Product Catalog

ProSpace™ Variable Refrigerant Flow (VRF) System

4-Way Cassette Indoor Unit Series

4TVC0009*100N*
4TVC0012*100N*
4TVC0018*100N*
4TVC0024*100N*
4TVC0030*100N*
4TVC0036*100N*
4TVC0048*100N*

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Introduction

Trane ProSpace™ variable refrigerant flow (VRF) systems are efficient, effective, reliable heating and cooling solutions that you can trust. VRF is well suited for historic buildings without existing ductwork, as well as for schools and mid-rise office buildings with multiple interior spaces and diverse occupancy rates. When VRF is the right solution for your application, Trane will help you ensure that it is the best solution.

ProSpace VRF systems are designed for exceptional energy efficiency, offering industry leading performance. ProSpace VRF systems utilize inverter compressors (some models feature dual compressors) with vapor injection for improved performance and comfort.

Systems are available for both heat pump and simultaneous heating and cooling operation. Both feature individual zone control to provide individual occupant comfort. The simultaneous heating and cooling models offer the ability to heat and cool adjacent zones, intelligently exchanging energy between them through strategically located mode control units.

ProSpace VRF indoor units support capacities from 5,000 – 96,000 BTUs and are available in cassette, concealed, high-wall, and convertible floor/ceiling designs to match a wide variety of room designs and airflow requirements. Crisp, modern styling is combined with precise engineering to deliver attractive, rugged, lightweight units that are easy to install and maintain. Quiet, powerful fans quickly direct airflow where it is needed to maintain optimal comfort.

Available performance and convenience features include internal condensate pumps with check valves, fresh air intakes, easy-to-clean filters, and wired and wireless remote controls.

ProSpace offers a complete line-up of controls to complete your VRF installation. These range from easy-to-use individual zone controls to centralized systems for building monitoring and control, as well as optional BACnet® connectivity for centralized ProSpace Tracer® integration.

Best of all, your ProSpace VRF system is supported by the Trane nationwide network of sales and service offices.

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Features and Benefits

Standard

- 10-year parts warranty with certified installation start-up
- Low noise operation
- Factory-installed condensate pump with a 29 inch lift
- Washable return air filter
- BLDC supply fan

Optional

- Wireless remote control
- Simple touch remote control
- Wired programmable control

Model Number Description

Digit 1 — Refrigerant

4 = R410A

Digit 2 — Brand name

T = Trane

Digit 3 — System type

V = Variable Refrigerant Flow

Digit 4 — Configuration type

C = 4-way cassette

Digit 5 — Reserved for future use

0 = Standard

Digit 6, 7, 8 — Nominal capacity (Btu/h x 1,000)

009 = 9,000 Btu/h

012 = 12,000 Btu/h

018 = 18,000 Btu/h

024 = 24,000 Btu/h

030 = 30,000 Btu/h

036 = 36,000 Btu/h

048 = 48,000 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 — Reserved for future use

0 = Not currently used

Digit 13 — Region of sale

N = North America (UL or ETL)

Digit 14 — Minor design sequence

A = First design sequence

B = Second design sequence

C = Third design sequence

D = Fourth design sequence

Mechanical Specification

The Trane ProSpace™ 4–way cassette indoor unit is a four-way cassette style indoor unit that recesses into the ceiling grid with an exposed ceiling grille and an integral 2000-step modulating expansion device. The unit electrical power is 208-230 volts, 1-phase, 60 hertz.

The indoor unit is factory-assembled, wired and run tested. Contained within the unit is all factory wiring, piping, the electronic modulating linear expansion device, control circuit board, and fan motor. The unit has a self-diagnostic function, 3-minute time delay mechanism, an auto restart function.

The unit cabinet is a space-saving ceiling-recessed cassette.

The indoor fan consists of a turbo fan with a single direct drive motor. The indoor fan is statically and dynamically balanced to run on a motor with permanently lubricated bearings. The indoor fan has high, medium, and low fan speeds. The fan speed is adjustable by an optional remote controller. The auto air swing vanes are capable of automatically swinging up and down for uniform air distribution. If required the cassette is capable of closing off one or more vanes to prevent “stray airflow”.

Return is filtered by means of a long-life washable permanent filter.

The unit coil is constructed as follows:

- The indoor coil is made of nonferrous material with slit fins on copper tubing.
- The tubing has inner grooves for high efficiency heat exchange.
- All tube joints are brazed with phos-copper or silver alloy.
- The coils are pressure-tested at the factory.
- A condensate pan and drain are provided under the coil.
- The coil fins are coated with hydrophilic paints.
- The factory-installed condensate lift mechanism is able to raise drain water 29-1/2 inches water column above the condensate pan.
- Both refrigerant lines to the indoor units are insulated.

The unit uses 18 AWG, 25pF/ft nom., 60.7 Ω impedance, braid or foil shielded, twisted pair wire for communications wiring. Splicing of communication wiring is not be permitted.

The unit uses controls provided by Trane to perform functions necessary to operate the system.

Controls

Zone Controllers

Type	Figure	Model Number
Wireless remote control • Mode: heat/cool/auto/off • Fan: auto/high/med/low • Service indicator ***Note:*** *Requires the use of a duct signal receiver.*		TVCTRLTRDH00UT
Wireless control EcoAir • Mode: heat/cool/auto/off • Fan: auto/high/med/low • Occupancy/setback • Service indicator		TVCTRLTECOAIR1A
EcoTouch • Mode: heat/cool/auto/off • Fan: auto/high/med/low • Occupancy/setback • Service indicator		TVCTRLECOTCH1A
Simple touch wired control • Mode: heat/cool/auto/off • Fan: auto/high/med/low • Service indicator		TVCTRLTWR0002T
Wired remote control • Mode: heat/cool/auto/off • Fan: auto/high/med/low • Programmable • Service indicator		TVCTRLTWRWD02T

Centralized Control Systems

Type	Model Number
VRF touch screen control	TVCTRLTCMA300T

Integrated System Management

Type	Model Number
VRF enterprise management software	TVCTRLTSTP3P00
VRF power meter interface (PIM)	TVCTRLTIMB16A0

Building Management System Gateways

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

Interface Modules

Type	Model Number
VRF external contact interface module/auxiliary heat module	TVCTRLTIMB14A0

Sensors

Type	Model Number
VRF external room temperature sensor	TVCTRLTRWTA000

Commissioning Utility Kits

Type	Model Number
VRF Technician Utilities Tool (TUT)	TVCTRLTIMC0300

Product Specification

Table 1. Product specification: 9, 12, 18 and 24 MBH

Model				4TVC0009**	4TVC0012**	4TVC0018**	4TVC0024**
Power Supply				**1,208-230,60**	**1,208-230,60**	**1,208-230,60**	**1,208-230,60**
Mode			**Unit**	**HP/HR**	**HP/HR**	**HP/HR**	**HP/HR**
Performance	Capacity (nominal)	Cooling[1]	Btu/h	9,000	12,000	18,000	24,000
		Heating[1]	Btu/h	10,000	13,500	20,000	27,000
Power	Power input (nominal)	Cooling[1]	W	32.00	32.00	32.00	40.00
		Heating[1]		32.00	32.00	32.00	40.00
	Current input (nominal)	Cooling[1]	A	0.25	0.25	0.25	0.3
		Heating[1]		0.25	0.25	0.25	0.3
Fan		Type	-	Turbo fan	Turbo fan	Turbo fan	Turbo fan
	Motor	Output x n	W	65 x 1	65 x 1	65 x 1	65 x 1
	Air flow rate	H/M/L (UL)	CFM	547/494/424	547/494/424	547/494/424	618/565/494
	External pressure	Min/Std/ Max	Pa	-	-	-	-
Piping connections	Liquid pipe		Ø, inch	1/4	1/4	1/4	3/8
	Gas pipe		Ø, inch	1/2	1/2	1/2	5/8
	Drain pipe		Ø, mm	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)	VP25 (OD 32,ID 25)
Refrigerant	Type		-	R410A	R410A	R410A	R410A
	Control method		-	EEV included	EEV included	EEV included	EEV included
Sound	Sound pressure[2]	High/mid/ low	dBA	34.0/33.0/31.0	34.0/33.0/31.0	34.0/33.0/31.0	36.0/35.0/34.0
Dimensions	Net weight		lbs	33.07	33.07	33.07	33.07
	Shipping weight		lbs	40.79	40.79	40.79	40.79
	Net dimensions (W×H×D)		inch	33-1/8 x 11-3/8 x 33-1/8	33-1/8 x 11-3/8 x 33-1/8	33-1/8 x 11-3/8 x 33-1/8	33-1/8 x 11-3/8 x 33-1/8
	Shipping dimensions (W×H×D)		inch	35-3/8 x 14-1/8 x 35-3/8	35-3/8 x 14-1/8 x 35-3/8	35-3/8 x 14-1/8 x 35-3/8	35-3/8 x 14-1/8 x 35-3/8
Panel size	Panel model		Model name	PC4NUSKFN	PC4NUSKFN	PC4NUSKFN	PC4NUSKFN
	Panel net weight		lbs	12.79	12.79	12.79	12.79
	Shipping weight		lbs	18.52	18.52	18.52	18.52
	Net dimensions (W×H×D)		inch	37-3/8 x 1-3/4 x 37-3/8	37-3/8 x 1-3/4 x 37-3/8	37-3/8 x 1-3/4 x 37-3/8	37-3/8 x 1-3/4 x 37-3/8
	Shipping dimensions (W×H×D)		inch	39-1/2 x 3-7/8 x 39-1/2	39-1/2 x 3-7/8 x 39-1/2	39-1/2 x 3-7/8 x 39-1/2	39-1/2 x 3-7/8 x 39-1/2

Table 1. Product specification: 9, 12, 18 and 24 MBH (continued)

Model				4TVC0009**	4TVC0012**	4TVC0018**	4TVC0024**
Power Supply			Unit	1,208-230,60	1,208-230,60	1,208-230,60	1,208-230,60
Mode				HP/HR	HP/HR	HP/HR	HP/HR
Accessories	Drain pump	Drain pump	Model name	Built-in	Built-in	Built-in	Built-in
		Max. lift	inch	29	29	29	29
	Air filter		-	Long life filter	Long life filter	Long life filter	Long life filter

Notes:

1. *Nominal Capacity are based on (equivalent refrigerant piping: 25 ft., level differences: 0 ft.):*
   - ***Cooling**: Indoor temperature: 80°F DB, 67°F WB/outdoor temperature: 95°F DB, 75°F WB*
   - ***Heating**: Indoor temperature: 70°F DB, 60°F WB/outdoor temperature : 47°F DB, 43°F WB*
2. *Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.*
3. *Specifications are subject to change without prior notice for product improvement.*

Table 2. Product specification: 30, 36, and 48 MBH

Model				4TVC0030**	4TVC0036**	4TVC0048**
Power Supply				**1,208-230,60**	**1,208-230,60**	**1,208-230,60**
Mode			**Unit**	**HP/HR**	**HP/HR**	**HP/HR**
Performance	Capacity (nominal)	Cooling[1]	Btu/h	30,000	36,000	48,000
		Heating[1]	Btu/h	34,000	40,000	54,000
Power	Power input (nominal)	Cooling[1]	W	65.00	75.00	95.00
		Heating[1]		65.00	75.00	95.00
	Current input (nominal)	Cooling[1]	A	0.50	0.56	0.75
		Heating[1]		0.50	0.56	0.75
Fan	Motor	Type	-	Turbo fan	Turbo fan	Turbo fan
		Output x n	W	97 x 1	97 x 1	97 x 1
	Air flow rate	H/M/L (UL)	CFM	777/689/600	848/777/706	1,024/954/848
	External pressure	Min/std/max	Pa	-	-	-
Piping connections	Liquid pipe		Ø, inch	1/8	3/8	3/8
	Gas pipe		Ø, inch	3/8	3/8	3/8
	Type		-	R410A	R410A	R410A
Refrigerant	Control method		-	EEV included	EEV included	EEV included
Sound	Sound pressure[2]	High/mid/low	dBA	39.0/34.0/30.0	40.0/37.0/33.0	44.0/42.0/39.0
Dimensions	Net weight		lbs	40.79	40.79	40.79
	Shipping weight		lbs	50.71	50.71	50.71
	Net dimensions (W×H×D)		inch	33-1/8 x 11-3/8 x 33-1/8	33-1/8 x 11-3/8 x 33-1/8	33-1/8 x 11-3/8 x 33-1/8
	Shipping dimensions (W×H×D)		inch	35-3/8 x 14-1/8 x 35-3/8	35-3/8 x 14-1/8 x 35-3/8	35-3/8 x 14-1/8 x 35-3/8
Panel size	Panel model		Model name	PC4NUSKFN	PC4NUSKFN	PC4NUSKFN
	Panel net weight		lbs	12.79	12.79	12.79
	Shipping weight		lbs	18.52	18.52	18.52
	Net dimensions (W×H×D)		inch	37-3/8 x 1-3/4 x 37-3/8	37-3/8 x 1-3/4 x 37-3/8	37-3/8 x 1-3/4 x 37-3/8
	Shipping dimensions (W×H×D)		inch	39-1/2 x 3-7/8 x 39-1/2	39-1/2 x 3-7/8 x 39-1/2	39-1/2 x 3-7/8 x 39-1/2

Table 2. Product specification: 30, 36, and 48 MBH (continued)

Model				**4TVC0030****	**4TVC0036****	**4TVC0048****
Power Supply			**Unit**	**1,208-230,60**	**1,208-230,60**	**1,208-230,60**
Mode				**HP/HR**	**HP/HR**	**HP/HR**
Accessories	Drain pump	Drain pump	Model name	Built-in	Built-in	Built-in
		Max. lift	Inch	29	29	29
	Air filter		-	Long life filter	Long life filter	Long life filter

Notes:

1. *Nominal Capacity are based on (equivalent refrigerant piping: 25 ft., level differences: 0 ft.):*
   - ***Cooling**: Indoor temperature: 80°F DB, 67°F WB/outdoor temperature: 95°F DB, 75°F WB*
   - ***Heating**: Indoor temperature: 70°F DB, 60°F WB/outdoor temperature: 47°F DB, 43°F WB*
2. *Sound pressure was acquired in a dead room. Thus actual noise level may be different depending on the installation conditions.*
3. *Specifications are subject to change without prior notice for product improvement.*

Table 3. Cooling capacity table: 4TVC0009**

Out-door Temp (˚F, DB)	Indoor Temperature (˚F, WB)													
	57		61		64		67		70		72		75	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h
50	6,300	5,300	7,400	5,900	8,500	6,500	9,000	6,500	9,300	6,500	10,200	6,500	10,800	6,200
54	6,300	5,300	7,400	5,900	8,500	6,500	9,000	6,500	9,300	6,500	10,200	6,500	10,800	6,200
58	6,300	5,300	7,400	5,900	8,500	6,500	9,000	6,500	9,300	6,500	10,000	6,300	10,800	6,200
60	6,300	5,300	7,400	5,900	8,500	6,500	9,000	6,500	9,300	6,500	10,000	6,300	10,600	6,000
64	6,300	5,300	7,400	5,900	8,500	6,500	9,000	6,500	9,300	6,500	10,000	6,300	10,600	6,000
67	6,300	5,300	7,400	5,900	8,500	6,500	9,000	6,500	9,300	6,500	10,000	6,300	10,600	6,000
70	6,300	5,300	7,400	5,900	8,500	6,500	9,000	6,500	9,300	6,500	10,000	6,300	10,600	6,000
73	6,300	5,300	7,400	5,900	8,500	6,500	9,000	6,500	9,300	6,500	10,000	6,300	10,600	6,000
77	6,300	5,300	7,400	5,900	8,500	6,500	9,000	6,500	9,300	6,500	10,000	6,300	10,600	6,000
80	6,300	5,300	7,400	5,900	8,500	6,500	9,000	6,500	9,300	6,500	10,000	6,300	10,600	6,000
84	6,300	5,300	7,400	5,900	8,500	6,500	9,000	6,500	9,300	6,500	10,000	6,300	10,600	6,000
88	6,300	5,300	7,400	5,900	8,500	6,500	9,000	6,500	9,300	6,500	10,000	6,300	10,600	6,000
92	6,300	5,300	7,400	5,900	8,500	6,500	9,000	6,500	9,300	6,500	10,000	6,300	10,600	6,000
95	6,300	5,300	7,400	5,900	8,500	6,500	9,000	6,500	9,300	6,500	10,000	6,300	10,600	6,000
99	6,300	5,300	7,400	5,900	8,500	6,500	9,000	6,500	9,300	6,500	10,000	6,300	10,600	5,900
103	6,300	5,300	7,400	5,900	8,500	6,500	9,000	6,500	9,300	6,500	10,000	6,300	10,600	5,700
107	6,300	5,300	7,400	5,900	8,500	6,500	8,700	6,300	9,000	6,300	9,300	6,000	9,700	5,300
111	6,300	5,300	7,400	5,900	8,100	6,300	8,500	6,200	8,700	6,200	8,900	5,900	9,000	5,000
115	6,300	5,300	7,400	5,900	8,100	6,300	8,500	6,200	8,700	6,200	8,900	5,900	9,000	5,000
118	6,300	5,300	7,400	5,900	8,100	6,300	8,500	6,200	8,700	6,200	8,900	5,900	9,000	5,000

Notes:

- *TC: Total capacity*
- *SHC: Sensible heat capacity*

Table 4. Cooling capacity table: 4TVC0012**

Outdoor Temp (˚F, DB)	Indoor Temperature (˚F, WB)													
	57		61		64		67		70		72		75	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h
50	8,300	7,300	9,700	8,300	11,300	9,000	12,000	9,300	12,300	9,300	13,300	9,300	14,300	9,000
54	8,300	7,300	9,700	8,300	11,300	9,000	12,000	9,300	12,300	9,300	13,300	9,300	14,300	9,000
58	8,300	7,300	9,700	8,300	11,300	9,000	12,000	9,300	12,300	9,300	13,300	9,300	14,300	9,000
60	8,300	7,300	9,700	8,300	11,300	9,000	12,000	9,300	12,300	9,300	13,300	9,300	14,300	9,000
64	8,300	7,300	9,700	8,300	11,300	9,000	12,000	9,300	12,300	9,300	13,300	9,300	14,300	9,000
67	8,300	7,300	9,700	8,300	11,300	9,000	12,000	9,300	12,300	9,300	13,300	9,300	14,000	8,700
70	8,300	7,300	9,700	8,300	11,300	9,000	12,000	9,300	12,300	9,300	13,300	9,300	14,000	8,700
73	8,300	7,300	9,700	8,300	11,300	9,000	12,000	9,300	12,300	9,300	13,300	9,300	14,000	8,700
77	8,300	7,300	9,700	8,300	11,300	9,000	12,000	9,300	12,300	9,300	13,300	9,300	14,000	8,700
80	8,300	7,300	9,700	8,300	11,300	9,000	12,000	9,300	12,300	9,300	13,300	9,300	14,000	8,700
84	8,300	7,300	9,700	8,300	11,300	9,000	12,000	9,300	12,300	9,300	13,300	9,300	14,000	8,700
88	8,300	7,300	9,700	8,300	11,300	9,000	12,000	9,300	12,300	9,300	13,300	9,300	14,000	8,700
92	8,300	7,300	9,700	8,300	11,300	9,000	12,000	9,300	12,300	9,300	13,300	9,300	14,000	8,700
95	8,300	7,300	9,700	8,300	11,300	9,000	12,000	9,300	12,300	9,300	13,300	9,300	14,000	8,700
99	8,300	7,300	9,700	8,300	11,300	9,000	12,000	9,300	12,300	9,300	13,200	9,000	14,000	8,700
103	8,300	7,300	9,700	8,300	11,300	9,000	12,000	9,300	12,300	9,300	12,900	9,000	13,700	8,600
107	8,300	7,300	9,700	8,300	11,300	9,000	11,800	9,200	12,000	9,100	12,400	8,700	13,000	8,300
111	8,300	7,300	9,700	8,300	11,000	8,800	11,500	9,000	11,700	9,000	12,000	8,500	12,400	8,000
115	8,300	7,300	9,700	8,300	10,800	8,700	11,300	8,900	11,500	8,900	11,700	8,400	12,000	7,900
118	8,300	7,300	9,700	8,300	10,700	8,700	11,100	8,900	11,300	8,800	11,400	8,300	11,800	7,800

Notes:

- *TC: Total capacity*
- *SHC: Sensible heat capacity*

Table 5. Cooling capacity table: 4TVC0018**

Outdoor Temp (˚F, DB)	Indoor Temperature (˚F, WB)													
	57		61		64		67		70		72		75	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h
50	12,500	10,300	14,800	11,300	17,000	12,500	18,000	12,500	18,600	12,500	20,300	12,500	21,500	11,900
54	12,500	10,300	14,800	11,300	17,000	12,500	18,000	12,500	18,600	12,500	20,300	12,500	21,500	11,900
58	12,500	10,300	14,800	11,300	17,000	12,500	18,000	12,500	18,600	12,500	19,900	12,200	21,500	11,900
60	12,500	10,300	14,800	11,300	17,000	12,500	18,000	12,500	18,600	12,500	19,900	12,200	21,200	11,600
64	12,500	10,300	14,800	11,300	17,000	12,500	18,000	12,500	18,600	12,500	19,900	12,200	21,200	11,600
67	12,500	10,300	14,800	11,300	17,000	12,500	18,000	12,500	18,600	12,500	19,900	12,200	21,200	11,600
70	12,500	10,300	14,800	11,300	17,000	12,500	18,000	12,500	18,600	12,500	19,900	12,200	21,200	11,600
73	12,500	10,300	14,800	11,300	17,000	12,500	18,000	12,500	18,600	12,500	19,900	12,200	21,200	11,600
77	12,500	10,300	14,800	11,300	17,000	12,500	18,000	12,500	18,600	12,500	19,900	12,200	21,200	11,600
80	12,500	10,300	14,800	11,300	17,000	12,500	18,000	12,500	18,600	12,500	19,900	12,200	21,200	11,600
84	12,500	10,300	14,800	11,300	17,000	12,500	18,000	12,500	18,600	12,500	19,900	12,200	21,200	11,600
88	12,500	10,300	14,800	11,300	17,000	12,500	18,000	12,500	18,600	12,500	19,900	12,200	21,200	11,600
92	12,500	10,300	14,800	11,300	17,000	12,500	18,000	12,500	18,600	12,500	19,900	12,200	21,200	11,600
95	12,500	10,300	14,800	11,300	17,000	12,500	18,000	12,500	18,600	12,500	19,900	12,200	21,200	11,600
99	12,500	10,300	14,800	11,300	17,000	12,500	18,000	12,500	18,600	12,500	19,900	12,200	21,200	11,300
103	12,500	10,300	14,800	11,300	17,000	12,500	18,000	12,500	18,600	12,500	19,900	12,200	21,200	10,900
107	12,500	10,300	14,800	11,300	17,000	12,500	17,400	12,200	18,000	12,200	18,600	11,600	19,300	10,300
111	12,500	10,300	14,800	11,300	16,100	12,200	17,000	11,900	17,400	11,900	17,700	11,300	18,000	9,600
115	12,500	10,300	14,800	11,300	16,100	12,200	17,000	11,900	17,400	11,900	17,700	11,300	18,000	9,600
118	12,500	10,300	14,800	11,300	16,100	12,200	17,000	11,900	17,400	11,900	17,700	11,300	18,000	9,600

Notes:

- *TC: Total capacity*
- *SHC: Sensible heat capacity*

Table 6. Cooling capacity table: 4TVC0024**

Outdoor Temp (˚F, DB)	Indoor Temperature (˚F, WB)													
	57		61		64		67		70		72		75	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h
50	16,600	13,500	19,600	15,200	22,600	16,200	24,000	16,900	25,000	16,900	27,000	17,200	28,700	16,200
54	16,600	13,500	19,600	15,200	22,600	16,200	24,000	16,900	25,000	16,900	26,700	16,900	28,700	16,200
58	16,600	13,500	19,600	15,200	22,600	16,200	24,000	16,900	25,000	16,900	26,700	16,900	28,700	16,200
60	16,600	13,500	19,600	15,200	22,600	16,200	24,000	16,900	25,000	16,900	26,700	16,900	28,400	16,200
64	16,600	13,500	19,600	15,200	22,600	16,200	24,000	16,900	25,000	16,900	26,700	16,900	28,400	16,200
67	16,600	13,500	19,600	15,200	22,600	16,200	24,000	16,900	25,000	16,900	26,700	16,900	28,400	16,200
70	16,600	13,500	19,600	15,200	22,600	16,200	24,000	16,900	25,000	16,900	26,700	16,900	28,400	16,200
73	16,600	13,500	19,600	15,200	22,600	16,200	24,000	16,900	25,000	16,900	26,700	16,900	28,400	16,200
77	16,600	13,500	19,600	15,200	22,600	16,200	24,000	16,900	25,000	16,900	26,700	16,900	28,400	16,200
80	16,600	13,500	19,600	15,200	22,600	16,200	24,000	16,900	25,000	16,900	26,700	16,900	28,400	16,200
84	16,600	13,500	19,600	15,200	22,600	16,200	24,000	16,900	25,000	16,900	26,700	16,900	28,400	16,200
88	16,600	13,500	19,600	15,200	22,600	16,200	24,000	16,900	25,000	16,900	26,700	16,900	28,400	16,200
92	16,600	13,500	19,600	15,200	22,600	16,200	24,000	16,900	25,000	16,900	26,700	16,900	28,400	16,200
95	16,600	13,500	19,600	15,200	22,600	16,200	24,000	16,900	25,000	16,900	26,700	16,900	28,400	16,200
99	16,600	13,500	19,600	15,200	22,600	16,200	24,000	16,900	24,700	16,600	26,400	16,600	27,700	15,900
103	16,600	13,500	19,600	15,200	22,600	16,200	24,000	16,900	24,700	16,600	26,000	16,200	27,400	15,500
107	16,600	13,500	19,600	15,200	22,600	16,200	23,300	16,200	23,700	15,900	24,700	15,500	25,700	14,900
111	16,600	13,500	19,600	15,200	21,300	15,500	22,600	15,200	23,000	15,500	23,700	15,200	24,000	14,200
115	16,600	13,500	19,600	15,200	21,300	15,500	22,600	15,200	23,000	15,500	23,700	15,200	24,000	14,200
118	16,600	13,500	19,600	15,200	21,300	15,500	22,600	15,200	23,000	15,500	23,700	15,200	24,000	14,200

Notes:

- *TC: Total capacity*
- *SHC: Sensible heat capacity*

Table 7. Cooling capacity table: 4TVC0030

Outdoor Temp (˚F, DB)	Indoor Temperature (˚F, WB)													
	57		61		64		67		70		72		75	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h
50	20,700	17,300	24,300	19,000	28,000	21,000	30,000	21,000	31,300	21,000	33,700	21,000	36,000	21,000
54	20,700	17,300	24,300	19,000	28,000	21,000	30,000	21,000	31,300	21,000	33,700	21,000	36,000	21,000
58	20,700	17,300	24,300	19,000	28,000	21,000	30,000	21,000	31,000	21,000	33,300	20,700	35,700	20,700
60	20,700	17,300	24,300	19,000	28,000	21,000	30,000	21,000	31,000	21,000	33,300	20,700	35,700	20,700
64	20,700	17,300	24,300	19,000	28,000	21,000	30,000	21,000	31,000	21,000	33,300	20,700	35,300	20,300
67	20,700	17,300	24,300	19,000	28,000	21,000	30,000	21,000	31,000	21,000	33,300	20,700	35,300	20,300
70	20,700	17,300	24,300	19,000	28,000	21,000	30,000	21,000	31,000	21,000	33,300	20,700	35,300	20,300
73	20,700	17,300	24,300	19,000	28,000	21,000	30,000	21,000	31,000	21,000	33,300	20,700	35,300	20,300
77	20,700	17,300	24,300	19,000	28,000	21,000	30,000	21,000	31,000	21,000	33,300	20,700	35,300	20,300
80	20,700	17,300	24,300	19,000	28,000	21,000	30,000	21,000	31,000	21,000	33,300	20,700	35,300	20,300
84	20,700	17,300	24,300	19,000	28,000	21,000	30,000	21,000	31,000	21,000	33,300	20,700	35,300	20,300
88	20,700	17,300	24,300	19,000	28,000	21,000	30,000	21,000	31,000	21,000	33,300	20,700	35,300	20,300
92	20,700	17,300	24,300	19,000	28,000	21,000	30,000	21,000	31,000	21,000	33,300	20,700	35,300	20,300
95	20,700	17,300	24,300	19,000	28,000	21,000	30,000	21,000	31,000	21,000	33,300	20,700	35,300	20,300
99	20,700	17,300	24,300	19,000	28,000	21,000	30,000	21,000	31,000	21,000	33,000	20,300	34,700	20,000
103	20,700	17,300	24,300	19,000	28,000	21,000	30,000	21,300	30,700	20,700	32,300	20,000	34,000	19,700
107	20,700	17,300	24,300	19,000	28,000	21,000	29,000	20,700	29,700	20,700	31,000	19,300	32,000	19,300
111	20,700	17,300	24,300	19,000	26,700	20,300	28,700	20,300	28,700	20,300	29,300	18,700	30,000	18,300
115	20,700	17,300	24,300	19,000	26,700	20,300	28,700	20,300	28,700	20,300	29,300	18,700	30,000	18,300
118	20,700	17,300	24,300	19,000	26,700	20,300	28,700	20,300	28,700	20,300	29,300	18,700	30,000	18,300

Notes:

- *TC: Total capacity*
- *SHC: Sensible heat capacity*

Table 8. Cooling capacity table: 4TVC0036**

Outdoor Temp (˚F, DB)	Indoor Temperature (˚F, WB)													
	57		61		64		67		70		72		75	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h
50	24,800	20,600	29,300	22,800	33,800	25,100	36,000	25,400	37,300	25,400	40,200	25,400	43,100	25,400
54	24,800	20,600	29,300	22,800	33,800	25,100	36,000	25,400	37,300	25,400	40,200	25,400	43,100	25,400
58	24,800	20,600	29,300	22,800	33,800	25,100	36,000	25,400	37,300	25,400	40,200	25,400	42,800	25,100
60	24,800	20,600	29,300	22,800	33,800	25,100	36,000	25,400	37,300	25,400	40,200	25,400	42,800	25,100
64	24,800	20,600	29,300	22,800	33,800	25,100	36,000	25,400	37,300	25,400	39,900	25,400	42,400	24,800
67	24,800	20,600	29,300	22,800	33,800	25,100	36,000	25,400	37,300	25,400	39,900	25,400	42,400	24,800
70	24,800	20,600	29,300	22,800	33,800	25,100	36,000	25,400	37,300	25,400	39,900	25,400	42,400	24,800
73	24,800	20,600	29,300	22,800	33,800	25,100	36,000	25,400	37,300	25,400	39,900	25,400	42,400	24,800
77	24,800	20,600	29,300	22,800	33,800	25,100	36,000	25,400	37,300	25,400	39,900	25,400	42,400	24,800
80	24,800	20,600	29,300	22,800	33,800	25,100	36,000	25,400	37,300	25,400	39,900	25,400	42,400	24,800
84	24,800	20,600	29,300	22,800	33,800	25,100	36,000	25,400	37,300	25,400	39,900	25,400	42,400	24,800
88	24,800	20,600	29,300	22,800	33,800	25,100	36,000	25,400	37,300	25,400	39,900	25,400	42,400	24,800
92	24,800	20,300	29,300	22,500	33,800	25,100	36,000	25,400	37,300	25,400	39,900	25,400	42,400	24,800
95	24,800	20,300	29,300	22,500	33,800	25,100	36,000	25,400	37,300	25,400	39,900	25,400	42,400	24,800
99	24,800	20,300	29,300	22,500	33,800	25,100	36,000	25,400	37,300	25,400	39,500	25,100	41,800	24,400
103	24,800	20,300	29,300	22,500	33,800	25,100	36,000	25,700	37,000	25,100	38,900	24,800	40,800	24,100
107	24,800	20,300	29,300	22,500	33,800	25,100	35,000	24,800	35,700	24,400	37,300	24,100	38,600	23,800
111	24,800	20,300	29,300	22,500	32,100	23,800	34,100	24,400	34,700	24,100	35,400	23,100	36,000	22,500
115	24,800	20,300	29,300	22,500	32,100	23,800	34,100	24,400	34,700	24,100	35,400	23,100	36,000	22,500
118	24,800	20,300	29,300	22,500	32,100	23,800	34,100	24,400	34,700	24,100	35,400	23,100	36,000	22,500

Notes:

- *TC: Total capacity*
- *SHC: Sensible heat capacity*

Table 9. Cooling capacity table: 4TVC0048**

Outdoor Temp (˚F, DB)	Indoor Temperature (˚F, WB)													
	57		61		64		67		70		72		75	
	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h
50	33,300	26,400	39,100	29,100	44,900	32,200	48,000	32,900	50,100	32,900	53,800	32,600	57,600	33,300
54	33,300	26,400	39,100	29,100	44,900	32,200	48,000	32,900	49,700	32,900	53,500	32,900	57,300	32,900
58	33,300	26,400	39,100	29,100	44,900	32,200	48,000	32,900	49,700	32,900	53,500	32,900	57,300	32,900
60	33,300	26,400	39,100	29,100	44,900	32,200	48,000	32,900	49,700	32,900	53,500	32,900	56,900	32,600
64	33,300	26,400	39,100	29,100	44,900	32,200	48,000	32,900	49,700	32,900	53,100	32,600	56,900	32,600
67	33,300	26,400	39,100	29,100	44,900	32,200	48,000	32,900	49,700	32,900	53,100	32,600	56,600	32,200
70	33,300	26,400	39,100	29,100	44,900	32,200	48,000	32,900	49,700	32,900	53,100	32,600	56,600	32,200
73	33,300	26,400	39,100	29,100	44,900	32,200	48,000	32,900	49,700	32,900	53,100	32,600	56,600	32,200
77	33,300	26,400	39,100	29,100	44,900	32,200	48,000	32,900	49,700	32,900	53,100	32,600	56,600	32,200
80	33,300	26,400	39,100	29,100	44,900	32,200	48,000	32,900	49,700	32,900	53,100	32,600	56,600	32,200
84	33,300	26,400	39,100	29,100	44,900	32,200	48,000	32,900	49,700	32,900	53,100	32,600	56,600	32,200
88	33,300	26,400	39,100	29,100	44,900	32,200	48,000	32,900	49,700	32,900	53,100	32,600	56,600	32,200
92	33,300	26,400	39,100	29,100	44,900	32,200	48,000	32,900	49,700	32,900	53,100	32,600	56,600	32,200
95	33,300	26,400	39,100	29,100	44,900	32,200	48,000	32,900	49,700	32,900	53,100	32,600	56,600	32,200
99	33,300	26,400	39,100	29,100	44,900	32,200	48,000	32,900	49,700	32,900	52,800	32,200	55,900	31,500
103	33,300	26,400	39,100	29,100	44,900	32,200	48,000	32,900	49,400	32,200	51,800	31,900	54,500	30,900
107	33,300	26,400	39,100	29,100	44,900	32,200	46,600	31,900	47,700	31,500	49,400	30,500	51,400	29,100
111	33,300	26,400	39,100	29,100	42,900	31,200	45,600	31,500	45,900	30,200	47,000	28,800	48,000	27,800
115	33,300	26,400	39,100	29,100	42,900	31,200	45,600	31,500	45,900	30,200	47,000	28,800	48,000	27,800
118	33,300	26,400	39,100	29,100	42,900	31,200	45,600	31,500	45,900	30,200	47,000	28,800	48,000	27,800

Notes:

- *TC: Total capacity*
- *SHC: Sensible heat capacity*

Table 10. Heating capacity table: 4TVC0009**

Outdoor Temperature (˚F)		Indoor Temperature (˚F, DB)				
		61	65	70	72	75
		TC	TC	TC	TC	TC
DB	WB	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h
-12.60	-13	6400	6300	6200	6100	6100
-7.10	-7.60	6400	6300	6200	6100	6100
-3.60	-4	6400	6300	6200	6100	6100
-1.80	-2.20	6500	6400	6300	6200	6200
-1.80	-2	6500	6400	6300	6200	6200
2	1	6600	6600	6300	6300	6300
6	5	6900	6800	6500	6400	6300
10	9	7300	7100	6900	6900	6800
13	12	7600	7600	7400	7300	7300
17	15	7800	7700	7600	7500	7400
19	18	8100	7900	7800	7700	7500
23	21	8600	8500	8200	8100	7700
26	24	9000	8800	8600	8500	8100
30	28	9100	9000	8800	8600	8200
35	32	9400	9200	9000	8800	8200
39	36	9700	9700	9400	9200	8800
44	40	10300	10100	9600	9400	8800
47	43	10700	10600	10000	9600	8800
51	47	11000	10700	10000	9600	8800
54	50	11400	10900	10000	9600	8800
57	53	11800	11000	10000	9600	8800
60	56	12000	11300	10000	9600	8800

Note: *TC: Total capacity*

Table 11. Heating capacity table: 4TVC0012**

Outdoor Temperature (˚F)		Indoor Temperature (˚F, DB)				
		61	65	70	72	75
		TC	TC	TC	TC	TC
DB	WB	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h
-12.60	-13	8400	8300	8100	8100	8100
-7.10	-7.60	8400	8300	8100	8100	8100
-3.60	-4	8400	8300	8100	8100	8100
-1.80	-2.20	8800	8500	8200	8200	8100
-1.80	-2	8800	8500	8200	8200	8100
2	1	9100	8800	8400	8400	8100
6	5	9500	9100	8800	8800	8400
10	9	9800	9500	9300	9100	9000
13	12	10200	10100	10000	9800	9600
17	15	10500	10400	10300	10200	10000
19	18	10900	10700	10500	10500	10200
23	21	11600	11200	11000	10900	10500
26	24	11900	11700	11400	11200	10900
30	28	12300	12100	11700	11600	11000
35	32	12600	12500	12100	11900	11400
39	36	13300	13000	12600	12300	11900
44	40	13800	13600	13000	12600	11900
47	43	14400	14100	13500	13000	11900
51	47	14800	14400	13500	13000	11900
54	50	15400	14700	13500	13000	11900
57	53	15800	14900	13500	13000	11900
60	56	16100	15000	13500	13000	11900

Note: *TC: Total capacity*

Table 12. Heating capacity table: 4TVC0018**

Outdoor Temperature (˚F)		Indoor Temperature (˚F, DB)				
		61	65	70	72	75
		TC	TC	TC	TC	TC
DB	WB	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h
-12.60	-13	12900	12600	12400	12200	12200
-7.10	-7.60	12900	12600	12400	12200	12200
-3.60	-4	12900	12600	12400	12200	12200
-1.80	-2.20	13100	12900	12600	12400	12400
-1.80	-2	13100	12900	12600	12400	12400
2	1	13200	13200	12700	12600	12600
6	5	13900	13600	13100	12900	12600
10	9	14500	14200	13900	13900	13600
13	12	15200	15200	14700	14500	14500
17	15	15700	15500	15200	15000	14700
19	18	16200	15900	15700	15500	14900
23	21	17200	16900	16400	16200	15500
26	24	17900	17500	17200	16900	16200
30	28	18300	18000	17500	17200	16400
35	32	18800	18500	17900	17500	16500
39	36	19500	19500	18800	18500	17500
44	40	20500	20200	19300	18800	17500
47	43	21500	21200	20000	19200	17500
51	47	22100	21500	20000	19200	17500
54	50	22800	21800	20000	19200	17500
57	53	23500	22100	20000	19200	17500
60	56	24100	22500	20000	19200	17500

Note: *TC: Total capacity*

Table 13. Heating capacity table: 4TVC0024**

Outdoor Temperature (˚F)		Indoor Temperature (˚F, DB)				
		61	65	70	72	75
		TC	TC	TC	TC	TC
DB	WB	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h
-12.60	-13	17200	17200	16700	16500	16500
-7.10	-7.60	17200	17200	16700	16500	16500
-3.60	-4	17200	17200	16700	16500	16500
-1.80	-2.20	17500	17400	16800	16700	16700
-1.80	-2	17500	17400	16800	16700	16700
2	1	17900	17500	17000	16800	16800
6	5	18600	18200	17500	17200	16800
10	9	19600	19300	18800	18600	18200
13	12	20700	20300	19800	19600	19600
17	15	21200	20900	20300	20200	20000
19	18	21700	21400	20900	20700	20300
23	21	22800	22800	22100	21700	21000
26	24	24200	23800	23000	22400	21700
30	28	24700	24400	23500	23000	22100
35	32	25200	24900	24000	23500	22400
39	36	26600	26300	25200	24900	23800
44	40	27700	27400	26100	25200	23800
47	43	28800	28400	27000	25900	23800
51	47	29800	28800	27000	25900	23800
54	50	30500	29500	27000	25900	23800
57	53	31600	29800	27000	25900	23800
60	56	32300	30200	27000	25900	23800

Note: *TC: Total capacity*

Table 14. Heating capacity table: 4TVC0030**

Outdoor Temperature (˚F)		Indoor Temperature (˚F, DB)				
		61	65	70	72	75
		TC	TC	TC	TC	TC
DB	WB	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h
-12.60	-13	21300	21300	20700	20500	20500
-7.10	-7.60	21300	21300	20700	20500	20500
-3.60	-4	21300	21300	20700	20500	20500
-1.80	-2.20	21800	21800	21100	20900	20700
-1.80	-2	21800	21800	21100	20900	20700
2	1	22300	22300	21400	21300	20900
6	5	23700	23000	22000	21600	21300
10	9	24800	24400	23600	23400	23000
13	12	25900	25500	25000	24800	24800
17	15	26700	26400	25800	25500	25100
19	18	27600	27300	26600	26200	25500
23	21	29000	28700	27800	27300	26600
26	24	30500	30100	29200	28700	27300
30	28	31200	30800	29800	29200	27800
35	32	31900	31500	30500	29800	28300
39	36	33300	32900	31900	31200	29800
44	40	35100	34400	32900	31900	29800
47	43	36500	35800	34000	32600	29800
51	47	37500	36500	34000	32600	29800
54	50	38600	37200	34000	32600	29800
57	53	39700	37500	34000	32600	29800
60	56	41100	38300	34000	32600	29800

Note: *TC: Total capacity*

Table 15. Heating capacity table: 4TVC0036**

Outdoor Temperature (˚F)		Indoor Temperature (˚F, DB)				
		61	65	70	72	75
		TC	TC	TC	TC	TC
DB	WB	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h
-12.60	-13	24700	24700	24300	24300	24300
-7.10	-7.60	24700	24700	24300	24300	24300
-3.60	-4	24700	24700	24300	24300	24300
-1.80	-2.20	25700	25300	24800	24700	24500
-1.80	-2	25700	25300	24800	24700	24500
2	1	26700	26000	25200	25000	24700
6	5	28000	27000	26000	25700	25000
10	9	29300	28700	27700	27300	27000
13	12	30700	30000	29500	29300	29000
17	15	31500	31000	30300	30000	29500
19	18	32300	32000	31000	30700	30000
23	21	34000	33700	32500	32000	31000
26	24	35700	35300	34300	33700	32300
30	28	36700	36200	35200	34300	32800
35	32	37700	37000	36000	35000	33300
39	36	39300	38700	37500	36700	35300
44	40	41000	40700	38800	37700	35300
47	43	43000	42300	40000	38300	35300
51	47	44300	43000	40000	38300	35300
54	50	45700	43700	40000	38300	35300
57	53	46700	44300	40000	38300	35300
60	56	48000	45000	40000	38300	35300

Note: *TC: Total capacity*

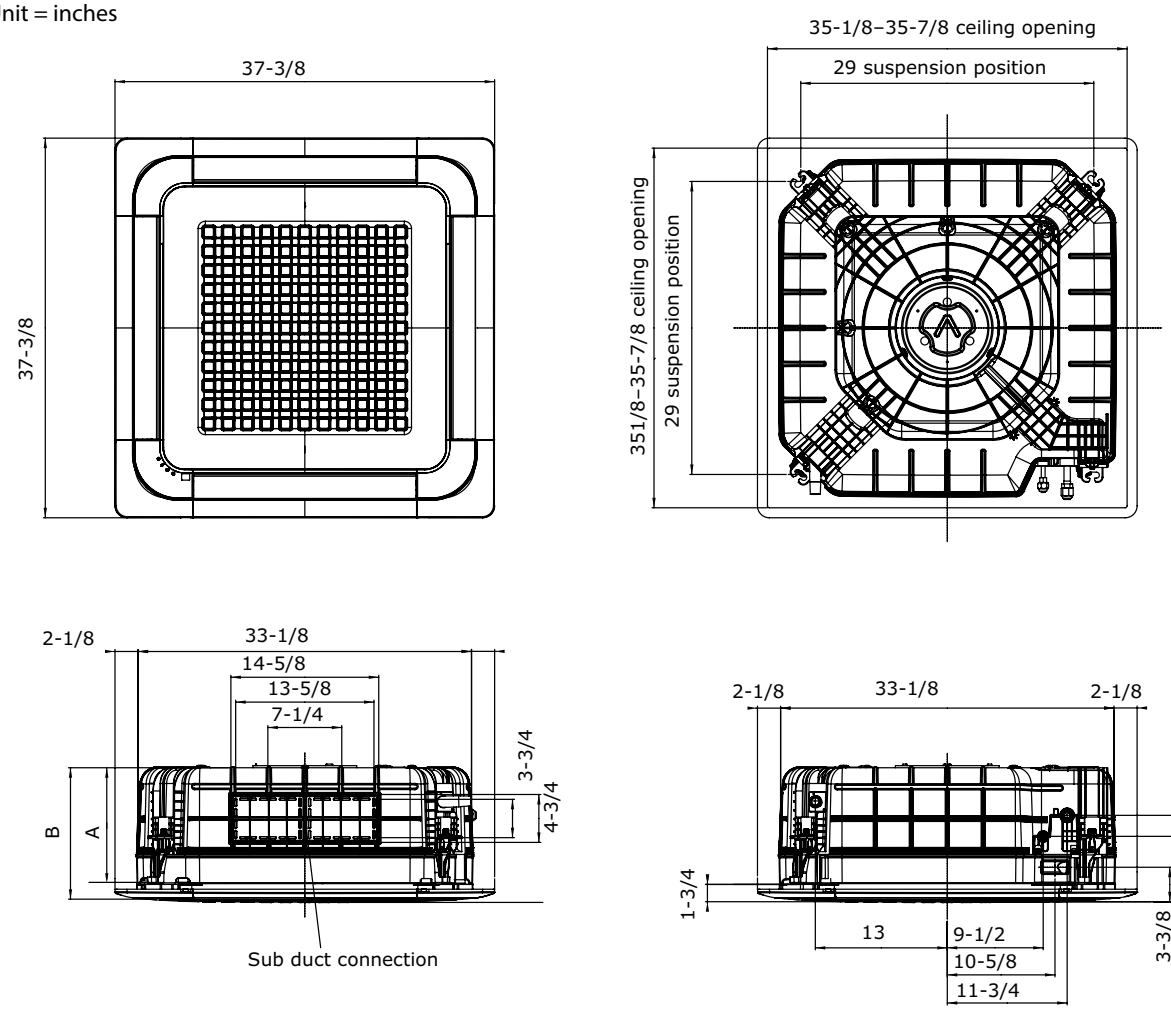
Table 16. Heating capacity table: 4TVC0048**

Outdoor Temperature (˚F)		Indoor Temperature (˚F, DB)				
		61	65	70	72	75
		TC	TC	TC	TC	TC
DB	WB	Btu/h	Btu/h	Btu/h	Btu/h	Btu/h
-12.60	-13	33300	33300	33000	33000	32600
-7.10	-7.60	33300	33300	33000	33000	32600
-3.60	-4	33300	33300	33000	33000	32600
-1.80	-2.20	34400	34000	33300	33300	32800
-1.80	-2	34400	34000	33300	33300	32800
2	1	35400	34700	33700	33700	33000
6	5	37500	36500	34900	34400	33300
10	9	39300	38600	37500	37200	36100
13	12	41000	40700	39800	39600	38900
17	15	42300	41700	40900	40500	39600
19	18	43500	42800	41900	41400	40300
23	21	45900	45200	43800	43100	42100
26	24	48400	47700	46100	45200	43500
30	28	49400	48700	47100	46100	44200
35	32	50500	49800	48000	47000	44900
39	36	52900	52200	50500	49400	47300
44	40	55400	54700	52100	50500	47300
47	43	57900	56800	54000	51900	47300
51	47	59600	57900	54000	51900	47300
54	50	61400	58600	54000	51900	47300
57	53	63100	59600	54000	51900	47300
60	56	64900	60300	54000	51900	47300

Note: *TC: Total capacity*

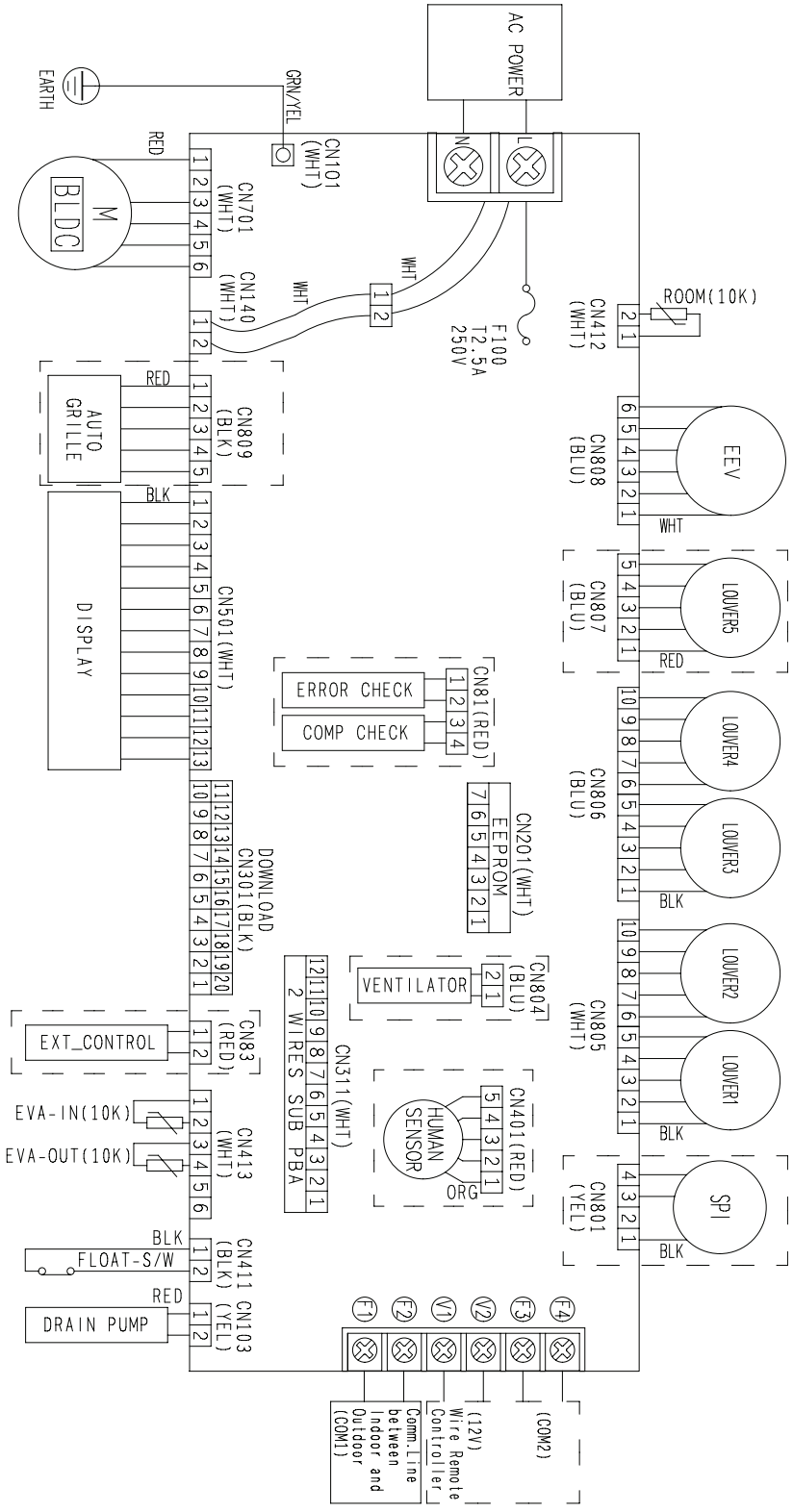
Dimensional Drawing

Unit = inches

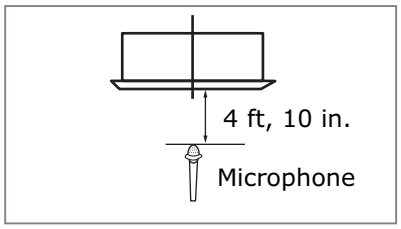


Model	4TVC0009** 4TVC0012** 4TVC0018**	4TVC0024**	4TVC0030** 4TVC0036** 4TVC0048**
A	8		11-1/4
B	10		13-1/4
Net dimension	33-1/8 x 11-3/8 x 33-1/8		33-1/8 x 11-3/8 x 33-1/8
Net weight	33.1 lb		40.8 lb
Liquid pipe connection	1/4	3/8	
Gas pipe connection	1/2	5/8	
Drain hose connection	ID: 1 inch		

Electrical Wiring



Sound Pressure



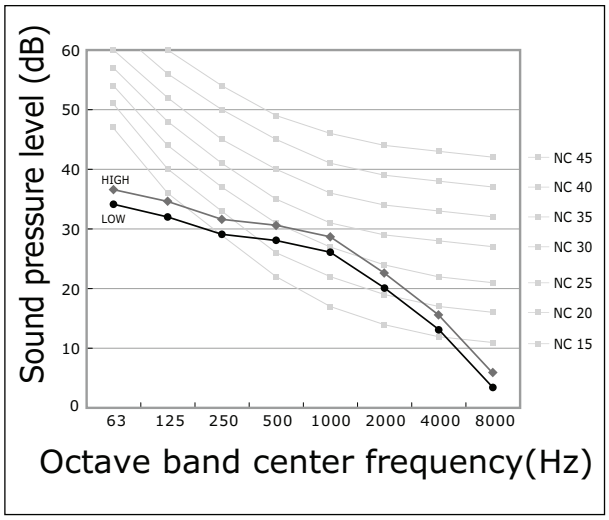
Model	High (dBA)	Low (dBA)
4TVC0009**	34	31
4TVC0012**	34	31
4TVC0018**	34	31
4TVC0024**	36	34
4TVC0030**	39	30
4TVC0036**	40	33
4TVC0048**	44	39

Notes:

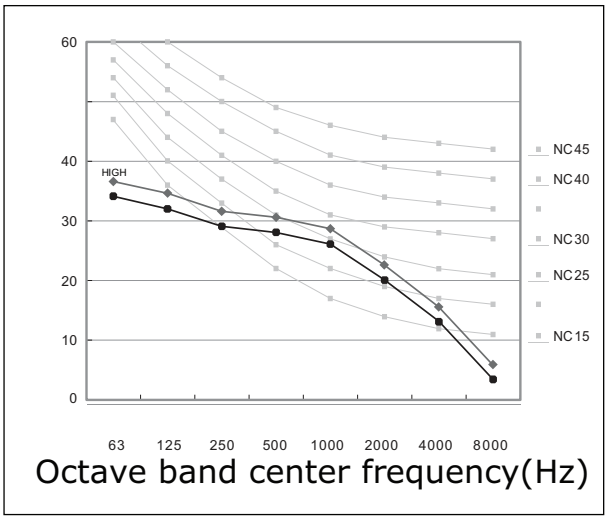
- *These operation values were obtained in an anechoic room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.*
- *Operation sound level may differ depending on operation and ambient conditions.*

NC Curve

4TVC0009**

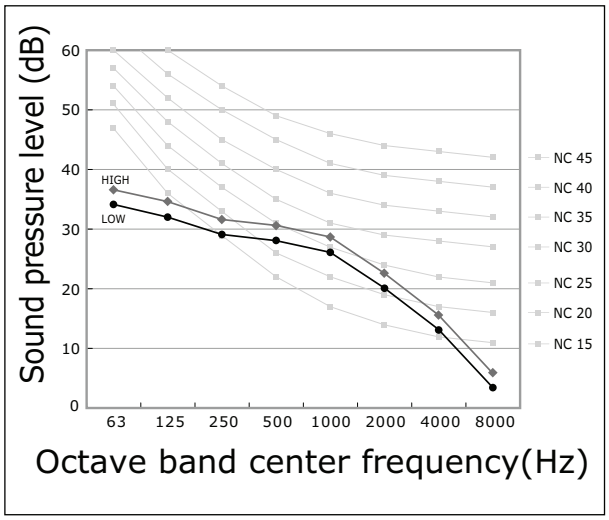


TVC0012**

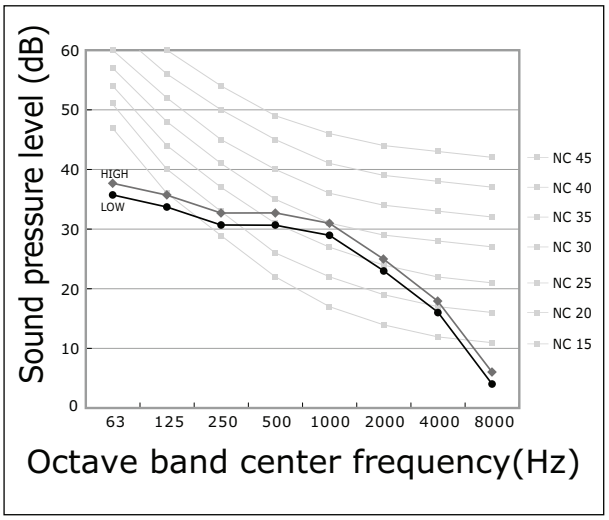


Sound Pressure

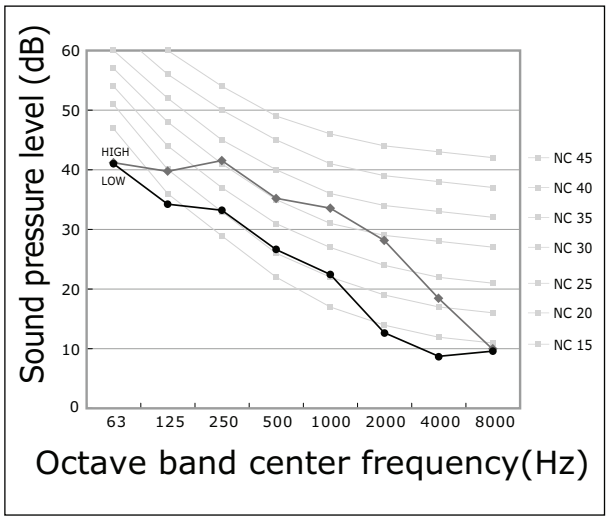
4TVC0018**



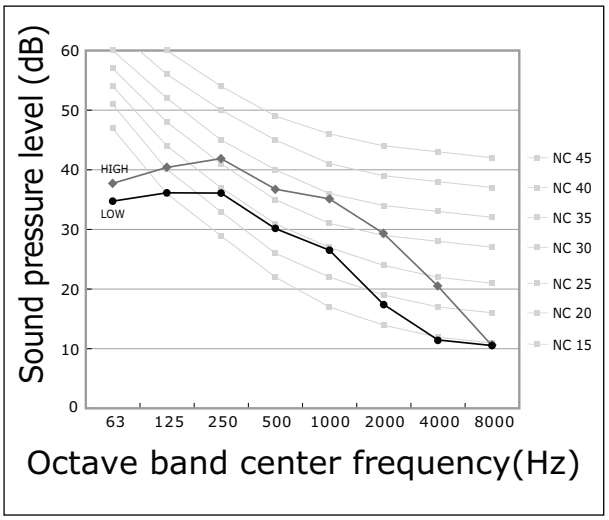
4TVC0024**



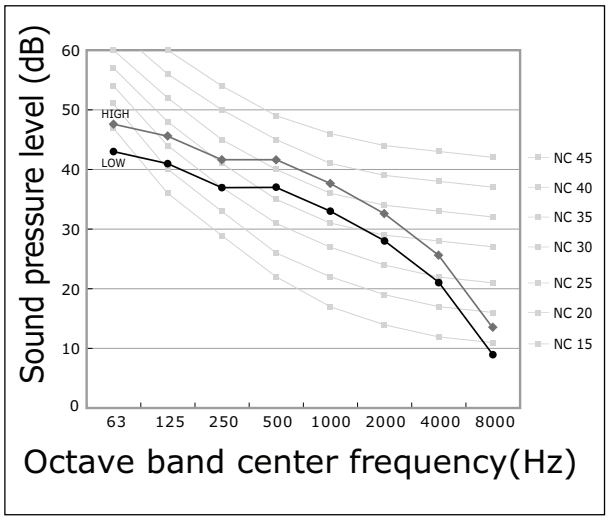
4TVC0030**



4TVC0036**



4TVC0048**


Sound pressure level (dB)
60
50
40
30
20
10
0
HIGH
LOW
63
125
250
500
1000
2000
4000
8000
Octave band center frequency(Hz)
NC 45
NC 40
NC 35
NC 30
NC 25
NC 20
NC 15

Temperature and Air Flow Distribution

4TVC0009**

Figure 1. Cooling air velocity distribution

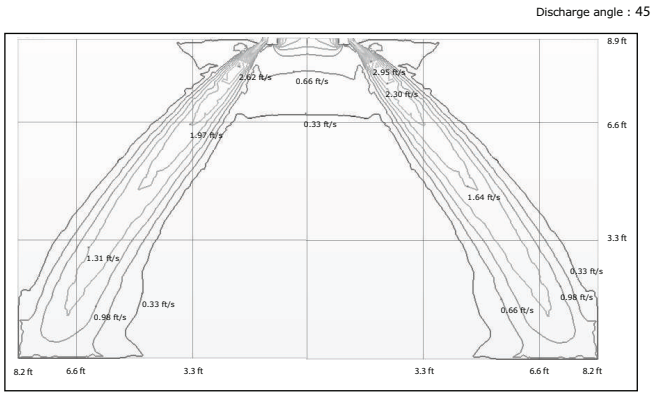


Figure 2. Cooling temperature distribution

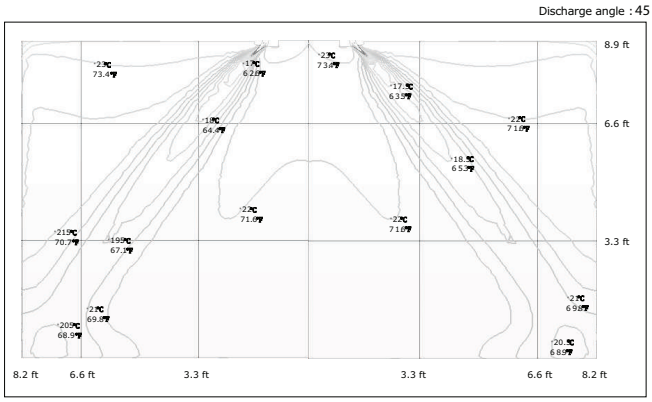


Figure 3. Heating air velocity distribution

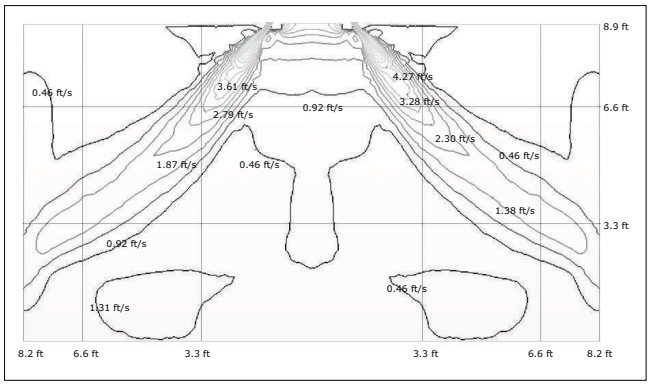
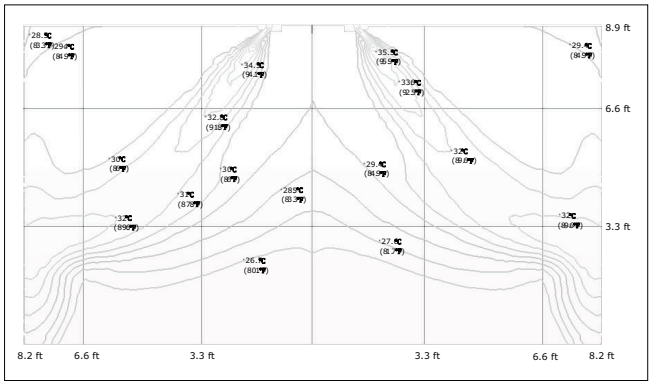


Figure 4. Heating temperature distribution



4TVC0012**

Figure 5. Cooling air velocity distribution

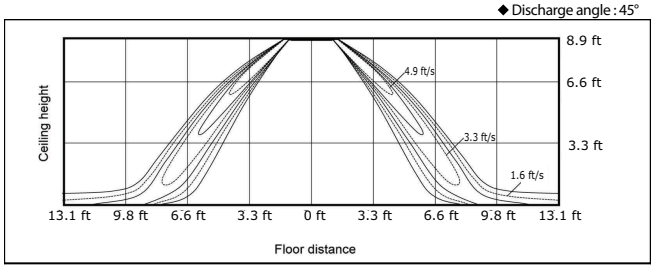


Figure 6. Cooling temperature distribution

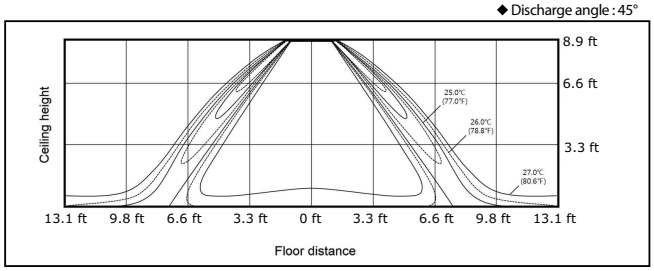


Figure 7. Heating air velocity distribution

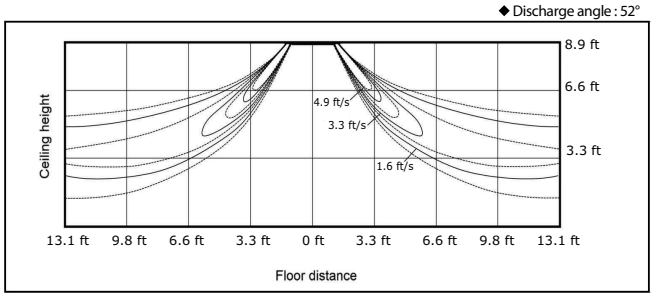
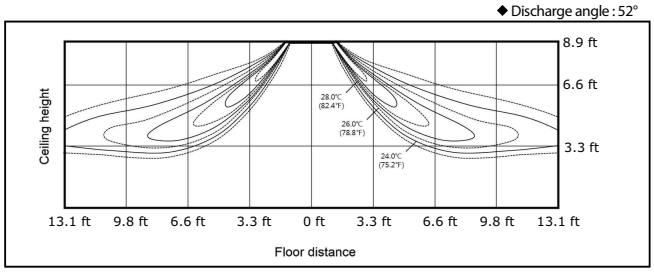


Figure 8. Heating temperature distribution



4TVC0018**

Figure 9. Cooling air velocity distribution

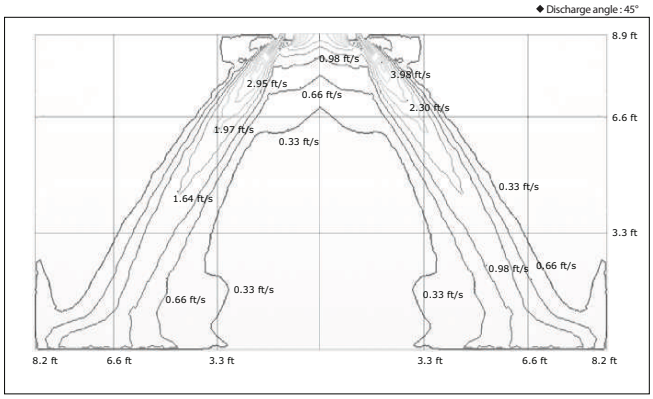


Figure 10. Cooling temperature distribution

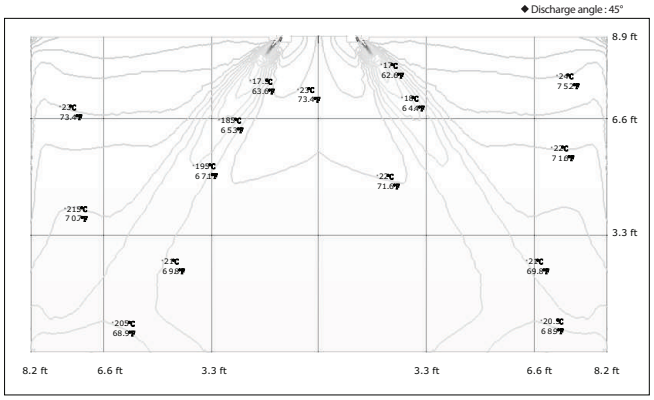


Figure 11. Heating air velocity distribution

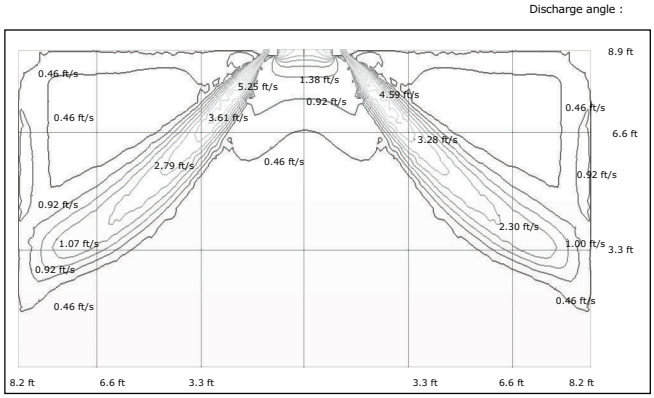
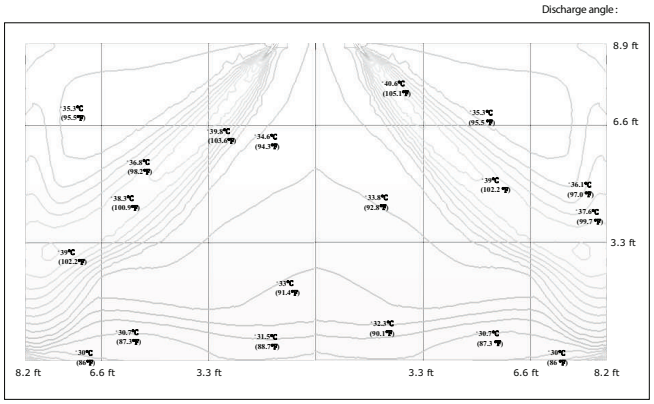


Figure 12. Heating temperature distribution



4TVC0024**

Figure 13. Cooling air velocity distribution

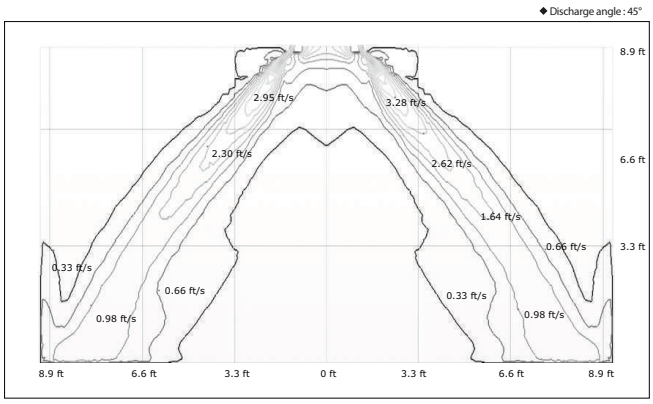


Figure 14. Cooling temperature distribution

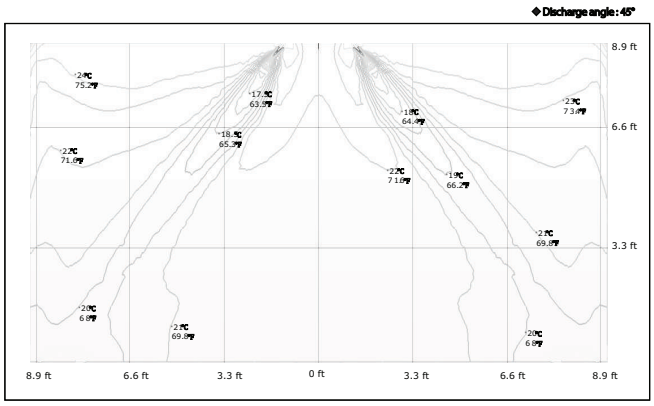


Figure 15. Heating air velocity distribution

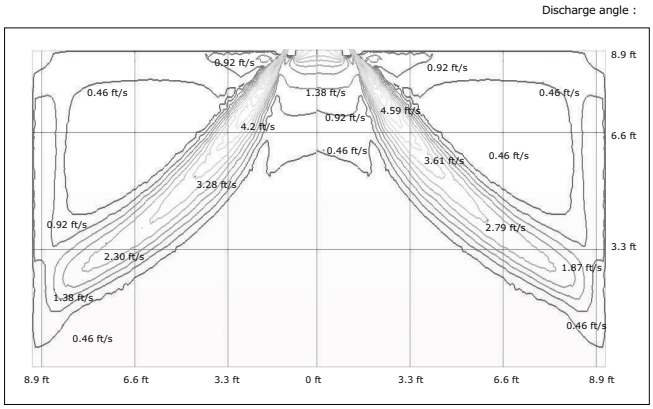
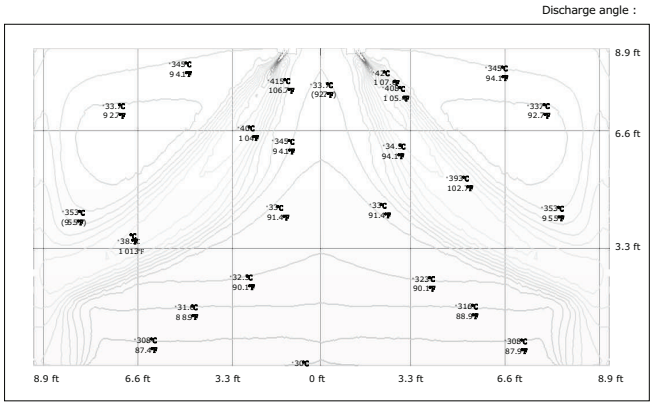


Figure 16. Heating temperature distribution



4TVC0030**

Figure 17. Cooling air velocity distribution

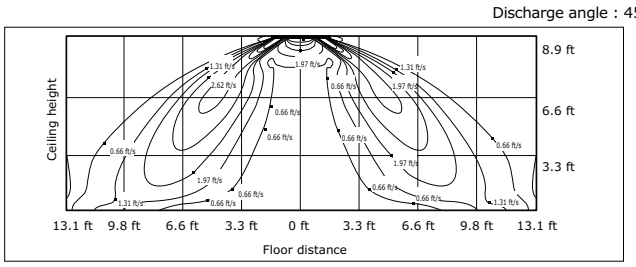


Figure 18. Cooling temperature distribution

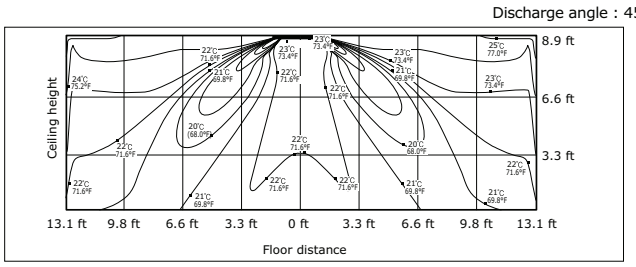


Figure 19. Heating air velocity distribution

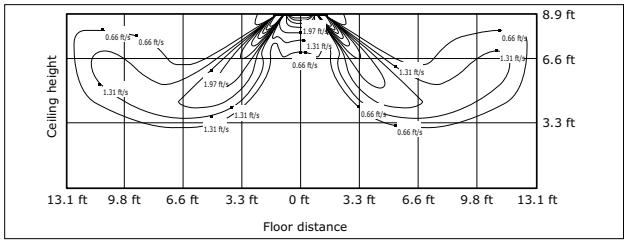
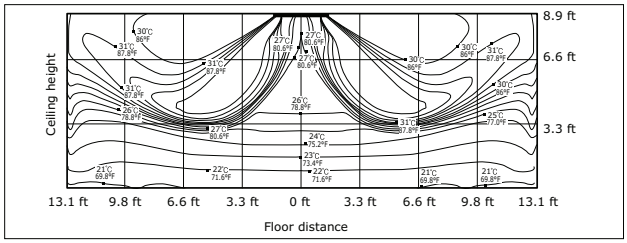


Figure 20. Heating temperature distribution



4TVC0036**

Figure 21. Cooling air velocity distribution

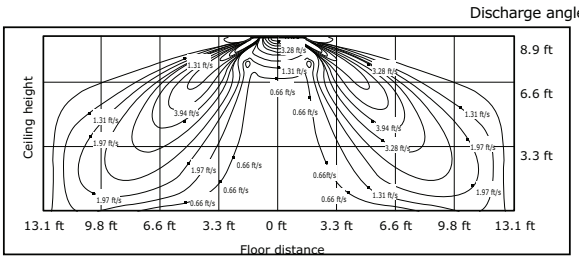


Figure 22. Cooling temperature distribution

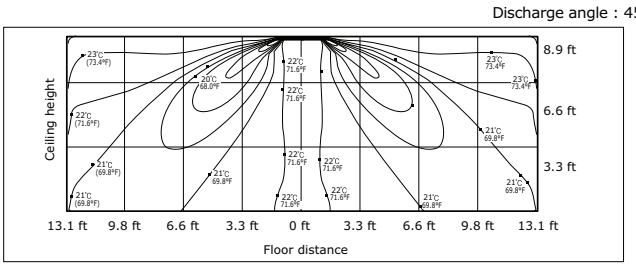


Figure 23. Heating air velocity distribution

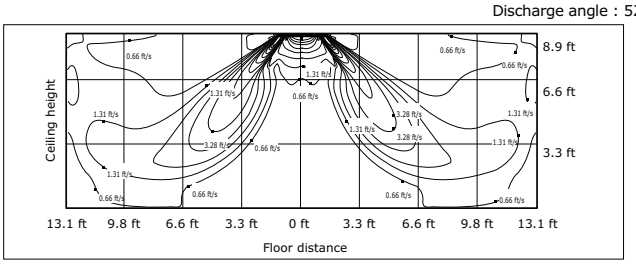
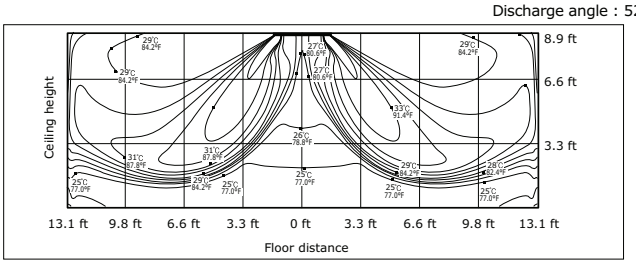


Figure 24. Heating temperature distribution



4TVC0048**

Figure 25. Cooling air velocity distribution

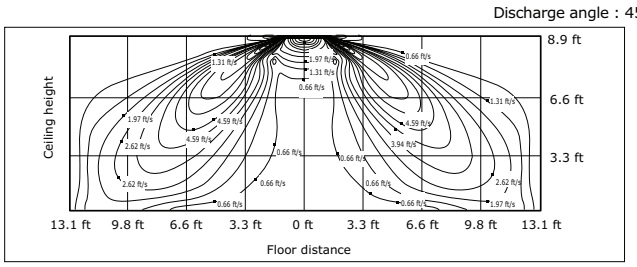


Figure 26. Cooling temperature distribution

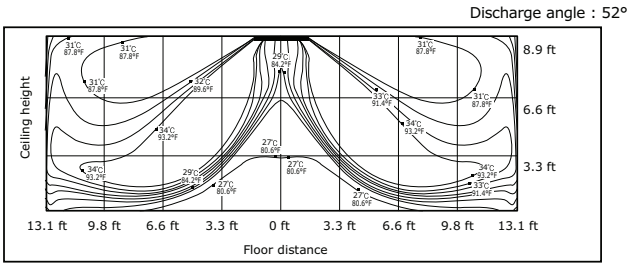


Figure 27. Heating air velocity distribution

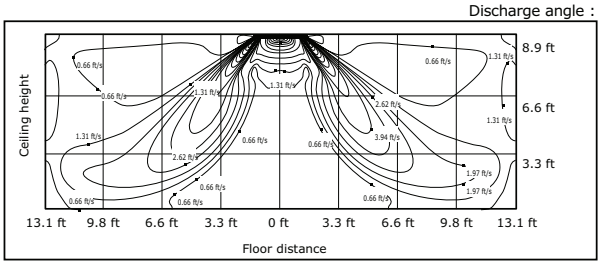
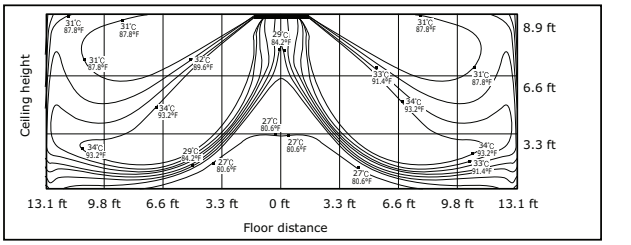


Figure 28. Heating Temperature Distribution



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VRF-PRC036A-EN 29 Sep 2017
Supersedes (New)

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