



Product Catalog

C-Series

Low Ambient Cooling Indoor and Outdoor Units



Indoor Models:
4MUW4518A10N0*
4MUW4524A10N0*
4MUW4530A10N0*
4MUW4536A10N0*



Outdoor Models:
4TUK4518A10N0*
4TUK4524A10N0*
4TUK4530A10N0*
4TUK4536A10N0*



Introduction

Read this manual thoroughly before operating or servicing this unit.

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Model Number Description

Indoor Unit Model Number Description

Digit 1 — Refrigerant

4 = R410A

Digit 2 — Product type

M = Mini-split indoor unit

Digit 3 — System type

U = C-Series universal match

Digit 4 — System type

W = High-wall

Digit 5 — Standard model

4 = Standard model

Digit 6 — Connection type

5 = Flare

**Digit 7, 8 — Nominal capacity
(Btu/h x 1,000)**

18 = 18,000 Btu/h

24 = 24,000 Btu/h

30 = 30,000 Btu/h

36 = 36,000 Btu/h

**Digit 9 — Major development
sequence**

A = First development sequence

B = Second development sequence

C = Third development sequence

D = Fourth development sequence

**Digit 10 — Major development
sequence**

1 = 208-230/60/1

Digit 11 — Reserved for future use

0 = Standard

Digit 12 — Miscellaneous digit

N = North America market (mini-split models)

Digit 13 — Reserved for future use

0 = Standard

Digit 14 — Minor design sequence

A = First design sequence

B = Second design sequence

C = Third design sequence

D = Fourth design sequence

Outdoor Unit Model Number Description

Digit 1 — Refrigerant

4 = R410A

Digit 2 — Brand name

T = Trane

Digit 3 — System type

U = Universal match heat pump

Digit 4 — Configuration type

K = Outdoor unit

**Digit 5 — Efficiency tier and/or
special application**

L = Low ambient cooling only unit

Digit 6 — Series number

5 = Standard model

**Digit 7, 8 — Nominal capacity
(Btu/h x 1,000)**

18 = 18,000 Btu/h

24 = 24,000 Btu/h

30 = 30,000 Btu/h

36 = 36,000 Btu/h

**Digit 9 — Major development
sequence**

A = First development sequence

B = Second development sequence

C = Third development sequence

D = Fourth development sequence

**Digit 10 — Electric power supply
characteristics**

1 = 208-230/60/1

Digit 11 — Reserved for future use

0 = Not currently used

Digit 12 — Region of sale

N = North America (UL or ETL)

Digit 13 — Reserved for future use

0 = Not currently used

Digit 14 — Minor design sequence

A = First design sequence

B = Second design sequence

C = Third design sequence

D = Fourth design sequence



Products

Application Matrix

Type		MBH						
		18	20	24	27	30	32	36
High wall unit		X		X		x		x

Controls

Centralized Control Systems

Type	Model Number
VRF touch screen control	TVCTRLTCMA300T

Integrated System Management

Type	Model Number
VRF power meter interface (PIM)	TVCTRLTIMB16A0

Building Management System Gateways

Type	Model Number
VRF system controller+BACnet® Note: This controller enables BACnet integration.	TVCTRLSCBB17A0

Commissioning Utility Kits

Type	Model Number
VRF Technician Utilities Tool (TUT)	TVCTRLTIMC0300

Accessories

Family	Description	Model Number
Wind Baffles	4TUK4518A10N0A	CSERWINDBFL18A
	4TUKL518A10N0A	CSERWINDB4018A
	4TUK4524A10N0A 4TUK4530A10N0A 4TUKL524A10N0A 4TUKL530A10N0A 4TUKL536A10N0A	CSERWINDBFL24A
	4TUK4536A10N0A	CSERWINDBFL36A



Product Specification

Table 1. Product Specification: 4MUW4518A10N0* and 4MUW4524A10N0*

Model Name		Indoor Unit			4MUW4518A10N0*	4MUW4524A10N0*
		Outdoor Unit			4TUK4518A10N0*	4TUK4524A10N0*
System	Mode				-	Cooling Only
	Performance	Capacity (min/std/max)	Cooling	Btu/h	4,000 / 18,000 / 20,000	7,000 / 24,000 / 27,000
			Heating	Btu/h	-	-
	Power	Power Input (min/std/max)	Cooling	kW	0.23 / 1.99 / 2.42	0.32 / 2.27 / 3.5
			Heating		-	-
		Current input (min/std/max)	Cooling	A	1.5 / 8.5 / 10.5	1.8 / 10.0 / 15.0
			Heating		-	-
		Current	MCA	A	10	14
			MOP		15	20
	Energy efficiency	EER	Cooling	(Btu/h)/W	9.05	10.57
		COP	Heating	W/W	-	-
		SEER			-	18.8
	Piping connections	Liquid pipe		Type	Flare connection	Flare connection
				inch	1/4	1/4
		Gas pipe		Type	Flare connection	Flare connection
				inch	1/2	5/8
		Heat insulation		-	Both liquid and gas pipes	Both liquid and gas pipes
		Piping length (ODU-IDU)	Standard	ft	24.6	24.6
			Max.	ft	98.4	164.0
			Elevation	ft	65.6	98.4
			Chargeless	ft	24.6	24.6
	Wiring connections	Communication	Min.	mm ²	0.75	0.75
			Remark	-	F1, F2	F1, F2
	Refrigerant	Type		-	R410A	R410A
		Control method		-	EEV	EEV
		Factory charging		lbs	2.87	4.41

Table 1. Product Specification: 4MUW4518A10N0* and 4MUW4524A10N0* (continued)

Model Name			Indoor Unit		4MUW4518A10N0*	4MUW4524A10N0*	
			Outdoor Unit		4TUK4518A10N0*	4TUK4524A10N0*	
Indoor unit	Power supply				C, #, V, Hz	1,2,208-230,60	1,2,208-230,60
	Heat exchanger	Type		-	Fin & tube	Fin & tube	
		Material	Fin	-	Al	Al	
			Tube	-	Cu	Cu	
		Fin treatment		-	Silica	Silica	
	Fan	Type		-	Crossflow fan	Crossflow fan	
		Quantity		EA	1	1	
		Air flow rate	H/M/L	CMM	11.5 / 9.5 / 7.5	15.6 / 13.5 / 11.6	
				CFM	406 / 336 / 265	551 / 477 / 410	
				l/s	192 / 158 / 125	260 / 225 / 193	
	Fan motor	Type		-	BLDC motor	BLDC motor	
		Output		Wxn	27 x 1	27 x 1	
	Drain	Drain pipe		inch	ID 5/8	ID 5/8	
	Sound	Sound pressure	High/mid/low/(silent)	dB(A)	42 / 37 / 32 / 29	43 / 39 / 35 / 32	
		Sound power	Cooling std high	dB(A)	-	-	
	External dimension	Net weight		lbs	24	32	
		Shipping weight		lbs	27	37	
		Net dimensions (WxHxD)		inch	35-3/8 x 10-3/8 x 10-3/8	41-7/8 x 11-7/8 x 11-5/8	
		Shipping dimensions (WxHxD)		inch	37-5/8 x 12-1/2 x 13-1/4	44-1/4 x 13-7/8 x 15-1/8	
	Casing	Material		-	HIPS	HIPS	
	Control System	Infrared hand-held remote		-	TVCTRLTRDH00U*	TVCTRLTRDH00U*	
		Wired remote control		-	TVCTRLTRTWRWD02*	TVCTRLTRTWRWD02*	



Product Specification

Table 1. Product Specification: 4MUW4518A10N0* and 4MUW4524A10N0* (continued)

Model Name		Indoor Unit			4MUW4518A10N0*	4MUW4524A10N0*
		Outdoor Unit			4TUK4518A10N0*	4TUK4524A10N0*
Outdoor unit	Power supply			C, #, V, Hz	1,2,208-230,60	1,2,208-230,60
	Heat exchanger	Type		-	Fin & Tube	Fin & Tube
		Material	Fin	-	Al	Al
			Tube	-	Cu	Cu
		Fin treatment		-	Anti-corrosion	Anti-corrosion
	Compressor	Model name		-	Twin BLDC	Twin BLDC
		Type		-	UG9TK3150FE4	UG4T200FUA4
		Output		kW	1.42	1.79
		Oil	Type	-	PVE	PVE
			Initial charge	cc	500	650
	Fan	Type		-	Propeller	Propeller
		Discharge direction		-	Front	Front
		Quantity		EA	1	1
		Air flow rate		CMM	40	51
				CFM	1,412	1,801
				l/s	667	850
	Fan Motor	Type		-	BLDC motor	BLDC motor
		Output		Wxn	125 x 1	125 x 1
	Sound	Sound pressure cooling		dB(A)	48	50
	External dimension	Net weight		lbs	94	115
		Shipping weight		lbs	101	122
		Net dimensions (WxHxD)		inch	34-5/8 x 25-1/8 x 12-1/4	34-5/8 x 25-1/8 x 12-1/4
		Shipping dimensions (WxHxD)		inch	40-3/8 x 28-3/4 x 16-3/8	40-3/8 x 35-7/8 x 16-3/8

Table 1. Product Specification: 4MUW4518A10N0* and 4MUW4524A10N0* (continued)

Model Name		Indoor Unit				4MUW4518A10N0*	4MUW4524A10N0*
		Outdoor Unit				4TUK4518A10N0*	4TUK4524A10N0*
Outdoor unit (continued)	Casing	Material	Body	-		EGI steel plate	EGI steel plate
	Operating Temp. Range	Cooling	Standard range	()		23°F (-5°C) — 115°F (46°C)	23°F (-5°C) — 115°F (46°C)
			Range with wind baffle	()		-40°F (-40°C) — 115°F (46°C)	-40°F (-40°C) — 115°F (46°C)

Notes:

- Specification may be subject to change without prior notice.
- Capacities are based on equivalent refrigerant piping 24.6 ft, level differences 0 ft
- **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
- Select wire size based on the value of MCA
- 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
- 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



Product Specification

Table 2. Product Specification: 4MUW4530A10N0* and 4MUW4536A10N0*

Model Name		Indoor Unit			4MUW4530A10N0*	4MUW4536A10N0*
		Outdoor Unit			4TUK4530A10N0*	4TUK4536A10N0*
System	Mode				-	Cooling Only
	Performance	Capacity (min/std/max)	Cooling	Btu/h	9,000 / 30,000 / 37,000	10,000 / 36,000 / 38,000
			Heating	Btu/h	-	-
	Power	Power Input (min/std/max)	Cooling	kW	0.55 / 2.94 / 4.8	0.6 / 4.44 / 4.8
			Heating		-	-
		Current input (min/std/max)	Cooling	A	2.7 / 13.1 / 21.0	3.0 / 19.5 / 21.0
			Heating		-	-
		Current	MCA	A	24	26.5
			MOP		30	40
	Energy efficiency	EER	Cooling	(Btu/h)/W	10.2	8.11
		COP	Heating	W/W	-	-
		SEER			-	19.7
	Piping connections	Liquid pipe		Type	Flare connection	Flare connection
				inch	3/8	3/8
		Gas pipe		Type	Flare connection	Flare connection
				inch	5/8	5/8
		Heat insulation		-	Both liquid and gas pipes	Both liquid and gas pipes
		Piping length (ODU-IDU)	Standard	ft	24.6	24.6
			Max.	ft	164.0	164.0
			Elevation	ft	98.4	98.4
			Chargeless	ft	24.6	24.6
	Wiring connections	Communication	Min.	mm ²	0.75	0.75
			Remark	-	F1, F2	F1, F2
	Refrigerant	Type		-	R410A	R410A
		Control method		-	EEV	EEV
		Factory charging		lbs	5.29	5.29

Table 2. Product Specification: 4MUW4530A10N0* and 4MUW4536A10N0* (continued)

Model Name			Indoor Unit		4MUW4530A10N0*	4MUW4536A10N0*
			Outdoor Unit		4TUK4530A10N0*	4TUK4536A10N0*
Indoor unit	Power supply			C, #, V, Hz	1,2,208-230,60	1,2,208-230,60
	Heat exchanger	Type		-	Fin & tube	Fin & tube
		Material	Fin	-	Al	Al
			Tube	-	Cu	Cu
		Fin treatment		-	Silica	Silica
	Fan	Type		-	Crossflow fan	Crossflow fan
		Quantity		EA	1	1
		Air flow rate	H/M/L	CMM	22.0 / 20.5 / 19.0	23.5 / 21.3 / 19.8
				CFM	777 / 724 / 671	830 / 752 / 699
				l/s	367 / 342 / 317	392 / 355 / 330
	Fan motor	Type		-	BLDC motor	BLDC motor
		Output		Wxn	58 x 1	58 x 1
	Drain	Drain pipe		Inch	ID 5/8	ID 5/8
	Sound	Sound pressure	High/mid/low/(silent)	dB(A)	49 / 47 / 45 / 37	51 / 48 / 46 / 38
		Sound power	Cooling std high	dB(A)	-	-
	External dimension	Net weight		lbs	41	41
		Shipping weight		lbs	48	48
		Net dimensions (WxHxD)		inch	50-3/8 x 13-5/8 x 10	50-3/8 x 13-5/8 x 10
		Shipping dimensions (WxHxD)		inch	53-1/4 x 12-7/8 x 16-1/2	53-1/4 x 12-7/8 x 16-1/2
	Casing	Material		-	HIPS	HIPS
	Control System	Infrared hand-held remote		-	TVCTRLTRDH00U*	TVCTRLTRDH00U*
		Wired remote control		-	TVCTRLTRTW RWD02*	TVCTRLTRTW RWD02*



Product Specification

Table 2. Product Specification: 4MUW4530A10N0* and 4MUW4536A10N0* (continued)

Model Name		Indoor Unit			4MUW4530A10N0*	4MUW4536A10N0*
		Outdoor Unit			4TUK4530A10N0*	4TUK4536A10N0*
Outdoor unit	Power supply			C, #, V, Hz	1,2,208-230,60	1,2,208-230,60
	Heat exchanger	Type		-	Fin & Tube	Fin & Tube
		Material	Fin	-	Al	Al
			Tube	-	Cu	Cu
		Fin treatment		-	Anti-corrosion	Anti-corrosion
	Compressor	Model name		-	Twin BLDC	Twin BLDC
		Type		-	UG8T300FUBJU	UG8T300FUBJU
		Output		kW	2.82	2.82
		Oil	Type	-	PVE	PVE
			Initial charge	cc	1200	1200
	Fan	Type		-	Propeller	Propeller
		Discharge direction		-	Front	Front
		Quantity		EA	1	1
		Air flow rate	CMM		78	78
			CFM		2,754	2,754
			l/s		1,300	1,300
	Fan Motor	Type		-	BLDC motor	BLDC motor
		Output		Wxn	125 x 1	125 x 1
	Sound	Sound pressure cooling		dB(A)	52	54
	External dimension	Net weight		lbs	160	160
		Shipping weight		lbs	168	168
		Net dimensions (WxHxD)		inch	37 x 39-3/8 x 13	37 x 47-5/8 x 13
		Shipping dimensions (WxHxD)		inch	39-1/4 x 43-1/8 x 16-7/8	9-1/4 x 43-1/8 x 16-7/8

Table 2. Product Specification: 4MUW4530A10N0* and 4MUW4536A10N0* (continued)

Model Name		Indoor Unit				4MUW4530A10N0*	4MUW4536A10N0*
		Outdoor Unit				4TUK4530A10N0*	4TUK4536A10N0*
Outdoor unit (continued)	Casing	Material	Body	-		EGI steel plate	EGI steel plate
	Operating Temp. Range	Cooling	Standard range	()		23°F (-5°C) — 115°F (46°C)	23°F (-5°C) — 115°F (46°C)
			Range with wind baffle	()		-40°F (-40°C) — 115°F (46°C)	-40°F (-40°C) — 115°F (46°C)

Notes:

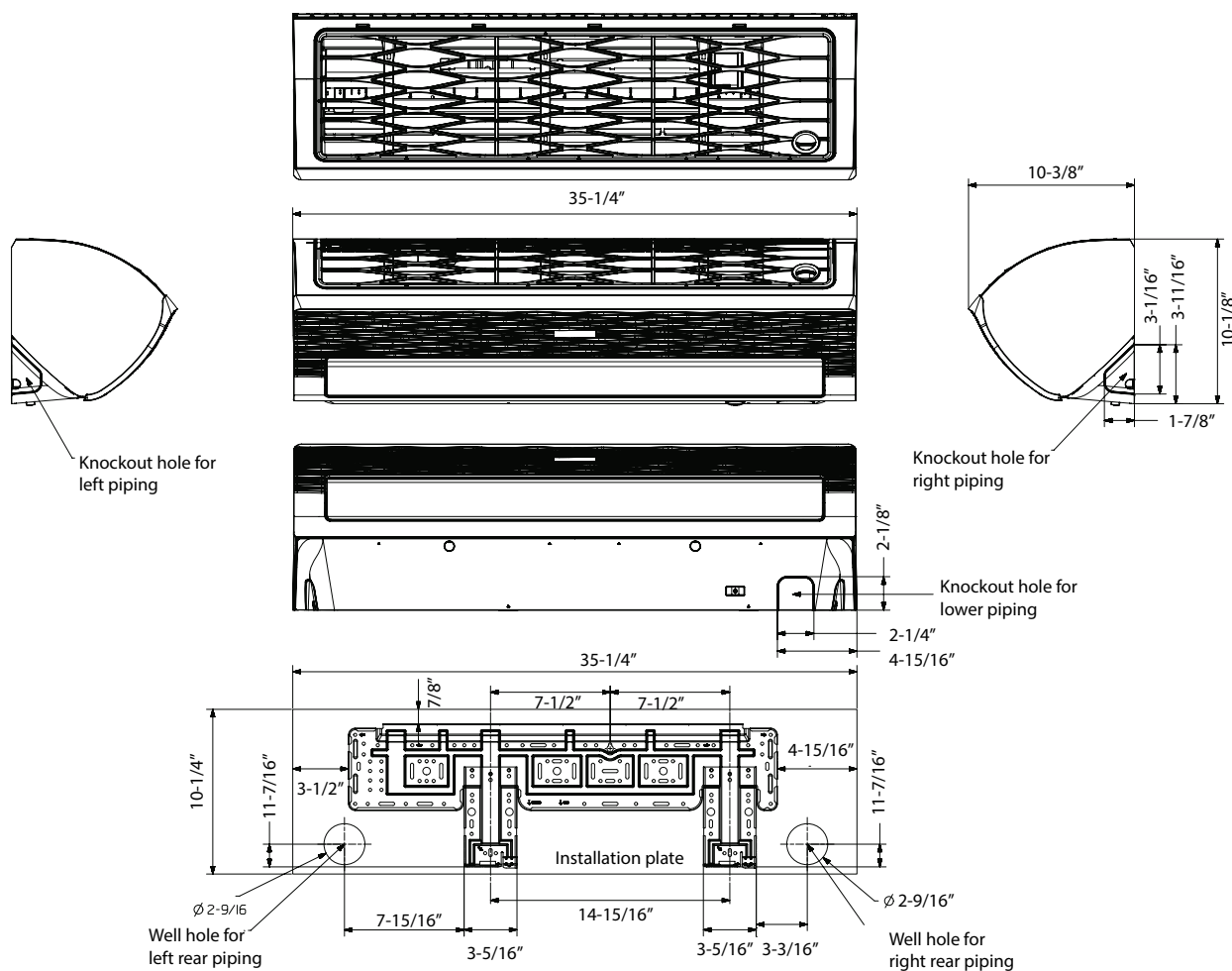
- Specification may be subject to change without prior notice.
- Capacities are based on equivalent refrigerant piping 24.6 ft, level differences 0 ft
- **Indoor temperature** : 80°F(26.7°C) DB, 67°F(19.4°C) WB /
- **Outdoor temperature** : 95°F(35°C) DB, 75°F (23.9°C) WB
- Select wire size based on the value of MCA
- 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
- 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

Dimensions and Weights

Indoor Units

Figure 1. Indoor unit dimensions: 4MUW4518A10N0*

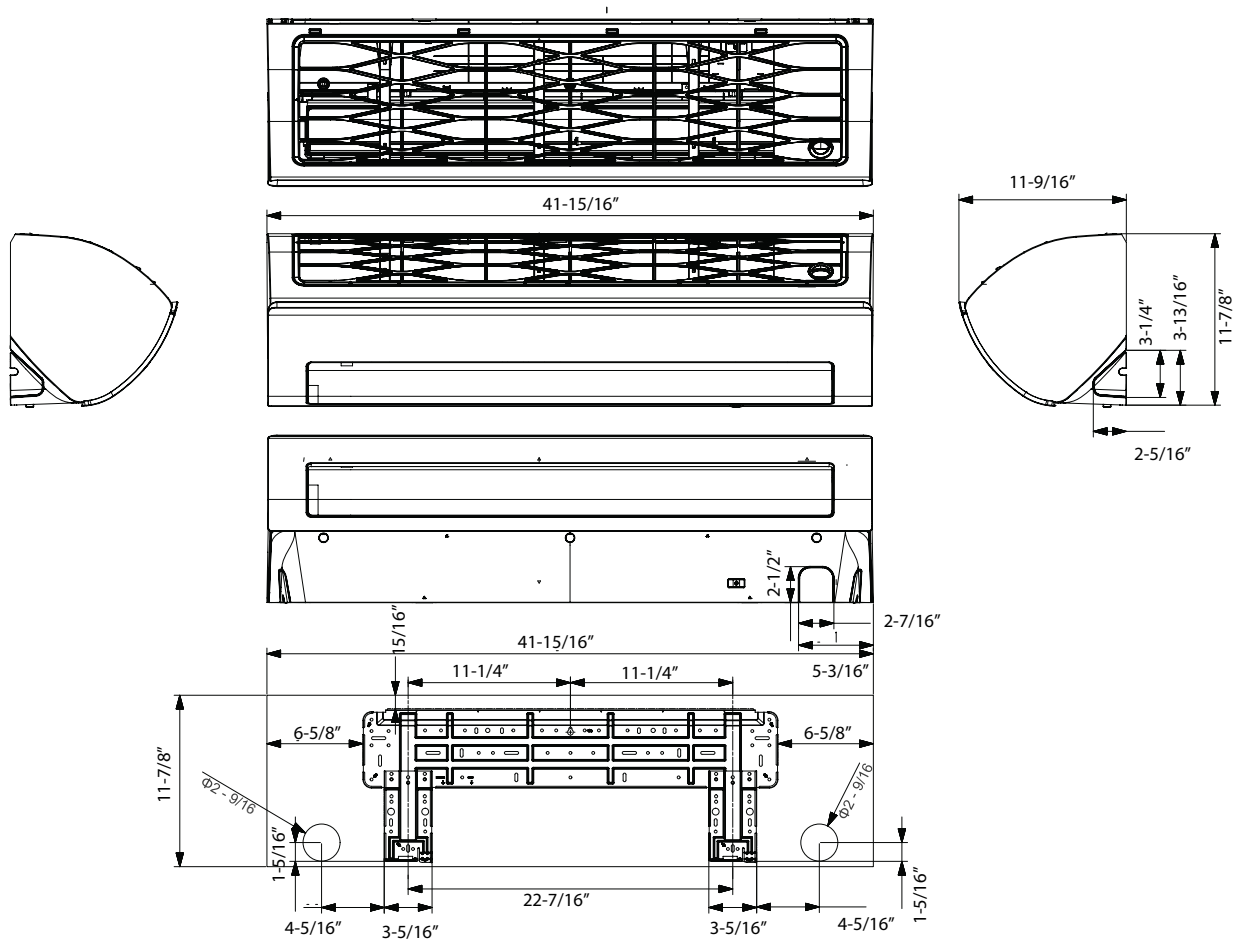
Unit: inch



Number	Name	Description
1	Liquid pipe connection	1/4
2	Gas pipe connection	1/2
3	Drain connection	ID 5/8
4	Power supply and communication wiring conduit	—

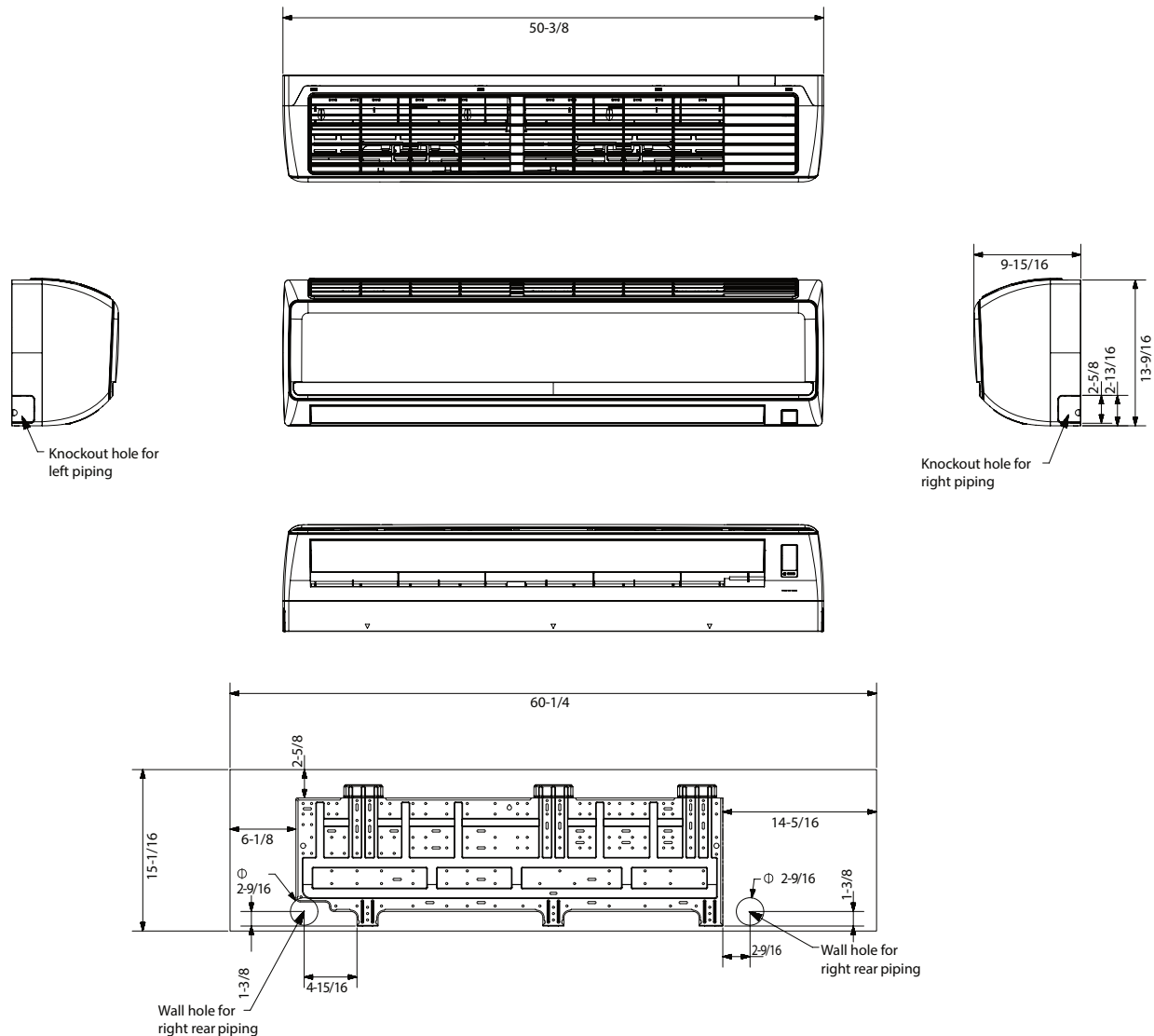
Figure 2. Indoor unit dimensions: 4MUW4524A10N0*

Unit: inch



Number	Name	Description
1	Liquid pipe connection	1/4
2	Gas pipe connection	5/8
3	Drain connection	ID 5/8
4	Power supply and communication wiring conduit	—

Figure 3. Indoor unit dimensions: 4MUW4530A10N0* and 4MUW4536A10N0*



Number	Name	Description
1	Liquid pipe connection	3/8
2	Gas pipe connection	5/8
3	Drain connection	ID 5/8
4	Power supply and communication wiring conduit	—

Outdoor Units

Table 3. Dimensions and weights for 4TUK4518A10N0*

Outdoor unit capacity (MBH)	Model number	Dimensions: WxHxD (in)	Weight (lb)	Shipping dimensions: WxHxD (in)	Shipping weight (lb)
18	4TUKL518A10N0*	34-5/8 x 25-1/8 x 12-1/4	94.4	40-1/4 x 28-3/4 x 16-1/4	101.0

Figure 4. Dimensional drawing: 4TUK4518A10N0*

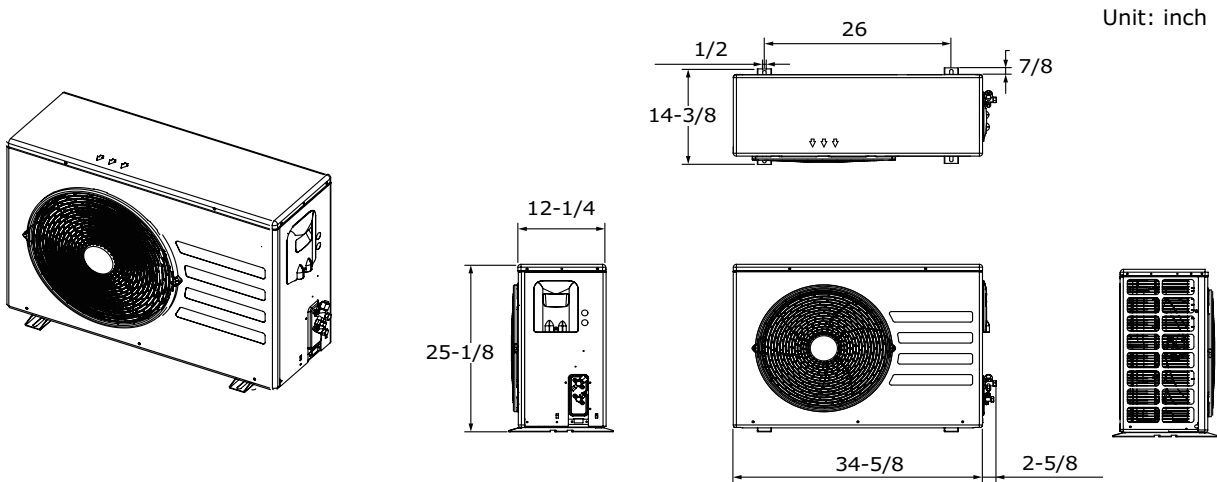
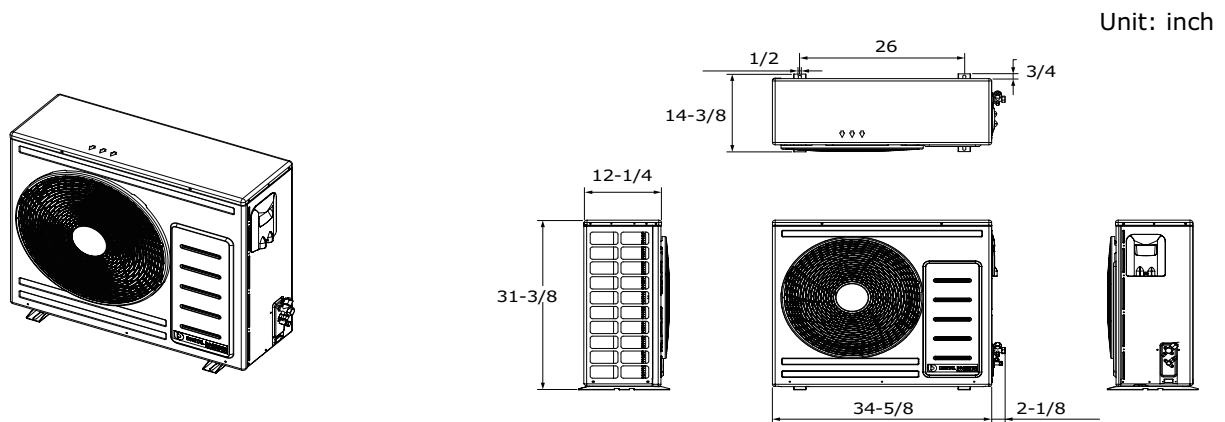


Table 4. Dimensions and weights for 4TUK4524A10N0*

Outdoor unit capacity (MBH)	Model number	Dimensions: WxHxD (in)	Weight (lb)	Shipping dimensions: WxHxD (in)	Shipping weight (lb)
24	4TUKL524A10N0*	34-5/8 x 31-3/8 x 12-1/4	114.6	40-1/4 x 35-7/8 x 16-1/4	121.9

Figure 5. Dimensional drawing: 4TUK4524A10N0*





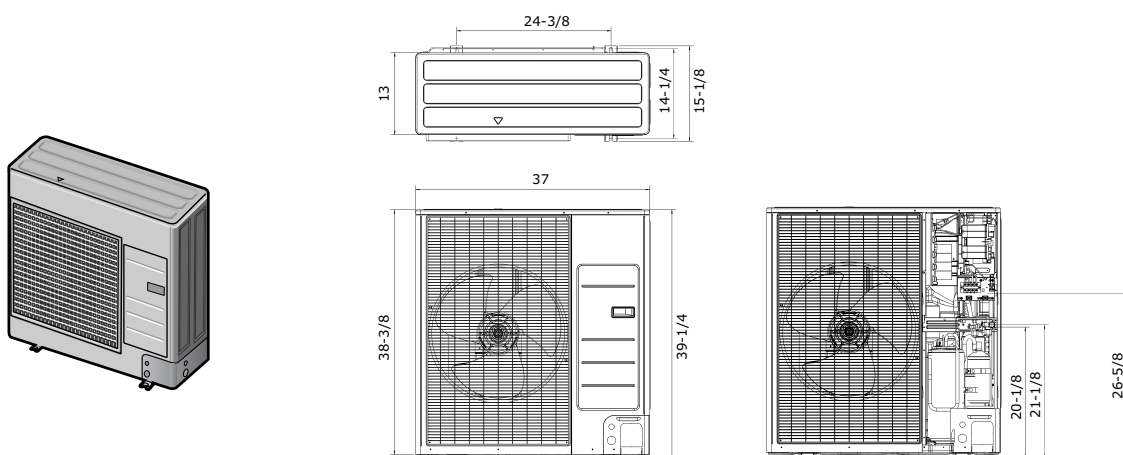
Dimensions and Weights

Table 5. Dimensions and weights for 4TUK4530A10N0* and 4TUK4536A10N0*

Outdoor unit capacity (MBH)	Model number	Dimensions: WxHxD (in)	Weight (lb)	Shipping dimensions: WxHxD (in)	Shipping weight (lb)
30	4TUKL530A10N0*	37 x 39-1/4 x 13	142.2	39-3/8 x 43-1/8 x 16-3/4	153.22
36	4TUKL536A10N0*		154.22		163.14

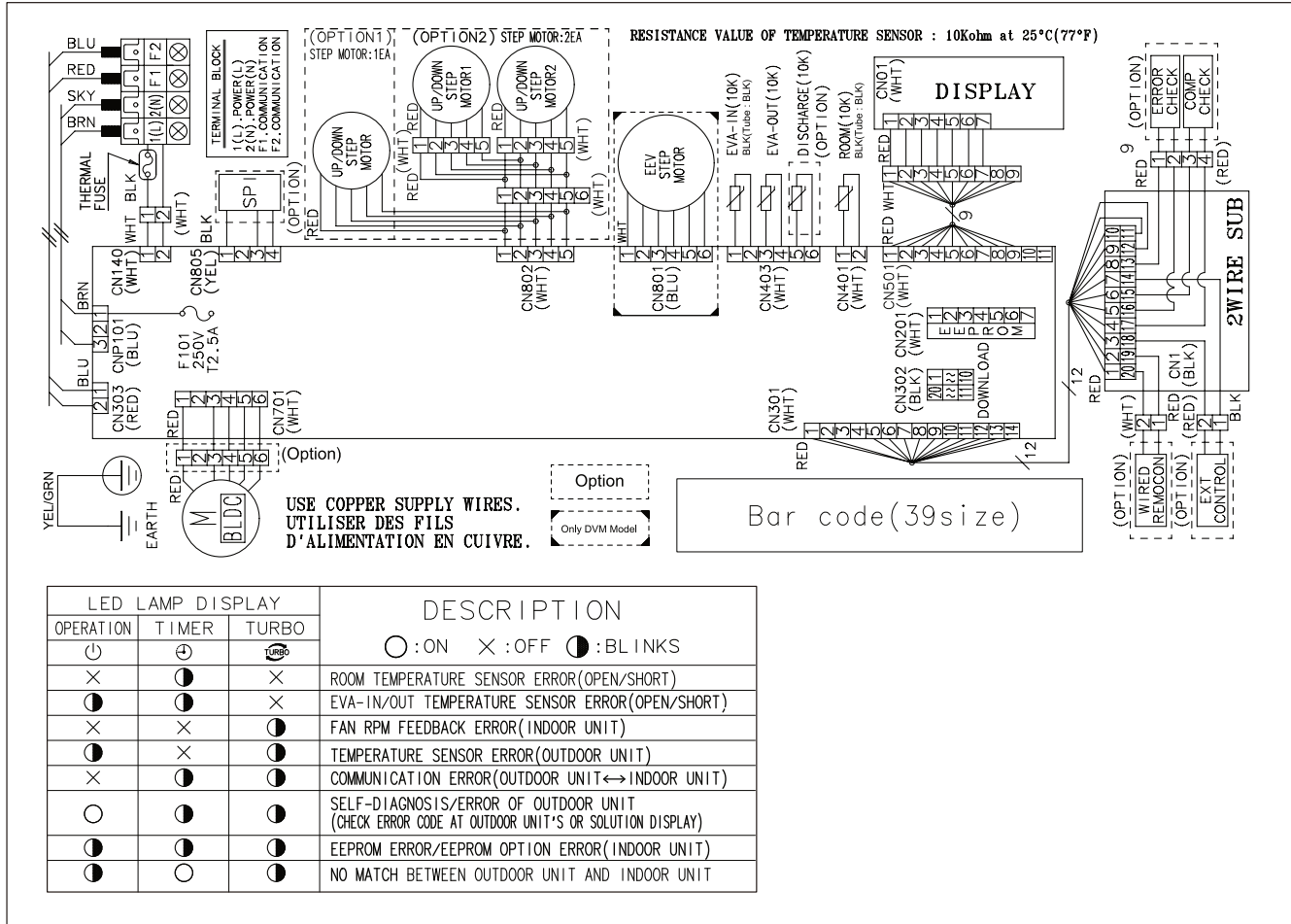
Figure 6. Dimensional drawing for 4TUK4530A10N0*30 and 4TUK4536A10N0*

Unit: inch



Electrical Wiring

Figure 7. Electrical wiring: indoor unit

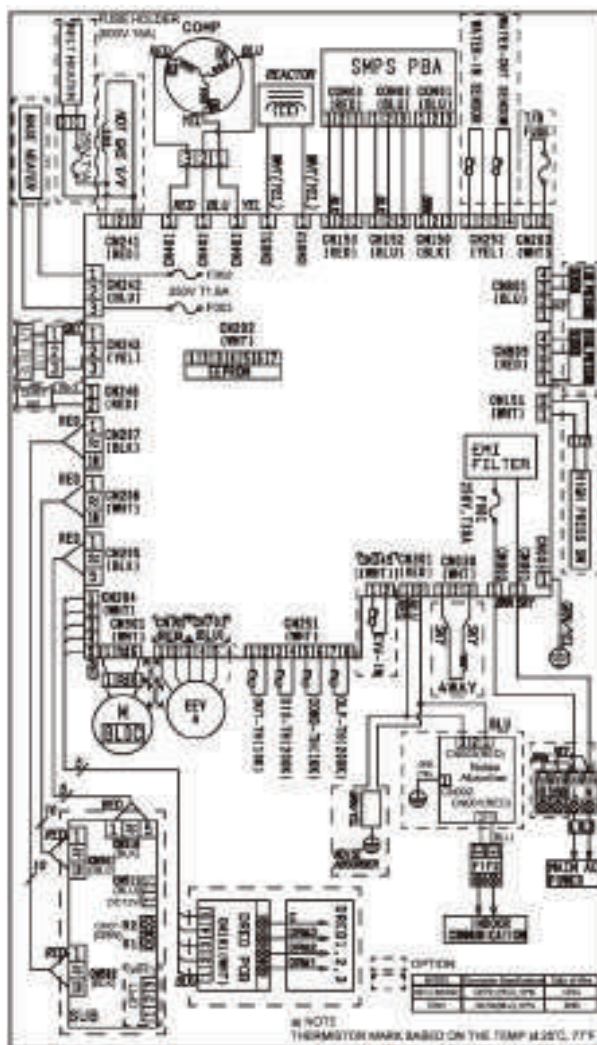


MAIN PCB	Print circuit board (MAIN)	EEV	Electronics expansion valve	EVA-IN TEMP	Thermistor EVAPORATE
DISPLAY	Print circuit board (DISPLAY)	M-BLDC	BLDC motor	EVA-OUT TEMP	Thermistor EVAPORATE
2WIRE SUB	Print circuit board (SUB COMM)	ROOM-TEMP	Thermistor AMBIENT		

Notes:

- This wiring diagram applies only to the indoor 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, outdoor-outdoor transmission OF1-OF2, refer to the installation manual.

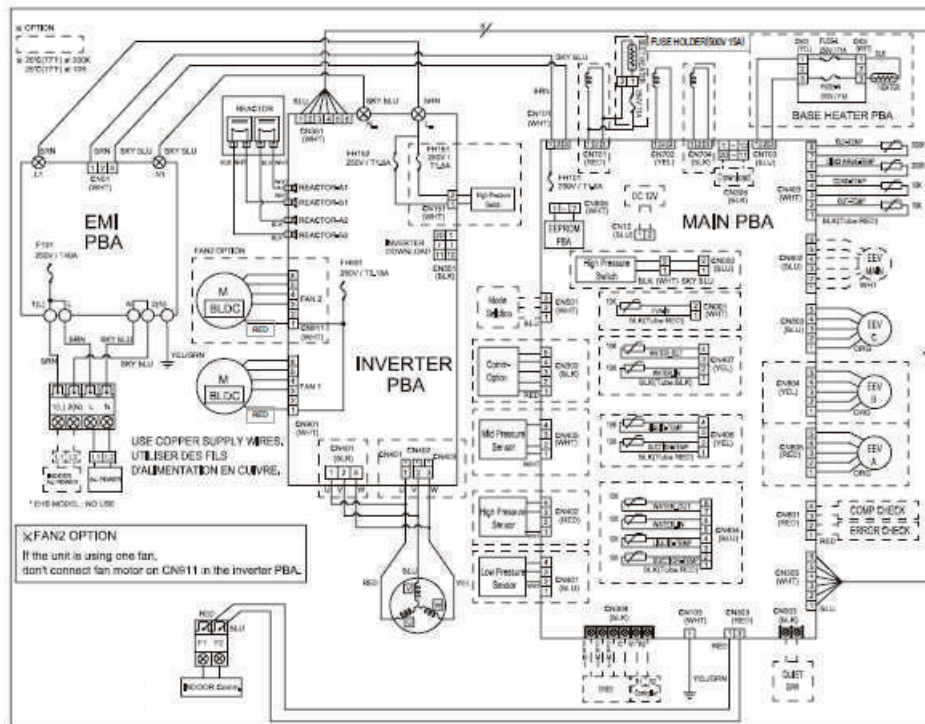
Figure 8. Electrical wiring: ODU, 4TUKL518A10N0* and 4TUKL524A10N0*



MAIN PCB	Printed circuit board (MAIN)	EEV	Electronics expansion valve	DIS-TH(200K)	Thermistor DISCHARGE
DRED PCB	Printed circuit board (DRED)	M-BLDC	BLDC motor	OUT-TH(10K)	Thermistor AMBIENT
SMPS	Printed circuit board (SMPS)	OLT-TH9200K)	Thermistor OLP	COND-TH(10K)	Thermistor CONDENSOR
SUB	Printed circuit board (SUB)	BELT HEATER	Comp belt heater		

Notes:

- This wiring diagram applies only to the outdoor unit.
- Symbols show as follow: blk: black, red: red, blu: blue, wht: white, yel: yellow, brn: brown, sky: skyblue, grn: green.
- For connection wiring indoor-outdoor transmission F1-F2

Figure 9. Electrical wiring: ODU, 4TUKL530A10N0* and 4TUKL536A10N0*


MAIN PCP	Printed circuit board (MAIN)	EEV	Electronics expansion valve	DIS-TH(200K)	Thermistor DISCHARGE
INVERTER PCB	Printed circuit board (INVERTER)	M-BLDC	BLDC motor	OUT-TH(10K)	Thermistor AMBIENT
EMI	Printed circuit board (EMI)	OLT-TH(200K)	Thermistor OLP	COND-TH(10K)	Thermistor CONDENSOR
		BELT HEATER	Comp belt heater		

Notes:

- This wiring diagram applies only to the outdoor unit.
- Symbols show as follow: blk: black, red: red, blu: blue, wht: white, yel: yellow, brn: brown, sky: skyblue, grn: green.
- For connection wiring indoor-outdoor transmission F1-F2.

Temperature and Air Flow

4TUKL518A10N0*

Figure 10. Cooling air velocity distribution: 4TUKL518A10N0*

Cooling Discharge angle : 16°

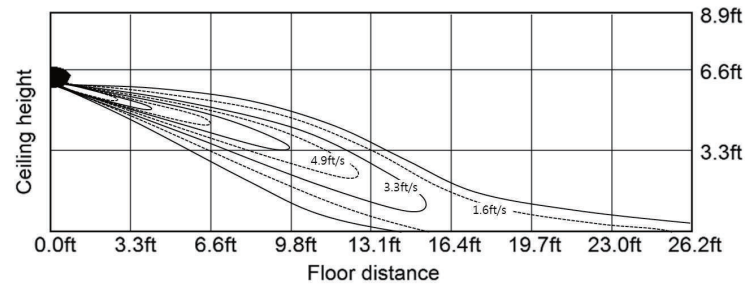


Figure 11. Cooling temperature distribution: 4TUKL518A10N0*

Cooling Discharge angle : 16°

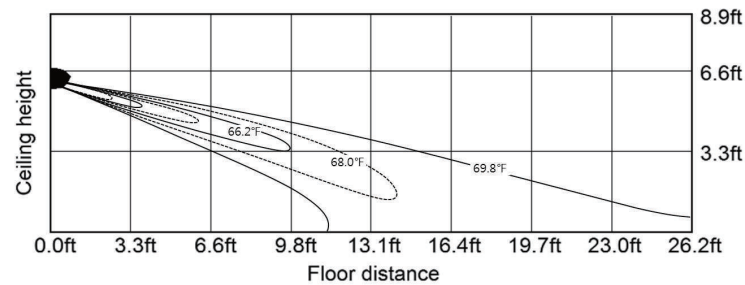


Figure 12. Heating air velocity distribution: 4TUKL518A10N0*

Heating Discharge angle : 46°

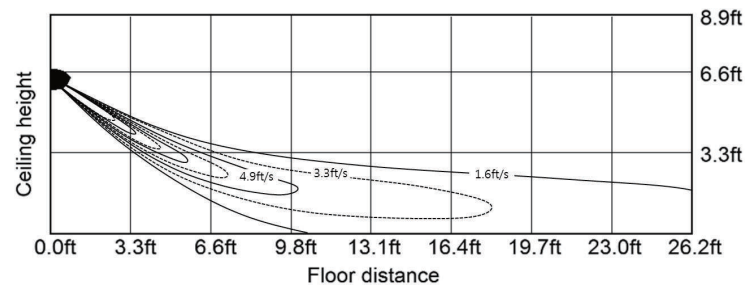
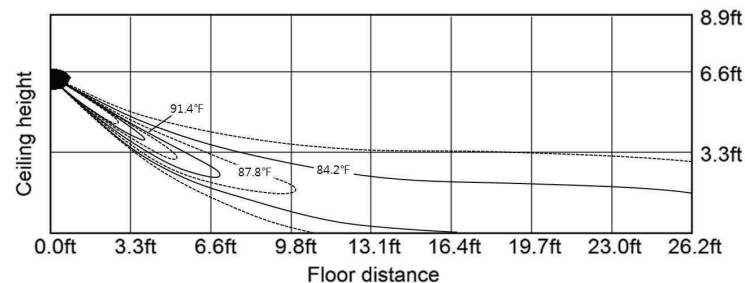


Figure 13. Heating temperature distribution: 4TUKL518A10N0*

Heating Discharge angle : 46°



4TUKL524A10N0*

Figure 14. Cooling air velocity distribution: 4TUKL524A10N0*

Cooling Discharge angle : 28°

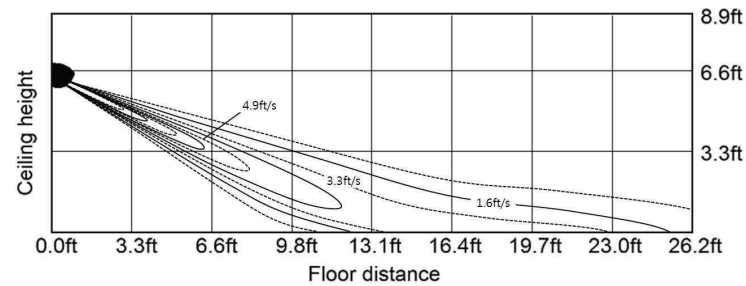


Figure 15. Cooling temperature distribution: 4TUKL524A10N0*

Cooling Discharge angle : 28°

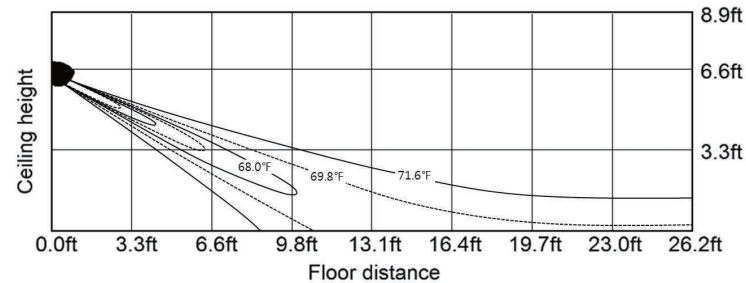


Figure 16. Heating air velocity distribution: 4TUKL524A10N0*

Heating Discharge angle : 58°

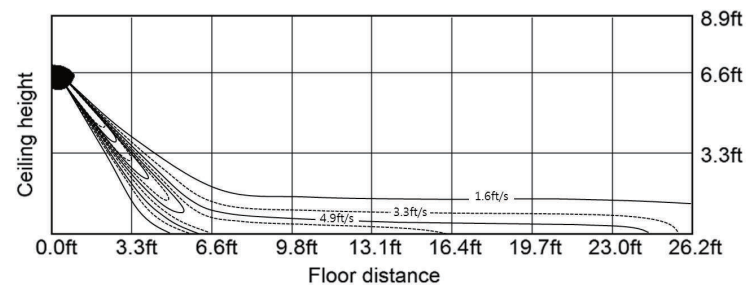
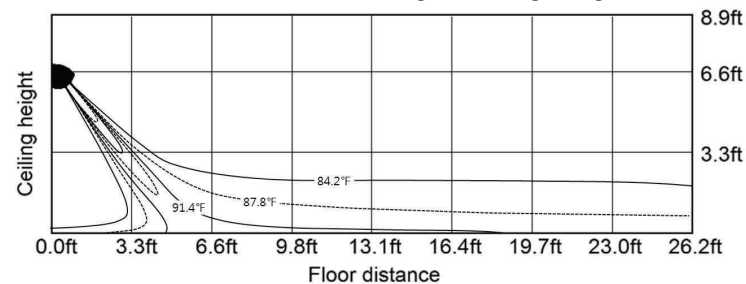


Figure 17. Heating temperature distribution: 4TUKL524A10N0*

Heating Discharge angle : 58°



4TUKL530A10N0*

Figure 18. Cooling air velocity distribution: 4TUKL530A10N0*

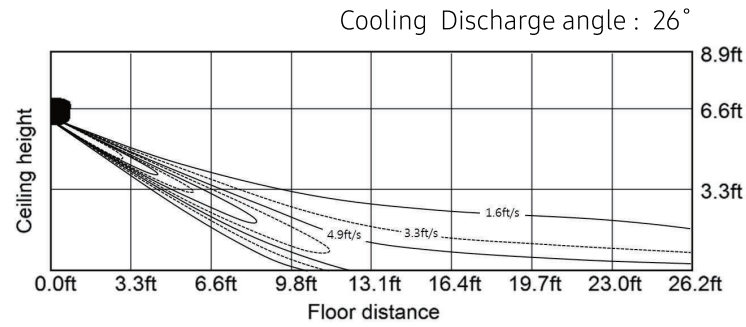


Figure 19. Cooling temperature distribution: 4TUKL530A10N0*

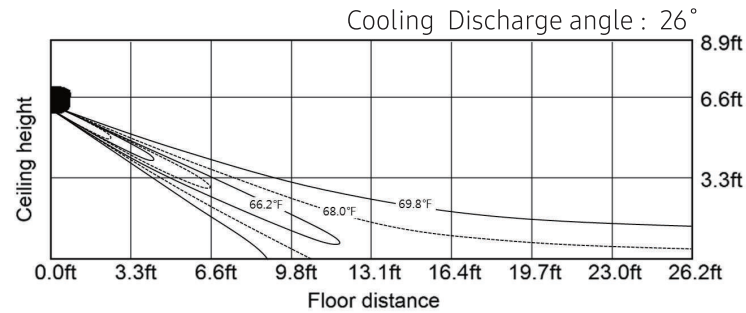


Figure 20. Heating air velocity distribution: 4TUKL530A10N0*

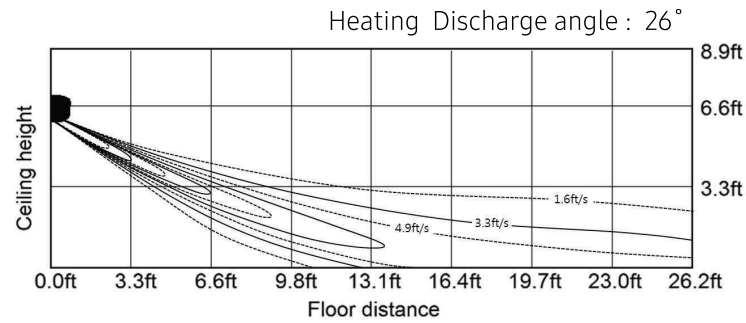
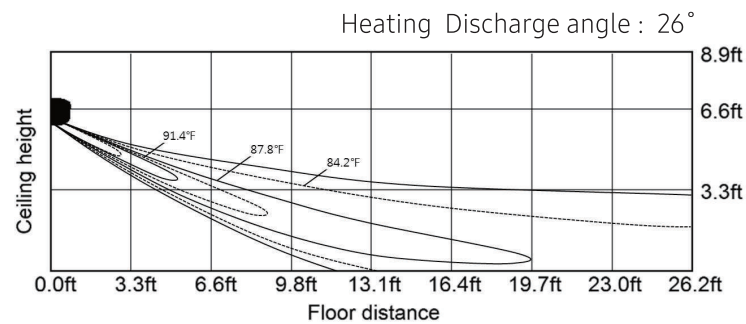


Figure 21. Heating temperature distribution



4TUKL536A10N0*

Figure 22. Cooling air velocity distribution: 4TUKL536A10N0*

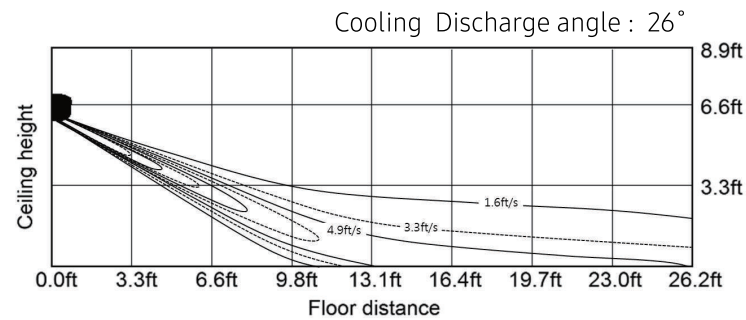


Figure 23. Cooling temperature distribution: 4TUKL536A10N0*

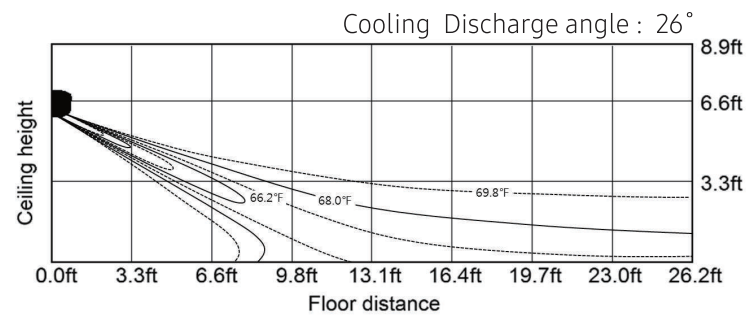


Figure 24. Heating air velocity distribution: 4TUKL536A10N0*

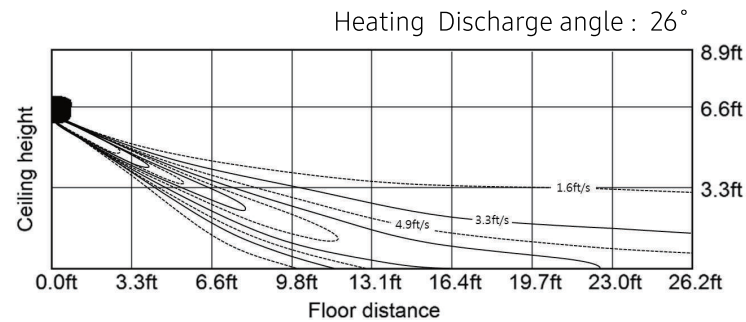
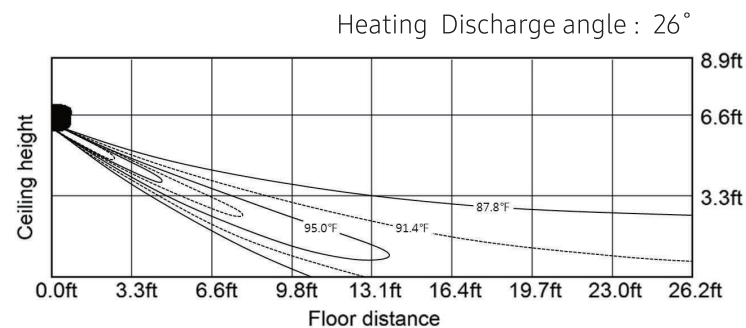
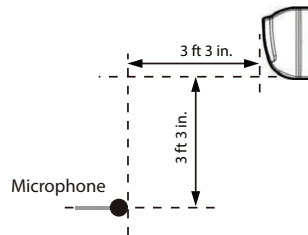


Figure 25. Heating temperature distribution: 4TUKL536A10N0*



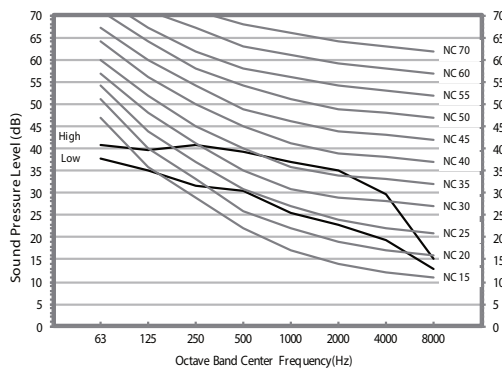
Sound Data

Sound Pressure Level: Indoor Unit

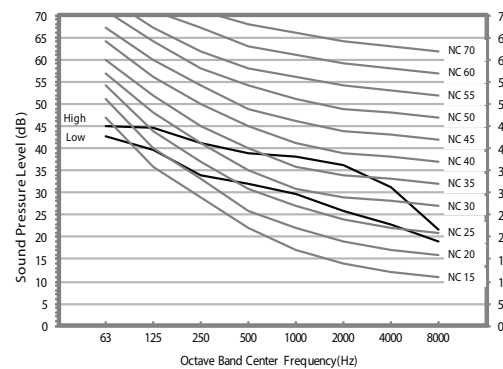


Model	High	Mid	Low
4TUKL518A10N0*	42	37	32
4TUKL524A10N0*	43	39	35
4TUKL530A10N0*	49	47	45
4TUKL536A10N0*	51	48	46

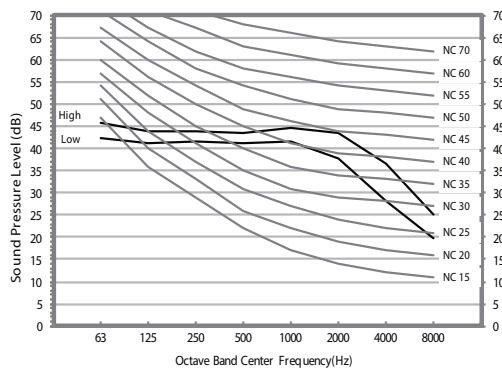
4TUKL518A10N0*



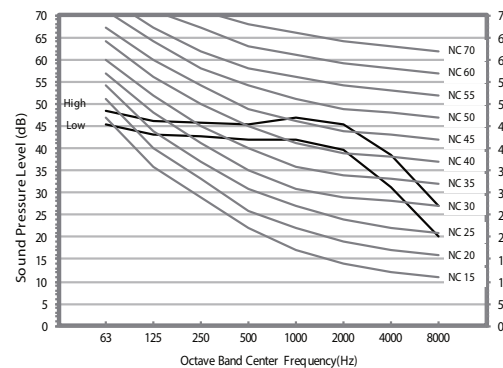
4TUKL524A10N0*



4TUKL530A10N0*



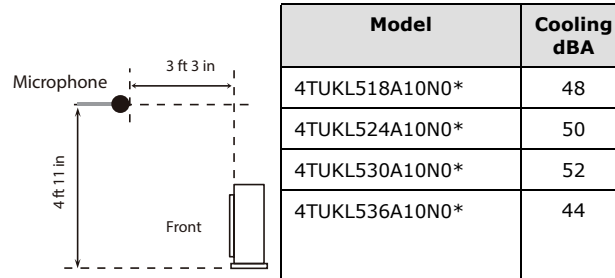
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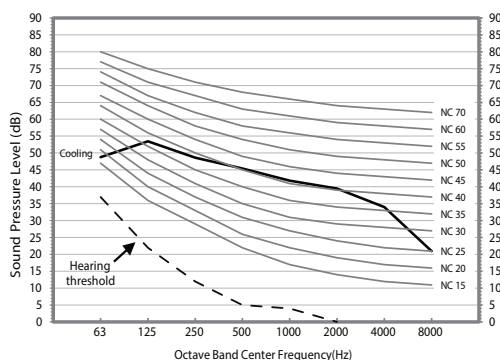
Notes:

- Specifications may be subject to change without prior notice.
- Sound pressure Level:
 - 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

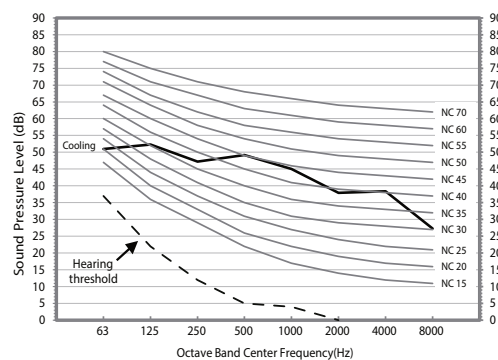
Sound Pressure Level: Outdoor Unit



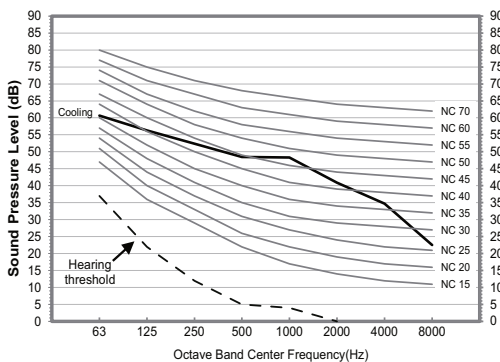
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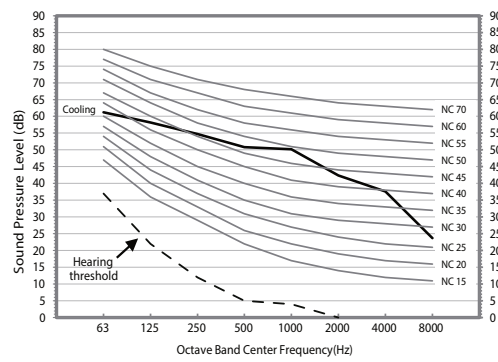
4TUKL524A10N0*



4TUKL530A10N0*



4TUKL536A10N0*



Notes:

- Specifications may be subject to change without prior notice.
- Sound pressure Level:
 - 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

Capacity Tables

Table 6. Cooling capacity table: 4MUW4518A10N0*

OAT	Indoor Temperature (, DB / WB)											
	68 / 57			72 / 61			77 / 64			80 / 67		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	OATM-BH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-40	16	11.6	1.36	16.9	11.9	1.39	17.6	12.3	1.42	18.1	12.7	1.45
-4	16.8	11.9	1.4	17.7	12.2	1.43	18.4	12.6	1.46	19	13	1.49
70	18	12.9	1.42	18.9	13.3	1.45	19.7	13.7	1.48	20.3	14.1	1.51
95	15.9	11.4	1.87	16.8	11.8	1.91	17.5	12.1	1.95	18	12.5	1.99
115	15.1	11.2	2.72	15.9	11.6	2.78	16.6	11.9	2.83	17.1	12.3	2.89

OAT	82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-40	18.5	12.6	1.46	19.4	12.4	1.48	20.4	12.2	1.51
-4	19.4	12.9	1.5	20.3	12.7	1.52	21.4	12.5	1.55
70	20.7	14	1.53	21.7	13.8	1.54	22.8	13.5	1.57
95	18.4	12.4	2.01	19.3	12.3	2.03	20.2	12	2.07
115	17.4	12.2	2.92	18.3	12.1	2.95	19.2	11.8	3.01

Notes:

- TC = Total capacity.
- SHC = Sensible heat capacity.
- PI = Power input.
- OAT = Outdoor air temperature
- Capacities are based on following conditions:
 - Refrigerant pipe length: 24.6 ft.
 - Level difference : 0 ft.

Table 7. Cooling capacity table: 4MUW4524A10N0*

OAT	Indoor Temperature (, DB / WB)											
	68 / 57			72 / 61			77 / 64			80 / 67		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-40	21.4	15.4	1.42	22.5	15.9	1.45	23.5	16.4	1.48	24.2	16.9	1.51
-4	23.1	15.8	1.47	24.3	16.3	1.5	25.3	16.8	1.53	26.1	17.3	1.56
70	23.3	15.9	1.55	24.5	16.4	1.58	25.5	16.9	1.62	26.3	17.4	1.65
95	21.2	15.2	2.14	22.3	15.6	2.18	23.3	16.1	2.22	24	16.6	2.27
115	19.5	14	2.76	20.5	14.4	2.81	21.3	14.8	2.87	22	15.3	2.93

OD Temp	82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-40	24.7	16.7	1.53	25.9	16.6	1.54	27.2	16.2	1.57
-4	26.6	17.1	1.58	28	17	1.59	29.4	16.6	1.62
70	26.8	17.2	1.67	28.2	17.1	1.68	29.6	16.7	1.72
95	24.5	16.4	2.29	25.7	16.3	2.32	27	15.9	2.36
115	22.4	15.1	2.96	23.6	15	2.99	24.7	14.7	3.05

Notes:

- TC = Total capacity.
- SHC = Sensible heat capacity.
- PI = Power input.
- OAT = Outdoor air temperature
- Capacities are based on following conditions:
 - Refrigerant pipe length: 24.6 ft.
 - Level difference : 0 ft.

Capacity Tables

Table 8. Cooling capacity table: 4MUW4530A10N0*

OAT	Indoor Temperature (, DB / WB)											
	68 / 57			72 / 61			77 / 64			80 / 67		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-40	27.6	19.8	3.28	29.1	20.4	3.34	30.3	21	3.41	31.2	21.7	3.48
-4	29.6	21.5	3.25	31.2	22.2	3.31	32.5	22.9	3.38	33.5	23.6	3.45
70	33.3	23	2.96	35	23.7	3.03	36.5	24.4	3.09	37.6	25.2	3.15
95	26.5	19.7	2.77	27.9	20.3	2.82	29.1	21	2.88	30	21.6	2.94
115	24.4	18	3.41	25.7	18.5	3.48	26.8	19.1	3.55	27.6	19.7	3.62

OAT	82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-40	31.8	21.4	3.51	33.4	21.2	3.55	35.1	20.8	3.62
-4	34.2	23.4	3.48	35.9	23.1	3.52	37.7	22.7	3.59
70	38.4	24.9	3.18	40.3	24.7	3.21	42.3	24.2	3.28
95	30.6	21.4	2.97	32.1	21.2	3	33.7	20.7	3.06
115	28.2	19.5	3.66	29.6	19.3	3.69	31	18.9	3.77

Notes:

- TC = Total capacity.
- SHC = Sensible heat capacity.
- PI = Power input.
- OAT = Outdoor air temperature
- Capacities are based on following conditions:
 - Refrigerant pipe length: 24.6 ft.
 - Level difference : 0 ft.

Table 9. Cooling capacity table: 4MUW4536A10N0*

OAT	Indoor Temperature (, DB / WB)											
	68 / 57			72 / 61			77 / 64			80 / 67		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-40	28.8	20.8	3.41	30.3	21.5	3.48	31.5	22.1	3.55	32.5	22.8	3.62
-4	31.7	23.5	3.38	33.3	24.2	3.45	34.7	24.9	3.52	35.8	25.7	3.59
70	35.1	24.1	3.12	37	24.8	3.18	38.5	25.6	3.24	39.7	26.4	3.31
95	31.8	22.5	4.18	33.5	23.2	4.26	34.9	24	4.35	36	24.7	4.44
115	25.6	18.9	3.5	26.9	19.5	3.57	28	20.1	3.65	28.9	20.7	3.72

OAT	82 / 70			86 / 72			90 / 75		
	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
	MBH	MBH	kW	MBH	MBH	kW	MBH	MBH	kW
-40	33.2	22.6	3.66	34.8	22.3	3.69	36.5	21.9	3.77
-4	36.5	25.4	3.63	38.3	25.2	3.66	40.3	24.7	3.74
70	40.5	26.1	3.34	42.5	25.9	3.38	44.6	25.4	3.44
95	36.7	24.5	4.48	38.6	24.2	4.53	40.5	23.7	4.62
115	29.5	20.5	3.76	31	20.3	3.79	32.5	19.9	3.87

Notes:

- TC = Total capacity.
- SHC = Sensible heat capacity.
- PI = Power input.
- OAT = Outdoor air temperature
- Capacities are based on following conditions:
 - Refrigerant pipe length: 24.6 ft.
 - Level difference : 0 ft.

Capacity Correction Tables

Table 10. Capacity correction table: 4MUW4518A10N0*

			Pipe Length (ft)					
			16.4	32.8	49.2	65.6	82	98.4
	Level Difference (ft)	65.6	–	–	–	0.97	0.96	0.95
		49.2	–	–	0.98	0.97	0.96	0.95
		32.8	–	0.99	0.98	0.97	0.96	0.95
		16.4	1	0.99	0.98	0.97	0.96	0.95
		0	1	0.99	0.98	0.97	0.96	0.95
		–16.4	1	0.99	0.98	0.97	0.96	0.94
		–32.8	–	0.98	0.97	0.96	0.95	0.93
		–49.2	–	–	0.97	0.96	0.95	0.92
		–65.6	–	–	–	0.96	0.94	0.91

Table 11. Capacity correction table: 4MUW4524A10N0*

			Pipe Length (ft)									
			16.4	32.8	49.2	65.6	82	98.4	114.8	131.2	147.6	164
	Level Difference (ft)	98.4	–	–	–	–	–	0.97	0.97	0.96	0.96	0.95
		82	–	–	–	–	0.98	0.97	0.97	0.96	0.96	0.95
		65.6	–	–	–	0.98	0.98	0.97	0.97	0.96	0.96	0.95
		49.2	–	–	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.95
		32.8	–	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.95
		16.4	1	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.95
		0	1	0.99	0.99	0.98	0.98	0.97	0.97	0.96	0.96	0.95
		–16.4	1	0.99	0.99	0.98	0.98	0.97	0.96	0.96	0.95	0.93
		–32.8	–	0.99	0.99	0.98	0.97	0.97	0.96	0.95	0.94	0.92
		–49.2	–	–	0.99	0.98	0.97	0.96	0.96	0.94	0.93	0.9
		–65.6	–	–	–	0.98	0.97	0.96	0.95	0.94	0.92	0.88
		–82	–	–	–	–	0.97	0.96	0.95	0.93	0.91	0.87
		–98.4	–	–	–	–	–	0.96	0.94	0.93	0.9	0.85

Table 12. Capacity correction table: 4MUW4530A10N0* and 4MUW4536A10N0*

		Pipe Length (ft)									
		16.4	32.8	49.2	65.6	82	98.4	114.8	131.2	147.6	164
	Level Difference (ft)	98.4	–	–	–	–	0.97	0.97	0.96	0.96	0.9
		82	–	–	–	0.98	0.97	0.97	0.96	0.96	0.9
		65.6	–	–	–	0.98	0.97	0.97	0.96	0.96	0.9
		49.2	–	–	0.99	0.98	0.97	0.97	0.96	0.96	0.9
		32.8	–	0.99	0.99	0.98	0.97	0.97	0.96	0.96	0.9
		16.4	1	0.99	0.99	0.98	0.97	0.97	0.96	0.96	0.9
		0	1	0.99	0.99	0.98	0.97	0.97	0.96	0.96	0.9
		–16.4	1	0.99	0.99	0.98	0.97	0.96	0.95	0.94	0.88
		–32.8	–	0.99	0.99	0.98	0.97	0.96	0.96	0.94	0.87
		–49.2	–	–	0.98	0.98	0.97	0.96	0.95	0.93	0.85
		–65.6	–	–	–	0.98	0.97	0.96	0.94	0.92	0.89
		–82	–	–	–	–	0.96	0.95	0.94	0.91	0.87
		–98.4	–	–	–	–	–	0.95	0.93	0.9	0.85



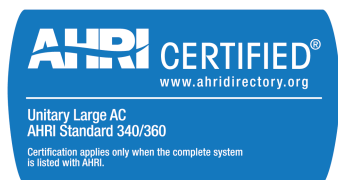
Notes



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