50	-20~50
			°F	-4~122	-4~122
	Heating		°C	-25~24	-25~24
			°F	-13~75	-13~75

NOTE

- Specifications may be subject to change without prior notice.
- 1) Performances are based on the following test conditions.
 - Cooling : Indoor temperature : 80°F(26.7°C) DB, 67°F(19.4°C) WB, Outdoor temperature : 95°F(35°C) DB, 75°F(23.9°C) WB
 - Heating : Indoor temperature : 70°F(21.1°C) DB, 60°F(15.6°C) WB, Outdoor temperature : 47°F(8.3°C) DB, 43°F(6.1°C) WB
 - Equivalent refrigerant pipe length 7.5m (24.6ft), Level differences 0m (0ft)
- 2) Select wire size based on the value of MCA
- 3) Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A-weighted sound pressure level / Reference acoustic pressure 0 dB = 20uPa
- 4) Sound power level is an absolute value that a sound source generates.
 - dBA = A-weighted sound power level
 - Reference power : 1pW / Measured according to ISO 3741
- 5) These products contain R-454B which is fluorinated greenhouse gas.

1. Specification

A-Coil

Model Name	Indoor Unit (Maker)			HG48A60D210B2705R (ADP)	HG48A60D210B2705R (ADP)
	Outdoor Unit			AC048FCUDCG/AA	AC060FCUDCG/AA
US Code	Outdooru Unit			CCG48UDF	CCG60UDF
Mode			-	Heat Pump	Heat Pump
Power Supply			Φ,#,V,Hz	1,2,208-230,60	1,2,208-230,60
Performance	Capacity (Min/Std/Max)	Cooling	kW	4.20 / 13.10 / 16.10	4.30 / 15.50 / 17.20
			Btu/h	14,500 / 45,000 / 55,000	15,000 / 53,000 / 59,000
			US RT	1.19 / 3.72 / 4.58	1.22 / 4.41 / 4.89
		Heating	kW	3.30 / 14.00 / 17.50	3.50 / 16.40 / 19.00
			Btu/h	11,500 / 48,000 / 60,000	12,000 / 56,000 / 65,000
			US RT	0.94 / 3.98 / 4.98	1.00 / 4.66 / 5.40
Power	Power Input (Min/Std/Max)	Cooling	kW	1.30 / 4.73 / 5.80	1.40 / 5.69 / 6.50
		Heating		1.10 / 4.53 / 7.10	1.20 / 5.12 / 7.30
	Current Input (Min/Std/Max)	Cooling	A	7.00 / 21.60 / 26.00	8.00 / 26.00 / 29.00
		Heating		7.00 / 20.70 / 32.00	7.50 / 23.40 / 32.00
	Current	MCA	A	33.3	33.3
		MOP	A	40.0	40.0
Efficiency	EER2	Cooling	W/W	2.77	2.72
		Cooling (US)	(Btu/h)/W	9.5	9.3
	COP	Heating	W/W	3.1	3.2
	SEER2 (Cooling Energy		-	14.3	14.3
	HSPF2 (Heating Energy		-	8.0	8.0
	Pipe Connections	Liquid Pipe		Type	Brazing connection
Φ, mm(inch)				9.52 (3/8)	9.52 (3/8)
Gas Pipe		Type	Brazing connection	Brazing connection	
		Φ, mm(inch)	22.2 (7/8)	22.2 (7/8)	
Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	
Pipe Length (ODU-IDU)		Standard	m (ft)	7.5 (24.6)	7.5 (24.6)
		Max.	m (ft)	50 (164)	50 (164)
		Elevation	m (ft)	30 (98)	30 (98)
	Chargeless	m (ft)	7.5 (24.6)	7.5 (24.6)	
Wiring Connections	Communication (ODU-ACU KIT)	Min.	mm²	0.75	0.75
			inch²	0.0012	0.0012
			AWG	18	18
		Remark	-	F1, F2	F1, F2
Refrigerant	Type		-	R-454B	R-454B
	Factory Charging		kg	3.80	4.00
			lbs	8.38	8.82
	Control Method		-	EEV	EEV
Heat Exchanger	Type		-	F&T	F&T
	Material	Fin	-	Al	Al
		Tube	-	Cu	Cu
	Fin Treatment		-	Anti-Corrosion	Anti-Corrosion
Compressor	Model		-	UF5LF3450FJXSG	UF5LF3450FJXSG
	Type		-	Twin BLDC Rotary	Twin BLDC Rotary
	Output		kW	3.95	3.95
	Oil	Type	-	PVE	PVE
		Initial Charge	cc (fl oz)	1,500 (50.7)	1,500 (50.7)
Fan	Type		-	Propellar	Propellar
	Discharge direction		-	Front	Front
	Quantity		EA	2	2
	Air Flow Rate		m³/min	100	125
			ft³/min	3,532	4,415
Fan Motor	Type		-	BLDC	BLDC
	Output		W x n	125 x 2	125 x 2

1. Specification

A-Coil

Model Name	Indoor Unit (Maker)			HG48A60D210B2705R (ADP)	HG48A60D210B2705R (ADP)
	Outdoor Unit			AC048FCUDCG/AA	AC060FCUDCG/AA
US Code	Outdoor Unit			CCG48UDF	CCG60UDF
Sound Level	Sound Pressure Level	Cooling	dB(A)	55	56
		Heating	dB(A)	57	58
	Sound Power Level		dB(A)	75	75
External Dimension	Net Weight		kg(lbs)	95.0 (209.4)	101.0 (222.7)
	Shipping Weight		kg(lbs)	104.0 (229.3)	111.0 (244.7)
	Net Dimensions (WxHxD)		mm	940 x 1,210 x 330	940 x 1,420 x 330
			inch	37 x 47-5/8 x 13	37 x 55-7/8 x 13
	Shipping Dimensions (WxHxD)		mm	995 x 1,388 x 426	995 x 1,598 x 426
			inch	39-3/16 x 54-5/8 x 16-3/4	39-3/16 x 62-15/16 x 16-3/4
Casing	Material	Body	-	Steel	Steel
Operating Temp. Range	Cooling		°C	-20~50	-20~50
			°F	-4~122	-4~122
	Heating		°C	-25~24	-25~24
			°F	-13~75	-13~75

NOTE

- Specifications may be subject to change without prior notice.
- 1) Performances are based on the following test conditions.
 - Cooling : Indoor temperature : 80°F(26.7°C) DB, 67°F(19.4°C) WB, Outdoor temperature : 95°F(35°C) DB, 75°F(23.9°C) WB
 - Heating : Indoor temperature : 70°F(21.1°C) DB, 60°F(15.6°C) WB, Outdoor temperature : 47°F(8.3°C) DB, 43°F(6.1°C) WB
 - Equivalent refrigerant pipe length 7.5m (24.6ft), Level differences 0m (0ft)
- 2) Select wire size based on the value of MCA
- 3) Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A-weighted sound pressure level / Reference acoustic pressure 0 dB = 20uPa
- 4) Sound power level is an absolute value that a sound source generates.
 - dBA = A-weighted sound power level
 - Reference power : 1pW / Measured according to ISO 3741
- 5) These products contain R-454B which is fluorinated greenhouse gas.

1. Specification

A-Coil

Model Name	Indoor Unit (Maker)			HG35A36D175B2205R (ADP)	HG48A60D210B2705R (ADP)
	Outdooru Unit			AC024FCUPCG/AA	AC036FCUPCG/AA
US Code	Outdooru Unit			CCG24UPF	CCG36UPF
Mode			-	Heat Pump	Heat Pump
Power Supply			Φ,#,V,Hz	1,2,208-230,60	1,2,208-230,60
Performance	Capacity (Min/Std/Max)	Cooling	kW	3.50 / 7.00 / 9.30	4.30 / 9.90 / 12.30
			Btu/h	12,000 / 24,000 / 32,000	15,000 / 34,000 / 42,000
			US RT	1.00 / 1.99 / 2.64	1.22 / 2.82 / 3.50
		Heating	kW	2.30 / 7.30 / 10.80	3.20 / 10.20 / 16.10
			Btu/h	8,000 / 25,000 / 37,000	11,000 / 35,000 / 55,000
			US RT	0.65 / 2.08 / 3.07	0.91 / 2.90 / 4.58
Power	Power Input (Min/Std/Max)	Cooling	kW	0.80 / 2.05 / 3.00	1.00 / 2.95 / 4.20
		Heating		0.60 / 2.15 / 5.10	0.70 / 3.01 / 7.10
	Current Input (Min/Std/Max)	Cooling	A	4.00 / 9.30 / 14.00	5.50 / 13.50 / 19.00
		Heating		4.00 / 9.80 / 24.00	4.50 / 13.70 / 32.00
	Current	MCA	A	25.3	33.3
		MOP	A	30.0	40.0
Efficiency	EER2	Cooling	W/W	3.41	3.36
		Cooling (US)	(Btu/h)/W	11.7	11.5
	COP	Heating	W/W	3.4	3.4
	SEER2 (Cooling Energy		-	16.0	16.0
	HSPF2 (Heating Energy		-	8.5	8.5
	Pipe Connections	Liquid Pipe		Type	Brazing connection
Φ, mm(inch)				9.52 (3/8)	9.52 (3/8)
Gas Pipe		Type	Brazing connection	Brazing connection	
		Φ, mm(inch)	22.2 (7/8)	22.2 (7/8)	
Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	
Pipe Length (ODU-IDU)		Standard	m (ft)	7.5 (24.6)	7.5 (24.6)
		Max.	m (ft)	50 (164)	50 (164)
		Elevation	m (ft)	30 (98)	30 (98)
		Chargeless	m (ft)	7.5 (24.6)	7.5 (24.6)
Wiring Connections	Communication (ODU-ACU KIT)	Min.	mm²	0.75	0.75
			inch²	0.0012	0.0012
			AWG	18	18
		Remark	-	F1, F2	F1, F2
Refrigerant	Type		-	R454B	R454B
	Factory Charging		kg	3.20	4.50
			lbs	7.05	9.92
	Control Method		-	EEV	EEV
Heat Exchanger	Type		-	F&T	F&T
	Material	Fin	-	Al	Al
		Tube	-	Cu	Cu
	Fin Treatment		-	Anti-Corrosion	Anti-Corrosion
Compressor	Model		-	UF8LF3300FJUSG	UF5LF3450FJXSG
	Type		-	Twin BLDC Rotary	Twin BLDC Rotary
	Output		kW	2.73	3.95
	Oil	Type	-	PVE	PVE
		Initial Charge	cc (fl oz)	1,400 (47.3)	1,500 (50.7)
Fan	Type		-	Propellar	Propellar
	Discharge direction		-	Front	Front
	Quantity		EA	2	2
	Air Flow Rate		m³/min	100.00	125
			ft³/min	3,532	4,415
Fan Motor	Type		-	BLDC	BLDC
	Output		W x n	125 x 2	125 x 2

1. Specification

A-Coil

Model Name	Indoor Unit (Maker)			HG35A36D175B2205R (ADP)	HG48A60D210B2705R (ADP)
	Outdoor Unit			AC024FCUPCG/AA	AC036FCUPCG/AA
US Code	Outdoor Unit			CCG24UPF	CCG36UPF
Sound Level	Sound Pressure Level	Cooling	dB(A)	50	55
		Heating	dB(A)	52	57
	Sound Power Level		dB(A)	70	75
External Dimension	Net Weight		kg(lbs)	87.0 (191.8)	104.0 (229.3)
	Shipping Weight		kg(lbs)	96.0 (211.6)	114.0 (251.3)
	Net Dimensions (WxHxD)		mm	940 x 1,210 x 330	940 x 1,420 x 330
			inch	37.01 x 47.64 x 12.99	37.01 x 55.91 x 12.99
	Shipping Dimensions (WxHxD)		mm	995 x 1,388 x 426	995 x 1,598 x 426
			inch	39.17 x 54.65 x 16.77	39.17 x 62.91 x 16.77
Casing	Material	Body	-	Steel	Steel
Operating Temp. Range	Cooling		°C	-20~52	-20~52
			°F	-4~126	-4~126
	Heating		°C	-25~24	-25~24
			°F	-13~75	-13~75

NOTE

- Specifications may be subject to change without prior notice.
- 1) Performances are based on the following test conditions.
 - Cooling : Indoor temperature : 80°F(26.7°C) DB, 67°F(19.4°C) WB, Outdoor temperature : 95°F(35°C) DB, 75°F(23.9°C) WB
 - Heating : Indoor temperature : 70°F(21.1°C) DB, 60°F(15.6°C) WB, Outdoor temperature : 47°F(8.3°C) DB, 43°F(6.1°C) WB
 - Equivalent refrigerant pipe length 7.5m (24.6ft), Level differences 0m (0ft)
- 2) Select wire size based on the value of MCA
- 3) Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A-weighted sound pressure level / Reference acoustic pressure 0 dB = 20uPa
- 4) Sound power level is an absolute value that a sound source generates.
 - dBA = A-weighted sound power level
 - Reference power : 1pW / Measured according to ISO 3741
- 5) These products contain R-454B which is fluorinated greenhouse gas.

1. Specification

A-Coil

Model Name	Indoor Unit (Maker)			HG50A60D210B2705R (ADP)	HG50A60D210B2705R (ADP)
	Outdooru Unit			AC048FCUPCG/AA	AC060FCUPCG/AA
US Code	Outdooru Unit			CCG48UPF	CCG60UPF
Mode			-	Heat Pump	Heat Pump
Power Supply			Φ,#,V,Hz	1,2,208-230,60	1,2,208-230,60
Performance	Capacity (Min/Std/Max)	Cooling	kW	4.50 / 13.10 / 16.70	4.60 / 15.50 / 18.40
			Btu/h	15,500 / 45,000 / 57,000	16,000 / 53,000 / 63,000
			US RT	1.28 / 3.72 / 4.75	1.31 / 4.41 / 5.23
		Heating	kW	3.50 / 14.00 / 18.70	3.80 / 16.10 / 21.10
			Btu/h	12,000 / 48,000 / 64,000	13,000 / 55,000 / 72,000
			US RT	1.00 / 3.98 / 5.32	1.08 / 4.58 / 6.00
Power	Power Input (Min/Std/Max)	Cooling	kW	1.20 / 4.12 / 5.70	1.30 / 5.46 / 6.40
		Heating		0.90 / 4.13 / 7.10	1.10 / 5.37 / 7.10
	Current Input (Min/Std/Max)	Cooling	A	6.50 / 18.80 / 25.50	7.50 / 24.90 / 28.50
		Heating		6.00 / 18.90 / 32.00	7.00 / 24.50 / 32.00
	Current	MCA	A	33.3	33.3
		MOP	A	40.0	40.0
Efficiency	EER2	Cooling	W/W	3.18	2.84
		Cooling (US)	(Btu/h)/W	10.9	9.7
	COP	Heating	W/W	3.4	3.0
	SEER2 (Cooling Energy		-	15.3	14.5
	HSPF2 (Heating Energy		-	8.2	8.2
	Pipe Connections	Liquid Pipe		Type	Brazing connection
Φ, mm(inch)				9.52 (3/8)	9.52 (3/8)
Gas Pipe		Type	Brazing connection	Brazing connection	
		Φ, mm(inch)	22.2 (7/8)	22.2 (7/8)	
Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	
Pipe Length (ODU-IDU)		Standard	m (ft)	7.5 (24.6)	7.5 (24.6)
		Max.	m (ft)	50 (164)	50 (164)
		Elevation	m (ft)	30 (98)	30 (98)
		Chargeless	m (ft)	7.5 (24.6)	7.5 (24.6)
Wiring Connections	Communication (ODU-ACU KIT)	Min.	mm²	0.75	0.75
			inch²	0.0012	0.0012
			AWG	18	18
		Remark	-	F1, F2	F1, F2
Refrigerant	Type		-	R454B	R454B
	Factory Charging		kg	5.50	5.50
			lbs	12.13	12.13
	Control Method		-	EEV	EEV
Heat Exchanger	Type		-	F&T	F&T
	Material	Fin	-	Al	Al
		Tube	-	Cu	Cu
	Fin Treatment		-	Anti-Corrosion	Anti-Corrosion
Compressor	Model		-	UF5LF3450FJXSG	UF5LF3450FJXSG
	Type		-	Twin BLDC Rotary	Twin BLDC Rotary
	Output		kW	3.95	3.95
	Oil	Type	-	PVE	PVE
		Initial Charge	cc (fl oz)	1,500 (50.7)	1,500 (50.7)
Fan	Type		-	Propellar	Propellar
	Discharge direction		-	Front	Front
	Quantity		EA	2	2
	Air Flow Rate		m³/min	125	125
			ft³/min	4,415	4,415
Fan Motor	Type		-	BLDC	BLDC
	Output		W x n	125 x 2	125 x 2

1. Specification

A-Coil

Model Name	Indoor Unit (Maker)			HG50A60D210B2705R (ADP)	HG50A60D210B2705R (ADP)
	Outdoor Unit			AC048FCUPCG/AA	AC060FCUPCG/AA
US Code	Outdoor Unit			CCG48UPF	CCG60UPF
Sound Level	Sound Pressure Level	Cooling	dB(A)	55	56
		Heating	dB(A)	57	58
	Sound Power Level		dB(A)	75	75
External Dimension	Net Weight		kg(lbs)	105.0 (231.5)	105.0 (231.5)
	Shipping Weight		kg(lbs)	115.0 (253.5)	115.0 (253.5)
	Net Dimensions (WxHxD)		mm	940 x 1,420 x 330	940 x 1,420 x 330
			inch	37.01 x 55.91 x 12.99	37.01 x 55.91 x 12.99
	Shipping Dimensions (WxHxD)		mm	995 x 1,598 x 426	995 x 1,598 x 426
			inch	39.17 x 62.91 x 16.77	39.17 x 62.91 x 16.77
Casing	Material	Body	-	Steel	Steel
Operating Temp. Range	Cooling		°C	-20~50	-20~50
			°F	-4~122	-4~122
	Heating		°C	-25~24	-25~24
			°F	-13~75	-13~75

NOTE

- Specifications may be subject to change without prior notice.
- 1) Performances are based on the following test conditions.
 - Cooling : Indoor temperature : 80°F(26.7°C) DB, 67°F(19.4°C) WB, Outdoor temperature : 95°F(35°C) DB, 75°F(23.9°C) WB
 - Heating : Indoor temperature : 70°F(21.1°C) DB, 60°F(15.6°C) WB, Outdoor temperature : 47°F(8.3°C) DB, 43°F(6.1°C) WB
 - Equivalent refrigerant pipe length 7.5m (24.6ft), Level differences 0m (0ft)
- 2) Select wire size based on the value of MCA
- 3) Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A-weighted sound pressure level / Reference acoustic pressure 0 dB = 20uPa
- 4) Sound power level is an absolute value that a sound source generates.
 - dBA = A-weighted sound power level
 - Reference power : 1pW / Measured according to ISO 3741
- 5) These products contain R-454B which is fluorinated greenhouse gas.

1. Specification

A-Coil

Model Name	Indoor Unit (Maker)		7EC24BX-71 (Allied)	7EC36BX-71 (Allied)
	Outdoor Unit		AC024FCUDCG/AA	AC036FCUDCG/AA
US Code	Outdoor Unit		CCG24UDF	CCG36UDF
Mode			Heat Pump	Heat Pump
Power Supply	Φ, #, V, Hz		1,2,208-230,60	1,2,208-230,60
Performance	Capacity (Min/Std/Max)	Cooling	kW	3.20 / 6.70 / 8.70
			Btu/h	11,000 / 23,000 / 30,000
			US RT	0.91 / 1.91 / 2.47
		Heating	kW	2.00 / 7.30 / 10.20
			Btu/h	7,000 / 25,000 / 35,000
			US RT	0.57 / 2.08 / 2.90
Power	Power Input (Min/Std/Max)	Cooling	kW	0.95 / 2.19 / 3.20
		Heating		0.70 / 2.44 / 5.35
	Current Input (Min/Std/Max)	Cooling	A	5.00 / 10.00 / 15.00
		Heating		4.50 / 11.10 / 24.00
	Current	MCA	A	24.1
		MOP	A	30.0
Efficiency	EER2	Cooling	W/W	3.06
		Cooling (US)	(Btu/h)/W	10.5
	COP	Heating	W/W	3.0
		SEER2 (Cooling Energy)	-	14.3
	HSPF2 (Heating Energy)	-	-	7.5
		-	-	8.0
Pipe Connections	Liquid Pipe		Type	Brazing connection
			Φ, mm(inch)	9.52 (3/8)
	Gas Pipe		Type	Brazing connection
			Φ, mm(inch)	19.05 (3/4)
	Heat Insulation		-	Both liquid and gas pipes
	Pipe Length (ODU-IDU)	Standard	m (ft)	7.5 (24.6)
		Max.	m (ft)	50 (164)
		Elevation	m (ft)	30 (98)
		Chargeless	m (ft)	7.5 (24.6)
Wiring Connections	Communication (ODU-ACU KIT)	Min.	mm ²	0.75
			inch ²	0.0012
			AWG	18
		Remark	-	F1, F2
Refrigerant	Type		-	R-454B
	Factory Charging		kg	2.90
			lbs	6.39
	Control Method		-	EEV
Heat Exchanger	Type		-	F&T
	Material	Fin	-	Al
		Tube	-	Cu
	Fin Treatment		-	Anti-Corrosion
Compressor	Model		-	UF8LF3300FJUSG
	Type		-	Twin BLDC Rotary
	Output		kW	2.73
	Oil	Type	-	PVE
		Initial Charge	cc (fl oz)	1,400 (47.3)
Fan	Type		-	Propellar
	Discharge direction		-	Front
	Quantity		EA	1
	Air Flow Rate		m ³ /min	76
			ft ³ /min	2,684
Fan Motor	Type		-	BLDC
	Output		W x n	125 x 1

1. Specification

A-Coil

Model Name	Indoor Unit (Maker)			7EC24BX-71 (Allied)	7EC36BX-71 (Allied)
	Outdoor Unit			AC024FCUDCG/AA	AC036FCUDCG/AA
US Code	Outdoor Unit			CCG24UDF	CCG36UDF
Sound Level	Sound Pressure Level	Cooling	dB(A)	50	53
		Heating	dB(A)	52	55
	Sound Power Level		dB(A)	70	73
External Dimension	Net Weight		kg(lbs)	71.0 (156.5)	71.0 (156.5)
	Shipping Weight		kg(lbs)	77.0 (169.8)	77.0 (169.8)
	Net Dimensions (WxHxD)		mm	940 x 998 x 330	940 x 998 x 330
			inch	37 x 39-5/16 x 13	37 x 39-5/16 x 13
	Shipping Dimensions (WxHxD)		mm	995 x 1,096 x 426	995 x 1,096 x 426
			inch	39-3/16 x 43-1/8 x 16-3/4	39-3/16 x 43-1/8 x 16-3/4
Casing	Material	Body	-	Steel	Steel
Operating Temp. Range	Cooling		°C	-20~50	-20~50
			°F	-4~122	-4~122
	Heating		°C	-25~24	-25~24
			°F	-13~75	-13~75

NOTE

- Specifications may be subject to change without prior notice.
- 1) Performances are based on the following test conditions.
 - Cooling : Indoor temperature : 80°F(26.7°C) DB, 67°F(19.4°C) WB, Outdoor temperature : 95°F(35°C) DB, 75°F(23.9°C) WB
 - Heating : Indoor temperature : 70°F(21.1°C) DB, 60°F(15.6°C) WB, Outdoor temperature : 47°F(8.3°C) DB, 43°F(6.1°C) WB
 - Equivalent refrigerant pipe length 7.5m (24.6ft), Level differences 0m (0ft)
- 2) Select wire size based on the value of MCA
- 3) Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A-weighted sound pressure level / Reference acoustic pressure 0 dB = 20uPa
- 4) Sound power level is an absolute value that a sound source generates.
 - dBA = A-weighted sound power level
 - Reference power : 1pW / Measured according to ISO 3741
- 5) These products contain R-454B which is fluorinated greenhouse gas.

1. Specification

A-Coil

Model Name	Indoor Unit (Maker)			7EC48BX-71 (Allied)	7EC48BX-71 (Allied)
	Outdoor Unit			AC048FCUDCG/AA	AC060FCUDCG/AA
US Code	Outdoor Unit			CCG48UDF	CCG60UDF
Mode			-	Heat Pump	Heat Pump
Power Supply			Φ, #, V, Hz	1,2,208-230,60	1,2,208-230,60
Performance	Capacity (Min/Std/Max)	Cooling	kW	4.20 / 13.10 / 16.10	4.30 / 15.50 / 17.20
			Btu/h	14,500 / 45,000 / 55,000	15,000 / 53,000 / 59,000
			US RT	1.19 / 3.72 / 4.58	1.22 / 4.41 / 4.89
		Heating	kW	3.30 / 14.00 / 17.50	3.50 / 16.10 / 19.00
			Btu/h	11,500 / 48,000 / 60,000	12,000 / 55,000 / 65,000
			US RT	0.94 / 3.98 / 4.98	1.00 / 4.58 / 5.40
Power	Power Input (Min/Std/Max)	Cooling	kW	1.30 / 4.73 / 5.80	1.40 / 5.69 / 6.50
		Heating		1.10 / 4.68 / 7.10	1.20 / 5.55 / 7.30
	Current Input (Min/Std/Max)	Cooling	A	7.00 / 21.60 / 26.00	8.00 / 26.00 / 29.00
		Heating		7.00 / 21.40 / 32.00	7.50 / 25.40 / 32.00
	Current	MCA	A	33.3	33.3
		MOP	A	40.0	40.0
Efficiency	EER2	Cooling	W/W	2.77	2.72
		Cooling (US)	(Btu/h)/W	9.5	9.3
	COP	Heating	W/W	3.0	2.9
	SEER2 (Cooling Energy		-	14.3	14.3
	HSPF2 (Heating Energy		-	8.0	7.5
Pipe Connections	Liquid Pipe		Type	Brazing connection	Brazing connection
			Φ, mm(inch)	9.52 (3/8)	9.52 (3/8)
	Gas Pipe		Type	Brazing connection	Brazing connection
			Φ, mm(inch)	22.2 (7/8)	22.2 (7/8)
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes
	Pipe Length (ODU-IDU)	Standard	m (ft)	7.5 (24.6)	7.5 (24.6)
		Max.	m (ft)	50 (164)	50 (164)
		Elevation	m (ft)	30 (98)	30 (98)
		Chargeless	m (ft)	7.5 (24.6)	7.5 (24.6)
Wiring Connections	Communication (ODU-ACU KIT)	Min.	mm ²	0.75	0.75
			inch ²	0.0012	0.0012
			AWG	18	18
		Remark	-	F1, F2	F1, F2
Refrigerant	Type		-	R-454B	R-454B
	Factory Charging		kg	3.80	4.00
			lbs	8.38	8.82
	Control Method		-	EEV	EEV
Heat Exchanger	Type		-	F&T	F&T
	Material	Fin	-	Al	Al
		Tube	-	Cu	Cu
	Fin Treatment		-	Anti-Corrosion	Anti-Corrosion
Compressor	Model		-	UF5LF3450FJXSG	UF5LF3450FJXSG
	Type		-	Twin BLDC Rotary	Twin BLDC Rotary
	Output		kW	3.95	3.95
	Oil	Type	-	PVE	PVE
		Initial Charge	cc (fl oz)	1,500 (50.7)	1,500 (50.7)
Fan	Type		-	Propellar	Propellar
	Discharge direction		-	Front	Front
	Quantity		EA	2	2
	Air Flow Rate		m ³ /min	100	125
			ft ³ /min	3,532	4,415
Fan Motor	Type		-	BLDC	BLDC
	Output		W x n	125 x 2	125 x 2

1. Specification

A-Coil

Model Name	Indoor Unit (Maker)			7EC48BX-71 (Allied)	7EC48BX-71 (Allied)
	Outdoor Unit			AC048FCUDCG/AA	AC060FCUDCG/AA
US Code	Outdoor Unit			CCG48UDF	CCG60UDF
Sound Level	Sound Pressure Level	Cooling	dB(A)	55	56
		Heating	dB(A)	57	58
	Sound Power Level		dB(A)	75	75
External Dimension	Net Weight		kg(lbs)	95.0 (209.4)	101.0 (222.7)
	Shipping Weight		kg(lbs)	104.0 (229.3)	111.0 (244.7)
	Net Dimensions (WxHxD)		mm	940 x 1,210 x 330	940 x 1,420 x 330
			inch	37 x 47-5/8 x 13	37 x 55-7/8 x 13
	Shipping Dimensions (WxHxD)		mm	995 x 1,388 x 426	995 x 1,598 x 426
			inch	39-3/16 x 54-5/8 x 16-3/4	39-3/16 x 62-15/16 x 16-3/4
Casing	Material	Body	-	Steel	Steel
Operating Temp. Range	Cooling		°C	-20~50	-20~50
			°F	-4~122	-4~122
	Heating		°C	-25~24	-25~24
			°F	-13~75	-13~75

NOTE

- Specifications may be subject to change without prior notice.
- 1) Performances are based on the following test conditions.
 - Cooling : Indoor temperature : 80°F(26.7°C) DB, 67°F(19.4°C) WB, Outdoor temperature : 95°F(35°C) DB, 75°F(23.9°C) WB
 - Heating : Indoor temperature : 70°F(21.1°C) DB, 60°F(15.6°C) WB, Outdoor temperature : 47°F(8.3°C) DB, 43°F(6.1°C) WB
 - Equivalent refrigerant pipe length 7.5m (24.6ft), Level differences 0m (0ft)
- 2) Select wire size based on the value of MCA
- 3) Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A-weighted sound pressure level / Reference acoustic pressure 0 dB = 20uPa
- 4) Sound power level is an absolute value that a sound source generates.
 - dBA = A-weighted sound power level
 - Reference power : 1pW / Measured according to ISO 3741
- 5) These products contain R-454B which is fluorinated greenhouse gas.

1. Specification

A-Coil

Model Name	Indoor Unit (Maker)			7E[C,U]24AX-***TDR (Allied)	7E[C,U]48BX-***TDR (Allied)
	Outdooru Unit			AC024FCUPCG/AA	AC036FCUPCG/AA
US Code	Outdooru Unit			CCG24UPF	CCG36UPF
Mode			-	Heat Pump	Heat Pump
Power Supply			Φ,#,V,Hz	1,2,208-230,60	1,2,208-230,60
Performance	Capacity (Min/Std/Max)	Cooling	kW	3.50 / 6.70 / 9.30	4.30 / 9.90 / 12.30
			Btu/h	12,000 / 23,000 / 32,000	15,000 / 34,000 / 42,000
			US RT	1.00 / 1.91 / 2.64	1.22 / 2.82 / 3.50
		Heating	kW	2.30 / 7.30 / 10.80	3.20 / 10.20 / 16.10
			Btu/h	8,000 / 25,000 / 37,000	11,000 / 35,000 / 55,000
			US RT	0.65 / 2.08 / 3.07	0.91 / 2.90 / 4.58
Power	Power Input (Min/Std/Max)	Cooling	kW	0.80 / 1.96 / 3.00	1.00 / 3.03 / 4.20
		Heating		0.60 / 2.36 / 5.10	0.70 / 3.20 / 7.10
	Current Input (Min/Std/Max)	Cooling	A	4.00 / 8.90 / 14.00	5.50 / 13.80 / 19.00
		Heating		4.00 / 10.80 / 24.00	4.50 / 14.60 / 32.00
	Current	MCA	A	25.3	33.3
		MOP	A	30.0	40.0
Efficiency	EER2	Cooling	W/W	3.42	3.27
		Cooling (US)	(Btu/h)/W	11.7	11.2
	COP	Heating	W/W	3.1	3.2
	SEER2 (Cooling Energy		-	15.2	15.5
	HSPF2 (Heating Energy		-	8.1	8.5
	Pipe Connections	Liquid Pipe		Type	Brazing connection
Φ, mm(inch)				9.52 (3/8)	9.52 (3/8)
Gas Pipe		Type	Brazing connection	Brazing connection	
		Φ, mm(inch)	22.2 (7/8)	22.2 (7/8)	
Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	
Pipe Length (ODU-IDU)		Standard	m (ft)	7.5 (24.6)	7.5 (24.6)
		Max.	m (ft)	50 (164)	50 (164)
		Elevation	m (ft)	30 (98)	30 (98)
	Chargeless	m (ft)	7.5 (24.6)	7.5 (24.6)	
Wiring Connections	Communication (ODU-ACU KIT)	Min.	mm²	0.75	0.75
			inch²	0.0012	0.0012
			AWG	18	18
		Remark	-	F1, F2	F1, F2
Refrigerant	Type		-	R454B	R454B
	Factory Charging		kg	3.20	4.50
			lbs	7.05	9.92
	Control Method		-	EEV	EEV
Heat Exchanger	Type		-	F&T	F&T
	Material	Fin	-	Al	Al
		Tube	-	Cu	Cu
	Fin Treatment		-	Anti-Corrosion	Anti-Corrosion
Compressor	Model		-	UF8LF3300FJUSG	UF5LF3450FJXSG
	Type		-	Twin BLDC Rotary	Twin BLDC Rotary
	Output		kW	2.73	3.95
	Oil	Type	-	PVE	PVE
		Initial Charge	cc (fl oz)	1,400 (47.3)	1,500 (50.7)
Fan	Type		-	Propellar	Propellar
	Discharge direction		-	Front	Front
	Quantity		EA	2	2
	Air Flow Rate		m³/min	100	125
			ft³/min	3,532	4,415
Fan Motor	Type		-	BLDC	BLDC
	Output		W x n	125 x 2	125 x 2

1. Specification

A-Coil

Model Name	Indoor Unit (Maker)			7E[C,U]24AX-***+TDR (Allied)	7E[C,U]48BX-***+TDR (Allied)
	Outdoor Unit			AC024FCUPCG/AA	AC036FCUPCG/AA
US Code	Outdoor Unit			CCG24UPF	CCG36UPF
Sound Level	Sound Pressure Level	Cooling	dB(A)	50	55
		Heating	dB(A)	52	57
	Sound Power Level		dB(A)	70	75
External Dimension	Net Weight		kg(lbs)	87.0 (191.8)	104.0 (229.3)
	Shipping Weight		kg(lbs)	96.0 (211.6)	114.0 (251.3)
	Net Dimensions (WxHxD)		mm	940 x 1,210 x 330	940 x 1,420 x 330
			inch	37.01 x 47.64 x 12.99	37.01 x 55.91 x 12.99
	Shipping Dimensions (WxHxD)		mm	995 x 1,388 x 426	995 x 1,598 x 426
			inch	39.17 x 54.65 x 16.77	39.17 x 62.91 x 16.77
Casing	Material	Body	-	Steel	Steel
Operating Temp. Range	Cooling		°C	-20~52	-20~52
			°F	-4~126	-4~126
	Heating		°C	-25~24	-25~24
			°F	-13~75	-13~75

NOTE

- Specifications may be subject to change without prior notice.
- 1) Performances are based on the following test conditions.
 - Cooling : Indoor temperature : 80°F(26.7°C) DB, 67°F(19.4°C) WB, Outdoor temperature : 95°F(35°C) DB, 75°F(23.9°C) WB
 - Heating : Indoor temperature : 70°F(21.1°C) DB, 60°F(15.6°C) WB, Outdoor temperature : 47°F(8.3°C) DB, 43°F(6.1°C) WB
 - Equivalent refrigerant pipe length 7.5m (24.6ft), Level differences 0m (0ft)
- 2) Select wire size based on the value of MCA
- 3) Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A-weighted sound pressure level / Reference acoustic pressure 0 dB = 20uPa
- 4) Sound power level is an absolute value that a sound source generates.
 - dBA = A-weighted sound power level
 - Reference power : 1pW / Measured according to ISO 3741
- 5) These products contain R-454B which is fluorinated greenhouse gas.

1. Specification

A-Coil

Model Name	Indoor Unit (Maker)			7E[C,U]49CX-***+TDR (Allied)	7E[C,U]60CX-***+TDR (Allied)
	Outdoor Unit			AC048FCUPCG/AA	AC060FCUPCG/AA
US Code	Outdoor Unit			CCG48UPF	CCG60UPF
Mode			-	Heat Pump	Heat Pump
Power Supply			Φ, #, V, Hz	1,2,208-230,60	1,2,208-230,60
Performance	Capacity (Min/Std/Max)	Cooling	kW	4.50 / 13.10 / 16.70	4.60 / 15.50 / 18.40
			Btu/h	15,500 / 45,000 / 57,000	16,000 / 53,000 / 63,000
			US RT	1.28 / 3.72 / 4.75	1.31 / 4.41 / 5.23
		Heating	kW	3.50 / 14.00 / 18.70	3.80 / 16.10 / 21.10
			Btu/h	12,000 / 48,000 / 64,000	13,000 / 55,000 / 72,000
			US RT	1.00 / 3.98 / 5.32	1.08 / 4.58 / 6.00
Power	Power Input (Min/Std/Max)	Cooling	kW	1.20 / 4.50 / 5.70	1.30 / 5.46 / 6.40
		Heating		0.90 / 4.68 / 7.10	1.10 / 6.19 / 7.10
	Current Input (Min/Std/Max)	Cooling	A	6.50 / 20.50 / 25.50	7.50 / 24.90 / 28.50
		Heating		6.00 / 21.40 / 32.00	7.00 / 28.30 / 32.00
	Current	MCA	A	33.3	33.3
		MOP	A	40.0	40.0
Efficiency	EER2	Cooling	W/W	2.91	2.84
		Cooling (US)	(Btu/h)/W	10.0	9.7
	COP	Heating	W/W	3.0	2.6
	SEER2 (Cooling Energy)		-	14.8	14.5
	HSPF2 (Heating Energy)		-	8.0	7.7
Pipe Connections	Liquid Pipe		Type	Brazing connection	Brazing connection
			Φ, mm(inch)	9.52 (3/8)	9.52 (3/8)
	Gas Pipe		Type	Brazing connection	Brazing connection
			Φ, mm(inch)	22.2 (7/8)	22.2 (7/8)
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes
	Pipe Length (ODU-IDU)	Standard	m (ft)	7.5 (24.6)	7.5 (24.6)
		Max.	m (ft)	50 (164)	50 (164)
		Elevation	m (ft)	30 (98)	30 (98)
		Chargeless	m (ft)	7.5 (24.6)	7.5 (24.6)
Wiring Connections	Communication (ODU-ACU KIT)	Min.	mm ²	0.75	0.75
			inch ²	0.0012	0.0012
			AWG	18	18
		Remark	-	F1, F2	F1, F2
Refrigerant	Type		-	R454B	R454B
	Factory Charging		kg	5.50	5.50
			lbs	12.13	12.13
	Control Method		-	EEV	EEV
Heat Exchanger	Type		-	F&T	F&T
	Material	Fin	-	Al	Al
		Tube	-	Cu	Cu
	Fin Treatment		-	Anti-Corrosion	Anti-Corrosion
Compressor	Model		-	UF5LF3450FJXSG	UF5LF3450FJXSG
	Type		-	Twin BLDC Rotary	Twin BLDC Rotary
	Output		kW	3.95	3.95
	Oil	Type	-	PVE	PVE
		Initial Charge	cc (fl oz)	1,500 (50.7)	1,500 (50.7)
Fan	Type		-	Propellar	Propellar
	Discharge direction		-	Front	Front
	Quantity		EA	2	2
	Air Flow Rate		m ³ /min	125	125
			ft ³ /min	4,415	4,415
Fan Motor	Type		-	BLDC	BLDC
	Output		W x n	125 x 2	125 x 2

1. Specification

A-Coil

Model Name	Indoor Unit (Maker)			7E[C,U]49CX-***+TDR (Allied)	7E[C,U]60CX-***+TDR (Allied)
	Outdoor Unit			AC048FCUPCG/AA	AC060FCUPCG/AA
US Code	Outdoor Unit			CCG48UPF	CCG60UPF
Sound Level	Sound Pressure Level	Cooling	dB(A)	55	56
		Heating	dB(A)	57	58
	Sound Power Level		dB(A)	75	75
External Dimension	Net Weight		kg(lbs)	105.0 (231.5)	105.0 (231.5)
	Shipping Weight		kg(lbs)	115.0 (253.5)	115.0 (253.5)
	Net Dimensions (WxHxD)		mm	940 x 1,420 x 330	940 x 1,420 x 330
			inch	37.01 x 55.91 x 12.99	37.01 x 55.91 x 12.99
	Shipping Dimensions (WxHxD)		mm	995 x 1,598 x 426	995 x 1,598 x 426
			inch	39.17 x 62.91 x 16.77	39.17 x 62.91 x 16.77
Casing	Material	Body	-	Steel	Steel
Operating Temp. Range	Cooling		°C	-20~50	-20~50
			°F	-4~122	-4~122
	Heating		°C	-25~24	-25~24
			°F	-13~75	-13~75

NOTE

- Specifications may be subject to change without prior notice.
- 1) Performances are based on the following test conditions.
 - Cooling : Indoor temperature : 80°F(26.7°C) DB, 67°F(19.4°C) WB, Outdoor temperature : 95°F(35°C) DB, 75°F(23.9°C) WB
 - Heating : Indoor temperature : 70°F(21.1°C) DB, 60°F(15.6°C) WB, Outdoor temperature : 47°F(8.3°C) DB, 43°F(6.1°C) WB
 - Equivalent refrigerant pipe length 7.5m (24.6ft), Level differences 0m (0ft)
- 2) Select wire size based on the value of MCA
- 3) Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A-weighted sound pressure level / Reference acoustic pressure 0 dB = 20uPa
- 4) Sound power level is an absolute value that a sound source generates.
 - dBA = A-weighted sound power level
 - Reference power : 1pW / Measured according to ISO 3741
- 5) These products contain R-454B which is fluorinated greenhouse gas.

1. Specification

A-Coil

Model Name	Indoor Unit (Maker)			7EH36AX-71 (Allied)	7EH48CX-71 (Allied)
	Outdoor Unit			AC024FCUDCG/AA	AC036FCUDCG/AA
US Code	Outdoor Unit			CCG24UDF	CCG36UDF
Mode	-			Heat Pump	Heat Pump
Power Supply	Φ , #, V, Hz			1,2,208-230,60	1,2,208-230,60
Performance	Capacity (Min/Std/Max)	Cooling	kW	3.20 / 6.70 / 8.70	3.80 / 9.60 / 11.70
			Btu/h	11,000 / 23,000 / 30,000	13,000 / 33,000 / 40,000
			US RT	0.91 / 1.91 / 2.47	1.08 / 2.73 / 3.33
		Heating	kW	2.00 / 7.30 / 10.20	2.90 / 9.90 / 10.80
			Btu/h	7,000 / 25,000 / 35,000	10,000 / 34,000 / 37,000
			US RT	0.57 / 2.08 / 2.90	0.82 / 2.82 / 3.07
Power	Power Input (Min/Std/Max)	Cooling	kW	0.95 / 2.19 / 3.20	1.10 / 3.47 / 4.50
		Heating		0.70 / 2.44 / 5.35	0.80 / 3.32 / 5.40
	Current Input (Min/Std/Max)	Cooling	A	5.00 / 10.00 / 15.00	6.00 / 15.80 / 20.00
		Heating		4.50 / 11.10 / 24.00	5.00 / 15.10 / 24.00
	Current	MCA	A	24.1	24.1
		MOP	A	30.0	30.0
Efficiency	EER2	Cooling	W/W	3.06	2.77
		Cooling (US)	(Btu/h)/W	10.5	9.5
	COP	Heating	W/W	3.0	3.0
	SEER2 (Cooling Energy	-	-	14.3	14.3
	HSPF2 (Heating Energy	-	-	7.5	8.0
Pipe Connections	Liquid Pipe		Type	Brazing connection	Brazing connection
			Φ , mm(inch)	9.52 (3/8)	9.52 (3/8)
	Gas Pipe		Type	Brazing connection	Brazing connection
			Φ , mm(inch)	19.05 (3/4)	19.05 (3/4)
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes
	Pipe Length (ODU-IDU)	Standard	m (ft)	7.5 (24.6)	7.5 (24.6)
		Max.	m (ft)	50 (164)	50 (164)
		Elevation	m (ft)	30 (98)	30 (98)
		Chargeless	m (ft)	7.5 (24.6)	7.5 (24.6)
Wiring Connections	Communication (ODU-ACU KIT)	Min.	mm ²	0.75	0.75
			inch ²	0.0012	0.0012
			AWG	18	18
		Remark	-	F1, F2	F1, F2
Refrigerant	Type		-	R-454B	R-454B
	Factory Charging		kg	2.90	2.90
			lbs	6.39	6.39
	Control Method		-	EEV	EEV
Heat Exchanger	Type		-	F&T	F&T
	Material	Fin	-	Al	Al
		Tube	-	Cu	Cu
	Fin Treatment		-	Anti-Corrosion	Anti-Corrosion
Compressor	Model		-	UF8LF3300FJUSG	UF8LF3300FJUSG
	Type		-	Twin BLDC Rotary	Twin BLDC Rotary
	Output		kW	2.73	2.73
	Oil	Type	-	PVE	PVE
		Initial Charge	cc (fl oz)	1,400 (47.3)	1,400 (47.3)
Fan	Type		-	Propellar	Propellar
	Discharge direction		-	Front	Front
	Quantity		EA	1	1
	Air Flow Rate		m ³ /min	76	76
			ft ³ /min	2,684	2,684
Fan Motor	Type		-	BLDC	BLDC
	Output		W x n	125 x 1	125 x 1

1. Specification

A-Coil

Model Name	Indoor Unit (Maker)			7EH36AX-71 (Allied)	7EH48CX-71 (Allied)
	Outdoor Unit			AC024FCUDCG/AA	AC036FCUDCG/AA
US Code	Outdoor Unit			CCG24UDF	CCG36UDF
Sound Level	Sound Pressure Level	Cooling	dB(A)	50	53
		Heating	dB(A)	52	55
	Sound Power Level		dB(A)	70	73
External Dimension	Net Weight		kg(lbs)	71.0 (156.5)	71.0 (156.5)
	Shipping Weight		kg(lbs)	77.0 (169.8)	77.0 (169.8)
	Net Dimensions (WxHxD)		mm	940 x 998 x 330	940 x 998 x 330
			inch	37 x 39-5/16 x 13	37 x 39-5/16 x 13
	Shipping Dimensions (WxHxD)		mm	995 x 1,096 x 426	995 x 1,096 x 426
			inch	39-3/16 x 43-1/8 x 16-3/4	39-3/16 x 43-1/8 x 16-3/4
Casing	Material	Body	-	Steel	Steel
Operating Temp. Range	Cooling		°C	-20~50	-20~50
			°F	-4~122	-4~122
	Heating		°C	-25~24	-25~24
			°F	-13~75	-13~75

NOTE

- Specifications may be subject to change without prior notice.
- 1) Performances are based on the following test conditions.
 - Cooling : Indoor temperature : 80°F(26.7°C) DB, 67°F(19.4°C) WB, Outdoor temperature : 95°F(35°C) DB, 75°F(23.9°C) WB
 - Heating : Indoor temperature : 70°F(21.1°C) DB, 60°F(15.6°C) WB, Outdoor temperature : 47°F(8.3°C) DB, 43°F(6.1°C) WB
 - Equivalent refrigerant pipe length 7.5m (24.6ft), Level differences 0m (0ft)
- 2) Select wire size based on the value of MCA
- 3) Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A-weighted sound pressure level / Reference acoustic pressure 0 dB = 20uPa
- 4) Sound power level is an absolute value that a sound source generates.
 - dBA = A-weighted sound power level
 - Reference power : 1pW / Measured according to ISO 3741
- 5) These products contain R-454B which is fluorinated greenhouse gas.

1. Specification

A-Coil

Model Name	Indoor Unit (Maker)			7EH48CX-71 (Allied)	7EH48BX-71 (Allied)
	Outdoor Unit			AC048FCUDCG/AA	AC060FCUDCG/AA
US Code	Outdoor Unit			CCG48UDF	CCG60UDF
Mode			-	Heat Pump	Heat Pump
Power Supply			Φ,#,V,Hz	1,2,208-230,60	1,2,208-230,60
Performance	Capacity (Min/Std/Max)	Cooling	kW	4.20 / 13.10 / 16.10	4.30 / 15.50 / 17.20
			Btu/h	14,500 / 45,000 / 55,000	15,000 / 53,000 / 59,000
			US RT	1.19 / 3.72 / 4.58	1.22 / 4.41 / 4.89
		Heating	kW	3.30 / 14.00 / 17.50	3.50 / 16.10 / 19.00
			Btu/h	11,500 / 48,000 / 60,000	12,000 / 55,000 / 65,000
			US RT	0.94 / 3.98 / 4.98	1.00 / 4.58 / 5.40
Power	Power Input (Min/Std/Max)	Cooling	kW	1.30 / 4.73 / 5.80	1.40 / 5.69 / 6.50
		Heating		1.10 / 4.68 / 7.10	1.20 / 5.75 / 7.30
	Current Input (Min/Std/Max)	Cooling	A	7.00 / 21.60 / 26.00	8.00 / 26.00 / 29.00
		Heating		7.00 / 21.40 / 32.00	7.50 / 26.30 / 32.00
	Current	MCA	A	33.3	33.3
		MOP	A	40.0	40.0
Efficiency	EER2	Cooling	W/W	2.77	2.72
		Cooling (US)	(Btu/h)/W	9.5	9.3
	COP	Heating	W/W	3.0	2.8
	SEER2 (Cooling Energy		-	14.3	14.3
	HSPF2 (Heating Energy		-	8.0	7.5
	Pipe Connections	Liquid Pipe		Type	Brazing connection
Φ, mm(inch)				9.52 (3/8)	9.52 (3/8)
Gas Pipe		Type	Brazing connection	Brazing connection	
		Φ, mm(inch)	22.2 (7/8)	22.2 (7/8)	
Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes	
Pipe Length (ODU-IDU)		Standard	m (ft)	7.5 (24.6)	7.5 (24.6)
		Max.	m (ft)	50 (164)	50 (164)
		Elevation	m (ft)	30 (98)	30 (98)
	Chargeless	m (ft)	7.5 (24.6)	7.5 (24.6)	
Wiring Connections	Communication (ODU-ACU KIT)	Min.	mm ²	0.75	0.75
			inch ²	0.0012	0.0012
			AWG	18	18
		Remark	-	F1, F2	F1, F2
Refrigerant	Type		-	R-454B	R-454B
	Factory Charging		kg	3.80	4.00
			lbs	8.38	8.82
	Control Method		-	EEV	EEV
Heat Exchanger	Type		-	F&T	F&T
	Material	Fin	-	Al	Al
		Tube	-	Cu	Cu
	Fin Treatment		-	Anti-Corrosion	Anti-Corrosion
Compressor	Model		-	UF5LF3450FJXSG	UF5LF3450FJXSG
	Type		-	Twin BLDC Rotary	Twin BLDC Rotary
	Output		kW	3.95	3.95
	Oil	Type	-	PVE	PVE
		Initial Charge	cc (fl oz)	1,500 (50.7)	1,500 (50.7)
Fan	Type		-	Propellar	Propellar
	Discharge direction		-	Front	Front
	Quantity		EA	2	2
	Air Flow Rate		m ³ /min	100	125
			ft ³ /min	3,532	4,415
Fan Motor	Type		-	BLDC	BLDC
	Output		W x n	125 x 2	125 x 2

1. Specification

A-Coil

Model Name	Indoor Unit (Maker)			7EH48CX-71 (Allied)	7EH48BX-71 (Allied)
	Outdoor Unit			AC048FCUDCG/AA	AC060FCUDCG/AA
US Code	Outdoor Unit			CCG48UDF	CCG60UDF
Sound Level	Sound Pressure Level	Cooling	dB(A)	55	56
		Heating	dB(A)	57	58
	Sound Power Level		dB(A)	75	75
External Dimension	Net Weight		kg(lbs)	95.0 (209.4)	101.0 (222.7)
	Shipping Weight		kg(lbs)	104.0 (229.3)	111.0 (244.7)
	Net Dimensions (WxHxD)		mm	940 x 1,210 x 330	940 x 1,420 x 330
			inch	37 x 47-5/8 x 13	37 x 55-7/8 x 13
	Shipping Dimensions (WxHxD)		mm	995 x 1,388 x 426	995 x 1,598 x 426
			inch	39-3/16 x 54-5/8 x 16-3/4	39-3/16 x 62-15/16 x 16-3/4
Casing	Material	Body	-	Steel	Steel
Operating Temp. Range	Cooling		°C	-20~50	-20~50
			°F	-4~122	-4~122
	Heating		°C	-25~24	-25~24
			°F	-13~75	-13~75

NOTE

- Specifications may be subject to change without prior notice.
- 1) Performances are based on the following test conditions.
 - Cooling : Indoor temperature : 80°F(26.7°C) DB, 67°F(19.4°C) WB, Outdoor temperature : 95°F(35°C) DB, 75°F(23.9°C) WB
 - Heating : Indoor temperature : 70°F(21.1°C) DB, 60°F(15.6°C) WB, Outdoor temperature : 47°F(8.3°C) DB, 43°F(6.1°C) WB
 - Equivalent refrigerant pipe length 7.5m (24.6ft), Level differences 0m (0ft)
- 2) Select wire size based on the value of MCA
- 3) Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A-weighted sound pressure level / Reference acoustic pressure 0 dB = 20uPa
- 4) Sound power level is an absolute value that a sound source generates.
 - dBA = A-weighted sound power level
 - Reference power : 1pW / Measured according to ISO 3741
- 5) These products contain R-454B which is fluorinated greenhouse gas.

1. Specification

A-Coil

Model Name	Indoor Unit (Maker)		7EH24AX-***TDR (Allied)	7EH48BX-***TDR (Allied)
	Outdoor Unit		AC024FCUPCG/AA	AC036FCUPCG/AA
US Code	Outdoor Unit		CCG24UPF	CCG36UPF
Mode			Heat Pump	Heat Pump
Power Supply			Φ, #, V, Hz	1,2,208-230,60
Performance	Capacity (Min/Std/Max)	Cooling	kW	3.50 / 6.70 / 9.30
			Btu/h	12,000 / 23,000 / 32,000
			US RT	1.00 / 1.91 / 2.64
		Heating	kW	2.30 / 7.30 / 10.80
			Btu/h	8,000 / 25,000 / 37,000
			US RT	0.65 / 2.08 / 3.07
Power	Power Input (Min/Std/Max)	Cooling	kW	0.80 / 1.96 / 3.00
		Heating		0.60 / 2.28 / 5.10
	Current Input (Min/Std/Max)	Cooling	A	4.00 / 8.90 / 14.00
		Heating		4.00 / 10.40 / 24.00
	Current	MCA	A	25.3
		MOP	A	30.0
Efficiency	EER2	Cooling	W/W	3.42
		Cooling (US)	(Btu/h)/W	11.7
	COP	Heating	W/W	3.2
	SEER2 (Cooling Energy)		-	15.4
	HSPF2 (Heating Energy)		-	8.1
				8.5
Pipe Connections	Liquid Pipe		Type	Brazing connection
			Φ, mm(inch)	9.52 (3/8)
	Gas Pipe		Type	Brazing connection
			Φ, mm(inch)	22.2 (7/8)
	Heat Insulation		-	Both liquid and gas pipes
	Pipe Length (ODU-IDU)	Standard	m (ft)	7.5 (24.6)
		Max.	m (ft)	50 (164)
		Elevation	m (ft)	30 (98)
		Chargeless	m (ft)	7.5 (24.6)
Wiring Connections	Communication (ODU-ACU KIT)	Min.	mm ²	0.75
			inch ²	0.0012
			AWG	18
		Remark	-	F1, F2
Refrigerant	Type		-	R454B
	Factory Charging		kg	3.20
			lbs	7.05
	Control Method		-	EEV
Heat Exchanger	Type		-	F&T
	Material	Fin	-	Al
		Tube	-	Cu
	Fin Treatment		-	Anti-Corrosion
Compressor	Model		-	UF8LF3300FJUSG
	Type		-	Twin BLDC Rotary
	Output		kW	2.73
	Oil	Type	-	PVE
		Initial Charge	cc (fl oz)	1,400 (47.3)
Fan	Type		-	Propellar
	Discharge direction		-	Front
	Quantity		EA	2
	Air Flow Rate		m ³ /min	100
			ft ³ /min	3,532
Fan Motor	Type		-	BLDC
	Output		W x n	125 x 2

1. Specification

A-Coil

Model Name	Indoor Unit (Maker)			7EH24AX-***TDR (Allied)	7EH48BX-***TDR (Allied)
	Outdoor Unit			AC024FCUPCG/AA	AC036FCUPCG/AA
US Code	Outdoor Unit			CCG24UPF	CCG36UPF
Sound Level	Sound Pressure Level	Cooling	dB(A)	50	55
		Heating	dB(A)	52	57
	Sound Power Level		dB(A)	70	75
External Dimension	Net Weight		kg(lbs)	87.0 (191.8)	104.0 (229.3)
	Shipping Weight		kg(lbs)	96.0 (211.6)	114.0 (251.3)
	Net Dimensions (WxHxD)		mm	940 x 1,210 x 330	940 x 1,420 x 330
			inch	37.01 x 47.64 x 12.99	37.01 x 55.91 x 12.99
	Shipping Dimensions (WxHxD)		mm	995 x 1,388 x 426	995 x 1,598 x 426
			inch	39.17 x 54.65 x 16.77	39.17 x 62.91 x 16.77
Casing	Material	Body	-	Steel	Steel
Operating Temp. Range	Cooling		°C	-20~52	-20~52
			°F	-4~126	-4~126
	Heating		°C	-25~24	-25~24
			°F	-13~75	-13~75

NOTE

- Specifications may be subject to change without prior notice.
- 1) Performances are based on the following test conditions.
 - Cooling : Indoor temperature : 80°F(26.7°C) DB, 67°F(19.4°C) WB, Outdoor temperature : 95°F(35°C) DB, 75°F(23.9°C) WB
 - Heating : Indoor temperature : 70°F(21.1°C) DB, 60°F(15.6°C) WB, Outdoor temperature : 47°F(8.3°C) DB, 43°F(6.1°C) WB
 - Equivalent refrigerant pipe length 7.5m (24.6ft), Level differences 0m (0ft)
- 2) Select wire size based on the value of MCA
- 3) Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A-weighted sound pressure level / Reference acoustic pressure 0 dB = 20uPa
- 4) Sound power level is an absolute value that a sound source generates.
 - dBA = A-weighted sound power level
 - Reference power : 1pW / Measured according to ISO 3741
- 5) These products contain R-454B which is fluorinated greenhouse gas.

1. Specification

A-Coil

Model Name	Indoor Unit (Maker)			7EH51CX-***TDR (Allied)	7EH51CX-***TDR (Allied)
	Outdoor Unit			AC048FCUPCG/AA	AC060FCUPCG/AA
US Code	Outdoor Unit			CCG48UPF	CCG60UPF
Mode			-	Heat Pump	Heat Pump
Power Supply			Φ, #, V, Hz	1,2,208-230,60	1,2,208-230,60
Performance	Capacity (Min/Std/Max)	Cooling	kW	4.50 / 13.10 / 16.70	4.60 / 15.50 / 18.40
			Btu/h	15,500 / 45,000 / 57,000	16,000 / 53,000 / 63,000
			US RT	1.28 / 3.72 / 4.75	1.31 / 4.41 / 5.23
		Heating	kW	3.50 / 14.00 / 18.70	3.80 / 16.10 / 21.10
			Btu/h	12,000 / 48,000 / 64,000	13,000 / 55,000 / 72,000
			US RT	1.00 / 3.98 / 5.32	1.08 / 4.58 / 6.00
Power	Power Input (Min/Std/Max)	Cooling	kW	1.20 / 4.50 / 5.70	1.30 / 5.46 / 6.40
		Heating		0.90 / 4.68 / 7.10	1.10 / 6.19 / 7.10
	Current Input (Min/Std/Max)	Cooling	A	6.50 / 20.50 / 25.50	7.50 / 24.90 / 28.50
		Heating		6.00 / 21.40 / 32.00	7.00 / 28.30 / 32.00
	Current	MCA	A	33.3	33.3
		MOP	A	40.0	40.0
Efficiency	EER2	Cooling	W/W	2.91	2.84
		Cooling (US)	(Btu/h)/W	10.0	9.7
	COP	Heating	W/W	3.0	2.6
	SEER2 (Cooling Energy)		-	14.8	14.5
	HSPF2 (Heating Energy)		-	8.0	7.7
Pipe Connections	Liquid Pipe		Type	Brazing connection	Brazing connection
			Φ, mm(inch)	9.52 (3/8)	9.52 (3/8)
	Gas Pipe		Type	Brazing connection	Brazing connection
			Φ, mm(inch)	22.2 (7/8)	22.2 (7/8)
	Heat Insulation		-	Both liquid and gas pipes	Both liquid and gas pipes
	Pipe Length (ODU-IDU)	Standard	m (ft)	7.5 (24.6)	7.5 (24.6)
		Max.	m (ft)	50 (164)	50 (164)
		Elevation	m (ft)	30 (98)	30 (98)
		Chargeless	m (ft)	7.5 (24.6)	7.5 (24.6)
Wiring Connections	Communication (ODU-ACU KIT)	Min.	mm ²	0.75	0.75
			inch ²	0.0012	0.0012
			AWG	18	18
		Remark	-	F1, F2	F1, F2
Refrigerant	Type		-	R454B	R454B
	Factory Charging		kg	5.50	5.50
			lbs	12.13	12.13
	Control Method		-	EEV	EEV
Heat Exchanger	Type		-	F&T	F&T
	Material	Fin	-	Al	Al
		Tube	-	Cu	Cu
	Fin Treatment		-	Anti-Corrosion	Anti-Corrosion
Compressor	Model		-	UF5LF3450FJXSG	UF5LF3450FJXSG
	Type		-	Twin BLDC Rotary	Twin BLDC Rotary
	Output		kW	3.95	3.95
	Oil	Type	-	PVE	PVE
		Initial Charge	cc (fl oz)	1,500 (50.7)	1,500 (50.7)
Fan	Type		-	Propellar	Propellar
	Discharge direction		-	Front	Front
	Quantity		EA	2	2
	Air Flow Rate		m ³ /min	125	125
			ft ³ /min	4,415	4,415
Fan Motor	Type		-	BLDC	BLDC
	Output		W x n	125 x 2	125 x 2

1. Specification

A-Coil

Model Name	Indoor Unit (Maker)			7EH51CX-***+TDR (Allied)	7EH51CX-***+TDR (Allied)
	Outdoor Unit			AC048FCUPCG/AA	AC060FCUPCG/AA
US Code	Outdoor Unit			CCG48UPF	CCG60UPF
Sound Level	Sound Pressure Level	Cooling	dB(A)	55	56
		Heating	dB(A)	57	58
	Sound Power Level		dB(A)	75	75
External Dimension	Net Weight		kg(lbs)	105.0 (231.5)	105.0 (231.5)
	Shipping Weight		kg(lbs)	115.0 (253.5)	115.0 (253.5)
	Net Dimensions (WxHxD)		mm	940 x 1,420 x 330	940 x 1,420 x 330
			inch	37.01 x 55.91 x 12.99	37.01 x 55.91 x 12.99
	Shipping Dimensions (WxHxD)		mm	995 x 1,598 x 426	995 x 1,598 x 426
			inch	39.17 x 62.91 x 16.77	39.17 x 62.91 x 16.77
Casing	Material	Body	-	Steel	Steel
Operating Temp. Range	Cooling		°C	-20~50	-20~50
			°F	-4~122	-4~122
	Heating		°C	-25~24	-25~24
			°F	-13~75	-13~75

NOTE

- Specifications may be subject to change without prior notice.
- 1) Performances are based on the following test conditions.
 - Cooling : Indoor temperature : 80°F(26.7°C) DB, 67°F(19.4°C) WB, Outdoor temperature : 95°F(35°C) DB, 75°F(23.9°C) WB
 - Heating : Indoor temperature : 70°F(21.1°C) DB, 60°F(15.6°C) WB, Outdoor temperature : 47°F(8.3°C) DB, 43°F(6.1°C) WB
 - Equivalent refrigerant pipe length 7.5m (24.6ft), Level differences 0m (0ft)
- 2) Select wire size based on the value of MCA
- 3) Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dBA = A-weighted sound pressure level / Reference acoustic pressure 0 dB = 20uPa
- 4) Sound power level is an absolute value that a sound source generates.
 - dBA = A-weighted sound power level
 - Reference power : 1pW / Measured according to ISO 3741
- 5) These products contain R-454B which is fluorinated greenhouse gas.

1. Specification

ACU (AHU Control Unit)

TYPE			ACU (AHU Control Unit)
Model Name			MXD-U001XN
Power Supply		-	24V~, 50 / 60 Hz
Connectable Outdoor		-	CCG**U*F (AC***FCU*CG/AA)
External Dimension	Net Weight	kg (lbs)	0.617 (1.360)
	Shipping Weight	kg (lbs)	1.090 (2.403)
	Net Dimensions (WxHxD)	mm	277.8 x 47.5 x 186.8
		inch	10-15/16 x 1-7/8 x 7-3/8
	Shipping Dimensions (WxHxD)	mm	327 x 96 x 219
		inch	12-7/8 x 3-3/4 x 8-5/8

2. Summary Table

Outdoor units

Performance Characteristics

Capacity (Btu/h)	Model Code	Net Size (WxHxD inch)	Net Weight (lbs)	Airflow (CFM)	Sound Pressure Level (dBA)		Sound Power Level (dBA)
					Cooling	Heating	
24,000	CCG24UDF (AC024FCUDCG/AA)	37 x 39-5/16 x 13	156.5	2,684	50	52	70
36,000	CCG36UDF (AC036FCUDCG/AA)	37 x 39-5/16 x 13	156.5	2,684	53	55	73
48,000	CCG48UDF (AC048FCUDCG/AA)	37 x 47-5/8 x 13	209.4	3,532	55	57	75
60,000	CCG60UDF (AC060FCUDCG/AA)	37 x 55-7/8 x 13	222.7	4,415	56	58	75
24,000	CCG24UPF (AC024FCUPCG/AA)	37 x 47-5/8 x 13	191.8	3,532	50	52	70
36,000	CCG36UPF (AC036FCUPCG/AA)	37 x 55-7/8 x 13	229.3	4,415	55	57	75
48,000	CCG48UPF (AC048FCUPCG/AA)	37 x 55-7/8 x 13	231.5	4,415	55	57	75
60,000	CCG60UPF (AC060FCUPCG/AA)	37 x 55-7/8 x 13	231.5	4,415	56	58	75

NOTE

- Sound data is based on cooling operation.

Electric Characteristics

Model	Outdoor Unit				Input Current (Amperes)		Power Supply	
Outdoor Unit	Rated	Voltage range			Outdoor Unit		MCA(A)	MOP(A)
	Hz	Volts	Min.	Max	Cooling	Heating		
CCG24UDF (AC024FCUDCG/AA)	60	208-230	187	253	24	24	24.1	30
CCG36UDF (AC036FCUDCG/AA)	60	208-230	187	253	24	24	24.1	30
CCG48UDF (AC048FCUDCG/AA)	60	208-230	187	253	32	32	33.3	40
CCG60UDF (AC060FCUDCG/AA)	60	208-230	187	253	32	32	33.3	40
CCG24UPF (AC024FCUPCG/AA)	60	208-230	187	253	24	24	25.3	30
CCG36UPF (AC036FCUPCG/AA)	60	208-230	187	253	32	32	33.3	40
CCG48UPF (AC048FCUPCG/AA)	60	208-230	187	253	32	32	33.3	40
CCG60UPF (AC060FCUPCG/AA)	60	208-230	187	253	32	32	33.3	40

NOTE

- MCA : Minimum circuit amperes (A)
- MOP: Maximum Overcurrent Protective Device (A)
- Select wire size based on the value of MCA.

3. Capacity Table

AHU

- FEMG31A24S001R (ADP) + CCG24UDF (AC024FCUDCG/AA)

Cooling TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	15.0	13.6	1.34	19.5	15.0	1.77	23.0	17.6	2.18	26.8	18.7	2.66	28.9	18.4	2.83	30.0	19.5	2.88	31.6	20.1	2.93
70	15.7	14.3	1.15	20.5	15.8	1.50	24.2	18.4	1.84	28.1	19.7	2.24	30.3	19.3	2.37	31.5	20.5	2.41	33.2	21.1	2.45
95	12.7	11.7	1.17	16.1	12.8	1.45	20.2	15.5	1.86	24.0	16.8	2.28	26.9	16.7	2.58	27.6	17.8	2.62	29.0	18.3	2.66
115	16.6	15.3	2.18	20.3	16.4	2.52	21.7	18.0	2.54	22.8	18.2	2.57	24.2	17.4	2.59	25.1	18.9	2.61	25.8	19.4	2.59
122	13.2	12.9	1.84	16.1	13.8	2.12	17.2	15.2	2.14	18.1	15.4	2.16	19.2	14.7	2.18	19.9	15.9	2.20	20.4	16.3	2.18

Heating TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	15.5	2.73	15.3	2.77	15.2	2.82	15.0	2.86	14.9	2.89	14.7	2.91
-4	18.5	2.97	18.3	3.02	18.1	3.08	17.9	3.11	17.7	3.15	17.6	3.17
5	21.5	3.18	21.3	3.23	21.1	3.29	20.9	3.33	20.7	3.37	20.5	3.39
14	25.8	3.57	25.5	3.63	25.3	3.60	25.0	3.65	24.8	3.67	24.5	3.60
32	24.3	2.32	24.1	2.42	23.9	2.55	23.6	2.57	23.4	2.57	23.1	2.63
47	26.5	2.31	26.3	2.38	26.0	2.46	25.0	2.44	24.3	2.44	23.8	2.33
75	32.7	2.33	30.5	2.18	28.4	2.00	27.0	1.89	25.4	1.82	23.5	1.72

NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

AHU

- FEMG34A36S001R (ADP) + CCG36UDF (AC036FCUDCG/AA)

Cooling TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	21.2	19.3	2.05	27.7	21.3	2.74	32.6	24.9	3.40	37.9	26.5	4.17	40.9	26.1	4.44	42.4	27.6	4.52	44.7	28.5	4.59
70	22.3	20.3	1.75	29.1	22.4	2.32	34.2	26.1	2.86	39.8	27.9	3.50	43.0	27.4	3.72	44.6	29.0	3.79	47.0	29.9	3.85
95	18.0	16.5	1.78	22.8	18.2	2.23	28.6	22.0	2.89	34.0	23.8	3.57	38.1	23.7	4.06	39.1	25.2	4.12	41.1	25.9	4.19
115	23.6	21.7	3.39	28.7	23.2	3.95	30.7	25.5	3.98	32.3	25.8	4.02	34.2	24.7	4.06	35.5	26.7	4.09	36.5	27.4	4.06
122	18.7	18.3	2.86	22.8	19.6	3.32	24.3	21.5	3.35	25.6	21.8	3.38	27.1	20.8	3.41	28.2	22.5	3.44	28.9	23.1	3.41

Heating TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	22.2	3.67	22.0	3.73	21.8	3.81	21.6	3.85	21.4	3.89	21.2	3.92
-4	26.6	4.01	26.3	4.07	26.1	4.15	25.8	4.20	25.5	4.25	25.3	4.28
5	31.0	4.28	30.7	4.35	30.4	4.44	30.1	4.49	29.8	4.54	29.5	4.57
14	37.1	4.82	36.8	4.89	36.4	4.85	36.1	4.92	35.7	4.95	35.3	4.85
32	35.0	3.13	34.7	3.26	34.4	3.43	34.0	3.46	33.7	3.47	33.3	3.54
47	38.2	3.12	37.8	3.21	37.4	3.32	36.0	3.29	34.9	3.29	34.2	3.14
75	47.1	3.15	44.0	2.95	40.8	2.69	38.9	2.55	36.6	2.46	33.8	2.32

 NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

AHU

- FEMTT3A48S001R (ADP) + CCG48UDF (AC048FCUDCG/AA)

Cooling TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	32.9	29.9	2.25	42.9	33.0	2.93	50.5	38.5	3.57	58.7	41.1	4.32	63.4	40.4	4.58	65.7	42.8	4.66	69.3	44.1	4.73
70	32.1	29.3	2.09	41.9	32.3	2.70	49.4	37.7	3.29	57.4	40.2	3.97	62.0	39.5	4.21	64.3	41.9	4.28	67.7	43.1	4.35
95	24.4	22.4	2.48	30.8	24.6	3.08	38.6	29.8	3.94	46.0	32.2	4.84	51.5	32.1	5.48	52.9	34.1	5.57	55.7	35.1	5.66
115	31.7	29.1	4.48	38.6	31.2	5.20	41.2	34.3	5.24	43.4	34.7	5.29	46.0	33.1	5.34	47.7	35.9	5.38	49.0	36.9	5.34
122	25.0	24.5	3.61	30.5	26.2	4.17	32.6	28.8	4.20	34.3	29.2	4.24	36.4	27.8	4.28	37.7	30.1	4.31	38.8	31.0	4.28

Heating TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	29.8	4.30	29.5	4.37	29.2	4.45	28.9	4.50	28.6	4.55	28.3	4.58
-4	34.7	4.85	34.4	4.93	34.0	5.03	33.7	5.08	33.4	5.13	33.0	5.17
5	44.1	5.99	43.7	6.09	43.2	6.21	42.8	6.28	42.4	6.35	41.9	6.39
14	51.9	6.95	51.4	7.05	50.9	6.99	50.4	7.09	49.9	7.14	49.4	6.99
32	52.7	4.92	52.2	5.12	51.7	5.39	51.2	5.43	50.7	5.44	50.2	5.56
47	50.9	4.30	50.4	4.43	49.9	4.57	48.0	4.53	46.6	4.53	45.6	4.32
75	74.2	5.27	69.3	4.93	64.4	4.51	61.3	4.27	57.6	4.11	53.3	3.89

NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

AHU

- FEMTT7A60S001R (ADP) + CCG60UDF (AC060FCUDCG/AA)

Cooling TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	33.8	33.0	3.13	44.1	36.4	4.03	51.9	42.5	4.88	60.4	45.3	5.88	65.2	44.5	6.23	67.6	47.2	6.33	71.3	48.6	6.43
70	31.2	30.4	2.37	40.7	33.5	2.97	47.9	39.2	3.54	55.7	41.8	4.20	60.2	41.1	4.43	62.4	43.5	4.50	65.7	44.9	4.57
95	28.6	28.1	2.91	36.2	30.9	3.55	45.4	37.4	4.45	54.0	40.5	5.40	60.5	40.4	6.08	62.1	42.8	6.17	65.3	44.1	6.26
115	35.6	32.8	5.70	43.4	35.1	6.57	46.4	38.6	6.63	48.8	39.0	6.69	51.7	37.2	6.75	53.7	40.4	6.81	55.1	41.5	6.75
122	28.0	28.0	4.76	34.2	31.1	5.47	36.5	34.1	5.51	38.4	34.6	5.56	40.7	33.0	5.61	42.2	35.7	5.65	43.4	36.7	5.61

Heating TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	34.8	4.85	34.5	4.92	34.1	5.01	33.8	5.06	33.5	5.11	33.1	5.14
-4	40.6	5.38	40.2	5.45	39.8	5.56	39.4	5.62	39.0	5.67	38.6	5.71
5	46.4	5.74	45.9	5.82	45.5	5.94	45.0	6.00	44.6	6.06	44.1	6.10
14	51.4	6.19	50.9	6.27	50.4	6.22	49.9	6.31	49.4	6.34	48.9	6.22
32	50.8	4.27	50.3	4.43	49.8	4.64	49.3	4.67	48.8	4.68	48.3	4.77
47	59.4	4.73	58.8	4.86	58.2	5.01	56.0	4.97	54.3	4.97	53.2	4.76
75	85.7	6.46	80.0	6.06	74.3	5.56	70.8	5.28	66.6	5.09	61.6	4.83

NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

AHU

- FEMG33A25S001R (ADP) + CCG24UPF (AC024FCUPCG/AA)

Cooling TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	10.1	9.2	0.36	13.1	10.1	0.37	15.5	11.8	0.39	18.0	12.6	0.41	19.4	12.4	0.42	20.2	13.1	0.42	21.2	13.5	0.42
70	15.5	14.1	0.82	20.1	15.5	1.02	23.7	18.1	1.21	27.6	19.3	1.44	29.8	19.0	1.51	30.9	20.1	1.54	32.6	20.7	1.56
95	12.7	11.7	1.09	16.1	12.8	1.34	20.2	15.5	1.68	24.0	16.8	2.05	26.9	16.7	2.31	27.6	17.8	2.35	29.0	18.3	2.38
115	18.4	16.9	2.43	22.4	18.1	2.82	23.9	19.9	2.84	25.2	20.2	2.87	26.7	19.2	2.90	27.7	20.8	2.92	28.5	21.4	2.90
126	13.1	12.8	1.92	16.0	13.8	2.22	17.1	15.1	2.24	18.0	15.3	2.26	19.1	14.6	2.27	19.8	15.8	2.29	20.3	16.3	2.27

Heating TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	19.3	2.94	19.1	2.98	18.9	3.04	18.8	3.08	18.6	3.11	18.4	3.13
-4	25.8	3.26	25.5	3.31	25.3	3.38	25.0	3.42	24.8	3.46	24.5	3.48
5	26.3	3.16	26.0	3.20	25.8	3.27	25.5	3.31	25.2	3.34	25.0	3.37
14	27.0	3.13	26.8	3.17	26.5	3.15	26.3	3.19	26.0	3.21	25.7	3.15
32	26.3	2.18	26.0	2.26	25.8	2.38	25.5	2.39	25.2	2.40	25.0	2.45
47	26.5	2.17	26.3	2.23	26.0	2.30	25.0	2.28	24.3	2.28	23.8	2.18
75	33.3	2.09	31.1	1.96	28.9	1.80	27.5	1.71	25.9	1.65	23.9	1.57

NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

AHU

- FEMTT3A37S001R (ADP) + CCG36UPF (AC036FCUPCG/AA)

Cooling TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	18.1	16.5	0.71	23.7	18.2	0.87	27.9	21.3	1.02	32.4	22.7	1.20	35.0	22.3	1.26	36.3	23.6	1.28	38.2	24.4	1.30
70	24.2	22.0	1.45	31.5	24.3	1.91	37.2	28.3	2.34	43.2	30.2	2.85	46.7	29.7	3.03	48.4	31.5	3.08	51.0	32.5	3.13
95	19.1	17.5	1.52	24.1	19.2	1.90	30.2	23.3	2.44	36.0	25.2	3.00	40.3	25.1	3.40	41.4	26.7	3.46	43.6	27.4	3.51
115	29.4	27.1	3.79	35.9	29.0	4.42	38.3	31.9	4.46	40.3	32.3	4.50	42.7	30.8	4.54	44.4	33.4	4.58	45.6	34.3	4.54
126	21.0	20.6	3.04	25.6	22.0	3.53	27.4	24.2	3.57	28.8	24.5	3.60	30.5	23.4	3.63	31.7	25.3	3.67	32.5	26.0	3.63

Heating TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	27.8	4.43	27.5	4.50	27.3	4.60	27.0	4.65	26.7	4.70	26.5	4.74
-4	40.8	6.20	40.4	6.30	40.0	6.44	39.6	6.51	39.2	6.58	38.8	6.63
5	46.4	6.35	45.9	6.45	45.5	6.59	45.0	6.67	44.6	6.74	44.1	6.79
14	44.5	5.31	44.1	5.39	43.6	5.35	43.2	5.43	42.8	5.46	42.3	5.35
32	37.1	2.95	36.7	3.07	36.4	3.23	36.0	3.26	35.6	3.26	35.3	3.33
47	38.2	2.94	37.8	3.03	37.4	3.13	36.0	3.10	34.9	3.10	34.2	2.95
75	50.1	3.06	46.8	2.86	43.5	2.62	41.4	2.48	38.9	2.39	36.0	2.26

NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

AHU

- FEMTT7A60S001R (ADP) + CCG48UPF (AC048FCUPCG/AA)

Cooling TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	23.7	21.6	0.94	30.9	23.8	1.19	36.4	27.8	1.43	42.3	29.6	1.71	45.7	29.1	1.81	47.4	30.8	1.83	49.9	31.8	1.86
70	34.2	31.1	2.48	44.6	34.3	3.34	52.5	40.1	4.16	61.1	42.8	5.12	66.0	42.0	5.46	68.4	44.5	5.56	72.1	45.9	5.65
95	24.9	22.8	2.09	31.5	25.1	2.65	39.5	30.4	3.44	47.0	32.9	4.27	52.6	32.8	4.86	54.1	34.8	4.94	56.9	35.8	5.02
115	32.6	30.0	4.31	39.7	32.1	5.03	42.4	35.3	5.08	44.7	35.7	5.12	47.3	34.1	5.17	49.1	36.9	5.22	50.5	37.9	5.17
122	27.4	26.8	3.77	33.5	28.7	4.40	35.7	31.6	4.44	37.6	32.0	4.48	39.9	30.5	4.53	41.4	33.0	4.57	42.5	33.9	4.53

Heating TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	34.6	4.40	34.3	4.47	33.9	4.56	33.6	4.61	33.3	4.66	32.9	4.70
-4	42.0	5.54	41.6	5.63	41.2	5.75	40.8	5.81	40.4	5.88	40.0	5.92
5	44.5	6.30	44.1	6.40	43.6	6.54	43.2	6.62	42.8	6.69	42.3	6.74
14	51.9	6.87	51.4	6.98	50.9	6.92	50.4	7.02	49.9	7.06	49.4	6.92
32	47.0	3.62	46.5	3.78	46.1	3.98	45.6	4.01	45.1	4.02	44.7	4.11
47	50.9	3.80	50.4	3.91	49.9	4.04	48.0	4.01	46.6	4.01	45.6	3.82
75	81.3	5.26	75.9	4.90	70.6	4.46	67.2	4.21	63.2	4.05	58.5	3.81

NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

AHU

- FEMUU1A60S001R (ADP) + CCG60UPF (AC060FCUPCG/AA)

Cooling TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	27.7	25.2	1.09	36.1	27.8	1.40	42.6	32.5	1.69	49.5	34.7	2.04	53.5	34.1	2.16	55.4	36.1	2.19	58.4	37.2	2.23
70	37.0	33.6	2.23	48.2	37.1	3.00	56.8	43.3	3.73	66.0	46.2	4.58	71.3	45.4	4.88	73.9	48.1	4.97	77.9	49.6	5.05
95	29.2	26.7	2.46	36.9	29.4	3.13	46.2	35.6	4.09	55.0	38.5	5.09	61.6	38.4	5.81	63.3	40.7	5.90	66.6	41.9	6.00
115	36.1	33.2	4.49	44.1	35.6	5.24	47.0	39.1	5.29	49.5	39.6	5.34	52.5	37.8	5.39	54.5	40.9	5.45	55.9	42.1	5.39
122	30.1	29.4	4.07	36.7	31.5	4.74	39.2	34.6	4.79	41.3	35.1	4.84	43.7	33.4	4.88	45.4	36.3	4.93	46.6	37.2	4.88

Heating TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	40.4	5.51	40.0	5.60	39.6	5.72	39.2	5.78	38.8	5.85	38.4	5.89
-4	43.3	5.74	42.8	5.83	42.4	5.96	42.0	6.03	41.6	6.09	41.2	6.14
5	49.0	5.97	48.6	6.06	48.1	6.19	47.6	6.27	47.1	6.34	46.6	6.39
14	57.7	7.08	57.1	7.19	56.6	7.13	56.0	7.23	55.4	7.28	54.9	7.13
32	54.8	4.56	54.3	4.76	53.7	5.02	53.2	5.06	52.7	5.07	52.1	5.18
47	59.4	4.56	58.8	4.70	58.2	4.86	56.0	4.82	54.3	4.82	53.2	4.59
75	88.1	6.03	82.3	5.62	76.4	5.11	72.8	4.82	68.4	4.63	63.3	4.36

NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

AHU

- 7AH1AV24PX (Allied) + CCG24UDF (AC024FCUDCG/AA)

Cooling TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	15.0	13.6	1.29	19.5	15.0	1.70	23.0	17.6	2.09	26.8	18.7	2.55	28.9	18.4	2.71	30.0	19.5	2.75	31.6	20.1	2.80
70	15.7	14.3	1.10	20.5	15.8	1.44	24.2	18.4	1.76	28.1	19.7	2.14	30.3	19.3	2.27	31.5	20.5	2.31	33.2	21.1	2.34
95	12.7	11.7	1.12	16.1	12.8	1.39	20.2	15.5	1.78	24.0	16.8	2.18	26.9	16.7	2.47	27.6	17.8	2.51	29.0	18.3	2.54
115	16.6	15.3	2.08	20.3	16.4	2.41	21.7	18.0	2.43	22.8	18.2	2.45	24.2	17.4	2.48	25.1	18.9	2.50	25.8	19.4	2.48
122	13.2	12.9	1.76	16.1	13.8	2.03	17.2	15.2	2.05	18.1	15.4	2.06	19.2	14.7	2.08	19.9	15.9	2.10	20.4	16.3	2.08

Heating TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	15.5	2.73	15.3	2.77	15.2	2.82	15.0	2.86	14.9	2.89	14.7	2.91
-4	18.5	2.97	18.3	3.02	18.1	3.08	17.9	3.11	17.7	3.15	17.6	3.17
5	21.5	3.18	21.3	3.23	21.1	3.29	20.9	3.33	20.7	3.37	20.5	3.39
14	25.8	3.57	25.5	3.63	25.3	3.60	25.0	3.65	24.8	3.67	24.5	3.60
32	24.3	2.32	24.1	2.42	23.9	2.55	23.6	2.57	23.4	2.57	23.1	2.63
47	26.5	2.31	26.3	2.38	26.0	2.46	25.0	2.44	24.3	2.44	23.8	2.33
75	32.7	2.33	30.5	2.18	28.4	2.00	27.0	1.89	25.4	1.82	23.5	1.72

 NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

AHU

- 7AH1AV36PX (Allied) + CCG36UDF (AC036FCUDCG/AA)

Cooling TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	21.2	19.3	2.15	27.7	21.3	2.89	32.6	24.9	3.58	37.9	26.5	4.40	40.9	26.1	4.69	42.4	27.6	4.77	44.7	28.5	4.85
70	22.3	20.3	1.83	29.1	22.4	2.44	34.2	26.1	3.02	39.8	27.9	3.70	43.0	27.4	3.93	44.6	29.0	4.00	47.0	29.9	4.07
95	18.0	16.5	1.87	22.8	18.2	2.35	28.6	22.0	3.04	34.0	23.8	3.77	38.1	23.7	4.29	39.1	25.2	4.36	41.1	25.9	4.43
115	23.6	21.7	3.58	28.7	23.2	4.17	30.7	25.5	4.21	32.3	25.8	4.25	34.2	24.7	4.28	35.5	26.7	4.32	36.5	27.4	4.28
122	18.7	18.3	3.02	22.8	19.6	3.50	24.3	21.5	3.54	25.6	21.8	3.57	27.1	20.8	3.60	28.2	22.5	3.63	28.9	23.1	3.60

Heating TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	22.2	4.05	22.0	4.11	21.8	4.20	21.6	4.25	21.4	4.30	21.2	4.33
-4	26.6	4.42	26.3	4.49	26.1	4.58	25.8	4.63	25.5	4.69	25.3	4.72
5	31.0	4.72	30.7	4.80	30.4	4.90	30.1	4.95	29.8	5.01	29.5	5.05
14	37.1	5.32	36.8	5.40	36.4	5.35	36.1	5.43	35.7	5.46	35.3	5.35
32	35.0	3.45	34.7	3.60	34.4	3.79	34.0	3.82	33.7	3.82	33.3	3.91
47	38.2	3.44	37.8	3.54	37.4	3.66	36.0	3.63	34.9	3.63	34.2	3.46
75	47.1	3.48	44.0	3.26	40.8	2.97	38.9	2.81	36.6	2.71	33.8	2.56

 NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

AHU

- 7AH1AV48PX (Allied) + CCG48UDF (AC048FCUDCG/AA)

Cooling TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	32.9	29.9	2.25	42.9	33.0	2.93	50.5	38.5	3.57	58.7	41.1	4.32	63.4	40.4	4.58	65.7	42.8	4.66	69.3	44.1	4.73
70	32.1	29.3	2.09	41.9	32.3	2.70	49.4	37.7	3.29	57.4	40.2	3.97	62.0	39.5	4.21	64.3	41.9	4.28	67.7	43.1	4.35
95	24.4	22.4	2.48	30.8	24.6	3.08	38.6	29.8	3.94	46.0	32.2	4.84	51.5	32.1	5.48	52.9	34.1	5.57	55.7	35.1	5.66
115	31.7	29.1	4.48	38.6	31.2	5.20	41.2	34.3	5.24	43.4	34.7	5.29	46.0	33.1	5.34	47.7	35.9	5.38	49.0	36.9	5.34
122	25.0	24.5	3.61	30.5	26.2	4.17	32.6	28.8	4.20	34.3	29.2	4.24	36.4	27.8	4.28	37.7	30.1	4.31	38.8	31.0	4.28

Heating TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	29.8	4.30	29.5	4.37	29.2	4.45	28.9	4.50	28.6	4.55	28.3	4.58
-4	34.7	4.85	34.4	4.93	34.0	5.03	33.7	5.08	33.4	5.13	33.0	5.17
5	44.1	5.99	43.7	6.09	43.2	6.21	42.8	6.28	42.4	6.35	41.9	6.39
14	51.9	6.95	51.4	7.05	50.9	6.99	50.4	7.09	49.9	7.14	49.4	6.99
32	52.7	4.92	52.2	5.12	51.7	5.39	51.2	5.43	50.7	5.44	50.2	5.56
47	50.9	4.30	50.4	4.43	49.9	4.57	48.0	4.53	46.6	4.53	45.6	4.32
75	74.2	5.27	69.3	4.93	64.4	4.51	61.3	4.27	57.6	4.11	53.3	3.89

 NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

AHU

- 7AH2AV48PXC71 (Allied) + CCG60UDF (AC060FCUDCG/AA)

Cooling TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	33.8	33.0	3.13	44.1	36.4	4.03	51.9	42.5	4.88	60.4	45.3	5.88	65.2	44.5	6.23	67.6	47.2	6.33	71.3	48.6	6.43
70	31.2	30.4	2.37	40.7	33.5	2.97	47.9	39.2	3.54	55.7	41.8	4.20	60.2	41.1	4.43	62.4	43.5	4.50	65.7	44.9	4.57
95	28.6	28.1	3.04	36.2	30.9	3.71	45.4	37.4	4.67	54.0	40.5	5.68	60.5	40.4	6.40	62.1	42.8	6.50	65.3	44.1	6.59
115	35.6	32.8	5.70	43.4	35.1	6.57	46.4	38.6	6.63	48.8	39.0	6.69	51.7	37.2	6.75	53.7	40.4	6.81	55.1	41.5	6.75
122	28.0	28.0	4.76	34.2	31.1	5.47	36.5	34.1	5.51	38.4	34.6	5.56	40.7	33.0	5.61	42.2	35.7	5.65	43.4	36.7	5.61

Heating TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	34.8	5.34	34.5	5.41	34.1	5.51	33.8	5.57	33.5	5.63	33.1	5.66
-4	40.6	5.92	40.2	6.00	39.8	6.12	39.4	6.18	39.0	6.24	38.6	6.29
5	46.4	6.31	45.9	6.41	45.5	6.53	45.0	6.60	44.6	6.67	44.1	6.71
14	51.4	6.81	50.9	6.90	50.4	6.85	49.9	6.94	49.4	6.98	48.9	6.85
32	50.8	4.69	50.3	4.87	49.8	5.10	49.3	5.14	48.8	5.15	48.3	5.25
47	59.4	5.20	58.8	5.35	58.2	5.51	56.0	5.47	54.3	5.47	53.2	5.23
75	85.7	7.13	80.0	6.68	74.3	6.13	70.8	5.81	66.6	5.60	61.6	5.31

 NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

AHU

• 7AH2AV24PXC** (Allied) + CCG24UPF (AC024FCUPCG/AA)

Cooling TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	10.1	9.2	0.35	13.1	10.1	0.37	15.5	11.8	0.38	18.0	12.6	0.40	19.4	12.4	0.41	20.2	13.1	0.41	21.2	13.5	0.41
70	17.5	15.9	0.89	22.8	17.5	1.12	26.8	20.5	1.34	31.2	21.8	1.60	33.7	21.5	1.69	34.9	22.7	1.72	36.8	23.5	1.74
95	12.7	11.7	1.07	16.1	12.8	1.31	20.2	15.5	1.65	24.0	16.8	2.00	26.9	16.7	2.25	27.6	17.8	2.29	29.0	18.3	2.32
115	20.1	18.5	2.63	24.6	19.8	3.04	26.2	21.8	3.07	27.6	22.1	3.10	29.3	21.1	3.13	30.4	22.8	3.16	31.2	23.5	3.13
126	14.0	13.7	2.04	17.1	14.7	2.36	18.2	16.1	2.38	19.2	16.3	2.40	20.4	15.6	2.42	21.1	16.9	2.44	21.7	17.3	2.42

Heating TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	19.3	2.88	19.1	2.92	18.9	2.98	18.8	3.01	18.6	3.04	18.4	3.06
-4	27.0	4.00	26.8	4.06	26.5	4.15	26.3	4.19	26.0	4.24	25.7	4.27
5	32.2	4.51	31.9	4.58	31.6	4.68	31.3	4.73	30.9	4.78	30.6	4.82
14	34.8	4.74	34.4	4.81	34.1	4.77	33.8	4.84	33.4	4.87	33.1	4.77
32	33.5	3.11	33.2	3.24	32.8	3.41	32.5	3.44	32.2	3.45	31.9	3.52
47	26.5	2.04	26.3	2.10	26.0	2.17	25.0	2.15	24.3	2.15	23.8	2.05
75	42.4	2.64	39.6	2.48	36.8	2.27	35.0	2.15	32.9	2.07	30.5	1.96

NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

AHU

- 7AH2AV36PXC** (Allied) + CCG36UPF (AC036FCUPCG/AA)

Cooling TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	18.1	16.5	0.71	23.7	18.2	0.87	27.9	21.3	1.02	32.4	22.7	1.20	35.0	22.3	1.26	36.3	23.6	1.28	38.2	24.4	1.30
70	24.2	22.0	1.45	31.5	24.3	1.91	37.2	28.3	2.34	43.2	30.2	2.85	46.7	29.7	3.03	48.4	31.5	3.08	51.0	32.5	3.13
95	19.1	17.5	1.52	24.1	19.2	1.90	30.2	23.3	2.44	36.0	25.2	3.00	40.3	25.1	3.40	41.4	26.7	3.46	43.6	27.4	3.51
115	29.4	27.1	3.79	35.9	29.0	4.42	38.3	31.9	4.46	40.3	32.3	4.50	42.7	30.8	4.54	44.4	33.4	4.58	45.6	34.3	4.54
126	21.0	20.6	3.04	25.6	22.0	3.53	27.4	24.2	3.57	28.8	24.5	3.60	30.5	23.4	3.63	31.7	25.3	3.67	32.5	26.0	3.63

Heating TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	27.8	4.43	27.5	4.50	27.3	4.60	27.0	4.65	26.7	4.70	26.5	4.74
-4	40.8	6.20	40.4	6.30	40.0	6.44	39.6	6.51	39.2	6.58	38.8	6.63
5	46.4	6.35	45.9	6.45	45.5	6.59	45.0	6.67	44.6	6.74	44.1	6.79
14	44.5	5.31	44.1	5.39	43.6	5.35	43.2	5.43	42.8	5.46	42.3	5.35
32	37.1	2.95	36.7	3.07	36.4	3.23	36.0	3.26	35.6	3.26	35.3	3.33
47	38.2	2.94	37.8	3.03	37.4	3.13	36.0	3.10	34.9	3.10	34.2	2.95
75	50.1	3.06	46.8	2.86	43.5	2.62	41.4	2.48	38.9	2.39	36.0	2.26

NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

AHU

- 7AH2AV60PXC** (Allied) + CCG48UPF (AC048FCUPCG/AA)

Cooling TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	23.7	21.6	0.94	30.9	23.8	1.19	36.4	27.8	1.43	42.3	29.6	1.71	45.7	29.1	1.81	47.4	30.8	1.83	49.9	31.8	1.86
70	34.2	31.1	2.48	44.6	34.3	3.34	52.5	40.1	4.16	61.1	42.8	5.12	66.0	42.0	5.46	68.4	44.5	5.56	72.1	45.9	5.65
95	24.9	22.8	2.09	31.5	25.1	2.65	39.5	30.4	3.44	47.0	32.9	4.27	52.6	32.8	4.86	54.1	34.8	4.94	56.9	35.8	5.02
115	32.6	30.0	4.31	39.7	32.1	5.03	42.4	35.3	5.08	44.7	35.7	5.12	47.3	34.1	5.17	49.1	36.9	5.22	50.5	37.9	5.17
122	27.4	26.8	3.77	33.5	28.7	4.40	35.7	31.6	4.44	37.6	32.0	4.48	39.9	30.5	4.53	41.4	33.0	4.57	42.5	33.9	4.53

Heating TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	34.6	4.81	34.3	4.89	33.9	4.99	33.6	5.05	33.3	5.11	32.9	5.14
-4	42.0	6.06	41.6	6.16	41.2	6.29	40.8	6.37	40.4	6.44	40.0	6.49
5	44.5	6.90	44.1	7.01	43.6	7.16	43.2	7.24	42.8	7.33	42.3	7.38
14	51.9	7.52	51.4	7.64	50.9	7.57	50.4	7.68	49.9	7.73	49.4	7.57
32	47.0	3.96	46.5	4.13	46.1	4.35	45.6	4.39	45.1	4.40	44.7	4.50
47	50.9	4.15	50.4	4.28	49.9	4.43	48.0	4.39	46.6	4.39	45.6	4.18
75	81.3	5.76	75.9	5.37	70.6	4.88	67.2	4.61	63.2	4.43	58.5	4.17

NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

AHU

- 7AH2AV60PXC** (Allied) + CCG60UPF (AC060FCUPCG/AA)

Cooling TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	27.7	25.2	1.13	36.1	27.8	1.46	42.6	32.5	1.77	49.5	34.7	2.13	53.5	34.1	2.26	55.4	36.1	2.30	58.4	37.2	2.33
70	37.0	33.6	2.33	48.2	37.1	3.14	56.8	43.3	3.90	66.0	46.2	4.80	71.3	45.4	5.11	73.9	48.1	5.20	77.9	49.6	5.29
95	29.2	26.7	2.57	36.9	29.4	3.27	46.2	35.6	4.28	55.0	38.5	5.33	61.6	38.4	6.08	63.3	40.7	6.18	66.6	41.9	6.28
115	36.1	33.2	4.70	44.1	35.6	5.49	47.0	39.1	5.54	49.5	39.6	5.60	52.5	37.8	5.65	54.5	40.9	5.70	55.9	42.1	5.65
122	30.1	29.4	4.26	36.7	31.5	4.97	39.2	34.6	5.02	41.3	35.1	5.06	43.7	33.4	5.11	45.4	36.3	5.16	46.6	37.2	5.11

Heating TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	40.4	5.85	40.0	5.95	39.6	6.07	39.2	6.14	38.8	6.21	38.4	6.26
-4	43.3	6.10	42.8	6.19	42.4	6.33	42.0	6.40	41.6	6.47	41.2	6.52
5	49.0	6.34	48.6	6.44	48.1	6.58	47.6	6.66	47.1	6.73	46.6	6.78
14	57.7	7.52	57.1	7.64	56.6	7.57	56.0	7.68	55.4	7.73	54.9	7.57
32	54.8	4.84	54.3	5.06	53.7	5.33	53.2	5.38	52.7	5.39	52.1	5.51
47	59.4	4.84	58.8	4.99	58.2	5.16	56.0	5.12	54.3	5.12	53.2	4.87
75	88.1	6.41	82.3	5.97	76.4	5.43	72.8	5.12	68.4	4.92	63.3	4.63

NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

A-Coil

- HG33A36D175B1801R (ADP) + CCG24UDF (AC024FCUDCG/AA)

Cooling TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	14.4	13.1	1.29	18.7	14.4	1.71	22.0	16.8	2.10	25.6	17.9	2.56	27.7	17.6	2.72	28.7	18.7	2.76	30.3	19.3	2.81
70	15.1	13.7	1.11	19.7	15.1	1.45	23.2	17.7	1.77	26.9	18.8	2.15	29.1	18.5	2.28	30.2	19.6	2.32	31.8	20.2	2.35
95	12.2	11.2	1.13	15.4	12.3	1.40	19.3	14.9	1.78	23.0	16.1	2.19	25.8	16.0	2.48	26.5	17.0	2.52	27.8	17.5	2.56
115	16.0	14.7	2.09	19.4	15.7	2.42	20.8	17.3	2.44	21.9	17.5	2.47	23.2	16.7	2.49	24.0	18.1	2.51	24.7	18.6	2.49
122	12.6	12.4	1.77	15.4	13.2	2.04	16.5	14.5	2.06	17.3	14.7	2.07	18.4	14.0	2.09	19.0	15.2	2.11	19.6	15.6	2.09

Heating TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	15.5	2.73	15.3	2.77	15.2	2.82	15.0	2.86	14.9	2.89	14.7	2.91
-4	18.5	2.97	18.3	3.02	18.1	3.08	17.9	3.11	17.7	3.15	17.6	3.17
5	21.5	3.18	21.3	3.23	21.1	3.29	20.9	3.33	20.7	3.37	20.5	3.39
14	25.8	3.57	25.5	3.63	25.3	3.60	25.0	3.65	24.8	3.67	24.5	3.60
32	24.3	2.32	24.1	2.42	23.9	2.55	23.6	2.57	23.4	2.57	23.1	2.63
47	26.5	2.31	26.3	2.38	26.0	2.46	25.0	2.44	24.3	2.44	23.8	2.33
75	32.7	2.33	30.5	2.18	28.4	2.00	27.0	1.89	25.4	1.82	23.5	1.72

 NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

A-Coil

- HG35A36D175B2205R (ADP) + CCG36UDF (AC036FCUDCG/AA)

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	20.6	18.7	1.99	26.9	20.7	2.67	31.6	24.1	3.30	36.8	25.7	4.05	39.7	25.3	4.32	41.2	26.8	4.39	43.4	27.7	4.46
70	21.6	19.7	1.70	28.2	21.7	2.26	33.2	25.3	2.78	38.6	27.0	3.40	41.7	26.6	3.62	43.3	28.2	3.68	45.6	29.0	3.74
95	17.5	16.0	1.73	22.1	17.6	2.17	27.7	21.3	2.81	33.0	23.1	3.47	37.0	23.0	3.94	38.0	24.4	4.01	39.9	25.2	4.07
115	22.9	21.1	3.30	27.9	22.5	3.84	29.8	24.8	3.87	31.4	25.1	3.91	33.2	23.9	3.94	34.5	25.9	3.98	35.4	26.6	3.94
122	18.1	17.7	2.78	22.1	19.0	3.23	23.6	20.9	3.26	24.8	21.1	3.29	26.3	20.1	3.32	27.3	21.8	3.34	28.1	22.4	3.32

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	21.0	3.47	20.8	3.53	20.6	3.60	20.4	3.64	20.2	3.68	20.0	3.71
-4	25.1	3.79	24.9	3.85	24.6	3.93	24.4	3.97	24.1	4.01	23.9	4.04
5	29.3	4.05	29.0	4.11	28.7	4.20	28.4	4.24	28.1	4.29	27.9	4.32
14	35.1	4.56	34.7	4.62	34.4	4.59	34.0	4.65	33.7	4.68	33.4	4.59
32	33.1	2.96	32.8	3.08	32.4	3.24	32.1	3.27	31.8	3.28	31.5	3.35
47	36.0	2.95	35.7	3.04	35.4	3.14	34.0	3.11	33.0	3.11	32.3	2.96
75	44.5	2.97	41.5	2.78	38.6	2.54	36.7	2.41	34.5	2.32	32.0	2.20

NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

A-Coil

- HG48A60D210B2705R (ADP) + CCG48UDF (AC048FCUDCG/AA)

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	32.2	29.3	2.20	41.9	32.3	2.86	49.4	37.7	3.49	57.4	40.2	4.22	62.0	39.5	4.48	64.3	41.9	4.55	67.8	43.2	4.63
70	31.4	28.6	2.05	41.0	31.6	2.65	48.3	36.8	3.21	56.2	39.3	3.88	60.6	38.6	4.11	62.9	40.9	4.18	66.3	42.2	4.25
95	23.9	21.9	2.43	30.2	24.1	3.02	37.8	29.1	3.85	45.0	31.5	4.73	50.4	31.4	5.36	51.8	33.3	5.44	54.5	34.3	5.52
115	31.0	28.5	4.38	37.8	30.5	5.08	40.3	33.6	5.12	42.5	34.0	5.17	45.0	32.4	5.22	46.7	35.1	5.26	48.0	36.1	5.22
122	24.5	23.9	3.53	29.9	25.6	4.07	31.9	28.2	4.11	33.6	28.5	4.14	35.6	27.2	4.18	36.9	29.5	4.22	37.9	30.3	4.18

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	29.8	4.30	29.5	4.37	29.2	4.45	28.9	4.50	28.6	4.55	28.3	4.58
-4	34.7	4.85	34.4	4.93	34.0	5.03	33.7	5.08	33.4	5.13	33.0	5.17
5	44.1	5.99	43.7	6.09	43.2	6.21	42.8	6.28	42.4	6.35	41.9	6.39
14	51.9	6.95	51.4	7.05	50.9	6.99	50.4	7.09	49.9	7.14	49.4	6.99
32	52.7	4.92	52.2	5.12	51.7	5.39	51.2	5.43	50.7	5.44	50.2	5.56
47	50.9	4.30	50.4	4.43	49.9	4.57	48.0	4.53	46.6	4.53	45.6	4.32
75	74.2	5.27	69.3	4.93	64.4	4.51	61.3	4.27	57.6	4.11	53.3	3.89

NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

A-Coil

- HG48A60D210B2705R (ADP) + CCG60UDF (AC060FCUDCG/AA)

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	33.2	32.4	3.27	43.3	35.7	4.23	51.0	41.7	5.13	59.3	44.5	6.20	64.0	43.7	6.57	66.4	46.3	6.67	70.0	47.7	6.78
70	30.6	29.8	2.48	39.9	32.9	3.11	47.0	38.4	3.72	54.7	41.0	4.43	59.0	40.3	4.67	61.2	42.7	4.74	64.5	44.0	4.82
95	28.1	27.6	3.04	35.5	30.4	3.72	44.5	36.7	4.68	53.0	39.8	5.69	59.4	39.6	6.41	61.0	42.1	6.51	64.1	43.3	6.60
115	35.0	32.2	6.00	42.6	34.4	6.93	45.5	37.9	6.99	47.9	38.3	7.05	50.8	36.6	7.11	52.7	39.6	7.17	54.1	40.7	7.11
122	27.5	27.5	5.01	33.5	30.5	5.76	35.8	33.5	5.81	37.7	33.9	5.86	40.0	32.4	5.91	41.5	35.1	5.96	42.6	36.0	5.91

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	34.8	5.00	34.5	5.07	34.1	5.16	33.8	5.21	33.5	5.27	33.1	5.30
-4	40.6	5.54	40.2	5.62	39.8	5.73	39.4	5.78	39.0	5.84	38.6	5.88
5	46.4	5.91	45.9	6.00	45.5	6.11	45.0	6.18	44.6	6.24	44.1	6.28
14	51.4	6.37	50.9	6.46	50.4	6.41	49.9	6.50	49.4	6.54	48.9	6.41
32	50.8	4.40	50.3	4.56	49.8	4.78	49.3	4.81	48.8	4.82	48.3	4.91
47	59.4	4.87	58.8	5.01	58.2	5.16	56.0	5.12	54.3	5.12	53.2	4.90
75	85.7	6.66	80.0	6.25	74.3	5.73	70.8	5.44	66.6	5.25	61.6	4.97

NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

A-Coil

• HG35A36D175B2205R (ADP) + CCG24UPF (AC024FCUPCG/AA)

Cooling TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	10.1	9.2	0.36	13.1	10.1	0.37	15.5	11.8	0.39	18.0	12.6	0.41	19.4	12.4	0.42	20.2	13.1	0.42	21.2	13.5	0.42
70	17.5	15.9	0.91	22.8	17.5	1.15	26.8	20.5	1.37	31.2	21.8	1.64	33.7	21.5	1.73	34.9	22.7	1.76	36.8	23.5	1.79
95	12.7	11.7	1.09	16.1	12.8	1.34	20.2	15.5	1.68	24.0	16.8	2.05	26.9	16.7	2.31	27.6	17.8	2.35	29.0	18.3	2.38
115	20.1	18.5	2.69	24.6	19.8	3.12	26.2	21.8	3.15	27.6	22.1	3.18	29.3	21.1	3.21	30.4	22.8	3.23	31.2	23.5	3.21
126	14.0	13.7	2.09	17.1	14.7	2.42	18.2	16.1	2.44	19.2	16.3	2.46	20.4	15.6	2.48	21.1	16.9	2.50	21.7	17.3	2.48

Heating TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	19.3	2.88	19.1	2.92	18.9	2.98	18.8	3.01	18.6	3.04	18.4	3.06
-4	27.0	4.00	26.8	4.06	26.5	4.15	26.3	4.19	26.0	4.24	25.7	4.27
5	32.2	4.51	31.9	4.58	31.6	4.68	31.3	4.73	30.9	4.78	30.6	4.82
14	34.8	4.74	34.4	4.81	34.1	4.77	33.8	4.84	33.4	4.87	33.1	4.77
32	33.5	3.11	33.2	3.24	32.8	3.41	32.5	3.44	32.2	3.45	31.9	3.52
47	26.5	2.04	26.3	2.10	26.0	2.17	25.0	2.15	24.3	2.15	23.8	2.05
75	42.4	2.64	39.6	2.48	36.8	2.27	35.0	2.15	32.9	2.07	30.5	1.96

NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

A-Coil

- HG48A60D210B2705R (ADP) + CCG36UPF (AC036FCUPCG/AA)

Cooling TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	17.1	15.6	0.70	22.3	17.2	0.86	26.3	20.1	1.01	30.6	21.4	1.18	33.0	21.1	1.24	34.3	22.3	1.26	36.1	23.0	1.28
70	22.8	20.8	1.43	29.8	22.9	1.88	35.1	26.8	2.30	40.8	28.6	2.80	44.1	28.1	2.98	45.7	29.7	3.03	48.1	30.7	3.08
95	18.0	16.5	1.50	22.8	18.2	1.87	28.6	22.0	2.40	34.0	23.8	2.95	38.1	23.7	3.35	39.1	25.2	3.40	41.1	25.9	3.45
115	27.8	25.6	3.73	33.9	27.4	4.34	36.2	30.1	4.38	38.1	30.5	4.43	40.4	29.1	4.47	41.9	31.5	4.51	43.0	32.4	4.47
126	19.9	19.4	2.99	24.2	20.8	3.48	25.8	22.8	3.51	27.2	23.1	3.54	28.8	22.1	3.57	29.9	23.9	3.60	30.7	24.6	3.57

Heating TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	27.0	4.30	26.8	4.37	26.5	4.46	26.3	4.52	26.0	4.57	25.7	4.60
-4	39.7	6.02	39.3	6.12	38.9	6.25	38.5	6.32	38.1	6.39	37.7	6.44
5	45.1	6.16	44.6	6.26	44.2	6.40	43.8	6.47	43.3	6.55	42.9	6.59
14	43.3	5.16	42.8	5.24	42.4	5.19	42.0	5.27	41.6	5.30	41.2	5.19
32	36.1	2.86	35.7	2.98	35.4	3.13	35.0	3.16	34.7	3.17	34.3	3.23
47	37.1	2.85	36.8	2.94	36.4	3.03	35.0	3.01	34.0	3.01	33.3	2.87
75	48.7	2.97	45.5	2.78	42.3	2.54	40.3	2.41	37.8	2.32	35.0	2.19

NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

A-Coil

- HG50A60D210B2705R (ADP) + CCG48UPF (AC048FCUPCG/AA)

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	22.7	20.6	0.91	29.6	22.8	1.15	34.8	26.6	1.38	40.5	28.4	1.65	43.7	27.9	1.74	45.4	29.5	1.77	47.8	30.4	1.80
70	32.8	29.8	2.40	42.7	32.9	3.23	50.3	38.4	4.02	58.5	41.0	4.94	63.2	40.2	5.27	65.5	42.7	5.36	69.0	44.0	5.45
95	23.9	21.9	2.02	30.2	24.1	2.56	37.8	29.1	3.32	45.0	31.5	4.12	50.4	31.4	4.69	51.8	33.3	4.77	54.5	34.3	4.84
115	31.2	28.7	4.16	38.0	30.7	4.85	40.6	33.8	4.90	42.8	34.2	4.94	45.3	32.6	4.99	47.0	35.4	5.04	48.3	36.3	4.99
122	26.3	25.7	3.64	32.0	27.5	4.25	34.2	30.2	4.29	36.0	30.6	4.33	38.2	29.2	4.37	39.6	31.6	4.41	40.7	32.5	4.37

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	34.6	4.53	34.3	4.60	33.9	4.70	33.6	4.75	33.3	4.80	32.9	4.84
-4	42.0	5.70	41.6	5.80	41.2	5.92	40.8	5.99	40.4	6.06	40.0	6.10
5	44.5	6.49	44.1	6.59	43.6	6.74	43.2	6.81	42.8	6.89	42.3	6.94
14	51.9	7.08	51.4	7.19	50.9	7.12	50.4	7.23	49.9	7.28	49.4	7.12
32	47.0	3.73	46.5	3.89	46.1	4.10	45.6	4.13	45.1	4.14	44.7	4.23
47	50.9	3.91	50.4	4.03	49.9	4.16	48.0	4.13	46.6	4.13	45.6	3.93
75	81.3	5.42	75.9	5.05	70.6	4.59	67.2	4.34	63.2	4.17	58.5	3.93

NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

A-Coil

- HG50A60D210B2705R (ADP) + CCG60UPF (AC060FCUPCG/AA)

Cooling TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	26.7	24.3	1.15	34.8	26.8	1.49	41.0	31.3	1.81	47.7	33.4	2.18	51.5	32.8	2.32	53.4	34.8	2.35	56.3	35.9	2.39
70	35.6	32.4	2.38	46.4	35.7	3.21	54.7	41.7	3.99	63.6	44.5	4.91	68.7	43.8	5.24	71.2	46.4	5.33	75.0	47.8	5.42
95	28.1	25.8	2.63	35.5	28.3	3.35	44.5	34.3	4.38	53.0	37.1	5.46	59.4	37.0	6.23	61.0	39.3	6.34	64.1	40.4	6.44
115	34.8	32.0	4.81	42.5	34.3	5.62	45.3	37.7	5.68	47.7	38.2	5.73	50.6	36.4	5.79	52.5	39.5	5.84	53.9	40.5	5.79
122	29.0	28.4	4.36	35.4	30.4	5.09	37.8	33.4	5.14	39.8	33.8	5.19	42.1	32.2	5.24	43.7	34.9	5.28	44.9	35.9	5.24

Heating TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	39.7	6.14	39.3	6.24	38.9	6.37	38.5	6.44	38.1	6.52	37.7	6.57
-4	42.5	6.39	42.1	6.49	41.7	6.64	41.3	6.71	40.8	6.79	40.4	6.84
5	48.2	6.65	47.7	6.75	47.2	6.90	46.8	6.98	46.3	7.06	45.8	7.11
14	56.7	7.88	56.1	8.01	55.6	7.94	55.0	8.06	54.5	8.11	53.9	7.94
32	53.8	5.08	53.3	5.30	52.8	5.59	52.3	5.64	51.7	5.65	51.2	5.78
47	58.3	5.08	57.8	5.24	57.2	5.42	55.0	5.37	53.4	5.38	52.3	5.11
75	86.5	6.73	80.8	6.27	75.1	5.69	71.5	5.37	67.2	5.16	62.2	4.85

NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

A-Coil

- 7EC24BX-71 (Allied) + CCG24UDF (AC024FCUDCG/AA)

Cooling TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	14.4	13.1	1.29	18.7	14.4	1.71	22.0	16.8	2.10	25.6	17.9	2.56	27.7	17.6	2.72	28.7	18.7	2.76	30.3	19.3	2.81
70	15.1	13.7	1.11	19.7	15.1	1.45	23.2	17.7	1.77	26.9	18.8	2.15	29.1	18.5	2.28	30.2	19.6	2.32	31.8	20.2	2.35
95	12.2	11.2	1.13	15.4	12.3	1.40	19.3	14.9	1.78	23.0	16.1	2.19	25.8	16.0	2.48	26.5	17.0	2.52	27.8	17.5	2.56
115	16.0	14.7	2.09	19.4	15.7	2.42	20.8	17.3	2.44	21.9	17.5	2.47	23.2	16.7	2.49	24.0	18.1	2.51	24.7	18.6	2.49
122	12.6	12.4	1.77	15.4	13.2	2.04	16.5	14.5	2.06	17.3	14.7	2.07	18.4	14.0	2.09	19.0	15.2	2.11	19.6	15.6	2.09

Heating TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	15.5	2.73	15.3	2.77	15.2	2.82	15.0	2.86	14.9	2.89	14.7	2.91
-4	18.5	2.97	18.3	3.02	18.1	3.08	17.9	3.11	17.7	3.15	17.6	3.17
5	21.5	3.18	21.3	3.23	21.1	3.29	20.9	3.33	20.7	3.37	20.5	3.39
14	25.8	3.57	25.5	3.63	25.3	3.60	25.0	3.65	24.8	3.67	24.5	3.60
32	24.3	2.32	24.1	2.42	23.9	2.55	23.6	2.57	23.4	2.57	23.1	2.63
47	26.5	2.31	26.3	2.38	26.0	2.46	25.0	2.44	24.3	2.44	23.8	2.33
75	32.7	2.33	30.5	2.18	28.4	2.00	27.0	1.89	25.4	1.82	23.5	1.72

 NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

A-Coil

- 7EC36BX-71 (Allied) + CCG36UDF (AC036FCUDCG/AA)

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	20.6	18.7	1.99	26.9	20.7	2.67	31.6	24.1	3.30	36.8	25.7	4.05	39.7	25.3	4.32	41.2	26.8	4.39	43.4	27.7	4.46
70	21.6	19.7	1.70	28.2	21.7	2.26	33.2	25.3	2.78	38.6	27.0	3.40	41.7	26.6	3.62	43.3	28.2	3.68	45.6	29.0	3.74
95	17.5	16.0	1.73	22.1	17.6	2.17	27.7	21.3	2.81	33.0	23.1	3.47	37.0	23.0	3.94	38.0	24.4	4.01	39.9	25.2	4.07
115	22.9	21.1	3.30	27.9	22.5	3.84	29.8	24.8	3.87	31.4	25.1	3.91	33.2	23.9	3.94	34.5	25.9	3.98	35.4	26.6	3.94
122	18.1	17.7	2.78	22.1	19.0	3.23	23.6	20.9	3.26	24.8	21.1	3.29	26.3	20.1	3.32	27.3	21.8	3.34	28.1	22.4	3.32

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	21.0	3.71	20.8	3.76	20.6	3.84	20.4	3.89	20.2	3.93	20.0	3.96
-4	25.1	4.04	24.9	4.10	24.6	4.19	24.4	4.24	24.1	4.29	23.9	4.32
5	29.3	4.32	29.0	4.39	28.7	4.48	28.4	4.53	28.1	4.58	27.9	4.62
14	35.1	4.86	34.7	4.94	34.4	4.90	34.0	4.96	33.7	5.00	33.4	4.90
32	33.1	3.16	32.8	3.29	32.4	3.46	32.1	3.49	31.8	3.50	31.5	3.57
47	36.0	3.15	35.7	3.24	35.4	3.35	34.0	3.32	33.0	3.32	32.3	3.16
75	44.5	3.18	41.5	2.97	38.6	2.72	36.7	2.57	34.5	2.48	32.0	2.34

NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

A-Coil

- 7EC48BX-71 (Allied) + CCG48UDF (AC048FCUDCG/AA)

Cooling TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	32.2	29.3	2.20	41.9	32.3	2.86	49.4	37.7	3.49	57.4	40.2	4.22	62.0	39.5	4.48	64.3	41.9	4.55	67.8	43.2	4.63
70	31.4	28.6	2.05	41.0	31.6	2.65	48.3	36.8	3.21	56.2	39.3	3.88	60.6	38.6	4.11	62.9	40.9	4.18	66.3	42.2	4.25
95	23.9	21.9	2.43	30.2	24.1	3.02	37.8	29.1	3.85	45.0	31.5	4.73	50.4	31.4	5.36	51.8	33.3	5.44	54.5	34.3	5.52
115	31.0	28.5	4.38	37.8	30.5	5.08	40.3	33.6	5.12	42.5	34.0	5.17	45.0	32.4	5.22	46.7	35.1	5.26	48.0	36.1	5.22
122	24.5	23.9	3.53	29.9	25.6	4.07	31.9	28.2	4.11	33.6	28.5	4.14	35.6	27.2	4.18	36.9	29.5	4.22	37.9	30.3	4.18

Heating TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	29.8	4.44	29.5	4.51	29.2	4.60	28.9	4.65	28.6	4.70	28.3	4.73
-4	34.7	5.01	34.4	5.09	34.0	5.19	33.7	5.25	33.4	5.30	33.0	5.34
5	44.1	6.19	43.7	6.29	43.2	6.42	42.8	6.49	42.4	6.56	41.9	6.61
14	51.9	7.18	51.4	7.28	50.9	7.22	50.4	7.32	49.9	7.37	49.4	7.22
32	52.7	5.08	52.2	5.29	51.7	5.56	51.2	5.61	50.7	5.62	50.2	5.74
47	50.9	4.44	50.4	4.57	49.9	4.72	48.0	4.68	46.6	4.68	45.6	4.47
75	74.2	5.45	69.3	5.09	64.4	4.66	61.3	4.41	57.6	4.25	53.3	4.02

NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

A-Coil

- 7EC48BX-71 (Allied) + CCG60UDF (AC060FCUDCG/AA)

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	33.2	32.4	3.27	43.3	35.7	4.23	51.0	41.7	5.13	59.3	44.5	6.20	64.0	43.7	6.57	66.4	46.3	6.67	70.0	47.7	6.78
70	30.6	29.8	2.48	39.9	32.9	3.11	47.0	38.4	3.72	54.7	41.0	4.43	59.0	40.3	4.67	61.2	42.7	4.74	64.5	44.0	4.82
95	28.1	27.6	3.04	35.5	30.4	3.72	44.5	36.7	4.68	53.0	39.8	5.69	59.4	39.6	6.41	61.0	42.1	6.51	64.1	43.3	6.60
115	35.0	32.2	6.00	42.6	34.4	6.93	45.5	37.9	6.99	47.9	38.3	7.05	50.8	36.6	7.11	52.7	39.6	7.17	54.1	40.7	7.11
122	27.5	27.5	5.01	33.5	30.5	5.76	35.8	33.5	5.81	37.7	33.9	5.86	40.0	32.4	5.91	41.5	35.1	5.96	42.6	36.0	5.91

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	34.2	5.41	33.9	5.49	33.5	5.59	33.2	5.65	32.9	5.71	32.5	5.75
-4	39.9	6.00	39.5	6.09	39.1	6.21	38.7	6.27	38.3	6.34	37.9	6.38
5	45.5	6.41	45.1	6.50	44.6	6.63	44.2	6.70	43.8	6.77	43.3	6.81
14	50.5	6.91	50.0	7.00	49.5	6.95	49.0	7.04	48.5	7.08	48.0	6.95
32	49.9	4.76	49.4	4.94	48.9	5.18	48.4	5.22	47.9	5.22	47.5	5.33
47	58.3	5.28	57.8	5.43	57.2	5.59	55.0	5.55	53.4	5.55	52.3	5.31
75	84.1	7.24	78.6	6.78	73.0	6.22	69.5	5.89	65.4	5.68	60.5	5.38

NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

A-Coil

- 7E[C,U]24AX-**-TDR (Allied) + CCG24UPF (AC024FCUPCG/AA)

Cooling TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	9.7	8.8	0.35	12.6	9.7	0.36	14.8	11.3	0.38	17.3	12.1	0.39	18.6	11.9	0.40	19.3	12.6	0.40	20.4	13.0	0.40
70	14.8	13.5	0.79	19.3	14.9	0.98	22.7	17.4	1.16	26.5	18.5	1.37	28.6	18.2	1.45	29.6	19.3	1.47	31.2	19.9	1.49
95	12.2	11.2	1.05	15.4	12.3	1.28	19.3	14.9	1.61	23.0	16.1	1.96	25.8	16.0	2.21	26.5	17.0	2.24	27.8	17.5	2.27
115	17.6	16.2	2.33	21.5	17.4	2.70	22.9	19.1	2.72	24.2	19.3	2.74	25.6	18.4	2.77	26.6	20.0	2.79	27.3	20.5	2.77
126	12.6	12.3	1.84	15.4	13.2	2.12	16.4	14.5	2.14	17.3	14.7	2.16	18.3	14.0	2.17	19.0	15.2	2.19	19.5	15.6	2.17

Heating TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	19.3	3.10	19.1	3.15	18.9	3.21	18.8	3.25	18.6	3.28	18.4	3.30
-4	26.4	3.88	26.1	3.94	25.9	4.03	25.6	4.07	25.4	4.12	25.1	4.15
5	29.2	4.11	28.9	4.17	28.7	4.26	28.4	4.31	28.1	4.35	27.8	4.39
14	30.9	4.22	30.6	4.28	30.3	4.25	30.0	4.31	29.7	4.33	29.4	4.25
32	29.9	2.83	29.6	2.95	29.3	3.10	29.0	3.13	28.7	3.13	28.4	3.20
47	26.5	2.24	26.3	2.31	26.0	2.38	25.0	2.36	24.3	2.36	23.8	2.25
75	37.8	2.54	35.3	2.38	32.8	2.18	31.3	2.07	29.4	1.99	27.2	1.89

NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

A-Coil

- 7E[C,U]48BX-**-TDR (Allied) + CCG36UPF (AC036FCUPCG/AA)

Cooling TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	17.1	15.6	0.72	22.3	17.2	0.88	26.3	20.1	1.03	30.6	21.4	1.21	33.0	21.1	1.28	34.3	22.3	1.29	36.1	23.0	1.31
70	22.8	20.8	1.47	29.8	22.9	1.93	35.1	26.8	2.36	40.8	28.6	2.88	44.1	28.1	3.06	45.7	29.7	3.11	48.1	30.7	3.16
95	18.0	16.5	1.53	22.8	18.2	1.91	28.6	22.0	2.46	34.0	23.8	3.03	38.1	23.7	3.44	39.1	25.2	3.49	41.1	25.9	3.55
115	27.8	25.6	3.83	33.9	27.4	4.46	36.2	30.1	4.50	38.1	30.5	4.55	40.4	29.1	4.59	41.9	31.5	4.63	43.0	32.4	4.59
126	19.9	19.4	3.07	24.2	20.8	3.57	25.8	22.8	3.60	27.2	23.1	3.64	28.8	22.1	3.67	29.9	23.9	3.70	30.7	24.6	3.67

Heating TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	27.0	4.58	26.8	4.65	26.5	4.75	26.3	4.80	26.0	4.85	25.7	4.89
-4	39.7	6.40	39.3	6.50	38.9	6.64	38.5	6.72	38.1	6.80	37.7	6.85
5	45.1	6.55	44.6	6.66	44.2	6.80	43.8	6.88	43.3	6.96	42.9	7.01
14	43.3	5.48	42.8	5.57	42.4	5.52	42.0	5.60	41.6	5.64	41.2	5.52
32	36.1	3.04	35.7	3.17	35.4	3.33	35.0	3.36	34.7	3.37	34.3	3.44
47	37.1	3.03	36.8	3.12	36.4	3.23	35.0	3.20	34.0	3.20	33.3	3.05
75	48.7	3.16	45.5	2.96	42.3	2.70	40.3	2.56	37.8	2.47	35.0	2.33

NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

A-Coil

- 7E[C,U]49CX-***+TDR (Allied) + CCG48UPF (AC048FCUPCG/AA)

Cooling TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	22.7	20.6	0.98	29.6	22.8	1.25	34.8	26.6	1.50	40.5	28.4	1.80	43.7	27.9	1.90	45.4	29.5	1.93	47.8	30.4	1.96
70	32.8	29.8	2.60	42.7	32.9	3.52	50.3	38.4	4.38	58.5	41.0	5.40	63.2	40.2	5.76	65.5	42.7	5.86	69.0	44.0	5.96
95	23.9	21.9	2.20	30.2	24.1	2.78	37.8	29.1	3.62	45.0	31.5	4.50	50.4	31.4	5.13	51.8	33.3	5.21	54.5	34.3	5.30
115	31.2	28.7	4.53	38.0	30.7	5.30	40.6	33.8	5.35	42.8	34.2	5.40	45.3	32.6	5.45	47.0	35.4	5.50	48.3	36.3	5.45
122	26.3	25.7	3.97	32.0	27.5	4.64	34.2	30.2	4.68	36.0	30.6	4.73	38.2	29.2	4.77	39.6	31.6	4.81	40.7	32.5	4.77

Heating TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	34.6	5.13	34.3	5.21	33.9	5.32	33.6	5.38	33.3	5.44	32.9	5.48
-4	42.0	6.46	41.6	6.57	41.2	6.71	40.8	6.79	40.4	6.86	40.0	6.92
5	44.5	7.35	44.1	7.47	43.6	7.63	43.2	7.72	42.8	7.81	42.3	7.87
14	51.9	8.02	51.4	8.14	50.9	8.07	50.4	8.19	49.9	8.25	49.4	8.07
32	47.0	4.22	46.5	4.40	46.1	4.64	45.6	4.68	45.1	4.69	44.7	4.79
47	50.9	4.43	50.4	4.57	49.9	4.72	48.0	4.68	46.6	4.68	45.6	4.45
75	81.3	6.15	75.9	5.73	70.6	5.21	67.2	4.91	63.2	4.72	58.5	4.44

 NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

A-Coil

- 7E[C,U]60CX-***+TDR (Allied) + CCG60UPF (AC060FCUPCG/AA)

Cooling TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	26.7	24.3	1.15	34.8	26.8	1.49	41.0	31.3	1.81	47.7	33.4	2.18	51.5	32.8	2.32	53.4	34.8	2.35	56.3	35.9	2.39
70	35.6	32.4	2.38	46.4	35.7	3.21	54.7	41.7	3.99	63.6	44.5	4.91	68.7	43.8	5.24	71.2	46.4	5.33	75.0	47.8	5.42
95	28.1	25.8	2.63	35.5	28.3	3.35	44.5	34.3	4.38	53.0	37.1	5.46	59.4	37.0	6.23	61.0	39.3	6.34	64.1	40.4	6.44
115	34.8	32.0	4.81	42.5	34.3	5.62	45.3	37.7	5.68	47.7	38.2	5.73	50.6	36.4	5.79	52.5	39.5	5.84	53.9	40.5	5.79
122	29.0	28.4	4.36	35.4	30.4	5.09	37.8	33.4	5.14	39.8	33.8	5.19	42.1	32.2	5.24	43.7	34.9	5.28	44.9	35.9	5.24

Heating TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	39.7	7.07	39.3	7.19	38.9	7.34	38.5	7.43	38.1	7.51	37.7	7.57
-4	42.5	7.37	42.1	7.48	41.7	7.65	41.3	7.74	40.8	7.83	40.4	7.89
5	48.2	7.66	47.7	7.78	47.2	7.95	46.8	8.05	46.3	8.14	45.8	8.20
14	56.7	9.09	56.1	9.23	55.6	9.15	55.0	9.29	54.5	9.35	53.9	9.15
32	53.8	5.85	53.3	6.11	52.8	6.44	52.3	6.50	51.7	6.51	51.2	6.66
47	58.3	5.85	57.8	6.04	57.2	6.24	55.0	6.19	53.4	6.20	52.3	5.88
75	86.5	7.77	80.8	7.23	75.1	6.57	71.5	6.19	67.2	5.94	62.2	5.59

NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

A-Coil

- 7EH36AX-71 (Allied) + CCG24UDF (AC024FCUDCG/AA)

Cooling TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	14.4	13.1	1.29	18.7	14.4	1.71	22.0	16.8	2.10	25.6	17.9	2.56	27.7	17.6	2.72	28.7	18.7	2.76	30.3	19.3	2.81
70	15.1	13.7	1.11	19.7	15.1	1.45	23.2	17.7	1.77	26.9	18.8	2.15	29.1	18.5	2.28	30.2	19.6	2.32	31.8	20.2	2.35
95	12.2	11.2	1.13	15.4	12.3	1.40	19.3	14.9	1.78	23.0	16.1	2.19	25.8	16.0	2.48	26.5	17.0	2.52	27.8	17.5	2.56
115	16.0	14.7	2.09	19.4	15.7	2.42	20.8	17.3	2.44	21.9	17.5	2.47	23.2	16.7	2.49	24.0	18.1	2.51	24.7	18.6	2.49
122	12.6	12.4	1.77	15.4	13.2	2.04	16.5	14.5	2.06	17.3	14.7	2.07	18.4	14.0	2.09	19.0	15.2	2.11	19.6	15.6	2.09

Heating TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	15.5	2.73	15.3	2.77	15.2	2.82	15.0	2.86	14.9	2.89	14.7	2.91
-4	18.5	2.97	18.3	3.02	18.1	3.08	17.9	3.11	17.7	3.15	17.6	3.17
5	21.5	3.18	21.3	3.23	21.1	3.29	20.9	3.33	20.7	3.37	20.5	3.39
14	25.8	3.57	25.5	3.63	25.3	3.60	25.0	3.65	24.8	3.67	24.5	3.60
32	24.3	2.32	24.1	2.42	23.9	2.55	23.6	2.57	23.4	2.57	23.1	2.63
47	26.5	2.31	26.3	2.38	26.0	2.46	25.0	2.44	24.3	2.44	23.8	2.33
75	32.7	2.33	30.5	2.18	28.4	2.00	27.0	1.89	25.4	1.82	23.5	1.72

 NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

A-Coil

- 7EH48CX-71 (Allied) + CCG36UDF (AC036FCUDCG/AA)

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	20.6	18.7	1.99	26.9	20.7	2.67	31.6	24.1	3.30	36.8	25.7	4.05	39.7	25.3	4.32	41.2	26.8	4.39	43.4	27.7	4.46
70	21.6	19.7	1.70	28.2	21.7	2.26	33.2	25.3	2.78	38.6	27.0	3.40	41.7	26.6	3.62	43.3	28.2	3.68	45.6	29.0	3.74
95	17.5	16.0	1.73	22.1	17.6	2.17	27.7	21.3	2.81	33.0	23.1	3.47	37.0	23.0	3.94	38.0	24.4	4.01	39.9	25.2	4.07
115	22.9	21.1	3.30	27.9	22.5	3.84	29.8	24.8	3.87	31.4	25.1	3.91	33.2	23.9	3.94	34.5	25.9	3.98	35.4	26.6	3.94
122	18.1	17.7	2.78	22.1	19.0	3.23	23.6	20.9	3.26	24.8	21.1	3.29	26.3	20.1	3.32	27.3	21.8	3.34	28.1	22.4	3.32

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	21.0	3.71	20.8	3.76	20.6	3.84	20.4	3.89	20.2	3.93	20.0	3.96
-4	25.1	4.04	24.9	4.10	24.6	4.19	24.4	4.24	24.1	4.29	23.9	4.32
5	29.3	4.32	29.0	4.39	28.7	4.48	28.4	4.53	28.1	4.58	27.9	4.62
14	35.1	4.86	34.7	4.94	34.4	4.90	34.0	4.96	33.7	5.00	33.4	4.90
32	33.1	3.16	32.8	3.29	32.4	3.46	32.1	3.49	31.8	3.50	31.5	3.57
47	36.0	3.15	35.7	3.24	35.4	3.35	34.0	3.32	33.0	3.32	32.3	3.16
75	44.5	3.18	41.5	2.97	38.6	2.72	36.7	2.57	34.5	2.48	32.0	2.34

NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

A-Coil

- 7EH48CX-71 (Allied) + CCG48UDF (AC048FCUDCG/AA)

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	32.2	29.3	2.20	41.9	32.3	2.86	49.4	37.7	3.49	57.4	40.2	4.22	62.0	39.5	4.48	64.3	41.9	4.55	67.8	43.2	4.63
70	31.4	28.6	2.05	41.0	31.6	2.65	48.3	36.8	3.21	56.2	39.3	3.88	60.6	38.6	4.11	62.9	40.9	4.18	66.3	42.2	4.25
95	23.9	21.9	2.43	30.2	24.1	3.02	37.8	29.1	3.85	45.0	31.5	4.73	50.4	31.4	5.36	51.8	33.3	5.44	54.5	34.3	5.52
115	31.0	28.5	4.38	37.8	30.5	5.08	40.3	33.6	5.12	42.5	34.0	5.17	45.0	32.4	5.22	46.7	35.1	5.26	48.0	36.1	5.22
122	24.5	23.9	3.53	29.9	25.6	4.07	31.9	28.2	4.11	33.6	28.5	4.14	35.6	27.2	4.18	36.9	29.5	4.22	37.9	30.3	4.18

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	29.8	4.44	29.5	4.51	29.2	4.60	28.9	4.65	28.6	4.70	28.3	4.73
-4	34.7	5.01	34.4	5.09	34.0	5.19	33.7	5.25	33.4	5.30	33.0	5.34
5	44.1	6.19	43.7	6.29	43.2	6.42	42.8	6.49	42.4	6.56	41.9	6.61
14	51.9	7.18	51.4	7.28	50.9	7.22	50.4	7.32	49.9	7.37	49.4	7.22
32	52.7	5.08	52.2	5.29	51.7	5.56	51.2	5.61	50.7	5.62	50.2	5.74
47	50.9	4.44	50.4	4.57	49.9	4.72	48.0	4.68	46.6	4.68	45.6	4.47
75	74.2	5.45	69.3	5.09	64.4	4.66	61.3	4.41	57.6	4.25	53.3	4.02

NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

A-Coil

- 7EH48BX-71 (Allied) + CCG60UDF (AC060FCUDCG/AA)

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	33.2	32.4	3.27	43.3	35.7	4.23	51.0	41.7	5.13	59.3	44.5	6.20	64.0	43.7	6.57	66.4	46.3	6.67	70.0	47.7	6.78
70	30.6	29.8	2.48	39.9	32.9	3.11	47.0	38.4	3.72	54.7	41.0	4.43	59.0	40.3	4.67	61.2	42.7	4.74	64.5	44.0	4.82
95	28.1	27.6	3.04	35.5	30.4	3.72	44.5	36.7	4.68	53.0	39.8	5.69	59.4	39.6	6.41	61.0	42.1	6.51	64.1	43.3	6.60
115	35.0	32.2	6.00	42.6	34.4	6.93	45.5	37.9	6.99	47.9	38.3	7.05	50.8	36.6	7.11	52.7	39.6	7.17	54.1	40.7	7.11
122	27.5	27.5	5.01	33.5	30.5	5.76	35.8	33.5	5.81	37.7	33.9	5.86	40.0	32.4	5.91	41.5	35.1	5.96	42.6	36.0	5.91

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	34.2	5.61	33.9	5.69	33.5	5.80	33.2	5.86	32.9	5.91	32.5	5.95
-4	39.9	6.22	39.5	6.31	39.1	6.43	38.7	6.50	38.3	6.56	37.9	6.61
5	45.5	6.63	45.1	6.73	44.6	6.87	44.2	6.94	43.8	7.01	43.3	7.06
14	50.5	7.15	50.0	7.26	49.5	7.20	49.0	7.30	48.5	7.34	48.0	7.20
32	49.9	4.93	49.4	5.12	48.9	5.36	48.4	5.40	47.9	5.41	47.5	5.52
47	58.3	5.47	57.8	5.62	57.2	5.79	55.0	5.75	53.4	5.75	52.3	5.50
75	84.1	7.51	78.6	7.03	73.0	6.44	69.5	6.11	65.4	5.89	60.5	5.57

NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

A-Coil

- 7EH24AX-***+TDR (Allied) + CCG24UPF (AC024FCUPCG/AA)

Cooling TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	9.7	8.8	0.35	12.6	9.7	0.36	14.8	11.3	0.38	17.3	12.1	0.39	18.6	11.9	0.40	19.3	12.6	0.40	20.4	13.0	0.40
70	14.8	13.5	0.79	19.3	14.9	0.98	22.7	17.4	1.16	26.5	18.5	1.37	28.6	18.2	1.45	29.6	19.3	1.47	31.2	19.9	1.49
95	12.2	11.2	1.05	15.4	12.3	1.28	19.3	14.9	1.61	23.0	16.1	1.96	25.8	16.0	2.21	26.5	17.0	2.24	27.8	17.5	2.27
115	17.6	16.2	2.33	21.5	17.4	2.70	22.9	19.1	2.72	24.2	19.3	2.74	25.6	18.4	2.77	26.6	20.0	2.79	27.3	20.5	2.77
126	12.6	12.3	1.84	15.4	13.2	2.12	16.4	14.5	2.14	17.3	14.7	2.16	18.3	14.0	2.17	19.0	15.2	2.19	19.5	15.6	2.17

Heating TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	19.3	2.99	19.1	3.04	18.9	3.10	18.8	3.14	18.6	3.17	18.4	3.19
-4	26.4	3.75	26.1	3.81	25.9	3.89	25.6	3.93	25.4	3.98	25.1	4.01
5	29.2	3.97	28.9	4.03	28.7	4.11	28.4	4.16	28.1	4.21	27.8	4.24
14	30.9	4.08	30.6	4.14	30.3	4.10	30.0	4.16	29.7	4.19	29.4	4.10
32	29.9	2.74	29.6	2.85	29.3	3.00	29.0	3.02	28.7	3.03	28.4	3.09
47	26.5	2.17	26.3	2.23	26.0	2.30	25.0	2.28	24.3	2.28	23.8	2.18
75	37.8	2.45	35.3	2.29	32.8	2.10	31.3	2.00	29.4	1.92	27.2	1.82

 NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

A-Coil

- 7EH48BX-***+TDR (Allied) + CCG36UPF (AC036FCUPCG/AA)

Cooling TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	17.1	15.6	0.72	22.3	17.2	0.88	26.3	20.1	1.03	30.6	21.4	1.21	33.0	21.1	1.28	34.3	22.3	1.29	36.1	23.0	1.31
70	22.8	20.8	1.47	29.8	22.9	1.93	35.1	26.8	2.36	40.8	28.6	2.88	44.1	28.1	3.06	45.7	29.7	3.11	48.1	30.7	3.16
95	18.0	16.5	1.53	22.8	18.2	1.91	28.6	22.0	2.46	34.0	23.8	3.03	38.1	23.7	3.44	39.1	25.2	3.49	41.1	25.9	3.55
115	27.8	25.6	3.83	33.9	27.4	4.46	36.2	30.1	4.50	38.1	30.5	4.55	40.4	29.1	4.59	41.9	31.5	4.63	43.0	32.4	4.59
126	19.9	19.4	3.07	24.2	20.8	3.57	25.8	22.8	3.60	27.2	23.1	3.64	28.8	22.1	3.67	29.9	23.9	3.70	30.7	24.6	3.67

Heating TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	27.0	4.58	26.8	4.65	26.5	4.75	26.3	4.80	26.0	4.85	25.7	4.89
-4	39.7	6.40	39.3	6.50	38.9	6.64	38.5	6.72	38.1	6.80	37.7	6.85
5	45.1	6.55	44.6	6.66	44.2	6.80	43.8	6.88	43.3	6.96	42.9	7.01
14	43.3	5.48	42.8	5.57	42.4	5.52	42.0	5.60	41.6	5.64	41.2	5.52
32	36.1	3.04	35.7	3.17	35.4	3.33	35.0	3.36	34.7	3.37	34.3	3.44
47	37.1	3.03	36.8	3.12	36.4	3.23	35.0	3.20	34.0	3.20	33.3	3.05
75	48.7	3.16	45.5	2.96	42.3	2.70	40.3	2.56	37.8	2.47	35.0	2.33

NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

A-Coil

- 7EH51CX-**-TDR (Allied) + CCG48UPF (AC048FCUPCG/AA)

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	22.7	20.6	0.98	29.6	22.8	1.25	34.8	26.6	1.50	40.5	28.4	1.80	43.7	27.9	1.90	45.4	29.5	1.93	47.8	30.4	1.96
70	32.8	29.8	2.60	42.7	32.9	3.52	50.3	38.4	4.38	58.5	41.0	5.40	63.2	40.2	5.76	65.5	42.7	5.86	69.0	44.0	5.96
95	23.9	21.9	2.20	30.2	24.1	2.78	37.8	29.1	3.62	45.0	31.5	4.50	50.4	31.4	5.13	51.8	33.3	5.21	54.5	34.3	5.30
115	31.2	28.7	4.53	38.0	30.7	5.30	40.6	33.8	5.35	42.8	34.2	5.40	45.3	32.6	5.45	47.0	35.4	5.50	48.3	36.3	5.45
122	26.3	25.7	3.97	32.0	27.5	4.64	34.2	30.2	4.68	36.0	30.6	4.73	38.2	29.2	4.77	39.6	31.6	4.81	40.7	32.5	4.77

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	34.6	5.13	34.3	5.21	33.9	5.32	33.6	5.38	33.3	5.44	32.9	5.48
-4	42.0	6.46	41.6	6.57	41.2	6.71	40.8	6.79	40.4	6.86	40.0	6.92
5	44.5	7.35	44.1	7.47	43.6	7.63	43.2	7.72	42.8	7.81	42.3	7.87
14	51.9	8.02	51.4	8.14	50.9	8.07	50.4	8.19	49.9	8.25	49.4	8.07
32	47.0	4.22	46.5	4.40	46.1	4.64	45.6	4.68	45.1	4.69	44.7	4.79
47	50.9	4.43	50.4	4.57	49.9	4.72	48.0	4.68	46.6	4.68	45.6	4.45
75	81.3	6.15	75.9	5.73	70.6	5.21	67.2	4.91	63.2	4.72	58.5	4.44

NOTE

- The performance table shows the average value of each conditions.

3. Capacity Table

A-Coil

- 7EH51CX-**-TDR (Allied) + CCG60UPF (AC060FCUPCG/AA)

Cooling

TC : Total Capacity, SHC : Sensible Heat Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB / WB)																				
	68 / 57			72 / 61			77 / 64			80 / 67			82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-4	26.7	24.3	1.15	34.8	26.8	1.49	41.0	31.3	1.81	47.7	33.4	2.18	51.5	32.8	2.32	53.4	34.8	2.35	56.3	35.9	2.39
70	35.6	32.4	2.38	46.4	35.7	3.21	54.7	41.7	3.99	63.6	44.5	4.91	68.7	43.8	5.24	71.2	46.4	5.33	75.0	47.8	5.42
95	28.1	25.8	2.63	35.5	28.3	3.35	44.5	34.3	4.38	53.0	37.1	5.46	59.4	37.0	6.23	61.0	39.3	6.34	64.1	40.4	6.44
115	34.8	32.0	4.81	42.5	34.3	5.62	45.3	37.7	5.68	47.7	38.2	5.73	50.6	36.4	5.79	52.5	39.5	5.84	53.9	40.5	5.79
122	29.0	28.4	4.36	35.4	30.4	5.09	37.8	33.4	5.14	39.8	33.8	5.19	42.1	32.2	5.24	43.7	34.9	5.28	44.9	35.9	5.24

Heating

TC : Total Capacity, PI : Power Input

Outdoor Temp. (°F, DB)	Indoor Temperature (°F, DB)											
	61		64		68		70		72		75	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
-13	39.7	7.07	39.3	7.19	38.9	7.34	38.5	7.43	38.1	7.51	37.7	7.57
-4	42.5	7.37	42.1	7.48	41.7	7.65	41.3	7.74	40.8	7.83	40.4	7.89
5	48.2	7.66	47.7	7.78	47.2	7.95	46.8	8.05	46.3	8.14	45.8	8.20
14	56.7	9.09	56.1	9.23	55.6	9.15	55.0	9.29	54.5	9.35	53.9	9.15
32	53.8	5.85	53.3	6.11	52.8	6.44	52.3	6.50	51.7	6.51	51.2	6.66
47	58.3	5.85	57.8	6.04	57.2	6.24	55.0	6.19	53.4	6.20	52.3	5.88
75	86.5	7.77	80.8	7.23	75.1	6.57	71.5	6.19	67.2	5.94	62.2	5.59

NOTE

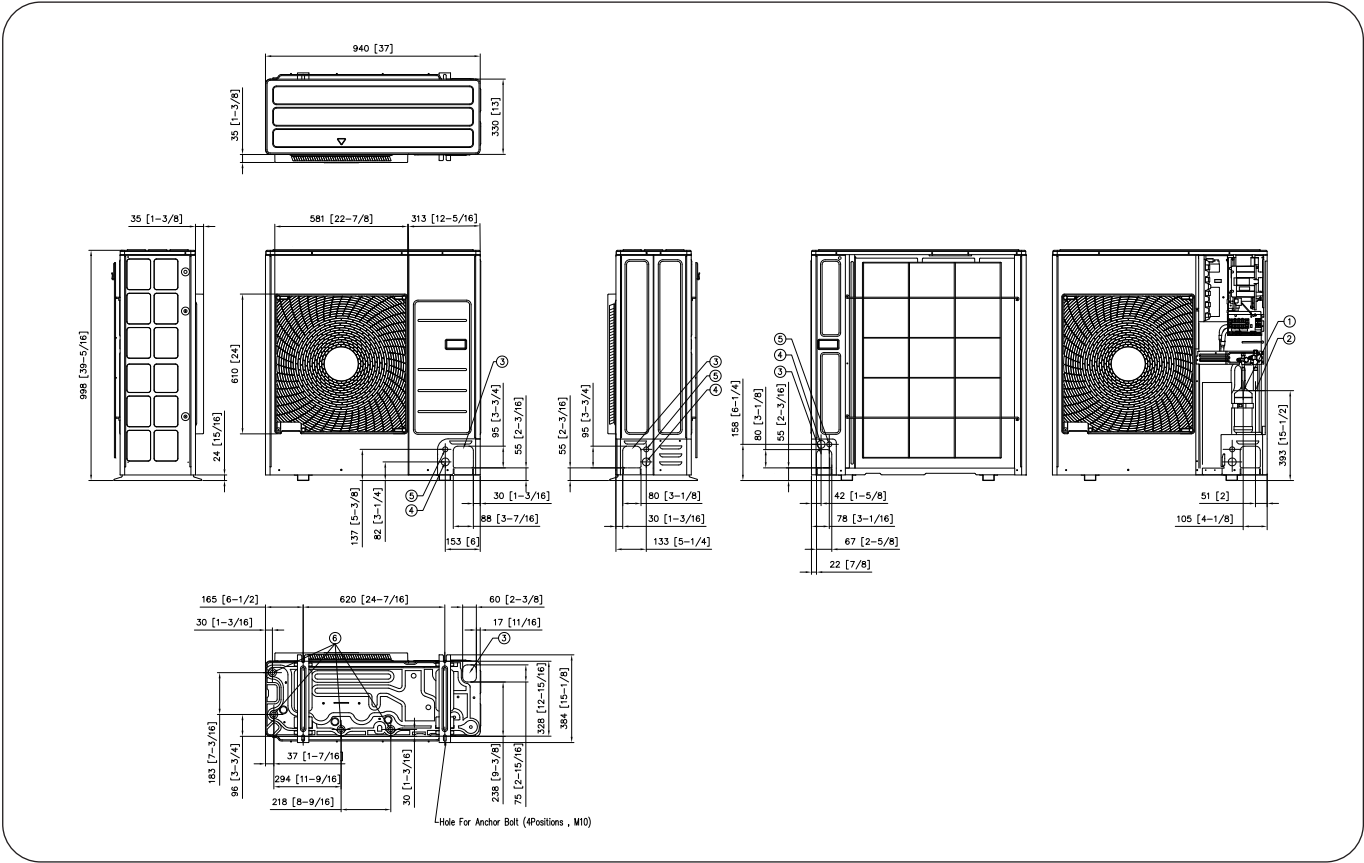
- The performance table shows the average value of each conditions.

4. Dimensional Drawing

Outdoor Units

- CCG24UDF (AC024FCUDCG/AA), CCG36UDF (AC036FCUDCG/AA)

Units : mm [inches]



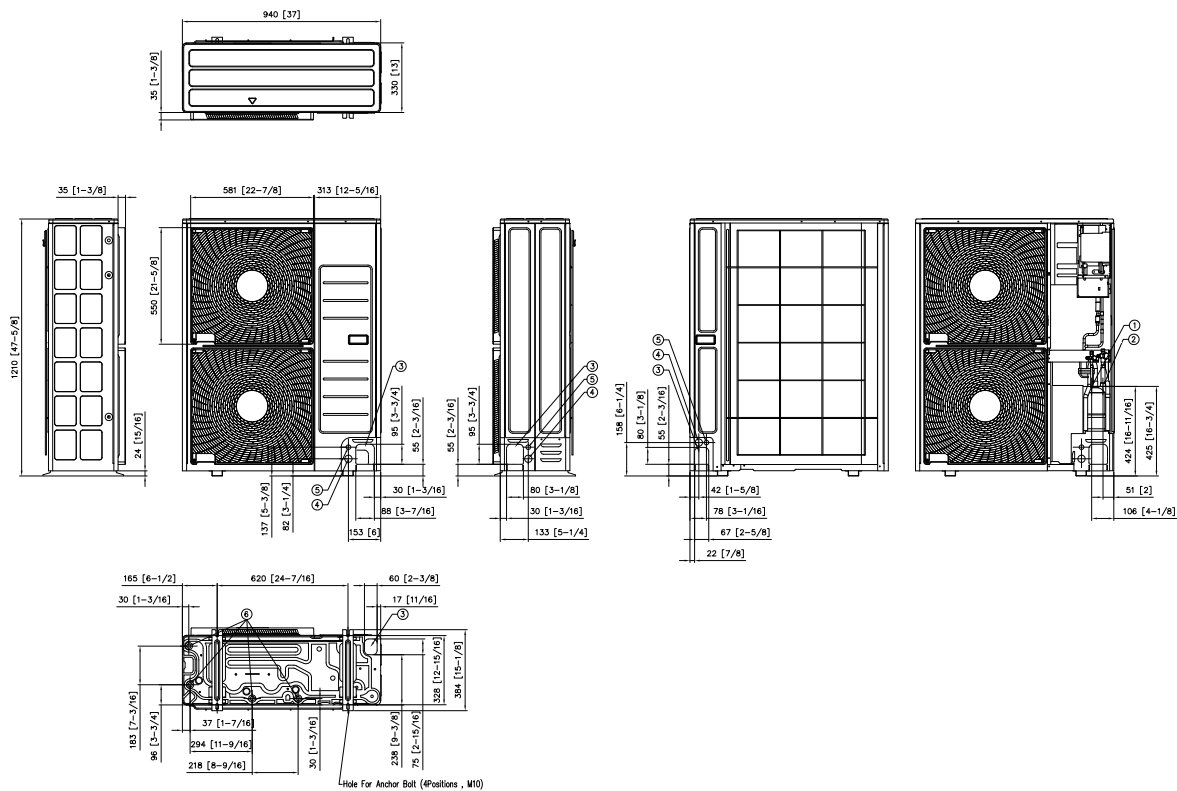
No.	Name	Description
1	Liquid pipe connection	Φ 9.52 [3/8]
2	Gas pipe connection	Φ19.05 [3/4]
3	Piping intake knockout hole	Front / Side / Rear / Bottom
4	Power wiring conduit	Front / Side / Rear / Φ34 [1-3/8]
5	Communication wiring conduit	Front / Side / Rear / Φ22 [7/8]
6	Drain hole	-

4. Dimensional Drawing

Outdoor Units

- CCG48UDF (AC048FCUDCG/AA), CCG24UPF (AC024FCUPCG/AA)

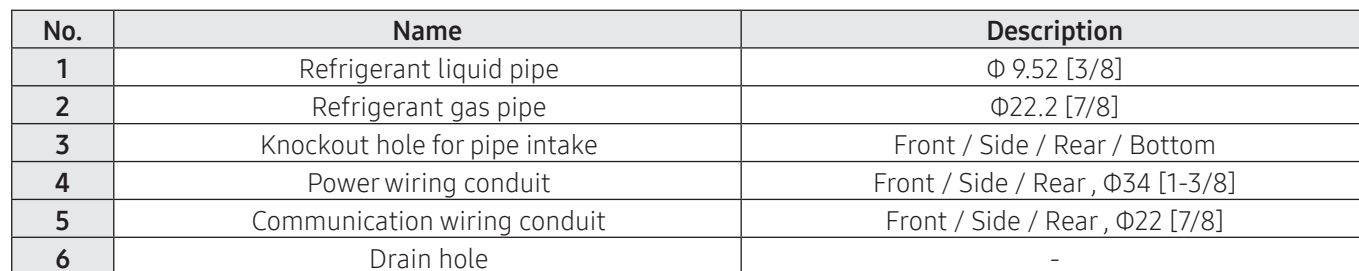
Units : mm [inches]



No.	Name	Description
1	Refrigerant liquid pipe	Φ 9.52 [3/8]
2	Refrigerant gas pipe	Φ22.2 [7/8]
3	Knockout hole for pipe intake	Front / Side / Rear / Bottom
4	Power wiring conduits	Front / Side / Rear, Φ34 [Φ1-3/8]
5	Communication wiring conduits	Front / Side / Rear, Φ22 [Φ7/8]
6	Drain hole	-

Outdoor Units

- Units : mm [inches]

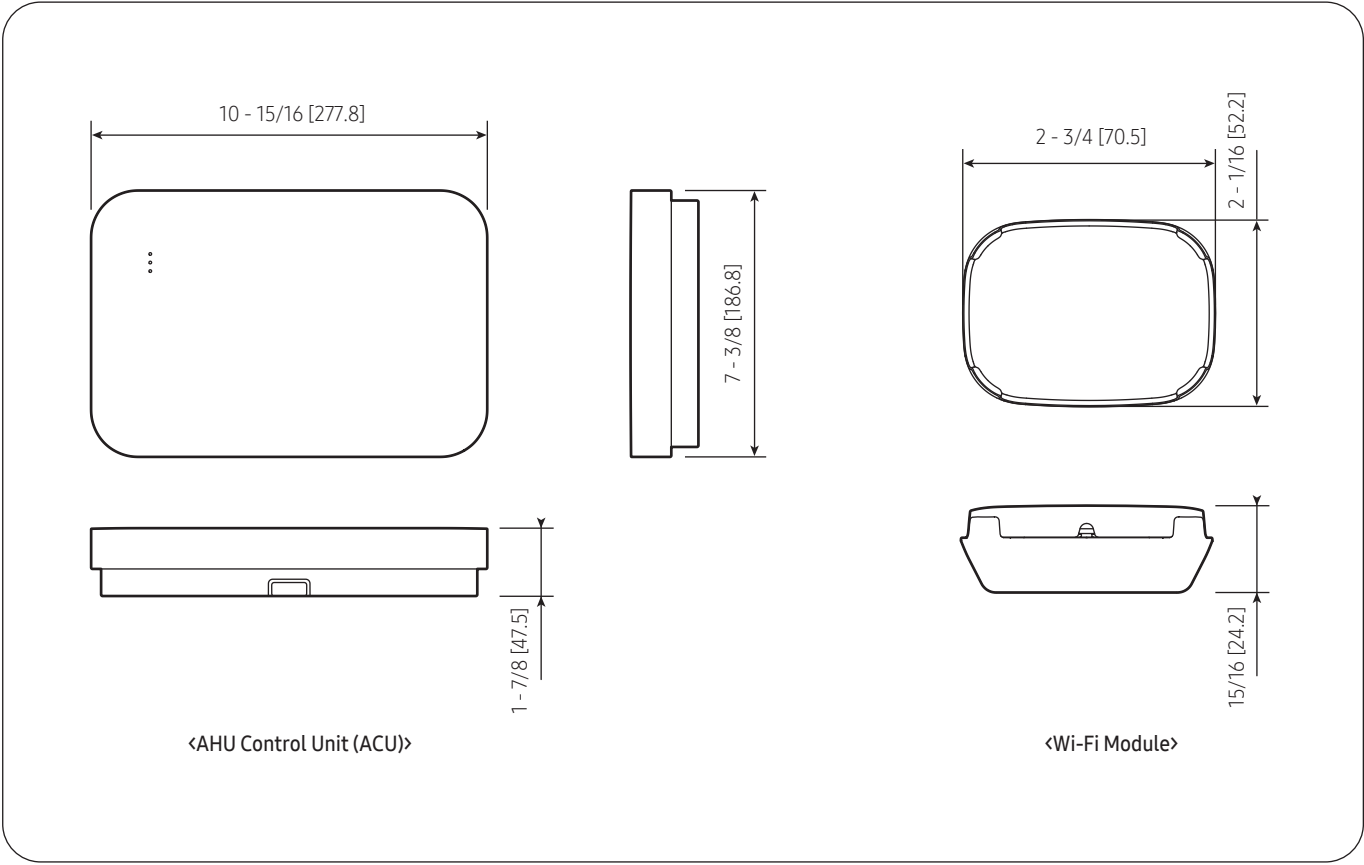


4. Dimensional Drawing

ACU kit (AHU Control Unit)

• MXD-U001XN

Units : inches [mm]

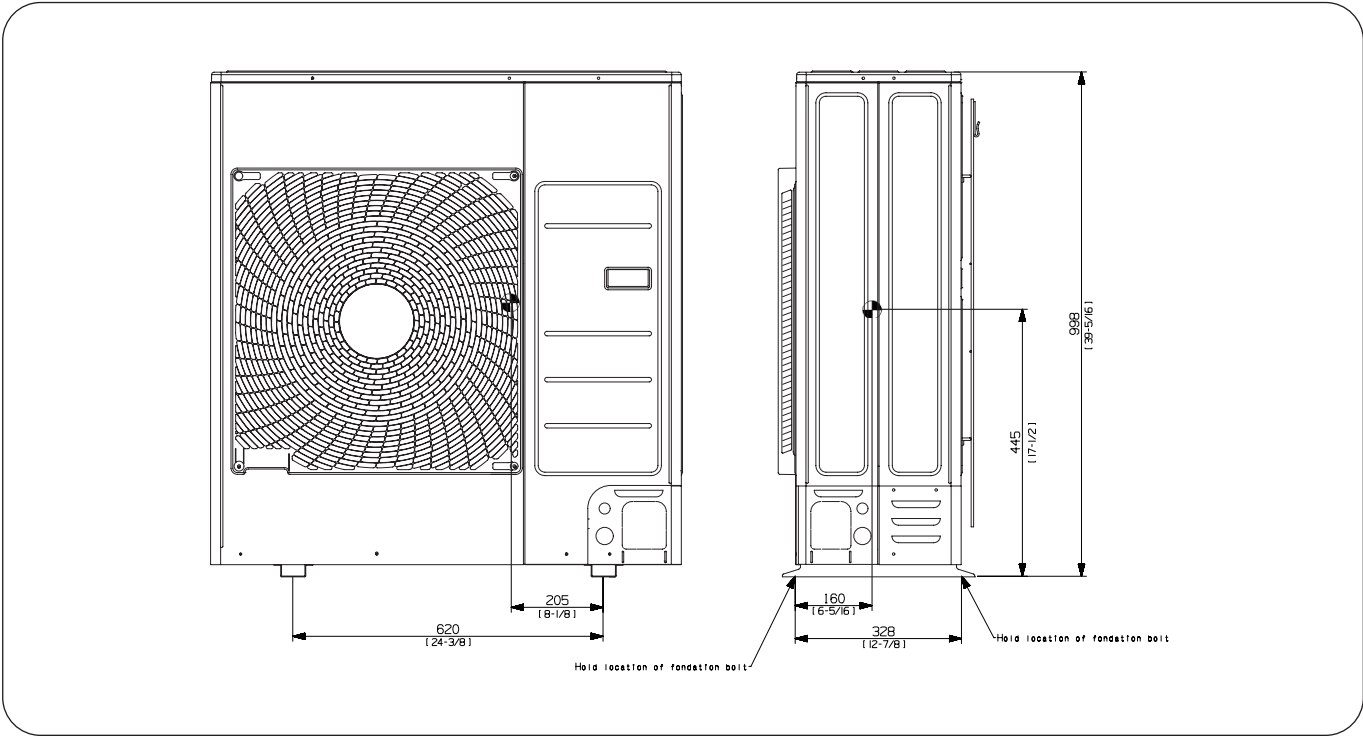


5. Center of Gravity

Outdoor Units

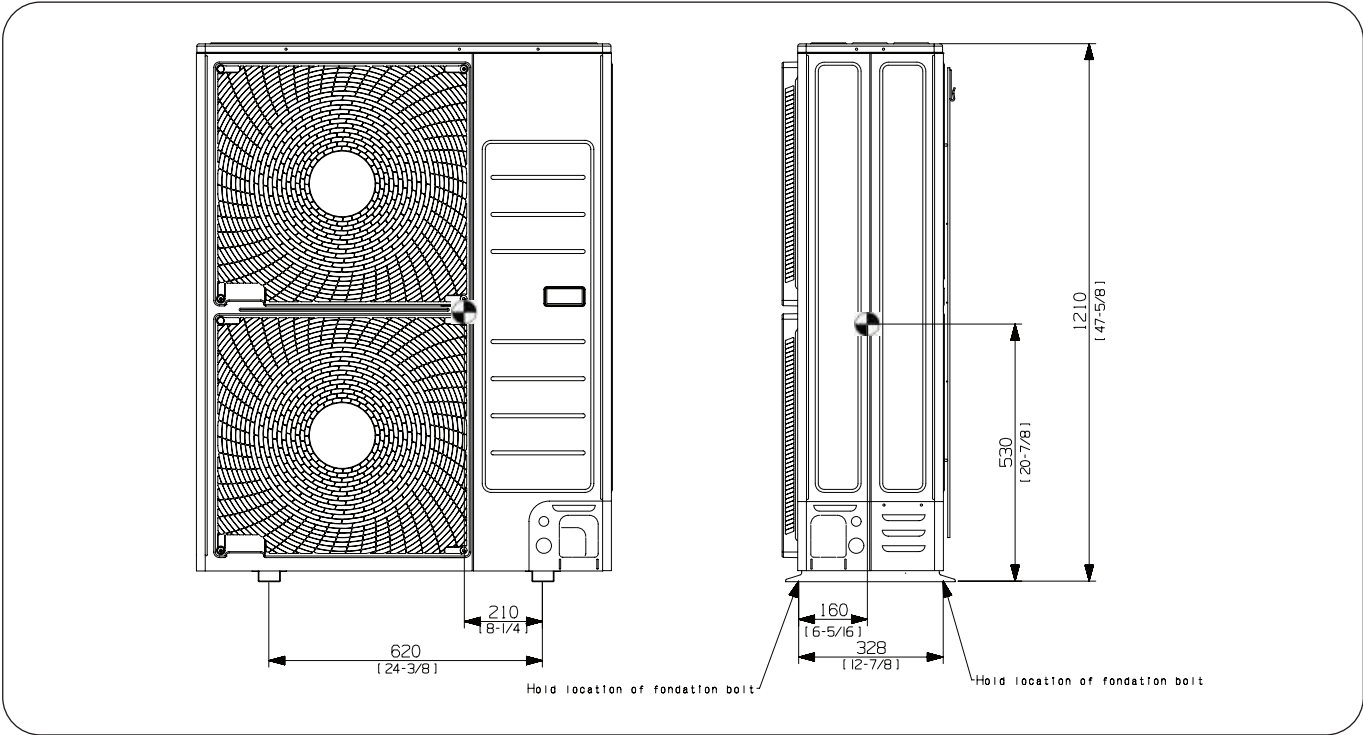
• CCG24UDF (AC024FCUDCG/AA), CCG36UDF (AC036FCUDCG/AA)

Units : mm [inches]



• CCG48UDF (AC048FCUDCG/AA), CCG24UPF (AC024FCUPCG/AA)

Units : mm [inches]

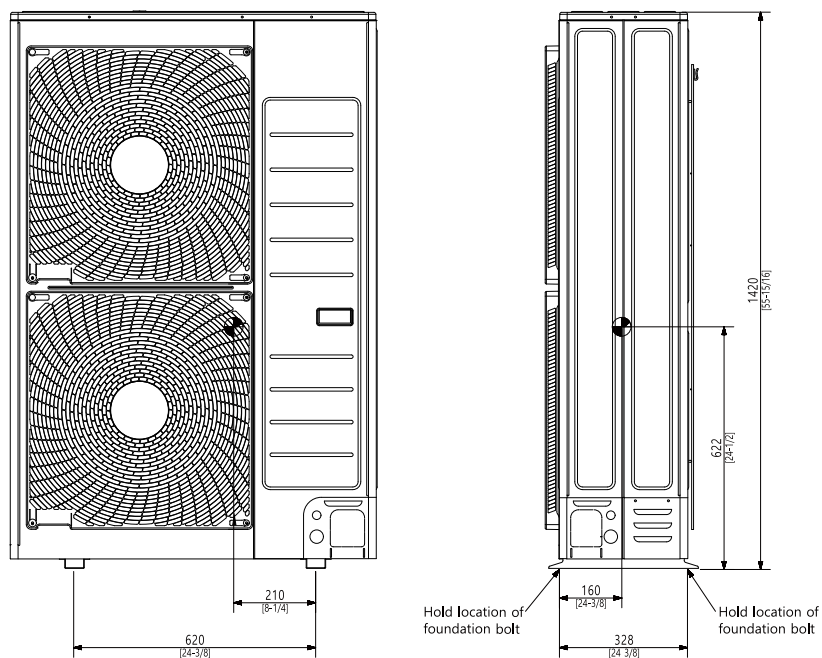


5. Center of Gravity

Outdoor Units

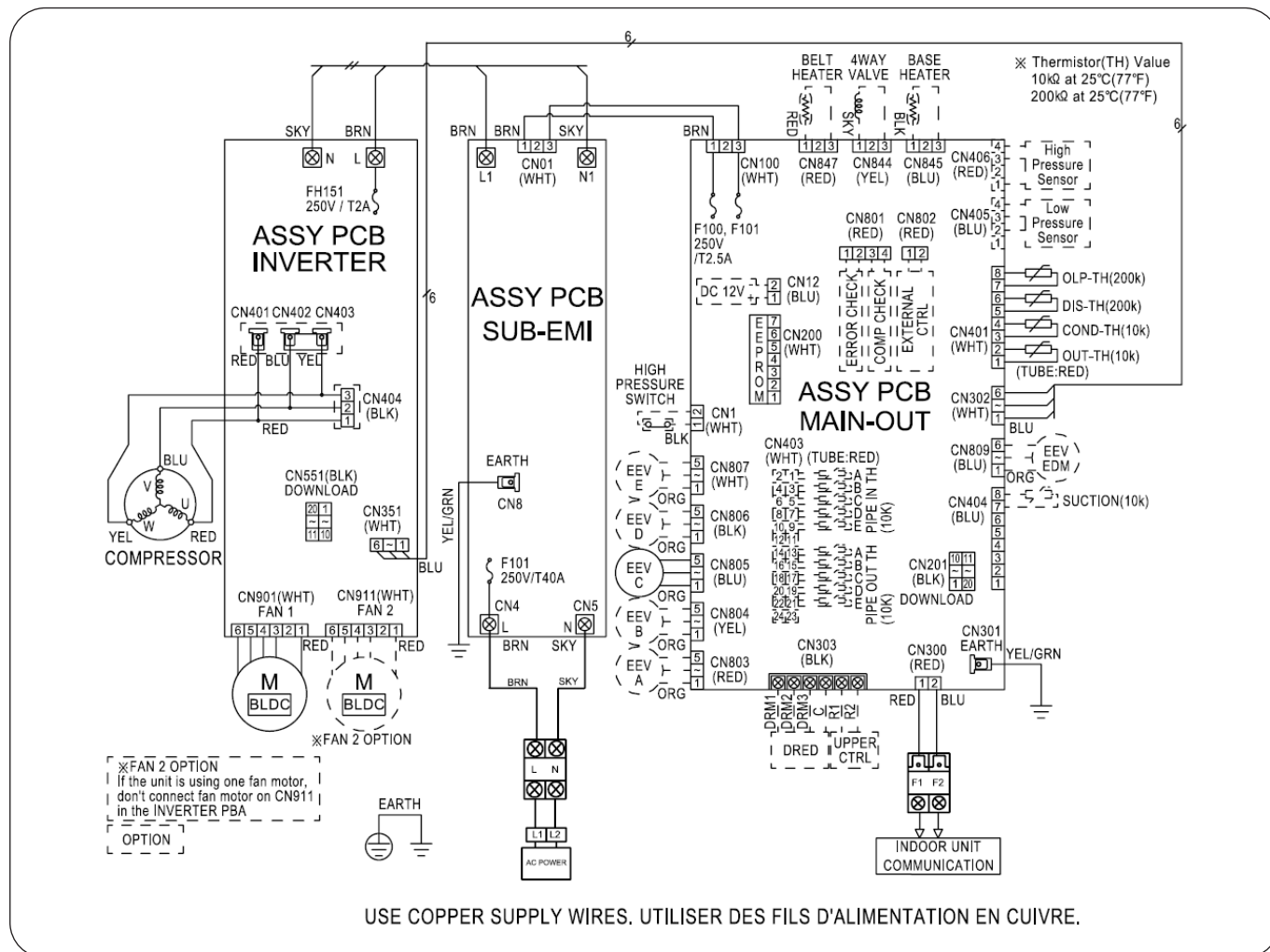
- CCG60UDF (AC060FCUDCG/AA), CCG36UPF (AC036FCUPCG/AA), CCG48UPF (AC048FCUPCG/AA)
CCG60UPF (AC060FCUPCG/AA)

Units : mm [inches]



6. Electrical Wiring Diagram

Outdoor Units



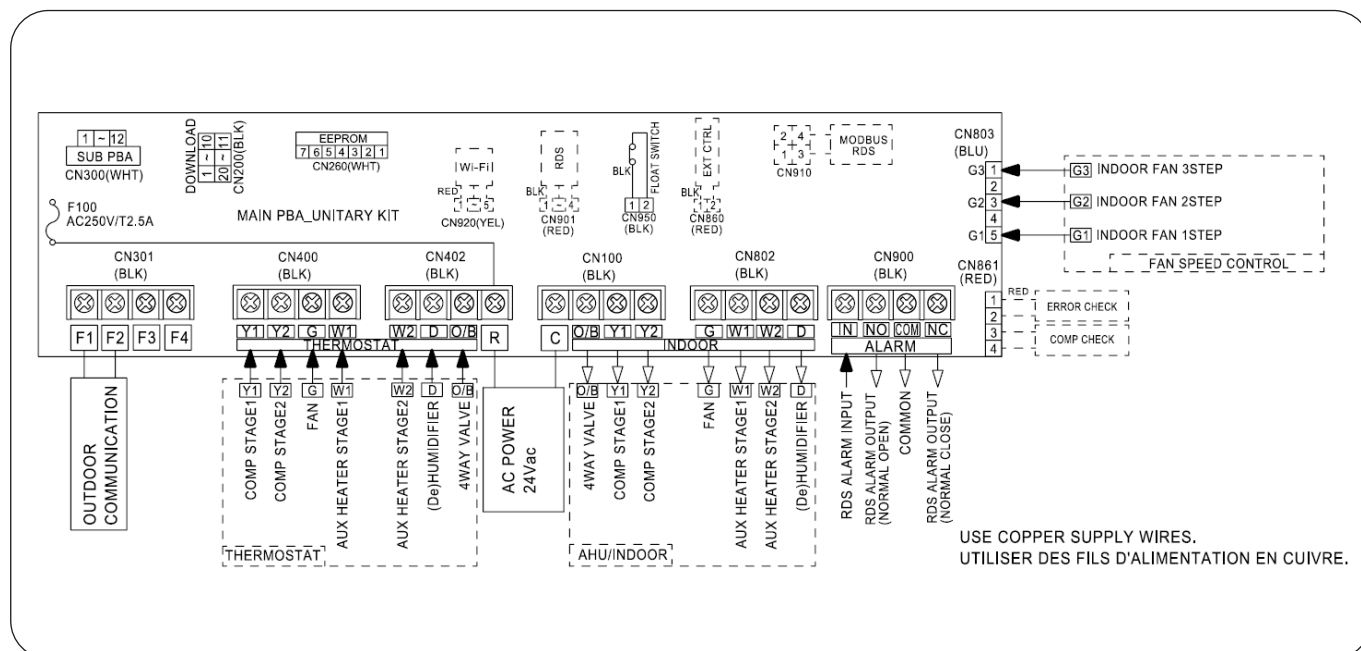
M BLDC	BLDC Motor	OUT-TH	Thermistor (Air)
EEV	Electronic Expansion Valve	COND-TH	Thermistor (COND.)
COMP	Motor (compressor)	DIS-TH	Thermistor (DISCHARGE)
F1/F2	Out To Indoor Communication	OLP-TH	Thermistor (COMP TOP)
SUCTION	Thermistor (SUCTION)	250V / T40A	FUSE

NOTE

- This wiring diagram applies only to the outdoor unit.
- Colors BLK: black, RED: red, BLU: blue, WHT: white, YEL: yellow, BRN: brown, SKY: skyblue
- When operating, don't shortcircuit the protection device (High Pressure switch)
- For connection wiring indoor-outdoor transmission F1-F2.
- Protective earth(screw), : connector, : The wire quantity

6. Electrical Wiring Diagram

ACU kit (AHU control kit)



Y1	1-stage operation	Y2	2-stage operation
G	Fan signal	D	Dehumidifier
W1	Auxiliary heater 1-stage(heat pump) Furnace 1-stage	W2	Auxiliary heater 2-stage(heat pump) Furnace 2-stage
O/D	4Way valve (24 VAC : Heating, 0 VAC : Cooling)	250V / T2.5A	FUSE

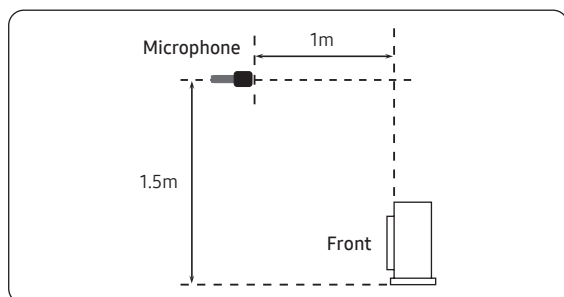
NOTE

- This wiring diagram applies only to the outdoor unit.
- Colors BLK: black, RED: red, BLU: blue, WHT: white, YEL: yellow, BRN: brown, SKY: skyblue
- When operating, don't shortcircuit the protection device (High Pressure switch)
- For connection wiring indoor-outdoor transmission F1-F2.
- Protective earth(screw), : connector, : The wire quantity

7. Sound Data

Sound Pressure level

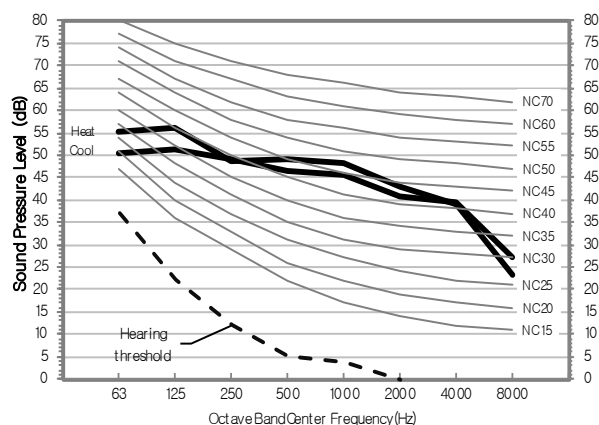
Unit: dB(A)



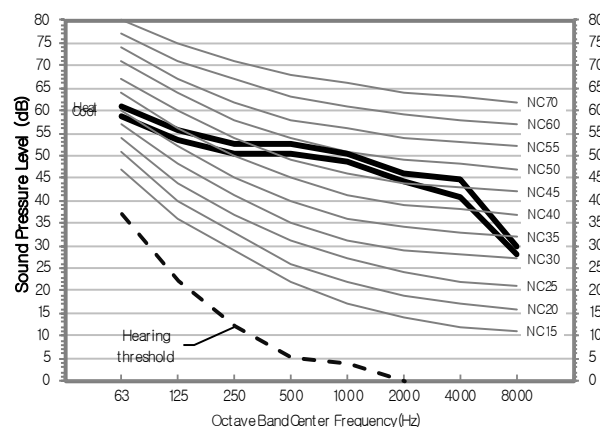
Model	Cooling	Heating
CCG24UDF (AC024FCUDCG/AA)	50	52
CCG36UDF (AC036FCUDCG/AA)	53	55
CCG48UDF (AC048FCUDCG/AA)	55	57
CCG60UDF (AC060FCUDCG/AA)	56	58

• NC Curve

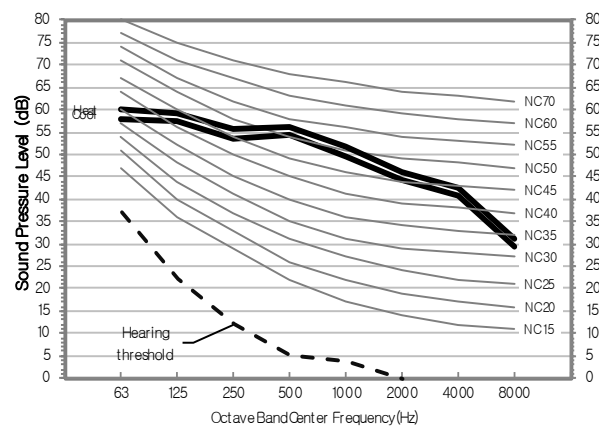
1) CCG24UDF (AC024FCUDCG/AA)



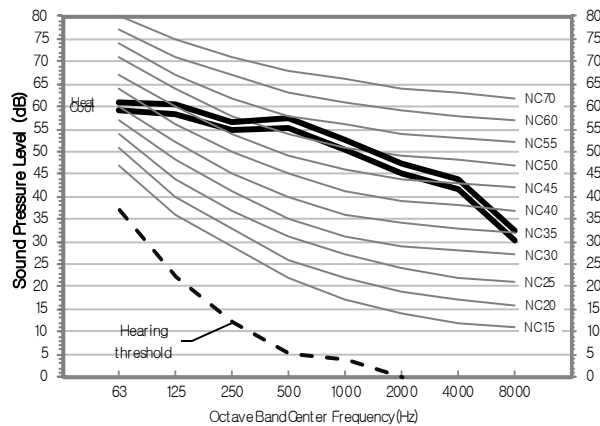
2) CCG36UDF (AC036FCUDCG/AA)



3) CCG48UDF (AC048FCUDCG/AA)



4) CCG60UDF (AC060FCUDCG/AA)



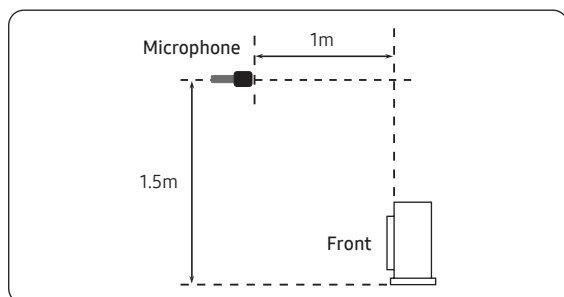
NOTE

- Specifications may be subject to change without prior notice.
 - Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dB(A) = A-weighted sound pressure level
 - Reference acoustic pressure 0 dB = 20μPa

7. Sound Data

Sound Pressure level

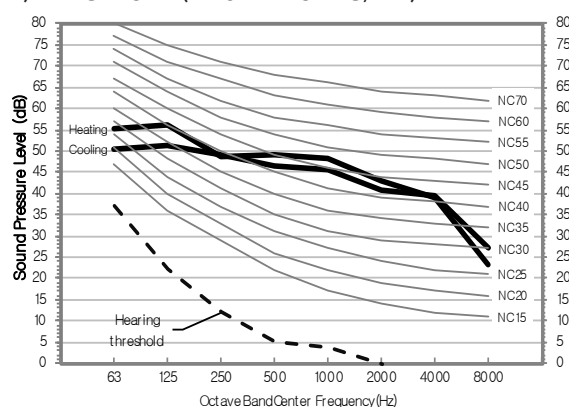
Unit: dB(A)



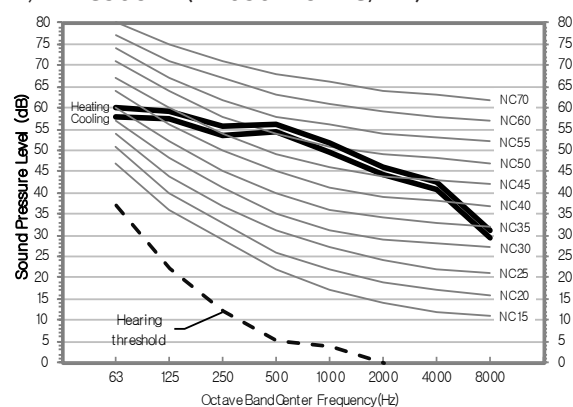
Model	Cooling	Heating
CCG24UPF (AC024FCUPCG/AA)	50	52
CCG36UPF (AC036FCUPCG/AA)	55	57
CCG48UPF (AC048FCUPCG/AA)	55	57
CCG60UPF (AC060FCUPCG/AA)	56	58

• NC Curve

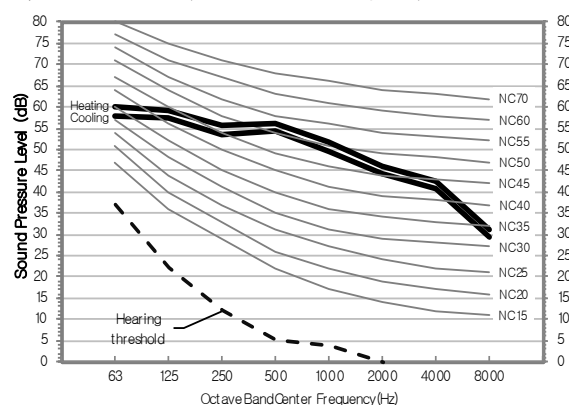
1) CCG24UPF (AC024FCUPCG/AA)



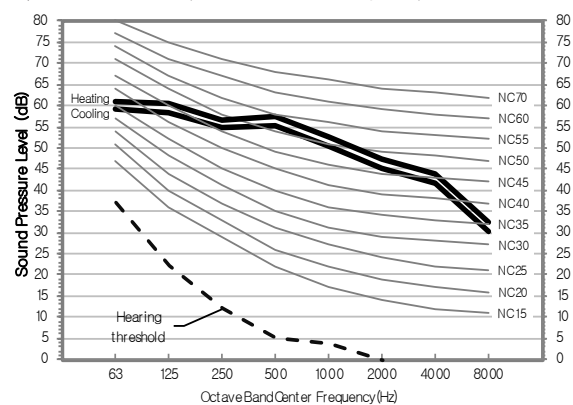
2) CCG36UPF (AC036FCUPCG/AA)



3) CCG48UPF (AC048FCUPCG/AA)



4) CCG60UPF (AC060FCUPCG/AA)



NOTE

- Specifications may be subject to change without prior notice.
 - Sound pressure level is obtained in an anechoic room.
 - Sound pressure level is a relative value, depending on the distance and acoustic environment.
 - Sound pressure level may differ depending on operation condition.
 - dB(A) = A-weighted sound pressure level
 - Reference acoustic pressure 0 dB = 20μPa

7. Sound Data

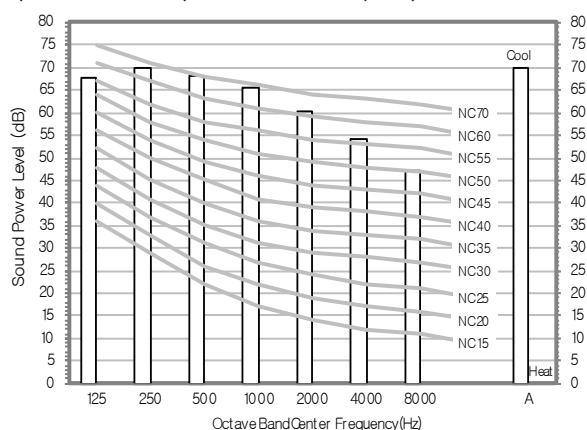
Sound Power level

Unit: dB(A)

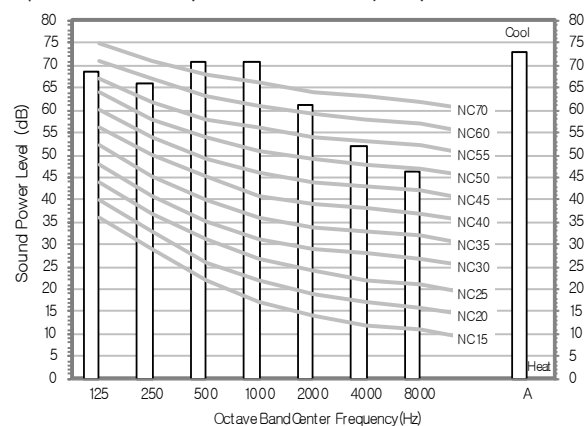
Model	Cooling
CCG24UDF (AC024FCUDCG/AA)	70
CCG36UDF (AC036FCUDCG/AA)	73
CCG48UDF (AC048FCUDCG/AA)	75
CCG60UDF (AC060FCUDCG/AA)	75

• NC Curve

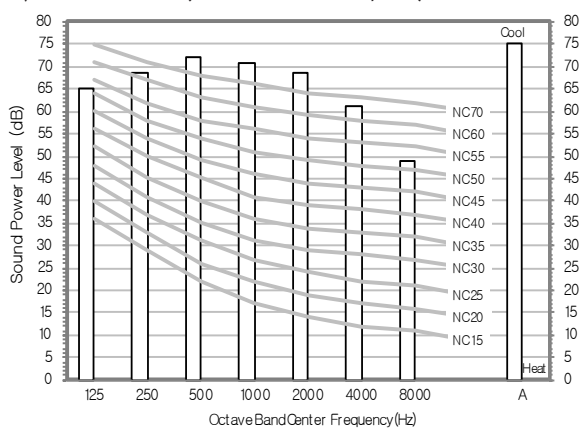
1) CCG24UDF (AC024FCUDCG/AA)



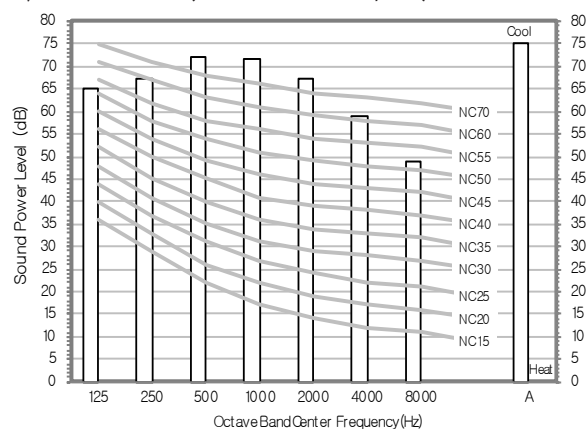
2) CCG36UDF (AC036FCUDCG/AA)



3) CCG48UDF (AC048FCUDCG/AA)



4) CCG60UDF (AC060FCUDCG/AA)



NOTE

- Specifications may be subject to change without prior notice.
 - Sound power level is an absolute value that a sound source generates.
 - dB(A) = A-weighted sound power level.
 - Reference power : 1pW.
 - Measured according to ISO 3741.

7. Sound Data

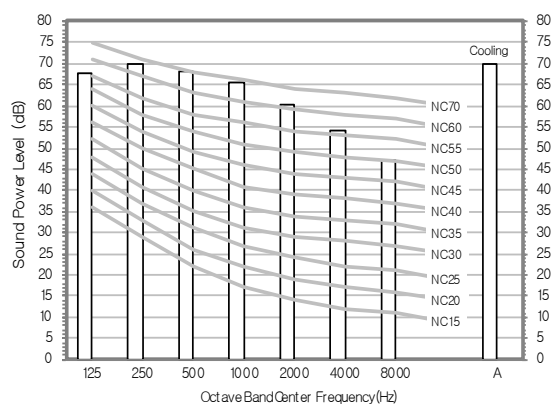
Sound Power level

Unit: dB(A)

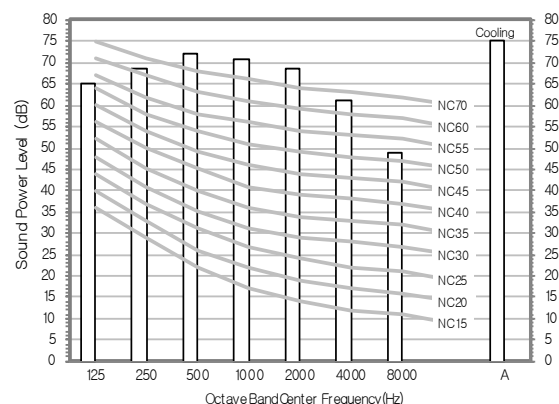
Model	Cooling
CCG24UPF (AC024FCUPCG/AA)	70
CCG36UPF (AC036FCUPCG/AA)	75
CCG48UPF (AC048FCUPCG/AA)	75
CCG60UPF (AC060FCUPCG/AA)	75

• NC Curve

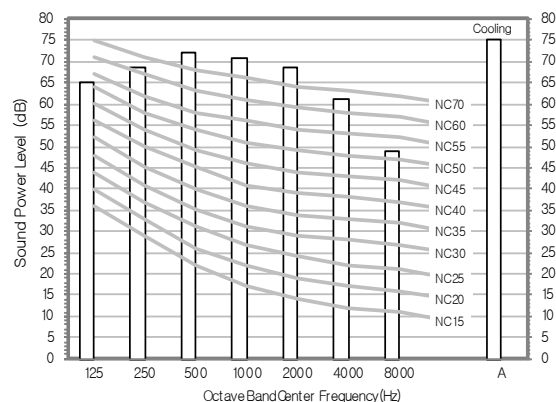
1) CCG24UPF (AC024FCUPCG/AA)



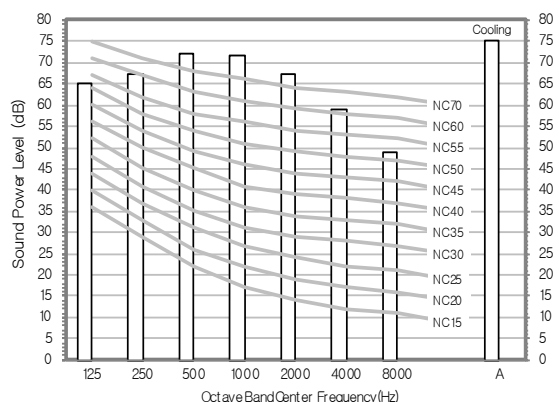
2) CCG36UPF (AC036FCUPCG/AA)



3) CCG48UPF (AC048FCUPCG/AA)



4) CCG60UPF (AC060FCUPCG/AA)



NOTE

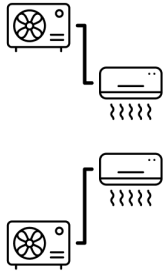
- Specifications may be subject to change without prior notice.
 - Sound power level is an absolute value that a sound source generates.
 - dB(A) = A-weighted sound power level.
 - Reference power : 1pW.
 - Measured according to ISO 3741.

8. Capacity Correction

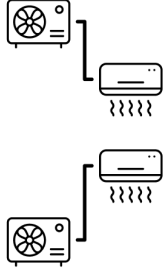
Outdoor Units

- CCG24UDF (AC024FCUDCG/AA), CCG36UDF (AC036FCUDCG/AA)

Cooling

		Pipe Length (ft)									
		24.6	45	60	75	90	105	120	135	150	164
	Level Difference (ft)	98					0.88	0.87	0.86	0.85	0.84
		80				0.91	0.90	0.89	0.88	0.87	0.86
		60			0.93	0.92	0.91	0.90	0.89	0.88	0.87
		40	0.96	0.95	0.94	0.93	0.92	0.91	0.90	0.89	0.89
		20	0.99	0.97	0.97	0.96	0.95	0.94	0.93	0.92	0.91
		0	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92
		-20	1.00	1.00	0.99	0.98	0.97	0.96	0.95	0.94	0.93
		-40		1.00	1.00	0.99	0.98	0.97	0.96	0.95	0.94
		-60			1.00	1.00	0.99	0.98	0.97	0.96	0.95
		-80				1.00	1.00	0.99	0.99	0.98	0.97
		-98					1.00	1.00	1.00	0.99	0.98

Heating

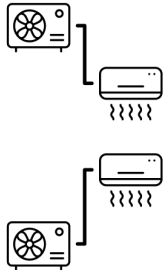
		Pipe Length (ft)									
		24.6	45	60	75	90	105	120	135	150	164
	Level Difference (ft)	98					1.00	1.00	1.00	1.00	1.00
		80				1.00	1.00	1.00	1.00	1.00	1.00
		60			1.00	1.00	1.00	1.00	1.00	1.00	1.00
		40	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		20	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		0	1.00	1.00	1.00	1.00	0.99	0.99	0.99	0.99	0.99
		-20	0.99	0.99	0.99	0.99	0.99	0.99	0.98	0.98	0.98
		-40		0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.97
		-60			0.97	0.97	0.97	0.97	0.97	0.97	0.97
		-80				0.96	0.96	0.96	0.96	0.96	0.96
		-98					0.95	0.95	0.95	0.95	0.95

8. Capacity Correction

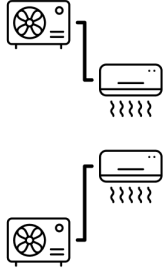
Outdoor Units

- CCG48UDF (AC048FCUDCG/AA), CCG60UDF (AC060FCUDCG/AA), CCG24UPF (AC024FCUPCG/AA)
CCG36UPF (AC036FCUPCG/AA), CCG48UPF (AC048FCUPCG/AA), CCG60UPF (AC060FCUPCG/AA)

Cooling

		Pipe Length (ft)									
		24.6	45	60	75	90	105	120	135	150	164
	Level Difference (ft)	98					0.90	0.90	0.89	0.88	0.88
		80				0.92	0.92	0.91	0.90	0.90	0.89
		60			0.94	0.94	0.93	0.92	0.92	0.91	0.91
		40	0.97	0.96	0.96	0.95	0.94	0.94	0.93	0.93	0.92
		20	0.99	0.98	0.97	0.97	0.96	0.95	0.95	0.94	0.93
		0	1.00	0.99	0.98	0.98	0.97	0.96	0.96	0.95	0.95
		-20	1.00	1.00	0.99	0.99	0.98	0.98	0.97	0.96	0.96
		-40		1.00	1.00	1.00	0.99	0.99	0.98	0.98	0.97
		-60			1.00	1.00	1.00	1.00	0.99	0.99	0.98
		-80				1.00	1.00	1.00	1.00	1.00	1.00
		-98					1.00	1.00	1.00	1.00	1.00

Heating

		Pipe Length (ft)									
		24.6	45	60	75	90	105	120	135	150	164
	Level Difference (ft)	98					1.00	1.00	1.00	1.00	1.00
		80				1.00	1.00	1.00	1.00	1.00	1.00
		60			1.00	1.00	1.00	1.00	1.00	1.00	1.00
		40	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		20	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
		0	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.99	0.99
		-20	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99	0.99
		-40		0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.98
		-60			0.98	0.98	0.98	0.98	0.98	0.98	0.97
		-80				0.97	0.97	0.97	0.97	0.97	0.97
		-98					0.96	0.96	0.96	0.96	0.96

9. Operation Range

Outdoor Units

- CCG24UDF (AC024FCUDCG/AA), CCG36UDF (AC036FCUDCG/AA), CCG48UDF (AC048FCUDCG/AA)
CCG60UDF (AC060FCUDCG/AA), CCG48UPF (AC048FCUPCG/AA), CCG60UPF (AC060FCUPCG/AA)

Mode	Indoor temperatue	Outdoor temperature	Indoor humidity
Cooling	64 to 90 °F (18 to 32 °C)	-4 to 122 °F (-20 to 50 °C)	80% or less
Drying	64 to 90 °F (18 to 32 °C)	-4 to 122 °F (-20 to 50 °C)	80% or less
Heating	86 °F (30 °C) or less	-13 to 75 °F (-25 to 24 °C)	-

- CCG24UPF (AC024FCUPCG/AA), CCG36UPF (AC036FCUPCG/AA)

Mode	Indoor temperatue	Outdoor temperature	Indoor humidity
Cooling	64 to 90 °F (18 to 32 °C)	-4 to 126 °F (-20 to 52 °C)	80% or less
Drying	64 to 90 °F (18 to 32 °C)	-4 to 126 °F (-20 to 52 °C)	80% or less
Heating	86 °F (30 °C) or less	-13 to 75 °F (-25 to 24 °C)	-

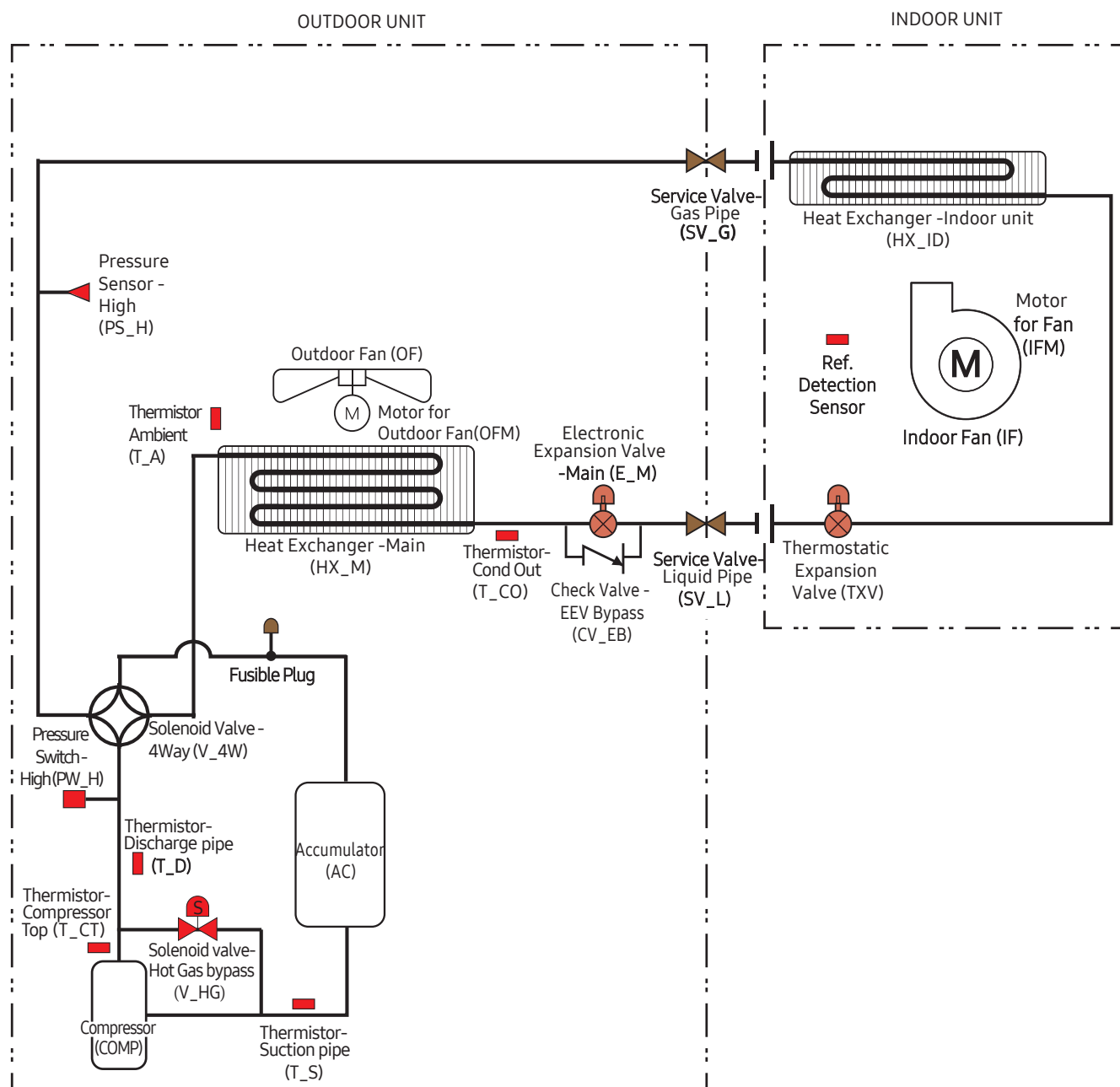
NOTE

- The assumed installation conditions are follows
 - The pipe length(including elbow) is 7.5m(24.6ft).
 - The level difference is 0 m.

10. Piping Diagram

Outdoor Units

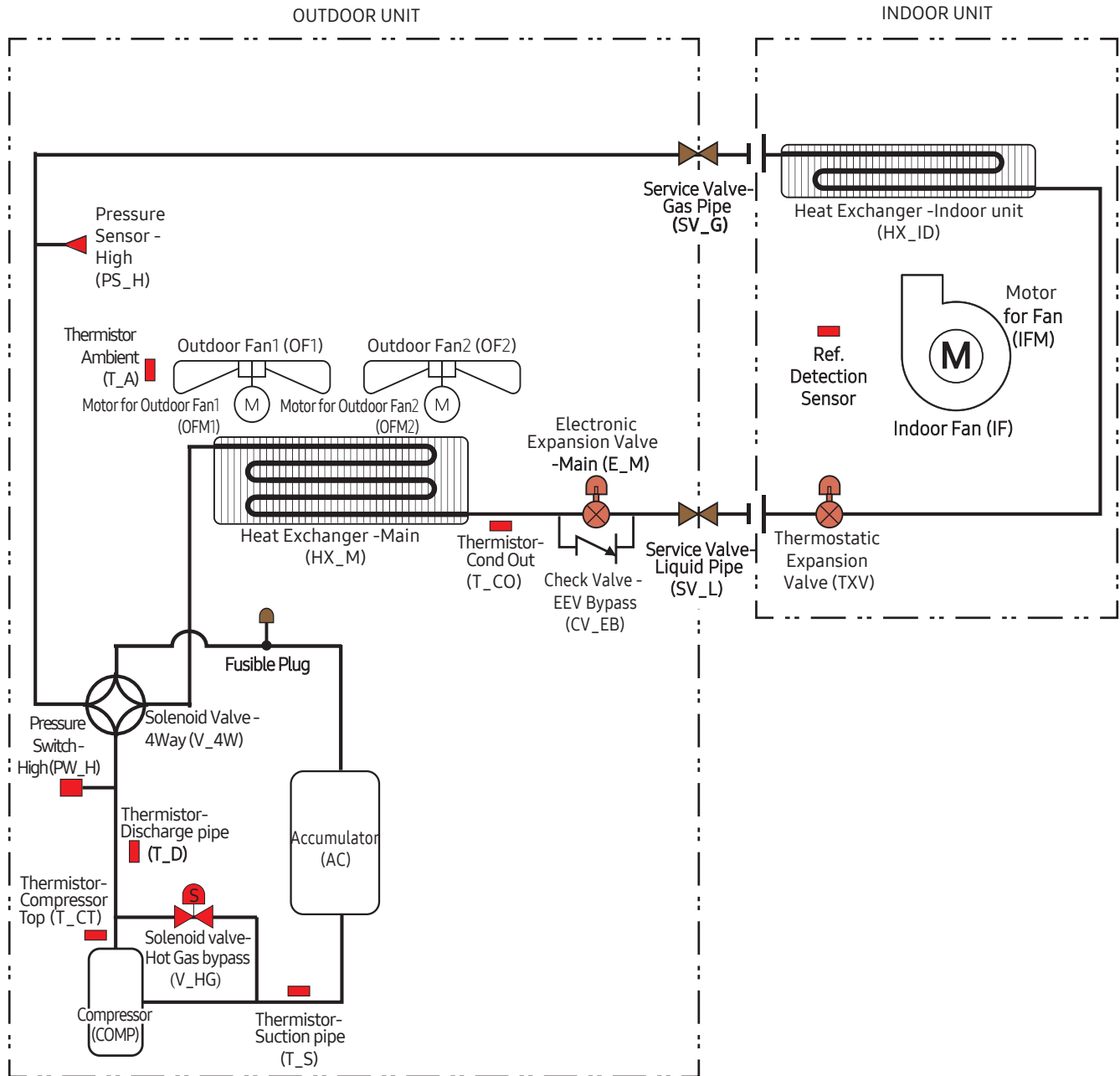
- CCG24UDF (AC024FCUDCG/AA), CCG36UDF (AC036FCUDCG/AA)



10. Piping Diagram

Outdoor Units

- CCG48UDF (AC048FCUDCG/AA), CCG60UDF (AC060FCUDCG/AA), CCG24UPF (AC024FCUPCG/AA)
CCG36UPF (AC036FCUPCG/AA), CCG48UPF (AC048FCUPCG/AA), CCG60UPF (AC060FCUPCG/AA)



11. Installation

Outdoor Units

Choosing the installation location

⚠ WARNING

- If appliances contain R-454B refrigerant, then the floor area of the room in which the appliances are installed, operated and stored must be larger than the minimum floor area defined in the table below A_{min} , [ft²(m²)].

📖 NOTE

- Observe the minimum floor areas specified in the indoor unit guide. Refer to the below table if no indoor unit guide is available.

Table 1

Refrigerant charge [m _c , lbs(kg)]	With R-454B sensor		Without R-454B sensor	
	Reference Height [h ₀ , ft(m)]		Reference Height [h ₀ , ft(m)]	
	1.97(0.6)	7.2(2.2)	1.97(0.6)	7.2(2.2)
	Minimum required room area [A _{min} , ft ² (m ²)]		Minimum required room area [A _{min} , ft ² (m ²)]	
≤ 3.915(1.776)	- no room area restrictions -		- no room area restrictions -	
3.918(1.777)	215(20.0)	58.8(5.46)	317(29.4)	58.7(5.46)
4.19(1.9)	218(20.3)	59.5(5.53)	325(30.2)	59.5(5.53)
4.41(2.0)	242(22.5)	66.1(6.14)	401(37.3)	66.1(6.14)
4.85(2.2)	267(24.8)	72.8(6.76)	486(45.1)	72.7(6.76)
5.29(2.4)	291(27.0)	79.3(7.37)	578(53.7)	79.3(7.37)
5.73(2.6)	315(29.3)	86(7.99)	678(63)	86.0(7.99)
6.17(2.8)	339(31.5)	92.6(8.6)	787(73.1)	92.6(8.60)
6.61(3.0)	364(33.8)	99.1(9.21)	903(83.9)	99.2(9.21)
7.05(3.2)	388(36.0)	106(9.83)	1028(95.5)	106(9.83)
7.50(3.4)	412(38.3)	112(10.4)	1160(108)	112(10.4)
7.94(3.6)	436(40.5)	119(11.1)	1301(121)	119(11.1)
8.38(3.8)	461(42.8)	126(11.7)	1449(135)	126(11.7)
8.82(4.0)	485(45.0)	132(12.3)	1606(149)	132(12.3)
9.26(4.2)	509(47.3)	139(12.9)	1770(164)	139(12.9)
9.70(4.4)	533(49.5)	145(13.5)	1943(181)	145(13.5)

Table 1 (cont.)

Refrigerant charge [m _c , lbs(kg)]	With R-454B sensor		Without R-454B sensor	
	Reference Height [h ₀ , ft(m)]		Reference Height [h ₀ , ft(m)]	
	1.97(0.6)	7.2(2.2)	1.97(0.6)	7.2(2.2)
	Minimum required room area [A _{min} , ft ² (m ²)]		Minimum required room area [A _{min} , ft ² (m ²)]	
10.14(4.6)	558(51.8)	152(14.1)	2124(197)	158(14.7)
10.58(4.8)	582(54.1)	158(14.7)	2312(215)	172(16.0)
11.02(5.0)	606(56.3)	166(15.4)	2509(233)	187(17.3)
11.46(5.2)	630(58.6)	172(16.0)	2714(252)	202(18.8)
11.90(5.4)	655(60.8)	179(16.6)	2926(272)	218(20.2)
12.35(5.6)	679(63.1)	185(17.2)	3147(292)	234(21.7)
12.79(5.8)	703(65.3)	192(17.8)	3376(314)	251(23.3)
13.23(6.0)	727(67.6)	198(18.4)	3613(336)	269(25.0)
13.67(6.2)	752(69.8)	205(19.0)	3858(358)	287(26.7)
14.11(6.4)	776(72.1)	212(19.7)	4111(382)	306(28.4)
14.55(6.6)	800(74.3)	219(20.3)	4372(406)	325(30.2)
14.99(6.8)	824(76.6)	225(20.9)	4641(431)	345(32.1)
15.43(7.0)	849(78.8)	231(21.5)	4918(457)	366(34.0)
15.87(7.2)	873(81.1)	238(22.1)	5203(483)	387(36.0)
16.31(7.4)	897(83.3)	244(22.7)	5496(511)	409(38.0)
16.76(7.6)	921(85.6)	251(23.3)	5797(539)	431(40.1)
17.20(7.8)	945(87.8)	258(24.0)	6106(567)	454(42.2)
17.64(8.0)	970(90.1)	265(24.6)	6423(597)	478(44.4)

- m_c : Total refrigerant charge in the system
- A_{min} : Minimum required room area
- Calculated in accordance with UL 60335-2-40 Annex GG
- The actual refrigerant charge shall be per the room size within which the refrigerant-containing parts are installed.
- When the appliance includes a refrigerant detector, the aggregate room area of spaces connected to the ductwork may be considered when determining the minimum room area. When no refrigerant detector is used, only the smallest room area may be considered.

11. Installation

Outdoor Units

- The ventilation machinery and outlets shall be operating adequately and not obstructed.
- If an indirect refrigerating circuit is being used, the secondary circuit shall be checked for the presence of refrigerant.
- Marking the equipment shall continue to be visible and legible. Markings and signs that are illegible shall be corrected.
- Refrigerating pipe or components shall be installed in a position where they are unlikely to be exposed to any substance that may corrode refrigerant-containing components unless the components are constructed of materials that are inherently resistant to being corroded or are suitably protected against being so corroded.
- **IMPORTANT:** It's mandatory to either follow the table above or follow the federal, state, and/or local regulations regarding the minimum room area allowed for the total refrigerant charge in the system.
- Minimum installation height depends on indoor unit specifications. Please refer to the indoor unit installation manual.

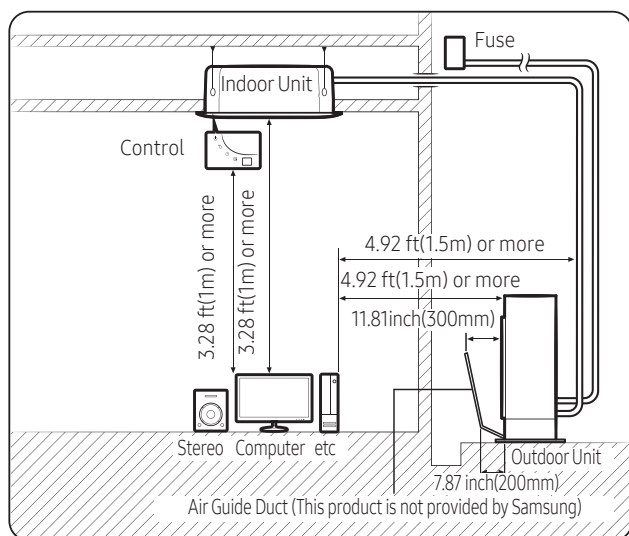
Installation location requirements

- The outdoor unit shall be installed in an open space that is always ventilated.
 - All national, state, and local codes and regulations shall be observed.
 - For installation inside a building (this applies either to indoor or outdoor units installed inside) a minimum room floor area of space conditioned is mandatory according to EN378-1:2017 (see the reference table in the indoor unit installation manual).
 - To handle, purge, and dispose of the refrigerant, or to break into the refrigerant circuit, the technician should have a certificate from an industry-accredited authority.
 - Do not install the air conditioner in the following areas.
 - The place where there is mineral oil or arsenic acid. Resin parts flame and the accessories may drop or water may leak. The capacity of the heat exchanger may reduce or the air conditioner may be out of order.
 - The place where corrosive gas such as sulfurous acid gas is generated from the vent pipe or air outlet. The copper pipe or connection pipe may corrode, and the refrigerant may leak.
 - The place where there is a machine that generates electromagnetic waves. The air conditioner may not operate normally due to the control system.
 - The place where there is a danger of existing combustible gas, carbon fiber or flammable dust.
 - The place where animals may urinate on the product. Ammonia may be generated.
 - The place where thinner or gasoline is handled. Gas may leak and it may cause fire.
 - The place that is close to heat sources.
 - Do not use the indoor unit for the preservation of food items, plants, equipment, and artwork. This may cause deterioration of their quality.
 - Do not install the indoor unit if it has any drainage problems.
 - Do not place the outdoor unit on its side or upside down. Failing to do so may cause the compressor lubrication oil to run into the cooling circuit and lead to serious damage to the unit.
 - Install the unit in a well-ventilated location away from direct sunlight or strong winds.
 - Install the unit in a location that would not obstruct any passageways or thoroughfares.
 - Install the unit in a location that would not inconvenience or disturb your neighbors, as they could be affected by the noise or the airflow coming from the unit.
 - Install the unit in a location where the pipes and the cables can be easily connected to the indoor unit.
 - Install the unit on a flat, stable surface that can withstand the weight of the unit. Otherwise, the unit can generate noise and vibration during operation.
-

11. Installation

Outdoor Units

- Install the unit so that the air flow is directed towards the open area.
- Maintain sufficient clearance around the outdoor unit, especially from a radio, computer, stereo system, etc.

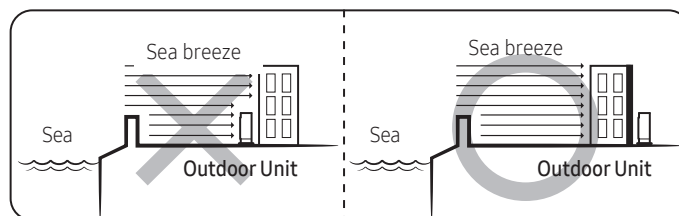


- Install the unit at a height where its base can be firmly fixed in place.
- Make sure that the water dripping from the drain hose runs away correctly and safely.

⚠ CAUTION

- You have just purchased a system air conditioner and it has been installed by your installation specialist.
- This device must be installed according to the national electrical codes.
- If your outdoor unit exceeds a net weight of 132.2lbs(60 kg), do not install it on a suspended wall, but stand it on the floor.
- The reliability of our product cannot be guaranteed when the ambient temperature is less than -13°F (-25°C).

- If you operate the cooling operation of the air conditioner in the condition where the ambient temperature is lower than 23 °F(-5°C) DB(Dry bulb), or the outdoor unit might be faced with strong wind directly, the wind baffle should be installed to prevent the outdoor unit fan from operating in reverse way.
- When installing the outdoor unit at the seaside, make sure that it is not directly exposed to sea breeze. If you cannot find an adequate place free from direct sea breeze, construct a protection wall or a protective fence.
 - Install the outdoor unit in a place (such as near buildings etc.) where it can be protected from sea breeze. Failure to do so may cause damage to the outdoor unit.



- If you cannot avoid installing the outdoor unit at the seaside, construct a protection wall around it to block the sea breeze.
- Construct a protection wall with a solid material such as concrete to block the sea breeze. Make sure that the height and the width of the wall are 1.5 times larger than the size of the outdoor unit. Also, secure a space larger than 27.6 inches(700mm) between the protection wall and the outdoor unit for exhausted air to ventilate.



11. Installation

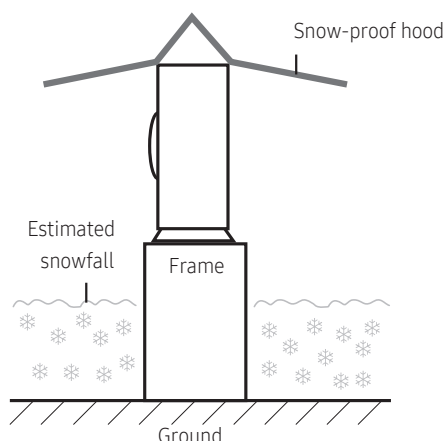
Outdoor Units

⚠ CAUTION

- Depending on the condition of the power supply, unstable power or voltage may cause malfunction of parts or control systems (for example : on a boat or places using power supplied from an electric generator, etc.).
 - Install the unit in a place where water can drain smoothly.
 - If you have any difficulty finding the installation location as prescribed above, contact your manufacturer for details.
 - Consider that the salinity particles clinging to the external panels should be sufficiently washed out. Be sure to clean seawater and dust from the outdoor unit heat exchanger and apply a corrosion inhibitor on it at least once a year.
 - Because the residual water at the bottom of the outdoor unit significantly promotes corrosion, make sure that the slope does not disturb drainage.
 - Keep the floor level so that rain does not accumulate.
 - Be careful not to block the drain hole due to foreign substances.
 - Be sure to clean the heat exchanger and base plate of the outdoor unit regularly from any collected sand and salt.
 - Touch up the additional protective coating (third party) if needed, at least once a year or according to the third party's product requirements
- Check the condition of the product periodically.
 - Check the installation site every 3 months and perform anti-corrosion treatment such as R-Pro supplied by Samsung (Code : MOK-220SA) or commercial water repellent grease and wax, etc., based on the product condition.
 - When the product is to be shut down for a long time, such as off-peak hours, take appropriate measures like covering the product.
 - If the product is installed within 1640.4 ft (500 m) of the seashore, a special anti-corrosion treatment is required.
 - ※ Please contact your local Samsung representative for further details.

⚠ CAUTION

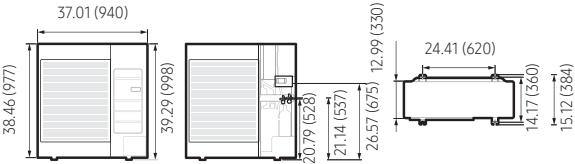
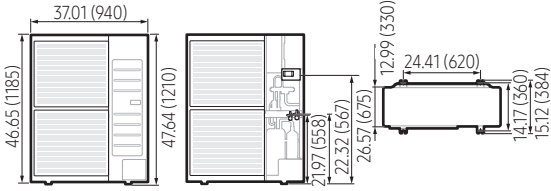
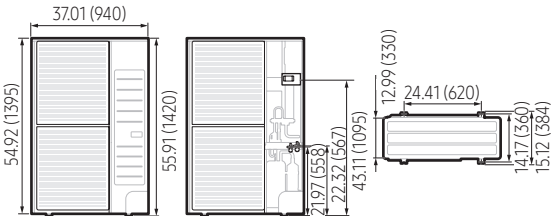
- In areas with heavy snowfall, piled snow could block the air intake. To avoid this incident, install a frame that is higher than the estimated snowfall. In addition, install a snow-proof hood to prevent snow from piling on the outdoor unit.



11. Installation

Outdoor Units

Unit : inch (mm)

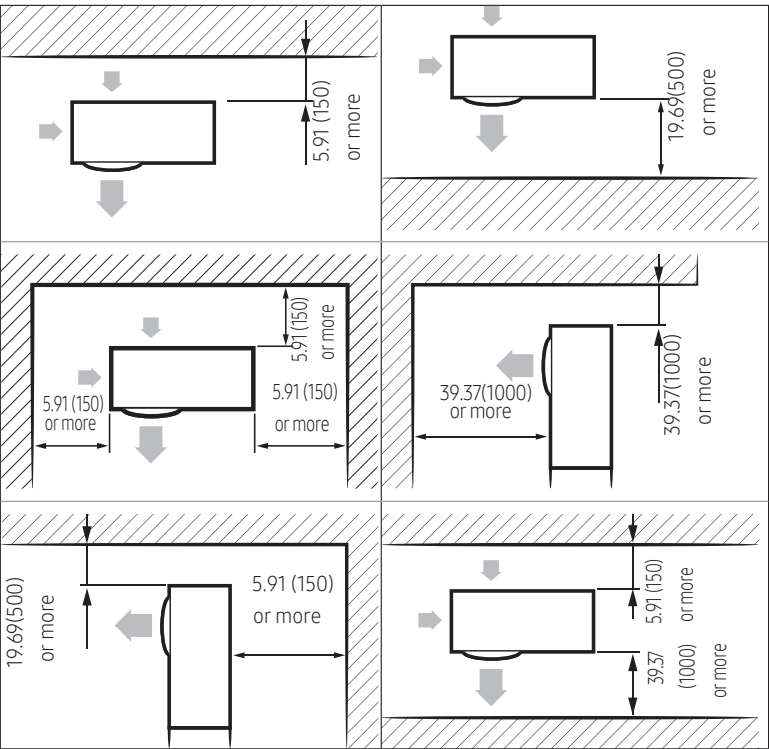
A Type
AC024/036FCUDCG
 Technical drawings of the A Type outdoor unit (AC024/036FCUDCG) showing front, side, and top views with dimensions in inches (mm): - Front View: 37.01 (940) width, 38.46 (977) height. - Side View: 39.29 (998) depth, 20.79 (528) height, 21.14 (537) height, 26.57 (675) height, 12.99 (330) height. - Top View: 24.41 (620) width, 14.17 (360) depth, 15.12 (384) depth.
B Type
AC048FCUDCG, AC024FCUPCG
 Technical drawings of the B Type outdoor unit (AC048FCUDCG, AC024FCUPCG) showing front, side, and top views with dimensions in inches (mm): - Front View: 37.01 (940) width, 46.65 (1185) height. - Side View: 47.64 (1210) depth, 21.97 (558) height, 22.32 (567) height, 26.57 (675) height, 12.99 (330) height. - Top View: 24.41 (620) width, 14.17 (360) depth, 15.12 (384) depth.
C Type
AC060FCUDCG, AC036/048/060FCUPCG
 Technical drawings of the C Type outdoor unit (AC060FCUDCG, AC036/048/060FCUPCG) showing front, side, and top views with dimensions in inches (mm): - Front View: 37.01 (940) width, 54.92 (1395) height. - Side View: 55.91 (1420) depth, 21.97 (558) height, 22.32 (567) height, 43.11 (1095) height, 12.99 (330) height. - Top View: 24.41 (620) width, 14.17 (360) depth, 15.12 (384) depth.

11. Installation

Outdoor Units

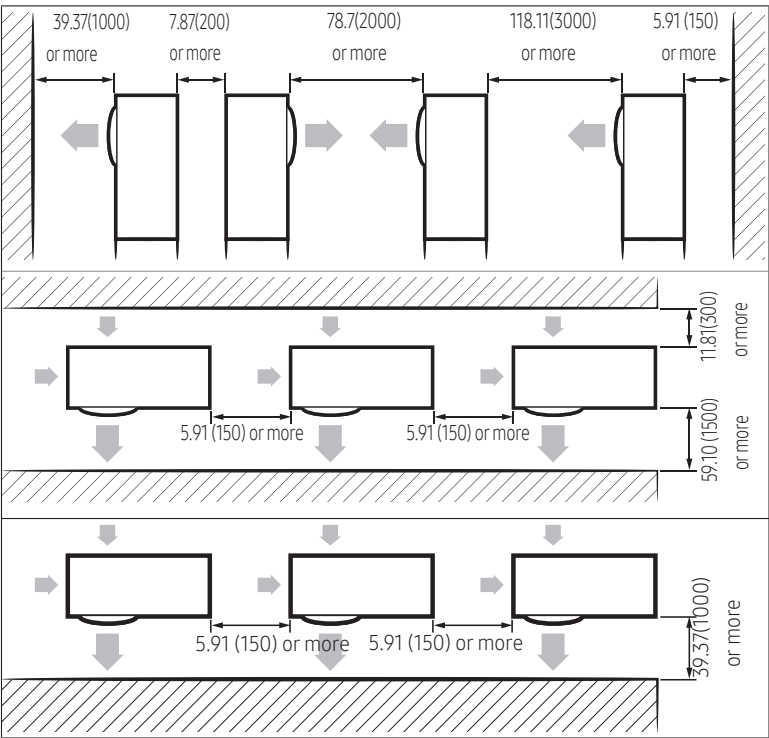
Minimum clearances for the outdoor unit

When installing 1 outdoor unit



Unit : inch (mm)

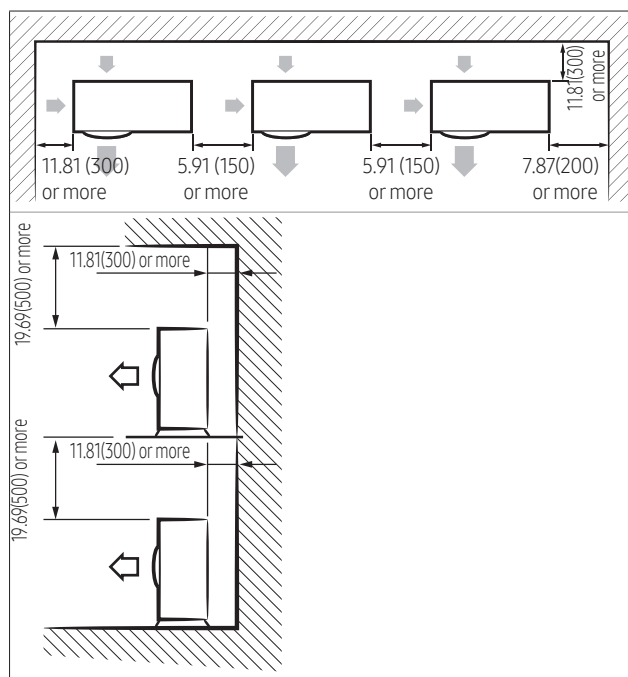
When installing more than 1 outdoor unit



Unit : inch (mm)

11. Installation

Outdoor Units

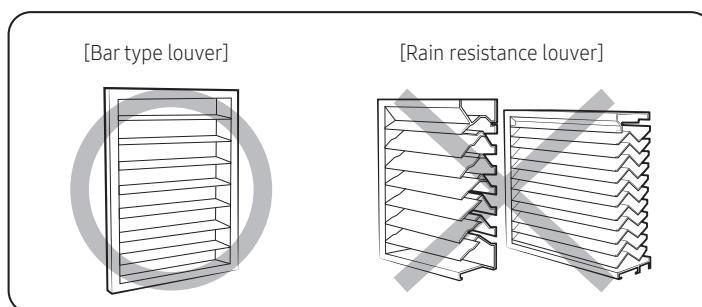


⚠ CAUTION

- The outdoor unit must be installed according to the specified clearance distances to permit accessibility from each side, and to guarantee correct operation, maintenance, and repair of the unit.
The components of the outdoor unit must be accessible and removable under safe conditions for people and the unit.

⚠ WARNING

- Should adopt bar type louver. Don't use a type of rain resistance louver.



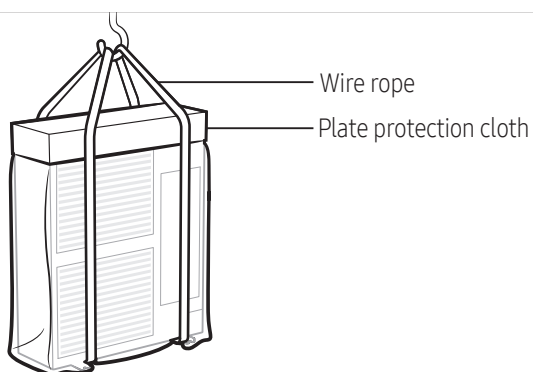
- Louver specifications.
 - Angle criteria : less than 20°
 - Opening ratio criteria : greater than 80%

11. Installation

Outdoor Units

Moving the outdoor unit with wire rope

- 1 Before carrying the outdoor unit, fasten two wire ropes of 26.25 ft (8m) or longer, as shown in the figure.
- 2 To prevent damages or scratches effectively, insert a piece of cloth between the outdoor unit and the ropes.
- 3 Move the outdoor unit.



11. Installation

Outdoor Units

Fixing the outdoor unit in place

Install the outdoor unit on a rigid and stable base to prevent disturbance from any noise caused by vibration. When installing the unit on tall stands or in a location exposed to strong winds, fix the unit securely to the ground or structure.

1 Position the outdoor unit so that the air flow is directed towards the outside, as indicated by the arrows on the top of the unit.

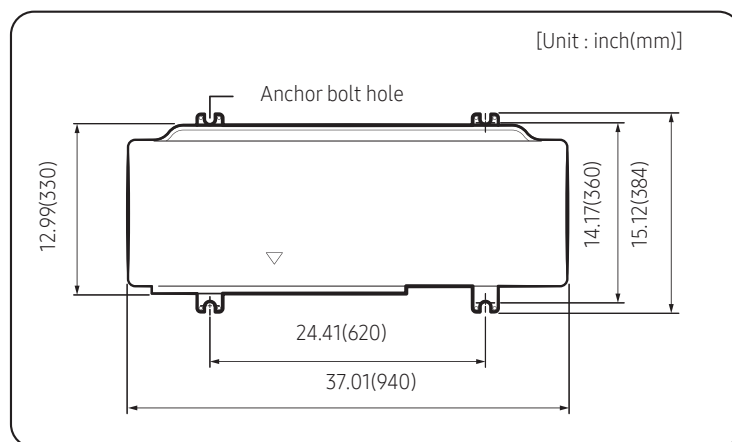
- Attach the outdoor unit to the appropriate support using anchor bolts.

2 The ground wire for the telephone line cannot be used to ground the air conditioner.

3 If the outdoor unit is exposed to strong winds, install shield plates around the outdoor unit, so that the fan can operate correctly.

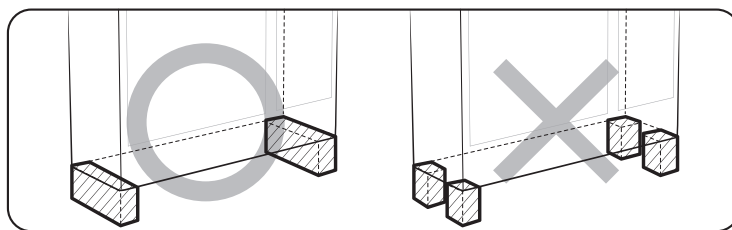
NOTE

- Install provided rubber legs to prevent vibration and noise.



CAUTION

- Install a drain outlet at the lowest end around the base for outdoor unit drainage.
- When installing the outdoor unit on the roof, waterproof the unit and check the ceiling strength.



11. Installation

Outdoor Units

Connecting the power cables, communication cable, and controllers.

You must connect the following two sets of electrical cables to the outdoor unit:

- The main power cables between the circuit breaker and the outdoor unit.
- The communication cables between the outdoor unit and ACU(AHU Control Unit).

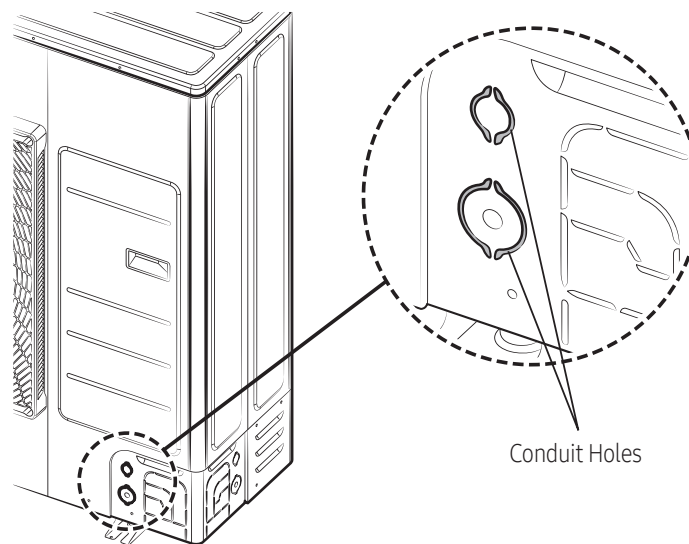
CAUTION

- During installation, first make the refrigerant connections and then the electrical connections. If the unit is being removed, first disconnect the electrical cables and then the refrigerant connections.
- Connect the air conditioner to ground before making the electrical connections.

Connecting wire conduits

When connecting cables between the indoor unit and the outdoor unit, use conduits to protect the cables.

- 1 Drill holes on the conduit plate in accordance with their use and quantity.
 - Use a nipper to remove conduit holes from the lower part of the cabinet.
(Do not remove it by hammering.)

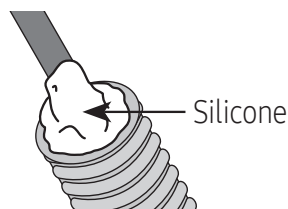


11. Installation

Outdoor Units

- 2 Insert the cables through the conduits, and then fix the conduits to the conduit plate with the lock nuts.
- 3 Apply silicone to the end of the hose to prevent rain from entering the hose.

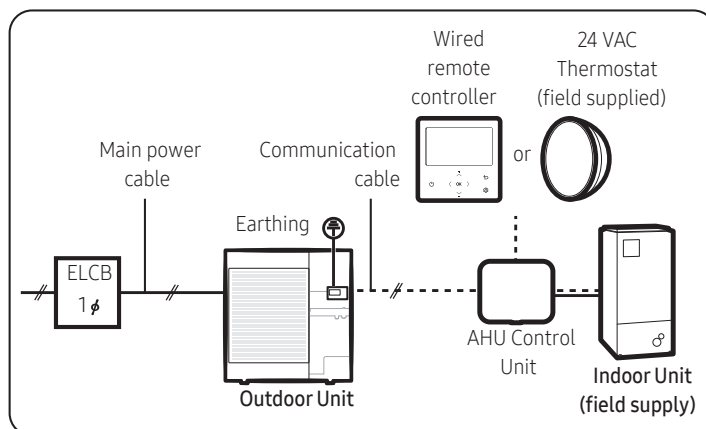
Conduit inserted into the outdoor unit



- 4 Connect the cables to the outdoor units. Refer to the next page for connection details.
- 5 Attach the conduit plate to the product.

Air conditioning system examples

When using earth leakage circuit breaker (ELCB) for a single phase



※ The appearance of the unit may be different from the picture depending on the model.

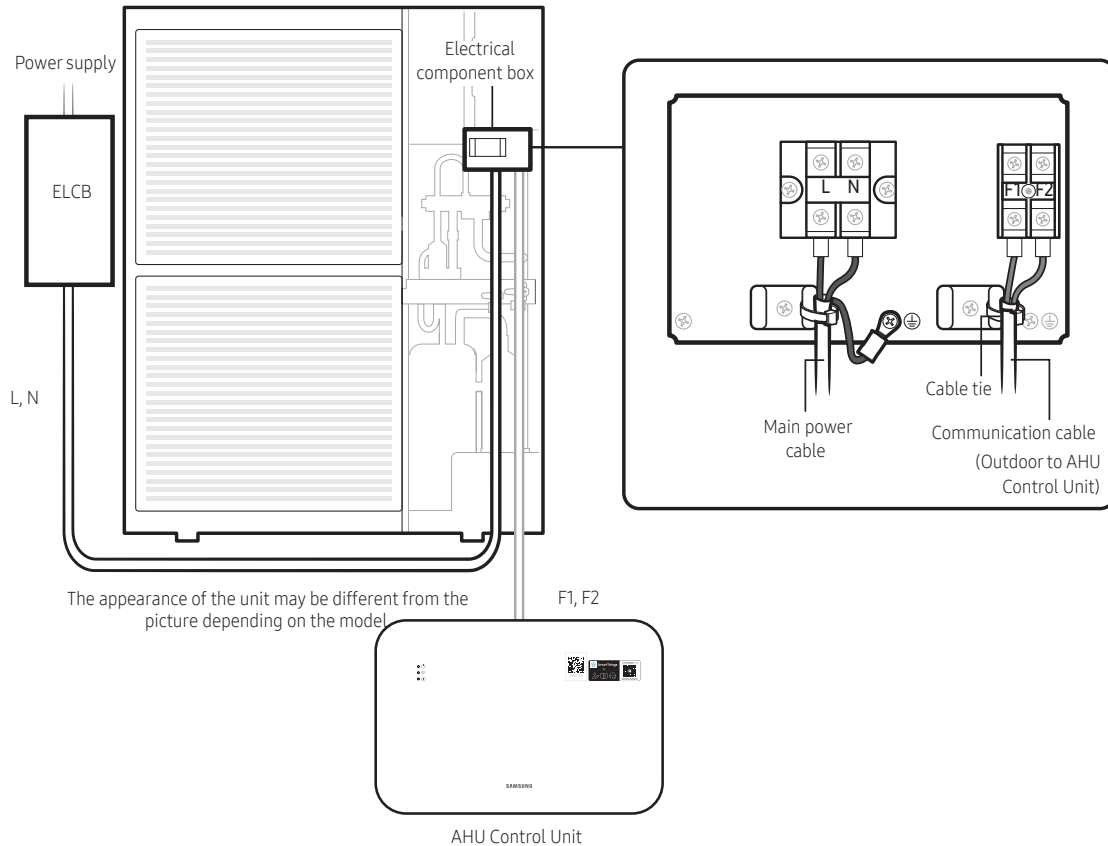
CAUTION

- Make sure to install an ELCB (RCD or RCCB) or ELB and MCB combination, according to local regulations.
- If the outdoor unit is installed in a location vulnerable to an electric leak or submergence, make sure to install an ELCB.
- ELCB must be installed since this product is equipped with a base heater.
- This product uses the R-454B refrigerant, be cautious not to generate any sparks near the product.

11. Installation

Outdoor Units

Connecting the main power cable



CAUTION

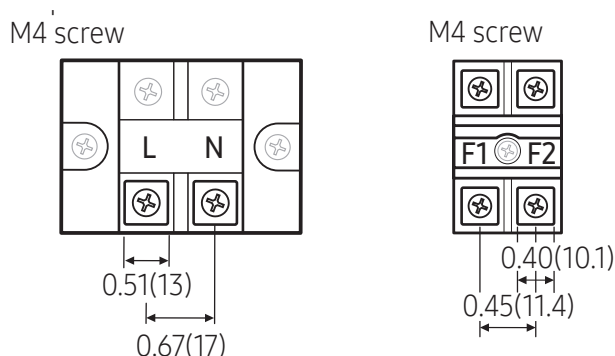
- You should connect the power cable to the power cable terminal and fasten it with a clamp.
- To protect the product from water and possible shock, you should keep the power cable and the connection cord of the indoor and outdoor units within ducts. (with appropriate IP rating and material selection for your application)
- Ensure that the main supply connection is made through a switch that disconnects all poles, with a contact gap of a least 0.12 inches(3mm).
- Devices disconnected from the power supply should be completely disconnected in the condition of overvoltage category.
- Keep distances of 1.97 inches(50 mm) or more between the power cable and communication cable. If a distance of 1.97 inches(50 mm) or more cannot be kept, a double shielded cable (FROHH2R or LiYCY type) must be used, connected to the earth on a single side.

11. Installation

Outdoor Units

Main power terminal block specifications

[Unit : inch(mm)]



Main power cable specifications

The power cable is not supplied with air conditioner.

- Select the power supply cable following relevant local and national regulations.
- Wire size must comply with the applicable local and national codes.
- Specifications for local power cord wiring and branch wiring must comply with local codes.

Model	Power Source	RLA(A)
Outdoor		
AC024FCUDCG	208-230V/60Hz	17.6
AC036FCUDCG		17.6
AC048FCUDCG		24.0
AC060FCUDCG		24.0
AC024FCUPCG		17.6
AC036FCUPCG		24.0
AC048FCUPCG		24.0
AC060FCUPCG		24.0

Model	MOC		MCA(A)	MOP(A)
Outdoor	FAN1(A)	FAN2(A)		
AC024FCUDCG	1.2	0	24.1	30
AC036FCUDCG	1.2	0	24.1	30
AC048FCUDCG	1.2	1.2	33.3	40
AC060FCUDCG	1.2	1.2	33.3	40
AC024FCUPCG	1.2	1.2	25.3	30
AC036FCUPCG	1.2	1.2	33.3	40
AC048FCUPCG	1.2	1.2	33.3	40
AC060FCUPCG	1.2	1.2	33.3	40

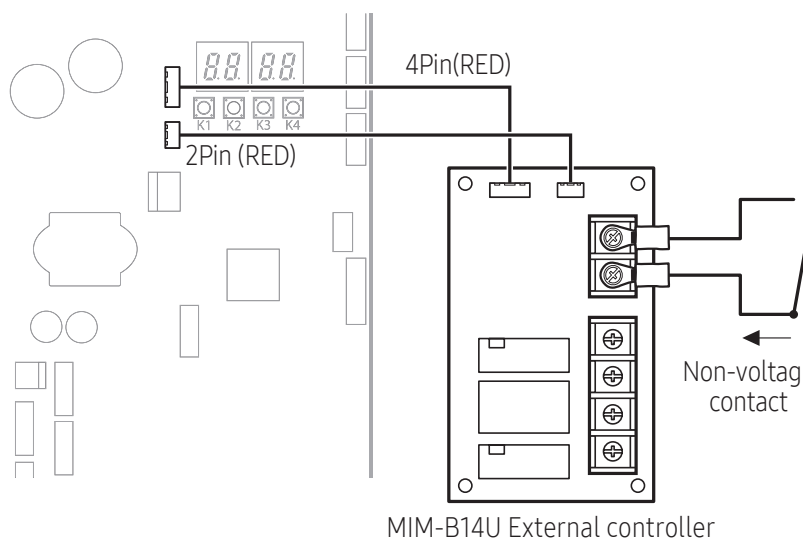
NOTE

- Outdoor units are installed using different power sources from that of indoor units, and this installation manual only provides the MCA/MOP values for outdoor units. For the MCA/MOP values for indoor units, refer to the installation manual for the indoor unit installed.
- RLA is based on AHRI 210/240 cooling standard condition [Indoor temp. : 26.7 °C / 80 °F(DB) / 19.46 °C / 67 °F(WB), Outdoor temp. : 35 °C / 95 °F(DB)]
- Voltage tolerance is $\pm 10\%$.
- Symbols
 - RLA: Rated Load Ampere (A)
 - MOC: Maximum Operating Current (A)
 - MCA: Minimum Circuit Ampacity (A)
 - MOP: Maximum Overcurrent Protection Device (A)
- Voltage range
 - Units are suitable for use on electrical systems where the voltage supplied to the unit terminal is not below or above listed range limits.
- Wire size & type must comply with the applicable local and national codes.
 - Wire size: Based on the value of MCA.
 - Wire type: 1-phase: 60245 IEC57(IEC) or H05RN-F(CENELEC) grade or more

11. Installation

Outdoor Units

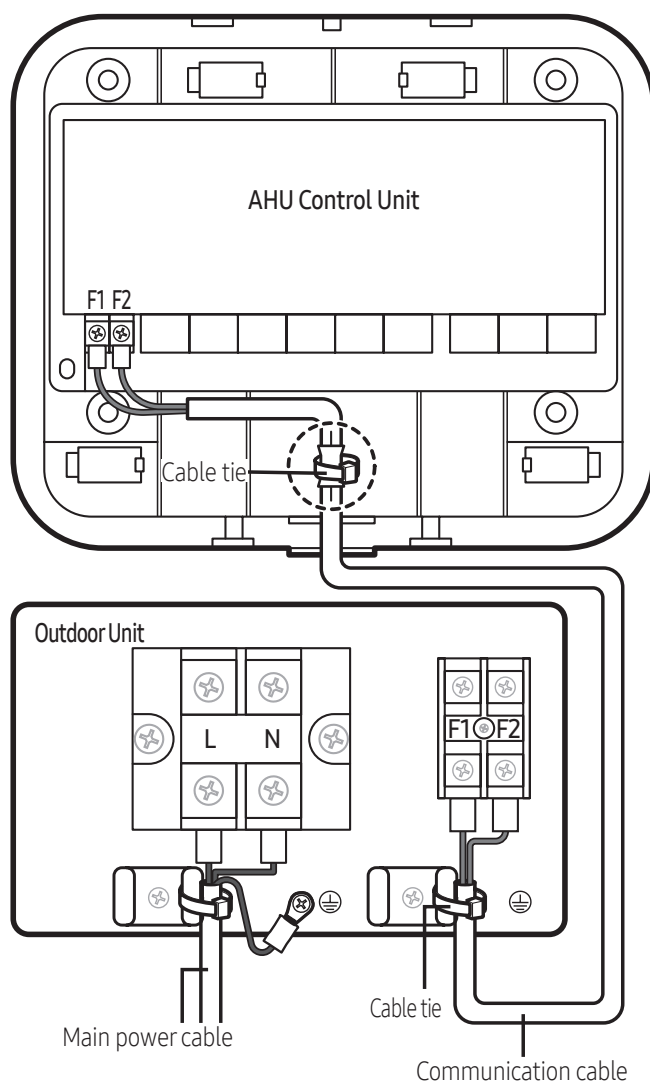
Silence mode controller wiring diagram with External controller



11. Installation

Outdoor Units

Connecting the main power cable and outdoor-to-ACU communication cable



NOTE

- Lay the electrical wiring so that the front cover does not rise up when doing wiring work and attach the front cover securely.
- The ground wire for ACU and outdoor unit connection cable must be clamped to a soft copper tin-plated eyelet terminal with M4 screw hole(NOT SUPPLIED WITH UNIT ACCESSORIES).
- The appearance of the unit may be different from the picture depending on the model.

11. Installation

Outdoor Units

Outdoor-to-ACU communication cable

- Connect the cables to the terminal board using the compressed ring terminal.
- Cover a solderless ring terminal and a connector part of the power cable and then connect it.
- Connect the rated cables only.
- Connect using a driver which can apply the rated torque to the screws.
- If the terminal is loose, fire may occur caused by arc. If the terminal is connected too firmly, the terminal may be damaged.

	Tightening torque	
	lbf•ft	N•m
M4	0.87 to 1.30	1.2 to 1.8
M5	1.45 to 2.17	2.0 to 3.0

CAUTION

- When connecting cables, you can connect the cables to the electrical part or connect them through the holes below depending on the spot.
- Connect the communication cable between AHU Control Unit(ACU) and outdoor units through a conduit to protect against external forces, and feed the conduit through the wall together with refrigerant piping.
- Remove all burrs at the edge of the knock-out hole and secure the cable to the outdoor knock-out using lining and bushing with electrical insulation such as rubber and so on.
- Must keep the cable in a protection tube.
- When the cables are connected through the hole, remove the knock-out piece.

Communication cable
AWG18↑(0.75mm ² ↑), 60245 IEC57(IEC) or H05RN-F(CENELEC) grade or more

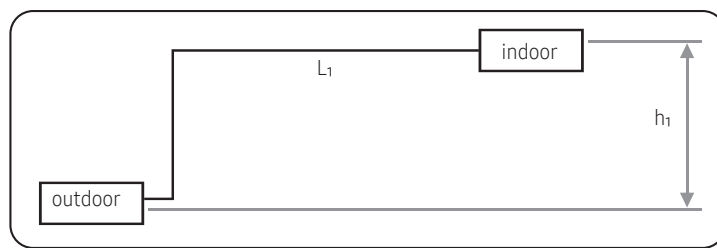
11. Installation

Outdoor Units

Connecting the refrigerant pipe

Maximum allowable pipe length [ft(m)]

	Model name	Main pipe Length(L1)	Max pipe height difference between outdoor and indoor unit(h1)
2Ton(Single fan)	AC024FCUDCG	164(50)	98(30)
3Ton(Single fan)	AC036FCUDCG	164(50)	98(30)
4Ton	AC048FCUDCG	164(50)	98(30)
5Ton	AC060FCUDCG	164(50)	98(30)
2Ton(Dual fan)	AC024FCUPCG	164(50)	98(30)
3Ton(Dual fan)	AC036FCUPCG	164(50)	98(30)
4Ton	AC048FCUPCG	164(50)	98(30)
5Ton	AC060FCUPCG	164(50)	98(30)



Recommended liquid and gas pipe diameters [inch(mm)]

	Model name	Liquid pipe diameter	Gas pipe diameter		
			Rated	Min	Max
2Ton(Single fan)	AC024FCUDCG	Φ3/8(9.52)	Φ3/4(19.05)	Φ5/8(15.88)	Φ7/8(22.23)
3Ton(Single fan)	AC036FCUDCG	Φ3/8(9.52)	Φ3/4(19.05)	Φ5/8(15.88)	Φ7/8(22.23)
4Ton	AC048FCUDCG	Φ3/8(9.52)	Φ7/8(22.23)	Φ3/4(19.05)	Φ1-1/8(28.58)
5Ton	AC060FCUDCG	Φ3/8(9.52)	Φ7/8(22.23)	Φ3/4(19.05)	Φ1-1/8(28.58)
2Ton(Dual fan)	AC024FCUPCG	Φ3/8(9.52)	Φ7/8(22.23)	Φ5/8(15.88)	Φ7/8(22.23)
3Ton(Dual fan)	AC036FCUPCG	Φ3/8(9.52)	Φ7/8(22.23)	Φ3/4(19.05)	Φ1-1/8(28.58)
4Ton	AC048FCUPCG	Φ3/8(9.52)	Φ7/8(22.23)	Φ3/4(19.05)	Φ1-1/8(28.58)
5Ton	AC060FCUPCG	Φ3/8(9.52)	Φ7/8(22.23)	Φ3/4(19.05)	Φ1-1/8(28.58)

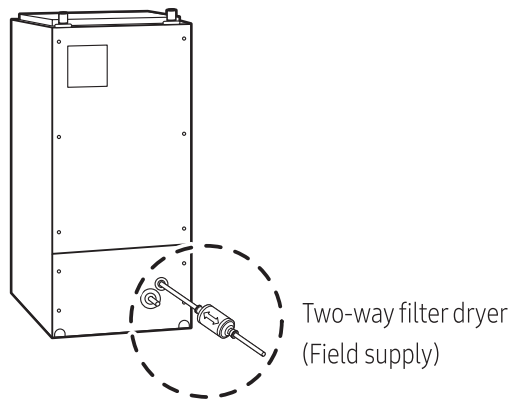
11. Installation

Outdoor Units

Reuse existing refrigerant lines

To retrofit the outdoor unit by using the existing piping, be sure to:

- Confirm that the existing pipe diameter, length, and height difference between outdoor and indoor unit meet the requirements listed above.
- Confirm that the maximum pressure for the indoor unit is equal or higher than the maximum pressure for the outdoor unit.
- Confirm that the indoor unit is compatible with R-454B, and utilizes a Thermostatic Expansion Valve (TXV). If existing indoor unit utilizes an orifice plate, replace the orifice plate with a R-454B TXV.
- Flush the inside of the piping to remove moisture, oil and any other foreign matter.
- If the unit will be configured as a heat pump, a heat pump TXV must be installed.
- For newly installed pipes or when using existing refrigerant pipes, always install a new, two-way filter dryer on the liquid pipe at the indoor or outdoor unit.



NOTE

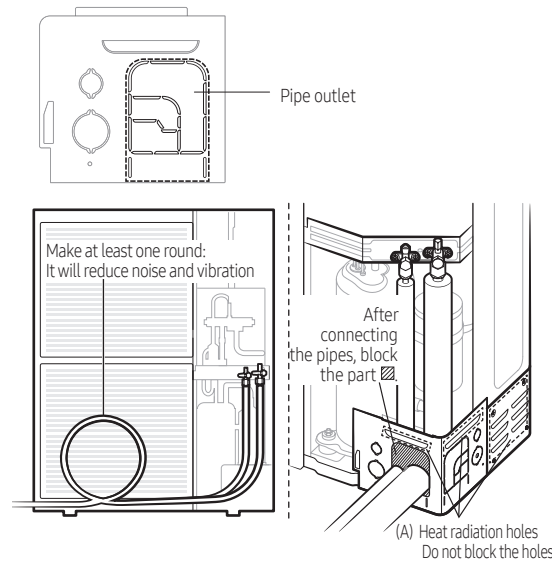
- Make sure to remove the transparent covers at the edge of the pipes before connecting the pipes.

11. Installation

Outdoor Units

CAUTION

- While on site and prior to installation, protect or enclose refrigerant tubing to avoid mechanical damage.



The designs and shape are subject to change according to the model.

- The refrigerant pipe can be pulled out from front, side, rear and bottom side, so install it depending on the installation site condition.

CAUTION

- Cut the pipe outlet to the exact pipe size. In addition, remove foreign substances and burr around the outlet.
- Make sure not to damage the exterior of the outdoor unit.
- Perform cutting with only a cutter (ex. nipper) and never tap with a hammer near the pipe outlet. Otherwise, it may cause product damage such as warping of the cabinet.
- After connecting the pipes block the space around the pipes where they enter the outdoor unit chassis to prevent small animals from entering. However, the radiant heat hole (A) should be able to intake air.

11. Installation

Outdoor Units

Adjusting refrigerant (R-454B)

Precautions on adding the R-454B refrigerant

In addition to the conventional charging procedure, the following requirements shall be kept.

- Make sure that contamination by other refrigerants does not occur for charging.
- To minimize the amount of refrigerant, keep the hoses and lines as short as possible.
- The cylinders shall be kept upright.
- Make sure that the refrigeration system is grounded before charging.
- Label the system after charging, if necessary.
- Extreme care is required not to overcharge the system.
- Before charging, the pressure shall be checked with nitrogen blowing.
- After charging, check for leakage before commissioning.
- Be sure to check for leakage before leaving the work area.

The outdoor unit comes with an optimized amount of refrigerant for the outdoor unit when connected to the AHRI listed indoor unit used as part of the tested basic model group (tested combination).

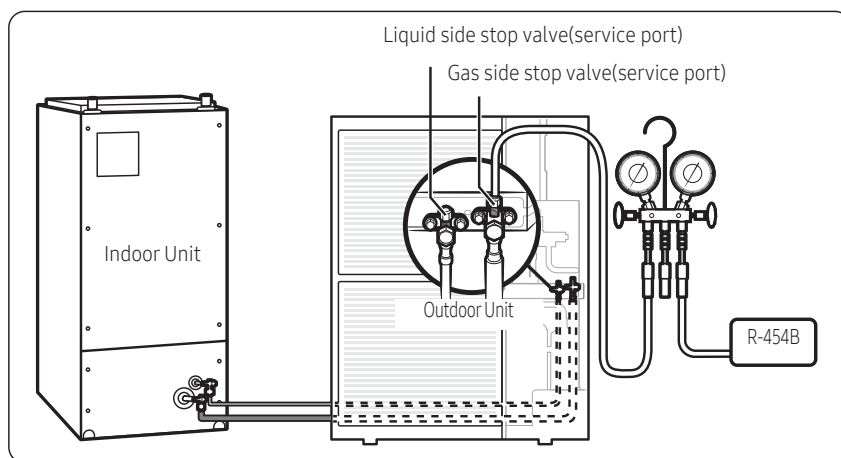
If the outdoor unit has been retrofitted to third-party air handler, be sure to adjust the amount of refrigerant to the amount calculated by using the internal coil volume of the indoor unit and the length of the installed piping.

If the internal coil volume of the indoor unit cannot be determined, calculate the total refrigerant amount by using following tables.

The calculated total refrigerant amount cannot exceed the maximum refrigerant amount.

CAUTION

- Charging an excessive amount of refrigerant may damage the compressor.
- 1 Check if the stop valve is closed completely.
 - 2 Charge the refrigerant through the service port of the gas stop valve
 - 3 If you have any difficulty charging the refrigerant as described in the steps above, take the following steps:
 - a Open the liquid stop valve and gas stop valve.
 - b Operate the air conditioner by pressing the K2 button once on the outdoor unit PCB.
 - c After the system has stabilized, charge the refrigerant through the service port of the gas service valve.



11. Installation

Outdoor Units

Calculating the additional refrigerant charge

When connecting to an AHRI listed indoor unit used as part of the tested basic model group (tested combination).

Total refrigerant amount = Amount charged at factory + Additional refrigerant amount due to fit piping length

Additional refrigerant amount by total liquid piping length

	0~24.6ft	24.6ft over
All Model	0	0.5 oz/ft

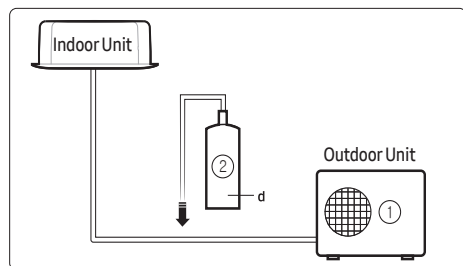
Total maximum refrigerant amount

Capa.	Model name	Factory Charging	Total maximum refrigerant amount (Factory charging + additional charging)
2Ton	AC024FCUDCG	6.4 lbs	10.75 lbs
3Ton	AC036FCUDCG	6.4 lbs	10.75 lbs
4Ton	AC048FCUDCG	8.4 lbs	12.73 lbs
5Ton	AC060FCUDCG	8.8 lbs	13.17 lbs
2Ton	AC024FCUPCG	7.1 lbs	11.41 lbs
3Ton	AC036FCUPCG	9.9 lbs	14.28 lbs
4Ton	AC048FCUPCG	12.1 lbs	16.48 lbs
5Ton	AC060FCUPCG	12.1 lbs	16.48 lbs

⚠ CAUTION

Please fill in the following with indelible ink on the refrigerant charge label supplied with this product and on this manual.

- ① the factory refrigerant charge of the product,
- ② the additional refrigerant amount charged in the field and
- ① + ② the total refrigerant charge. on the refrigerant charge label supplied with the product.



Unit	oz(g)
①, a	
②, b	
① + ②, c	

📄 NOTE

- a Factory refrigerant charge of the product: see unit nameplate
- b Additional refrigerant amount charged in the field (Refer to the above information for the quantity of refrigerant replenishment.)
- c Total refrigerant charge
- d Refrigerant cylinder and manifold for charging

⚠ CAUTION

- Make sure that the total refrigerant charge does not exceed "Total maximum refrigerant amount" in the table.
- After filling out the refrigerant charge label, attach it adjacent to the nameplate of the compressor bearing unit.

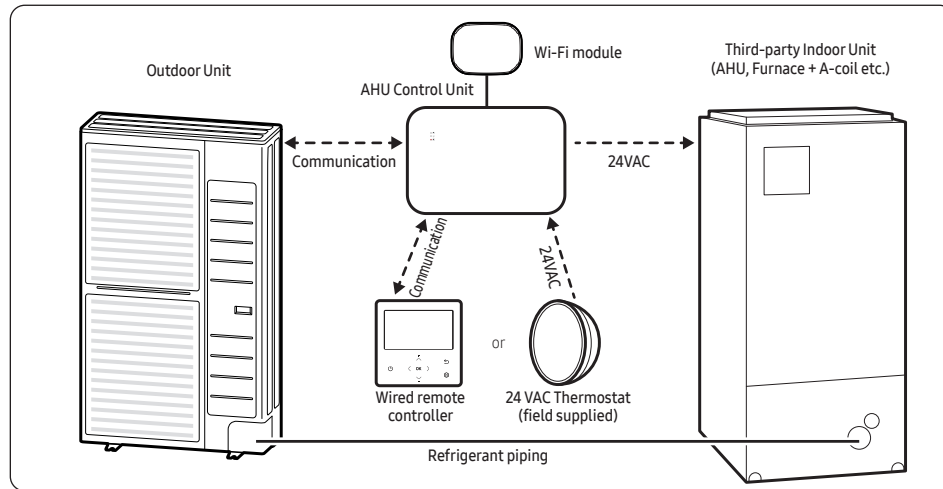
11. Installation

AHU Control Unit

Functions of the AHU Control Unit (ACU)

- The AHU Control Unit (ACU) controls the system based on input signals from a 24VAC thermostat.
- With the wired remote control instead of a 24VAC thermostat, the system can be controlled more precisely.
- The AHU Control Unit (ACU) provides 24 VAC output signals for the thermostat to the third-party indoor unit. for the circuit diagram for the AHU Control Unit (ACU).

Structure Diagram of the AHU Control Unit (ACU)

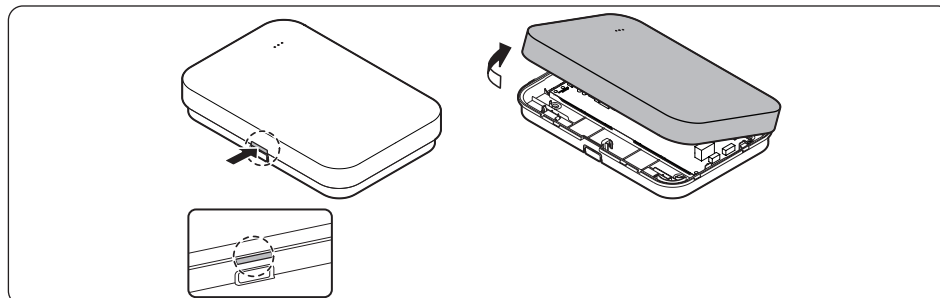


Installation

⚠ CAUTION

- The AHU Control Unit (ACU) should be installed by a qualified person, according to the relevant local wiring regulations and this installation manual.
- Turn off the power before connecting the terminals.
- Install wires according to the relevant electrical wiring regulations. Ensure that the wires are installed inside the indoor unit or on a wall near the indoor unit, to prevent access by users.
- Do not install the AHU Control Unit (ACU) outdoors.
- Do not install the AHU Control Unit (ACU) in a location with direct sunlight or a location with a risk that the AHU Control Unit (ACU) may come into contact with liquid or may be impacted.
- Close the AHU Control Unit (ACU) securely.

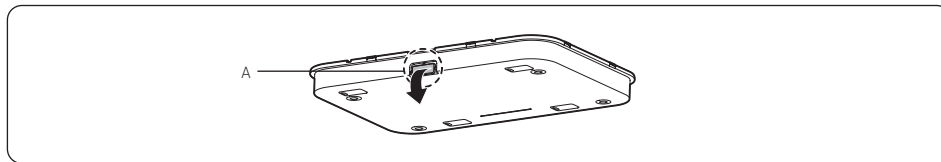
- 1 Pull the middle area up to open the front cover, as shown in the figure.



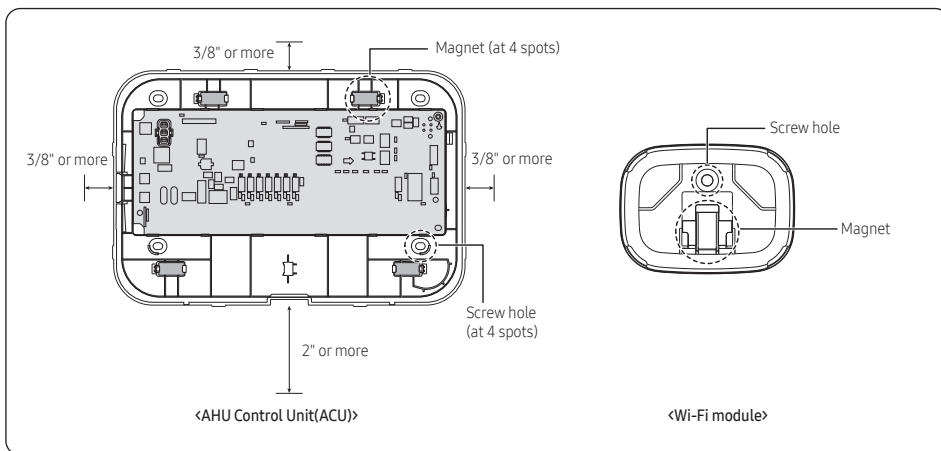
11. Installation

AHU Control Unit

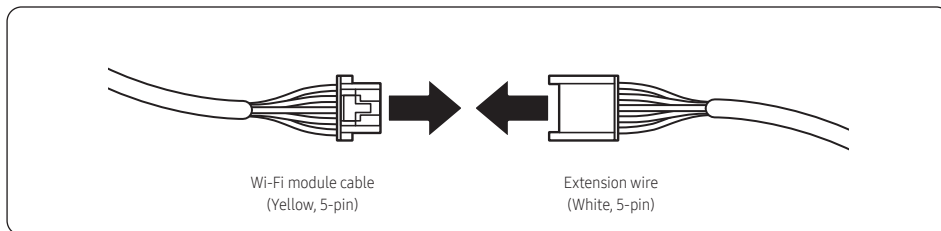
- Before affixing the AHU Control Unit (ACU), remove area A on the rear cover as shown in the figure below. Insert wires into this opening.



- The magnets attached to the rear cover of AHU Control Unit(ACU) and Wi-Fi module holder can be used to fix the device to the indoor unit. If the device cannot be fixed properly with the magnets, use the supplied screws to fix to the unit or a nearby structure.
 - Before attaching the rear cover of AHU Control Unit(ACU) and Wi-Fi module holder, ensure there are gaps of at least 3/8" along the top and the left and right sides of the device and a gap of at least 2" along the bottom.



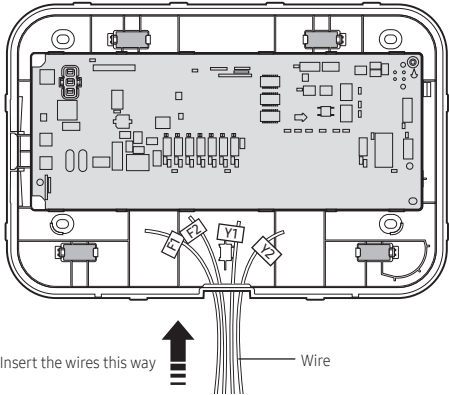
- The distance between AHU Control Unit(ACU) and Wi-Fi module should not be exceeded beyond the length of the supplied wire.
- In some cases, the Wi-Fi module may need to be relocated to improve the Wi-Fi signal connection.
- If the length extension is required, use an enclosed Wi-Fi connecting extension wire. Connect white housing of the wire to the wire of Wi-Fi module(yellow, 5-pin).



11. Installation

AHU Control Unit

- 4 Insert the wires into the device by passing them through the opening created in step 2.
- 5 Use the supplied labels to label the wires before connecting to the corresponding terminals.



Insert the wires this way

Wire

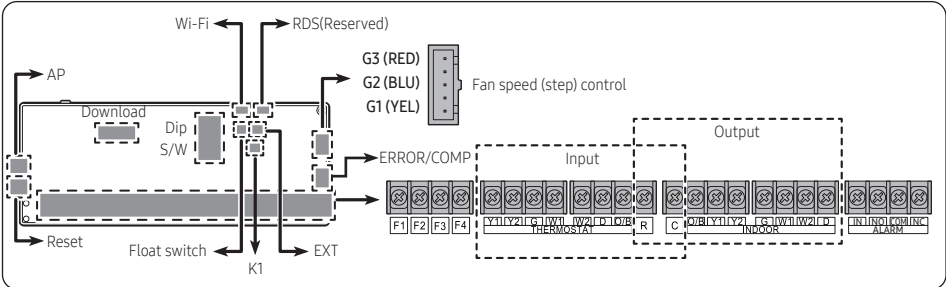
Label the wires at your AHU Control Unit.

Outdoor		Thermostat		Indoor	
F1	F1	Y1	Y1	Y1	Y1
F2	F2	Y2	Y2	Y2	Y2
F3	F3	G	G	G	G
F4	F4	W1	W1	W1	W1
		W2	W2	W2	W2
		D	D	D	D
		O/B	O/B	O/B	O/B
		R	R	R	R
		C	C	C	C

11. Installation

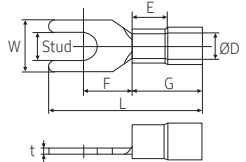
AHU Control Unit

6 Connect the wires to the corresponding terminal blocks and connectors.



Name	Description	
Terminal Block	F1	Outdoor unit communication
	F2	Outdoor unit communication
	F3	Wired remote control
	F4	Wired remote control
	Y1	Compressor Stage 1
	Y2	Compressor Stage 2
	G	Indoor fan
	W1	Auxiliary heater Stage 1
	W2	Auxiliary heater Stage 2
	D	(De)humidifier
	O/B	4-way reversing valve
	R	AC Power 24 V
	C	AC Power 24 V
	IN	RDS Alarm Input(AC24V)
	NO	RDS Alarm output(Normal Open)
	COM	Common
	NC	RDS Alarm output(Normal Close)
Port	Wi-Fi	Wi-Fi port
	RDS	Reserved(Refrigerant Detection System)
	Float switch	Float switch port
	EXT	Input port for external contact control
	ERROR/COMP	Contact output port for error and compressor operation check
	G1	Fan speed (step) control, YEL
	G2	Fan speed (step) control, BLU
	G3	Fan speed (step) control, RED

Compression ring terminal specifications for connection to the AHU Control Unit (ACU) PCB.

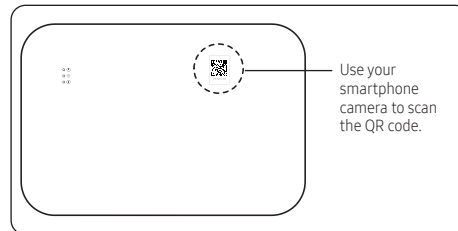
Range of Permitted Wires		Rated Size	Stud Size	Basic Size [inch (mm)]						
AWG	inch² (mm²)	inch² (mm²)	inch (mm)	t	ØD	G	E	F	W	L
22 to 16	0.0003 to 0.0025	0.0023	0.1181	0.0275	0.1496	0.3937	0.1771	0.2559	0.2362	0.8346
	(0.25 to 1.65)	(1.5)	(3)	(0.7)	(3.8)	(10.0)	(4.5)	(6.5)	(6.0)	(21.2)

- F1, F2 communication wire: Maximum distance from outdoor unit to the ACU: 328 ft (100m)
- F1, F2 communication wires: 18 AWG solid core

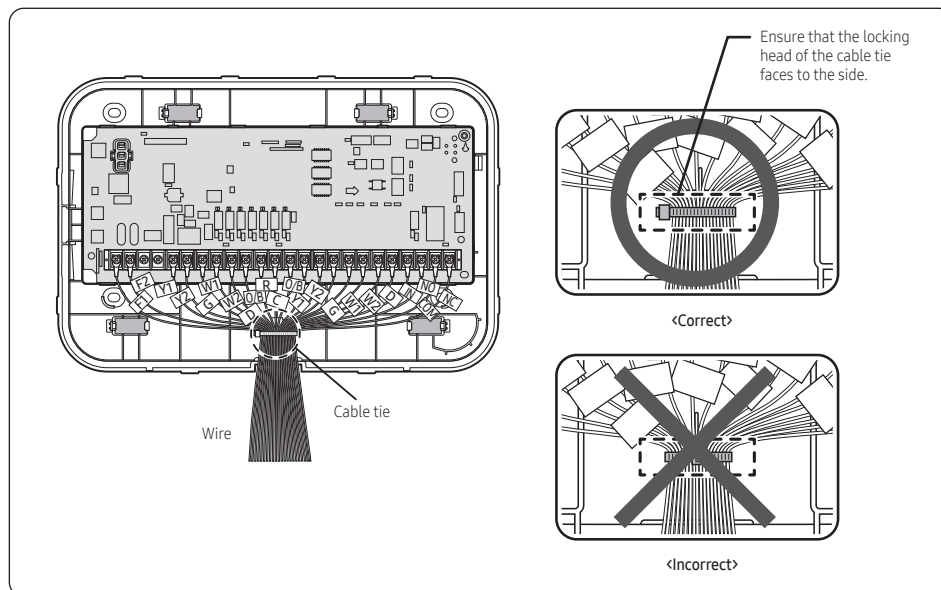
11. Installation

AHU Control Unit

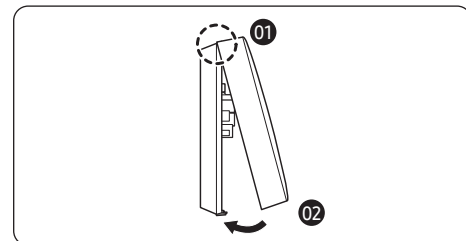
- 7 Set the DIP switches to fit the application requirements. Scan the QR code attached to the front cover of the AHU Control Unit (ACU) using a smartphone camera to use an on-line system configuration wizard. For further information about DIP switch settings, refer to the Option Setting.



- 8 Pass the supplied cable tie through the wire organizer loop, secure the wires connected to the terminal blocks. Ensure that the locking head of the cable tie faces the side.



- 9 Align the front cover with the top of the AHU Control Unit (ACU) body, and then close the front cover.



NOTE

- After assembly, make sure that no wires are caught in the gap between the front and rear covers.

