



# Product Catalog

## Variable Refrigerant Flow (VRF) System Single-Phase (Mini) Air Source Outdoor Unit

4TVH0036B100NB  
4TVH0048B100NB  
4TVH0053B100NB





## Introduction

Trane® variable refrigerant flow (VRF) systems are efficient, effective, reliable heating and cooling solutions that you can trust. The Trane Single-Phase (Mini) VRF system is well suited for residential homes and historic buildings without existing ductwork, as well as small office spaces where three-phase electric power is not available. When VRF is the right solution for your application, Trane will help you ensure that it is the best solution. Trane Single-Phase (Mini) VRF systems are designed for exceptional energy efficiency, offering industry-leading performance up to 18.50 SEER and 9.40 HSPF.

Trane Single-Phase (Mini) VRF systems utilize inverter-driven rotary compressors and are available as heat pump systems only. The systems feature individual zone control to provide individual occupant comfort. Indoor units are available in a wide variety of configurations and capacities, allowing system designers the flexibility to satisfy almost any design requirement.

Trane 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.

## Copyright

This document and the information in it are the property of Trane, and may not be used or reproduced in whole or in part without written permission. Trane reserves the right to revise this publication at any time, and to make changes to its content without obligation to notify any person of such revision or change.

## Trademarks

All trademarks referenced in this document are the trademarks of their respective owners.

## Related Documents

For larger capacity Trane VRF outdoor units, refer to VRF-PRC008\*-EN.

## Revision History

The following changes were made to Revision B of this document:

- Updated the title of the document.
- Updated Nomenclature section.
- Removed Indoor Unit Nomenclature section.
- Updated Application Matrix.
- Updated the Controls table.
- Updated the Accessories table.
- Corrected errors in the Product Specifications table.



# Table of Contents

Product Features.....	4
Model Number Description .....	5
Products .....	6
Application Matrix .....	6
Controls.....	7
Accessories .....	8
Product Specifications .....	9
Operation Limit.....	10
Defrosting Correction Factor .....	10
Capacity Correction by Distance.....	11
Sound Levels .....	13
Sound Pressure Level .....	13
NC Curves.....	13
Sound Power.....	14
NR Curves.....	14
Electrical Wiring Diagram.....	15
Heat Pump .....	15
Refrigerant Cycle Diagram .....	16
Dimensional Drawings .....	17
Capacity Tables .....	18
4TVH0036B100NB .....	18
4TVH0048B100NB .....	32
4TVH0053B100NB .....	46



## Product Features

- Single-phase power is suitable for residential and light commercial applications.
- Designed for use with multiple indoor units with system level and/or individual controls.
- Provides either heating or cooling for year-round climate control to the conditioned space. (Not designed for applications requiring simultaneous heating and cooling operation. See 3-phase heat recovery products for such applications.)
- Space saving footprint; 13-inch depth allows installation in almost any location.
- All major components can be accessed through the front of the unit, simplifying maintenance.
- Based on the outdoor unit, varying types and quantities of indoor units can be connected in order to meet the needs of most residential and light commercial applications.
- Individual zone control meets the comfort requirements of each occupant.
- Compatible with the same building controls as the larger capacity Trane VRF systems.
- Trane Single-Phase (mini) VRF systems are selectable in VRF Select software.
- The Technician Utilities Tool (TUT), a computer software tool, enables the start-up technician and service technician to view system operation parameters.



# Model Number Description

<b>4</b>	<b>T</b>	<b>V</b>	<b>H</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>8</b>	<b>B</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>N</b>	<b>B</b>
1	2	3	4	5	6	7	8	9	10	11	12	13	14

**DIGIT 1 = Refrigerant**

4 = R-410a

**DIGIT 2 = Brand name**

T = Trane

**DIGIT 3 = System type**

V = Variable Refrigerant Flow

**DIGIT 4 = Functional type  
outdoor unit**

H = Heat Pump, DC Inverter (VRF)

**DIGIT 5 = Special application**

0 = Standard

**DIGIT 6, 7, 8 = Nominal capacity (Btu/h x 1,000)**

036 = 36,000 Btu/h

048 = 48,000 Btu/h

053 = 53,000 Btu/h

**DIGIT 9 = Major development sequence**

B = Second 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 = Miscellaneous digit**

0 = Not currently used

**DIGIT 13 = Region of sale**

N = North America (UL or ETL)










**DIGIT 14 = Minor design sequence**

B = Second design sequence






# Products

## Application Matrix

Type		Capacity (MBH)													
		7.5	9.0	9.5	12	15	18	20	24	27	30	36	42	48	60
1-way cassette		X		X	X										
4-way cassette			X		X		X		X		X	X		X	
Mini 4-way cassette				X	X		X	X							
Slim duct		X		X	X		X		X		X	X		X	
MSP duct		X		X	X	X	X		X	X	X	X		X	
HSP duct												X		X	
Convertible ceiling/floor							X		X						
High Wall		X		X	X		X	X	X						
Convertible AHU									X		X	X	X	X	X

## Controls

Family	Description	Model Number
Zone Controllers	Wireless Remote Control <ul style="list-style-type: none"> <li>• Mode: Heat/Cool/Auto/Off</li> <li>• Fan: Auto/High/Med/Low</li> <li>• Service Indicator</li> </ul> 	TVCTRLTRDH00UT
	Simple Touch Remote Control <ul style="list-style-type: none"> <li>• Mode: Heat/Cool/Auto/Off</li> <li>• Fan: Auto/High/med/Low</li> <li>• Service indicator</li> </ul> 	TVCTRLTWR0002T
	Wired Remote Control <ul style="list-style-type: none"> <li>• Mode: Heat/Cool/Auto/Off</li> <li>• Fan: Auto/High/Med/Low</li> <li>• Programmable</li> <li>• Service Indicator</li> </ul> 	TVCTRLTWRWD01T
	Duct Signal Receiver	TVCTRLTRKA10N0
Centralized Control Systems	VRF Central On/Off Control	TVCTRLTCMA202D
	VRF Touch Screen Control	TVCTRLTCMA300T
	Mode Select Switch	TCVTRLTCMC2000
Integrated System Management	VRF System Controller	TVCTRLTIMD00A0
	VRF Enterprise Management Software	TVCTRLTSTP3P00
	VRF Power Meter Interface (PIM)	TVCTRLTIMB16A0
Building Management System Gateways	VRF System Controller+BACnet® <b>Note:</b> This controller enables BACnet integration.	TVCTRLTIMB17A0
Interface Modules	VRF External Contact Interface Module/Auxiliary Heat Module	TVCTRLTIMB14A0
	VRF Multi-function Control (MFC)	TVCTRLTC210N00
	VRF MFC Enclosure	TVCTRLTC210BOX
Sensors	VRF External Room Temperature Sensor	TVCTRLTRWTA000
	VRF Motion Sensor Mini 4-Way	MOTIONSEN4TVB
Commissioning Utility Kits	VRF Technician Utilities Tool (TUT)	TVCTRLTIMC0300



## Products

### Accessories

Family	Description	Model Number
Indoor Y-joints	51 MBH and below	4YDK1509B0051A
	52-136 MBH	4YDK2512B0138A
Distribution headers	154 MBH and below (max. number of connections: 4)	4HJK2512B0159A
	240 MBH and below (max. number of connections: 8)	4HJK3115B0241A
AHU Kits	24-30 MBH	4EEVAKA40K1025
	48-60 MBH	4EEVAKA40K1050
	4TVM0024-0060 Controller	4TVCTRLAHU0001
Ball Valves	1/2 inch Ball Valve Flare	BVALVE12FLARE1
	1/4 inch Ball Valve Flare	BVALVE14FLARE1
	3/8 inch Ball Valve Flare	BVALVE38FLARE1
	5/8 inch Ball Valve Flare	BVALVE58FLARE1
	3/4 inch Ball Valve Sweat	BAVALVE34SWEAT1
	7/8 inch Ball Valve Sweat	BAVALVE78SWEAT1
Hail Guards	4TVH0036/48/53	TVRGARD003A
Wind Baffles	4TVH0036/48/53	CSERWINDBFL36AA



# Product Specifications

**Table 1. Product Specifications**

Model Name			4TVH0036B100NB		4TVH0048B100NB		4TVH0053B100NB		
Power supply			208-230/60/1		208-230/60/1		208-230/60/1		
Performance	Nominal tons		3.0		4.0		4.5		
	System type		Ducted	Non-Ducted	Ducted	Non-Ducted	Ducted	Non-Ducted	
	Capacity (rated) <sup>1, 2</sup>	Cooling	Btu/h	38,000	38,000	48,000	48,000	53,000	53,000
		High Temp Heating	Btu/h	42,000	42,000	54,000	54,000	61,000	61,000
		Low Temp Heating	Btu/h	26,600	26,000	35,000	33,000	38,000	38,000
	AHRI 210/240 Efficiency ratings <sup>2</sup>	EER	—	11.2	11.2	10.2	10.2	9.5	10.3
		SEER	—	16.0	14.8	16.0	15.8	15.5	18.5
HSPF		—	8.60	8.80	9.40	8.70	8.60	8.80	
Power	MCA		A	23.0	29.0	34.0			
	MOP		A	40.0	50.0	50.0			
Compressor	Type (quantity)		—	Twin BLDC Rotary (1)	Twin BLDC Rotary (1)	Twin BLDC Rotary (1)			
	Model name		—	UG5T450FUEJXSG	UG5T450FUEJXSG	UG5T450FUEJXSG			
	Output		kW	4.12	4.12	4.12			
	Oil	Type	—	PVE	PVE	PVE			
Initial charge		fl. oz.	57.4	57.4	57.4				
Fan	Type (quantity)		—	Propeller/BLDC (2)	Propeller/BLDC (2)	Propeller/BLDC (2)			
	Output (each)		W	125	125	125			
	Airflow rate		CFM	3,885	3,885	3,885			
Piping Connections	Liquid pipe		Ø inch	3/8 in. Braze	3/8 in. Braze	3/8 in. Braze			
	Gas pipe		Ø inch	5/8 in. Braze	5/8 in. Braze	3/4 in. Braze			
	Installation limits	Maximum length <sup>3</sup>	ft.	492 (574)	492 (574)	492 (574)			
		Maximum height <sup>4</sup>	ft.	164 (131)	164 (131)	164 (131)			
Indoor unit connections	Number Of connectable indoor units		—	6	8	9			
	Total capacity		—	50 to 130% of total outdoor unit capacity					
Refrigerant	Type		—	R-410A	R-410A	R-410A			
	Factory charge		lbs.	7.1	7.1	7.3			
Sound <sup>5</sup>	Sound pressure		dB(A)	50.0	51.0	53.0			
External dimensions	Net weight		lbs.	220.5	220.5	227			
	Shipping weight		lbs.	231.5	231.5	238			
	Net dimensions (WxHxD)		inches	37 x 47.64 x 13	37 x 47.64 x 13	37 x 47.64 x 13			
	Shipping dimensions (WxHxD)		inches	39.17 x 53.86 x 16.77	39.17 x 53.86 x 16.77	39.17 x 53.86 x 16.77			



## Product Specifications

**Table 1. Product Specifications (continued)**

Model Name			4TVH0036B100NB	4TVH0048B100NB	4TVH0053B100NB
Operating temperature range	Cooling	°F	23 to 118	23 to 118	23 to 118
	Heating	°F	-4 to 78	-4 to 78	-4 to 78

**Notes:**

- Nominal capacity based on 25 ft. of equivalent refrigerant piping with 0 ft. level difference.
  - 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
- Rated per AHRI Unitary Small HP Standard 210/240.
- Actual length (equivalent length in parenthesis)
- If outdoor is installed above the indoor units, the allowable height difference to the furthest indoor unit is 164 ft (50 m). If the outdoor unit is installed below the indoor units, the allowable height difference is 131 ft (40 m).
- Sound pressure was acquired in a dead room. Actual noise level may be different depending on installation conditions.

## Operation Limit

**Table 2. Operation Limit**

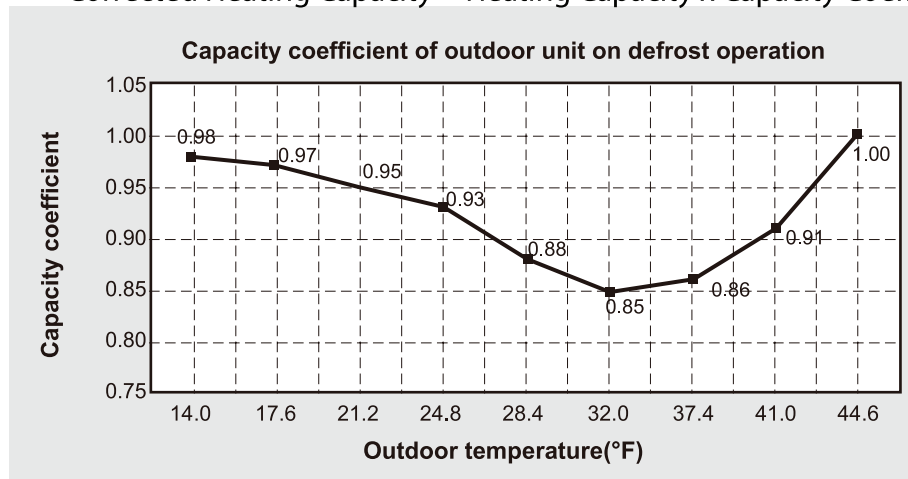
Mode	Outdoor Temperature	Indoor Temperature	Indoor Humidity (RH)
Cooling	23°F to 118°F (DB)	57°F to 82°F (WB)	80% or less
Heating	-4°F to 78°F (WB)	81°F or less (DB)	

## Defrosting Correction Factor

On heating operation, frost can be formed on heat exchanger according to outdoor temperature. (Frost on heat exchanger results in decreasing the performance.) To remove frost on heat exchanger of outdoor unit, defrost operation is carried out periodically. During defrost operation, capacity of outdoor unit may decrease. Capacity decreases, if applicable, are not considered in the individual capacity tables.

Outdoor temperature (°F, WB)	14.0	17.6	21.2	24.8	28.4	32.0	37.4	41.0	44.6
Capacity coefficient	0.98	0.97	0.95	0.93	0.88	0.85	0.86	0.91	1.00

$$\text{Corrected Heating Capacity} = \text{Heating Capacity} \times \text{Capacity Coefficient}$$



## Capacity Correction by Distance

**Table 3. Capacity Correction by Distance (Cooling)**

Level difference (ft)	Pipe Length (ft)																	
	25	33	66	98	131	164	197	230	262	295	328	361	394	427	459	492	525	558
164	-	-	-	-	-	0.93	0.91	0.89	0.88	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76
131	-	-	-	-	0.95	0.93	0.91	0.89	0.88	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76
98	-	-	-	0.96	0.95	0.93	0.91	0.89	0.88	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76
66	-	-	0.98	0.96	0.95	0.93	0.91	0.89	0.88	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76
33	-	1.00	0.98	0.96	0.95	0.93	0.91	0.89	0.88	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76
0	1.00	1.00	0.98	0.96	0.95	0.93	0.91	0.89	0.88	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76
-33	-	1.00	0.98	0.96	0.94	0.93	0.91	0.89	0.88	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76
-66	-	-	0.98	0.96	0.94	0.92	0.91	0.89	0.87	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76
-98	-	-	-	0.96	0.94	0.92	0.90	0.88	0.87	0.92	0.90	0.88	0.86	0.84	0.82	0.80	0.78	0.76
-131	-	-	-	-	0.94	0.92	0.90	0.88	0.87	0.91	0.89	0.87	0.85	0.83	0.81	0.79	0.77	0.75

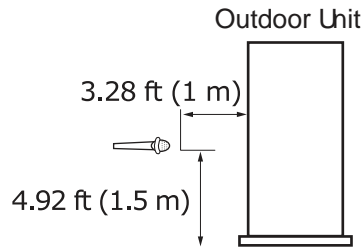
**Table 4. Capacity Correction by Distance (Heating)**

Level difference (ft)	Pipe Length (ft)																		
	25	33	66	98	131	164	197	230	262	295	328	361	394	427	459	492	525	558	
164	-	-	-	-	-	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
131	-	-	-	-	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
98	-	-	-	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
66	-	-	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
33	-	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	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	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
-33	-	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
-66	-	-	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
-98	-	-	-	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
-131	-	-	-	-	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00



# Sound Levels

## Sound Pressure Level



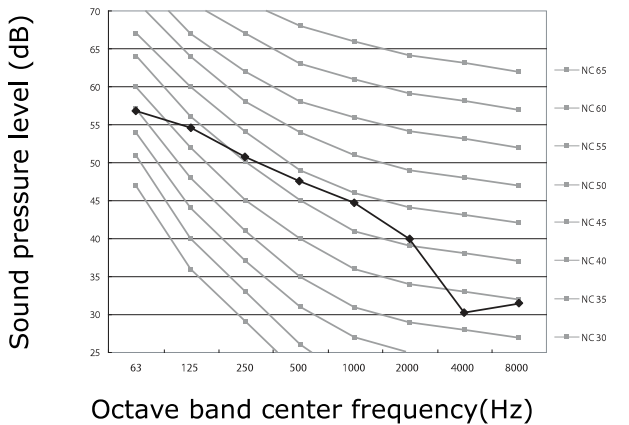
Model	Pressure dB (A)
4TVH0036B100NB	50
4TVH0048B100NB	51
4TVH0053B100NB	53

**Notes:**

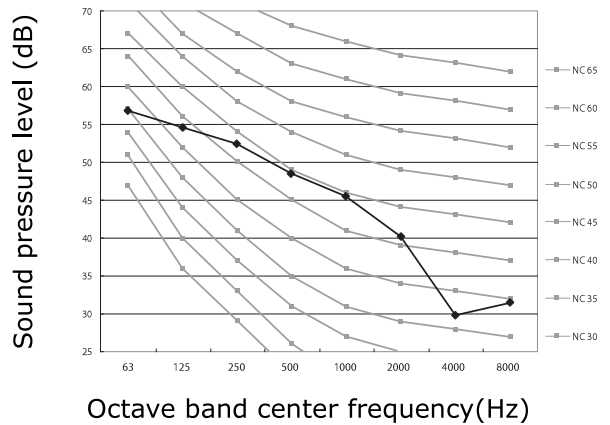
- Measuring place: Anechoic chamber (conversion value).
- These operation sound values were obtained in a dead room. Sound pressure level will vary depending on a range of factors such as the construction of the particular room where the equipment is installed.
- Operation sound level may differ depending on operation and ambient conditions.

## NC Curves

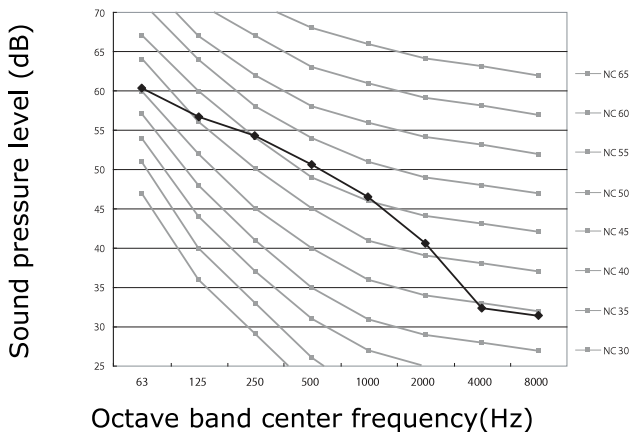
**4TVH0036B100NB**



**4TVH0048B100NB**



**4TVH0053B100NB**





# Sound Power

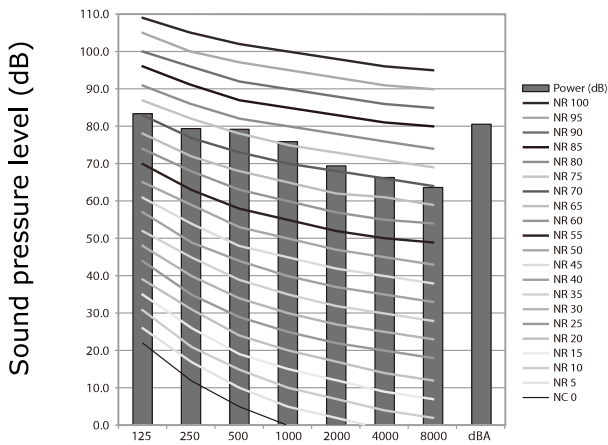
**Notes:**

- dBA = A-weighted sound power level.
- Reference power: 1 pW
- Measured according to ISO 3741.

Model	Power dB(A)
4TVH0036B100NB	66
4TVH0048B100NB	68
4TVH0053B100NB	69

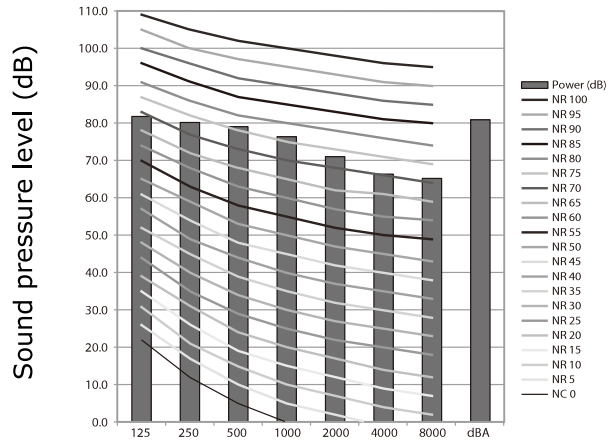
## NR Curves

**4TVH0036B100NB**



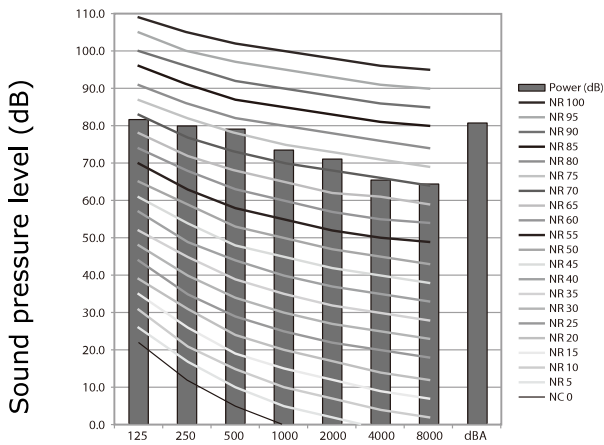
Octave band center frequency(Hz)

**4TVH0048B100NB**



Octave band center frequency(Hz)

**4TVH0053B100NB**



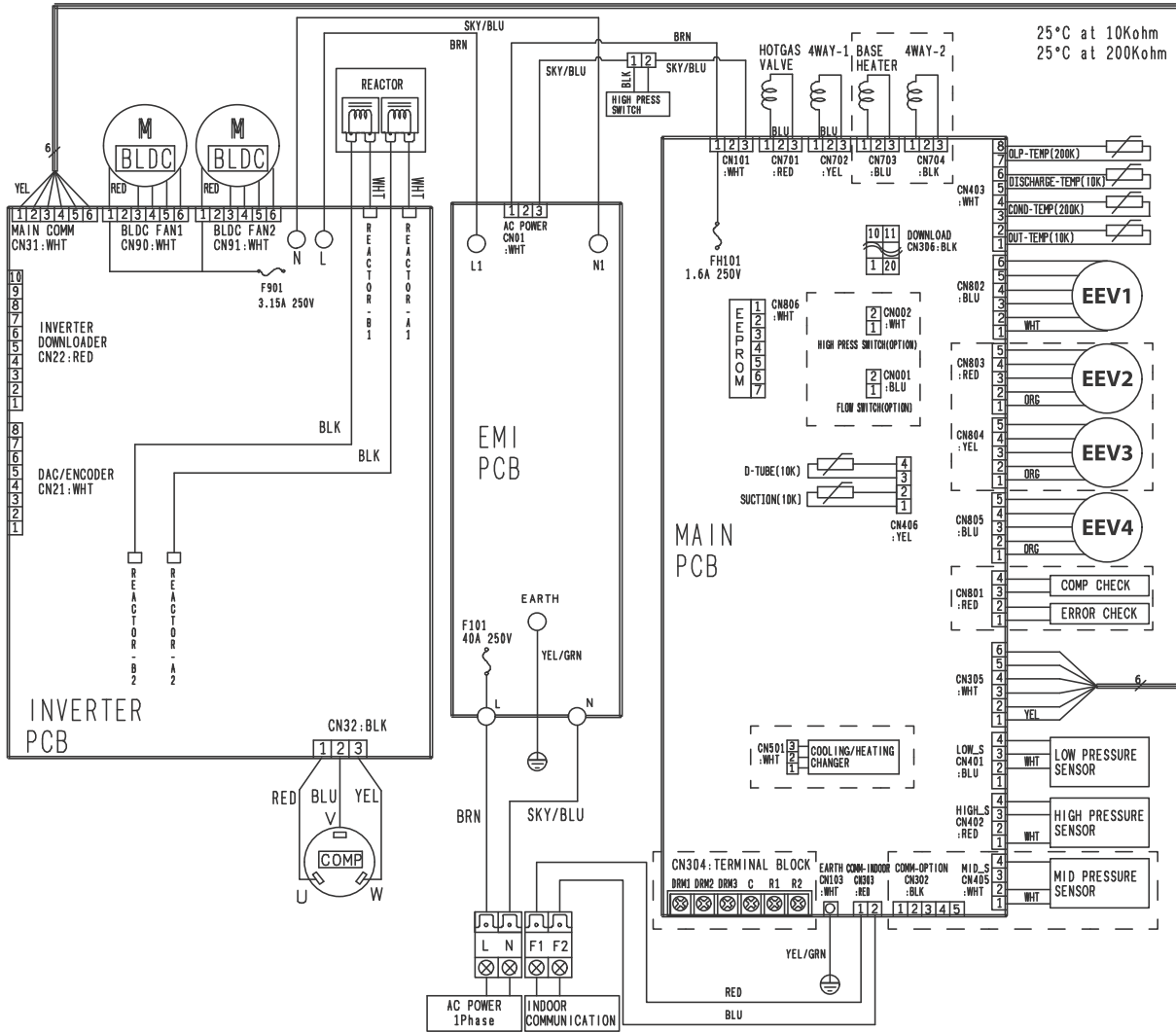
Octave band center frequency(Hz)



# Electrical Wiring Diagram

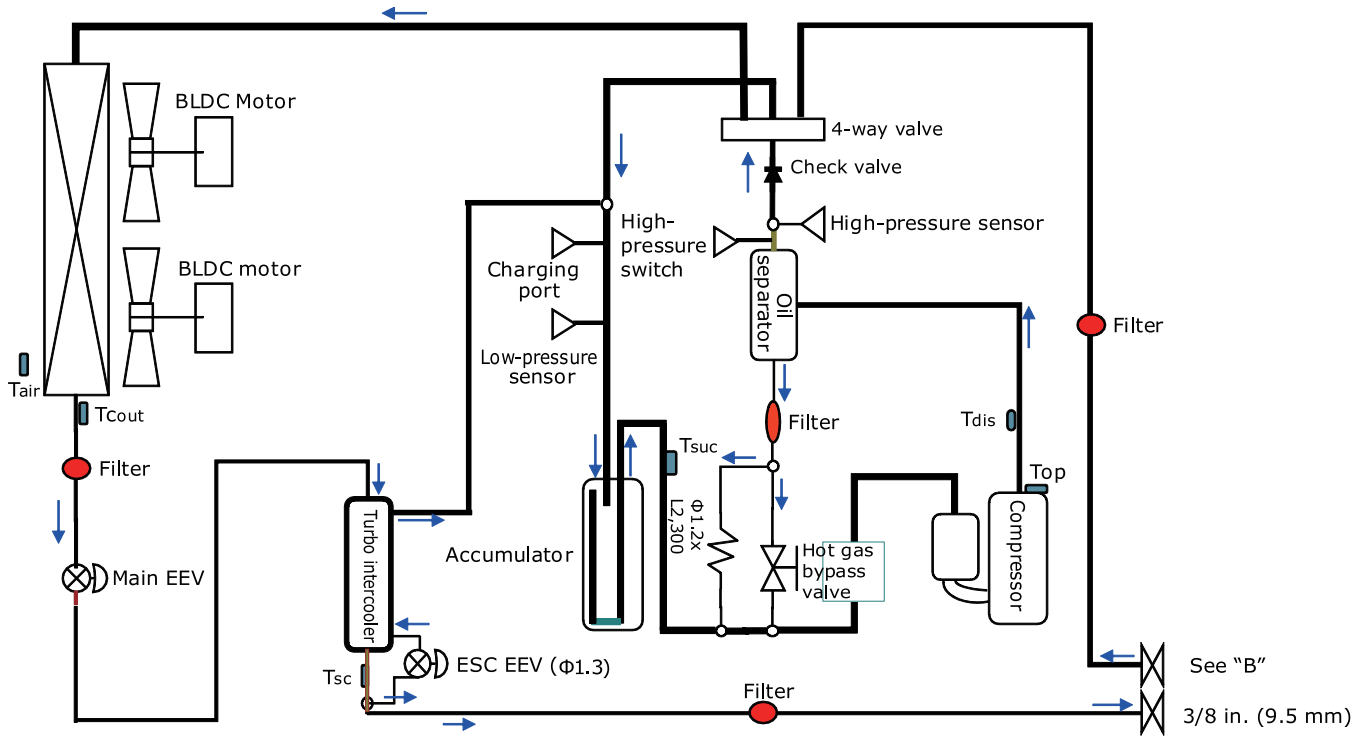
## Heat Pump

4TVH0036B100NB, 4TVH0048B100NB, 4TVH0053B100NB



# Refrigerant Cycle Diagram

4TVH0036B100NB, 4TVH0048B100NB, 4TVH0053B100NB



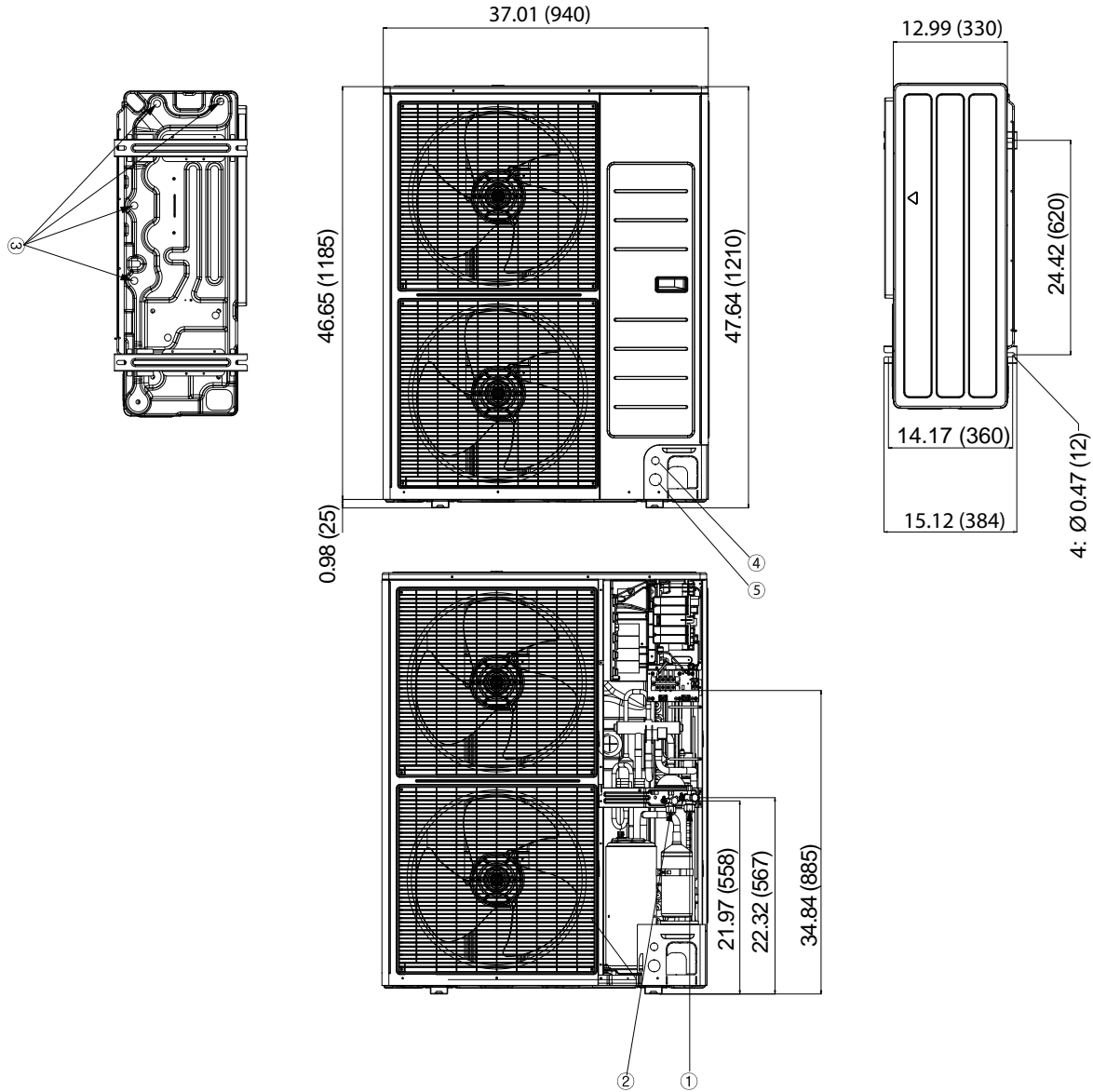
Name	Description
	Cooling flow
B	Vapor line diameter: Models 4TVH0036B100NB/48B100NB = 5/8 in. (16 mm) Models 4TVH0053B100NB = 3/4 in. (19 mm)
Compressor	Inverter-driven rotary compressor
T <sub>dis</sub>	Discharge line temperature sensor
Oil separator	Active oil-separation device
High-pressure switch	Discharge pressure switch
High-pressure sensor	Discharge pressure transducer
Check valve	Discharge line check valve
4-way valve	4-way reversing valve
BLDC motor	Condenser fan motor #1
BLDC motor	Condenser fan motor #2
Condenser	Outdoor refrigeration coil

Name	Description
T <sub>air</sub>	Outside air temperature sensor
T <sub>Cout</sub>	Condenser refrigeration line temperature sensor
Filter	Refrigeration screens (quantity of 4)
Main EEV	Outdoor coil electronic expansion valve
Turbo intercooler	Double-pipe turbo intercooler (subcooling)
ESC EEV	Extra sub-cooling electronic expansion valve
T <sub>sc</sub>	Subcooling temperature sensor
Charging port	Service port in the common suction line
Low-pressure sensor	Suction pressure transducer
Accumulator	Suction line accumulator
T <sub>suc</sub>	Suction line temperature sensor
Hot gas bypass valve	Hot gas bypass valve

# Dimensional Drawings

4TVH0036B100NB, 4TVH0048B100NB, 4TVH0053B100NB

Unit : inch (mm)



No.	Name	Description
1	Gas refrigerant pipe	3, 4 ton: 5/8 (15.88 mm) 5 ton: 3/4 in. (19.05 mm)
2	Liquid refrigerant pipe	3/8 in. (9.52 mm)
3	Condensate drain holes	0.79 in. (20 mm)
4	Communication cable holes	0.87 in. (22.2 mm) x 3
5	Power cable holes	1.36 in. (34.5 mm) x 3



# Capacity Tables

## 4TVH0036B100NB

Table 5. 4TVH0036B100NB (Cooling)

Com- bina- tion (%)	Outdoor Temper- ature (°F)	Indoor Temperature (°F, WB)													
		57		61		64		67		69		72		75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
130	50	33.9	1.42	40.2	1.74	46.8	2.06	50.1	2.22	52.6	2.34	54.0	2.24	55.1	2.13
	54	33.8	1.44	40.2	1.76	46.8	2.11	50.1	2.27	52.0	2.33	53.1	2.22	54.5	2.18
	57	33.8	1.47	40.1	1.80	46.7	2.14	50.1	2.31	51.1	2.31	52.5	2.29	53.6	2.31
	61	33.8	1.50	40.1	1.84	46.7	2.18	50.0	2.38	50.5	2.39	51.7	2.41	53.0	2.43
	64	33.8	1.52	40.1	1.87	46.7	2.33	49.1	2.50	49.7	2.51	51.0	2.54	52.1	2.55
	68	33.7	1.56	40.0	2.00	46.6	2.50	48.5	2.63	49.1	2.64	50.2	2.65	51.5	2.69
	70	33.7	1.60	40.0	2.06	46.6	2.59	47.9	2.69	48.7	2.70	49.8	2.72	51.2	2.75
	73	33.7	1.71	40.0	2.21	46.5	2.78	47.3	2.81	47.9	2.82	49.2	2.85	50.4	2.87
	77	33.6	1.84	39.9	2.37	45.9	2.91	46.7	2.93	47.3	2.95	48.4	2.97	49.8	3.00
	81	33.6	1.96	39.9	2.54	45.3	3.04	45.9	3.05	46.4	3.07	47.8	3.10	48.9	3.13
	84	33.5	2.09	39.8	2.70	44.5	3.16	45.3	3.18	45.8	3.20	46.9	3.23	48.3	3.25
	88	33.5	2.22	39.8	2.90	43.9	3.29	44.4	3.30	45.0	3.32	46.3	3.34	47.4	3.39
	91	33.5	2.38	39.7	3.09	43.0	3.41	43.8	3.43	44.4	3.45	45.5	3.48	46.8	3.51
	95	33.4	2.53	39.6	3.29	42.3	3.54	42.9	3.55	43.4	3.57	44.8	3.61	45.9	3.65
	99	32.4	2.70	38.4	3.51	40.3	3.66	41.1	3.68	41.6	3.70	42.6	3.74	44.0	3.77
	102	31.7	2.86	37.6	3.74	39.0	3.79	39.5	3.80	40.0	3.82	41.3	3.87	42.3	3.90
108	31.7	3.04	37.6	3.98	38.4	3.92	38.7	3.93	39.2	3.95	40.7	3.99	41.5	4.04	
111	31.7	3.21	37.6	4.20	37.9	4.04	37.9	4.04	38.4	4.09	40.2	4.13	40.7	4.16	
115	31.7	3.39	37.6	4.44	37.4	4.18	37.1	4.17	37.6	4.21	39.7	4.25	40.0	4.29	

**Table 5. 4TVH0036B100NB (Cooling) (continued)**

Com- bina- tion (%)	Outdoor Temper- ature (°F)	Indoor Temperature (°F, WB)													
		57		61		64		67		69		72		75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
120	50	31.1	1.30	37.2	1.58	43.3	1.88	46.3	2.03	49.3	2.18	53.2	2.31	54.3	2.22
	54	31.1	1.31	37.2	1.61	43.2	1.91	46.3	2.06	49.3	2.22	52.3	2.30	53.4	2.20
	57	31.1	1.34	37.1	1.64	43.2	1.95	46.2	2.11	49.2	2.27	51.7	2.28	52.8	2.30
	61	31.1	1.36	37.1	1.67	43.1	1.99	46.1	2.16	49.2	2.33	50.8	2.40	51.9	2.42
	64	31.0	1.40	37.1	1.71	43.1	2.06	46.1	2.27	49.1	2.50	50.2	2.52	51.3	2.54
	68	31.0	1.42	37.0	1.77	43.0	2.21	46.1	2.45	48.3	2.62	49.3	2.65	50.4	2.66
	70	30.9	1.43	37.0	1.84	43.0	2.29	46.0	2.54	47.9	2.69	49.0	2.70	50.1	2.73
	73	30.9	1.53	36.9	1.96	43.0	2.45	46.0	2.72	47.1	2.81	48.4	2.83	49.5	2.86
	77	30.9	1.63	36.9	2.11	42.9	2.64	45.9	2.91	46.5	2.93	47.6	2.95	48.6	2.98
	81	30.9	1.75	36.9	2.26	42.9	2.81	45.1	3.04	45.6	3.05	47.0	3.07	48.1	3.10
	84	30.8	1.86	36.8	2.41	42.8	3.01	44.5	3.16	45.0	3.18	46.1	3.20	47.2	3.23
	88	30.8	1.99	36.8	2.56	42.8	3.22	43.6	3.29	44.1	3.29	45.5	3.33	46.6	3.35
	91	30.8	2.11	36.8	2.74	42.5	3.39	43.0	3.40	43.6	3.42	44.7	3.45	45.7	3.49
	95	30.7	2.26	36.6	2.91	41.5	3.51	42.1	3.53	42.9	3.55	44.0	3.58	45.1	3.61
	99	29.7	2.40	35.6	3.11	39.8	3.64	40.3	3.66	40.8	3.67	41.9	3.71	42.9	3.74
	102	29.2	2.55	34.8	3.31	38.2	3.77	39.0	3.78	39.5	3.80	40.5	3.84	41.5	3.88
108	29.2	2.70	34.8	3.51	37.4	3.89	38.4	3.90	39.0	3.93	40.0	3.97	41.0	4.00	
111	29.2	2.86	34.8	3.71	36.6	4.03	37.9	4.03	38.4	4.06	39.5	4.09	40.5	4.14	
115	29.2	3.00	34.8	3.92	35.9	4.15	37.4	4.14	37.9	4.19	39.0	4.23	40.0	4.26	



# Capacity Tables

**Table 5. 4TVH0036B100NB (Cooling) (continued)**

Com- bina- tion (%)	Outdoor Temper- ature (°F)	Indoor Temperature (°F, WB)													
		57		61		64		67		69		72		75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
110	50	28.7	1.17	34.2	1.43	39.7	1.70	42.4	1.84	45.2	1.97	50.7	2.26	53.2	2.30
	54	28.6	1.20	34.1	1.46	39.6	1.73	42.4	1.87	45.1	2.01	50.6	2.30	52.6	2.28
	57	28.6	1.21	34.1	1.48	39.6	1.76	42.3	1.91	45.1	2.06	50.6	2.34	51.7	2.28
	61	28.6	1.24	34.1	1.52	39.5	1.80	42.3	1.95	45.1	2.09	50.0	2.38	51.1	2.41
	64	28.5	1.26	34.0	1.54	39.5	1.84	42.3	2.00	45.0	2.20	49.4	2.50	50.2	2.53
	68	28.5	1.29	34.0	1.58	39.5	1.95	42.2	2.15	44.9	2.36	48.5	2.63	49.6	2.65
	70	28.5	1.31	34.0	1.62	39.4	2.00	42.2	2.22	44.9	2.45	48.2	2.69	49.3	2.70
	73	28.4	1.36	33.9	1.74	39.4	2.16	42.1	2.38	44.9	2.63	47.3	2.81	48.4	2.83
	77	28.4	1.46	33.9	1.86	39.4	2.31	42.1	2.55	44.8	2.81	46.7	2.93	47.8	2.96
	81	28.4	1.55	33.8	1.98	39.3	2.47	42.0	2.74	44.8	3.01	45.9	3.06	47.0	3.08
	84	28.4	1.66	33.8	2.11	39.3	2.65	42.0	2.92	44.2	3.15	45.3	3.18	46.4	3.20
	88	28.3	1.76	33.8	2.26	39.2	2.81	42.0	3.13	43.6	3.28	44.4	3.30	45.5	3.34
	91	28.3	1.87	33.8	2.41	39.2	3.01	41.9	3.34	42.8	3.39	43.8	3.43	44.9	3.45
	95	28.2	2.00	33.7	2.56	39.1	3.21	41.5	3.51	42.1	3.53	42.9	3.55	44.0	3.59
	99	27.4	2.11	32.7	2.73	37.9	3.42	39.5	3.64	40.0	3.65	41.1	3.68	42.1	3.71
	102	26.8	2.26	32.0	2.91	37.1	3.65	38.2	3.76	38.7	3.77	39.7	3.81	40.5	3.84
108	26.8	2.39	32.0	3.09	37.1	3.87	37.6	3.88	38.2	3.89	39.2	3.94	39.7	3.96	
111	26.8	2.53	32.0	3.27	37.1	4.09	37.1	4.00	37.6	4.02	38.7	4.07	39.0	4.09	
115	26.8	2.66	32.0	3.45	37.1	4.31	36.6	4.13	37.1	4.14	38.2	4.20	38.2	4.20	

**Table 5. 4TVH0036B100NB (Cooling) (continued)**

Com- bina- tion (%)	Outdoor Temper- ature (°F)	Indoor Temperature (°F, WB)													
		57		61		64		67		69		72		75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
100	50	26.0	1.06	31.1	1.28	36.1	1.52	38.6	1.64	41.0	1.77	46.0	2.02	51.2	2.27
	54	26.0	1.08	31.1	1.31	36.0	1.55	38.5	1.68	41.0	1.80	46.0	2.06	51.2	2.32
	57	26.0	1.10	31.1	1.33	36.0	1.58	38.5	1.71	41.0	1.84	45.9	2.10	50.9	2.35
	61	25.9	1.11	31.1	1.36	36.0	1.61	38.5	1.74	40.9	1.87	45.9	2.14	50.0	2.38
	64	25.9	1.14	31.0	1.38	35.9	1.64	38.4	1.78	40.9	1.91	45.8	2.26	49.4	2.50
	68	25.9	1.16	31.0	1.42	35.9	1.69	38.4	1.86	40.9	2.05	45.8	2.43	48.5	2.63
	70	25.9	1.17	30.9	1.42	35.9	1.75	38.4	1.93	40.8	2.11	45.7	2.52	48.2	2.70
	73	25.9	1.20	30.9	1.52	35.8	1.88	38.3	2.06	40.8	2.27	45.7	2.70	47.6	2.81
	77	25.8	1.28	30.9	1.63	35.8	2.00	38.3	2.22	40.7	2.43	45.7	2.90	46.7	2.94
	81	25.8	1.36	30.9	1.74	35.8	2.15	38.2	2.37	40.7	2.60	45.1	3.04	46.1	3.06
	84	25.8	1.46	30.8	1.85	35.7	2.29	38.2	2.54	40.6	2.78	44.5	3.16	45.3	3.18
	88	25.8	1.55	30.8	1.97	35.7	2.45	38.2	2.70	40.6	2.97	43.6	3.29	44.7	3.30
	91	25.7	1.65	30.8	2.10	35.7	2.60	38.1	2.88	40.6	3.18	43.0	3.40	43.8	3.44
	95	25.7	1.75	30.7	2.23	35.6	2.78	38.0	3.10	40.4	3.39	42.1	3.53	43.2	3.55
	99	24.9	1.86	29.7	2.38	34.5	2.96	36.9	3.28	39.2	3.61	40.3	3.66	41.1	3.69
	102	24.4	1.97	29.2	2.53	33.8	3.15	36.1	3.50	37.9	3.75	38.7	3.78	39.7	3.81
108	24.4	2.09	29.2	2.68	33.8	3.34	36.1	3.71	37.4	3.89	37.9	3.90	39.2	3.93	
111	24.4	2.21	29.2	2.83	33.8	3.55	36.1	3.93	36.9	4.04	37.1	4.03	38.7	4.05	
115	24.4	2.32	29.2	2.98	33.8	3.74	36.1	4.14	36.4	4.19	36.4	4.14	38.2	4.18	



# Capacity Tables

**Table 5. 4TVH0036B100NB (Cooling) (continued)**

Com- bina- tion (%)	Outdoor Temper- ature (°F)	Indoor Temperature (°F, WB)													
		57		61		64		67		69		72		75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
90	50	23.4	0.95	27.8	1.15	32.5	1.36	34.7	1.46	36.9	1.57	41.6	1.79	46.0	2.01
	54	23.4	0.97	27.8	1.16	32.5	1.37	34.7	1.48	36.9	1.60	41.6	1.82	46.0	2.06
	57	23.4	0.98	27.8	1.19	32.4	1.41	34.6	1.52	36.8	1.63	41.5	1.86	45.9	2.10
	61	23.3	1.00	27.7	1.21	32.4	1.42	34.6	1.54	36.8	1.66	41.5	1.90	45.9	2.13
	64	23.3	1.02	27.7	1.23	32.4	1.46	34.6	1.57	36.8	1.69	41.4	1.93	45.8	2.26
	68	23.3	1.04	27.7	1.26	32.4	1.48	34.6	1.61	36.7	1.76	41.4	2.07	45.8	2.43
	70	23.3	1.04	27.7	1.26	32.3	1.52	34.5	1.66	36.7	1.81	41.4	2.16	45.7	2.51
	73	23.3	1.07	27.6	1.31	32.3	1.61	34.5	1.78	36.7	1.95	41.3	2.31	45.7	2.70
	77	23.2	1.12	27.6	1.41	32.2	1.73	34.4	1.90	36.6	2.08	41.3	2.47	45.7	2.90
	81	23.2	1.20	27.6	1.50	32.2	1.84	34.4	2.03	36.6	2.22	41.2	2.65	45.1	3.04
	84	23.2	1.26	27.6	1.60	32.2	1.96	34.4	2.16	36.6	2.38	41.2	2.82	44.5	3.16
	88	23.2	1.36	27.5	1.71	32.2	2.10	34.3	2.31	36.5	2.54	41.1	3.02	43.6	3.29
	91	23.2	1.43	27.5	1.81	32.1	2.24	34.3	2.46	36.5	2.70	41.1	3.22	43.0	3.40
	95	23.1	1.52	27.4	1.93	32.0	2.38	34.2	2.63	36.4	2.89	41.0	3.44	42.1	3.53
	99	22.4	1.61	26.6	2.06	31.1	2.54	33.2	2.81	35.3	3.07	39.5	3.63	40.3	3.66
	102	21.9	1.71	26.1	2.17	30.4	2.70	32.5	2.98	34.6	3.28	37.9	3.75	38.7	3.78
108	21.9	1.81	26.1	2.30	30.4	2.86	32.5	3.16	34.6	3.48	37.1	3.88	37.9	3.90	
111	21.9	1.91	26.1	2.42	30.4	3.03	32.5	3.34	34.6	3.68	36.4	3.99	37.1	4.03	
115	21.9	2.01	26.1	2.54	30.4	3.20	32.5	3.52	34.6	3.88	35.6	4.12	36.4	4.14	

**Table 5. 4TVH0036B100NB (Cooling) (continued)**

Com- bina- tion (%)	Outdoor Temper- ature (°F)	Indoor Temperature (°F, WB)													
		57		61		64		67		69		72		75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
80	50	20.8	0.84	24.9	1.01	28.9	1.18	30.9	1.27	32.8	1.36	36.9	1.56	40.8	1.76
	54	20.8	0.86	24.8	1.02	28.9	1.20	30.8	1.30	32.8	1.40	36.9	1.59	40.7	1.79
	57	20.8	0.87	24.8	1.04	28.9	1.23	30.8	1.32	32.7	1.42	36.8	1.62	40.7	1.83
	61	20.8	0.88	24.8	1.07	28.9	1.26	30.8	1.35	32.7	1.45	36.8	1.66	40.7	1.86
	64	20.7	0.90	24.8	1.08	28.8	1.27	30.7	1.37	32.7	1.47	36.8	1.68	40.6	1.90
	68	20.7	0.92	24.7	1.10	28.8	1.30	30.7	1.41	32.6	1.51	36.7	1.75	40.6	2.03
	70	20.7	0.92	24.7	1.11	28.7	1.31	30.7	1.42	32.6	1.53	36.7	1.81	40.5	2.11
	73	20.7	0.94	24.7	1.13	28.7	1.37	30.6	1.51	32.6	1.64	36.7	1.94	40.5	2.26
	77	20.7	0.97	24.6	1.21	28.7	1.47	30.6	1.61	32.5	1.76	36.6	2.07	40.4	2.42
	81	20.7	1.03	24.6	1.29	28.7	1.57	30.6	1.72	32.5	1.88	36.6	2.22	40.4	2.59
	84	20.6	1.10	24.6	1.36	28.6	1.67	30.6	1.84	32.5	2.00	36.6	2.37	40.4	2.76
	88	20.6	1.16	24.6	1.46	28.6	1.78	30.5	1.95	32.4	2.14	36.5	2.53	40.3	2.95
	91	20.6	1.24	24.6	1.55	28.6	1.90	30.5	2.08	32.4	2.27	36.5	2.70	40.3	3.15
	95	20.5	1.31	24.5	1.64	28.5	2.01	30.4	2.22	32.3	2.43	36.4	2.87	40.2	3.36
	99	19.9	1.39	23.8	1.74	27.7	2.15	29.5	2.36	31.3	2.58	35.3	3.06	39.0	3.59
	102	19.5	1.47	23.3	1.85	27.1	2.27	28.9	2.50	30.7	2.75	34.6	3.26	37.9	3.75
	108	19.5	1.56	23.3	1.96	27.1	2.41	28.9	2.65	30.7	2.92	34.6	3.46	37.6	3.92
111	19.5	1.65	23.3	2.06	27.1	2.54	28.9	2.81	30.7	3.10	34.6	3.66	37.4	4.09	
115	19.5	1.74	23.3	2.17	27.1	2.66	28.9	2.96	30.7	3.27	34.6	3.87	37.1	4.25	



# Capacity Tables

**Table 5. 4TVH0036B100NB (Cooling) (continued)**

Com- bina- tion (%)	Outdoor Temper- ature (°F)	Indoor Temperature (°F, WB)													
		57		61		64		67		69		72		75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
70	50	18.2	0.74	21.7	0.88	25.2	1.02	27.0	1.10	28.7	1.18	32.2	1.34	35.8	1.51
	54	18.2	0.75	21.7	0.89	25.2	1.04	27.0	1.12	28.6	1.20	32.2	1.36	35.8	1.53
	57	18.2	0.77	21.7	0.91	25.2	1.06	27.0	1.15	28.6	1.22	32.2	1.39	35.7	1.56
	61	18.2	0.78	21.7	0.92	25.2	1.08	26.9	1.16	28.6	1.25	32.1	1.42	35.7	1.60
	64	18.1	0.78	21.7	0.94	25.1	1.10	26.9	1.18	28.5	1.26	32.1	1.45	35.7	1.63
	68	18.1	0.80	21.6	0.96	25.1	1.12	26.9	1.21	28.5	1.30	32.1	1.47	35.6	1.67
	70	18.1	0.81	21.6	0.97	25.1	1.13	26.8	1.21	28.5	1.31	32.1	1.50	35.6	1.74
	73	18.1	0.82	21.6	0.99	25.1	1.15	26.8	1.26	28.4	1.36	32.0	1.61	35.6	1.86
	77	18.1	0.83	21.6	1.02	25.0	1.23	26.8	1.35	28.4	1.47	32.0	1.71	35.5	1.99
	81	18.1	0.88	21.6	1.09	25.0	1.31	26.8	1.43	28.4	1.56	31.9	1.83	35.5	2.12
	84	18.0	0.94	21.5	1.16	25.0	1.40	26.7	1.52	28.4	1.66	31.9	1.95	35.5	2.27
	88	18.0	0.99	21.5	1.23	25.0	1.49	26.7	1.63	28.3	1.77	31.9	2.08	35.4	2.42
	91	18.0	1.06	21.5	1.31	24.9	1.58	26.7	1.73	28.3	1.89	31.9	2.22	35.4	2.58
	95	17.9	1.11	21.4	1.38	24.9	1.68	26.6	1.84	28.2	2.00	31.8	2.36	35.3	2.75
	99	17.4	1.18	20.8	1.47	24.1	1.79	25.8	1.95	27.4	2.13	30.8	2.51	34.2	2.92
	102	17.0	1.26	20.4	1.56	23.6	1.90	25.3	2.07	26.8	2.27	30.2	2.67	33.5	3.12
108	17.0	1.32	20.4	1.64	23.6	2.00	25.3	2.20	26.8	2.41	30.2	2.83	33.5	3.31	
111	17.0	1.40	20.4	1.73	23.6	2.11	25.3	2.32	26.8	2.54	30.2	2.99	33.5	3.50	
115	17.0	1.47	20.4	1.81	23.6	2.22	25.3	2.44	26.8	2.68	30.2	3.15	33.5	3.70	

**Table 5. 4TVH0036B100NB (Cooling) (continued)**

Com- bina- tion (%)	Outdoor Temper- ature (°F)	Indoor Temperature (°F, WB)													
		57		61		64		67		69		72		75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
60	50	15.6	0.64	18.6	0.76	21.6	0.87	23.2	0.94	24.6	1.00	27.6	1.13	30.6	1.26
	54	15.6	0.66	18.6	0.77	21.6	0.88	23.1	0.95	24.6	1.02	27.5	1.15	30.6	1.29
	57	15.6	0.67	18.6	0.78	21.6	0.91	23.1	0.97	24.6	1.04	27.5	1.17	30.5	1.31
	61	15.6	0.67	18.6	0.79	21.6	0.92	23.1	0.99	24.6	1.05	27.5	1.20	30.5	1.34
	64	15.6	0.68	18.5	0.81	21.6	0.94	23.0	1.00	24.6	1.07	27.4	1.21	30.5	1.36
	68	15.6	0.69	18.5	0.82	21.5	0.95	23.0	1.02	24.5	1.10	27.4	1.24	30.4	1.39
	70	15.5	0.70	18.5	0.83	21.5	0.96	23.0	1.03	24.5	1.10	27.4	1.26	30.4	1.41
	73	15.5	0.72	18.5	0.84	21.5	0.98	23.0	1.05	24.5	1.12	27.4	1.31	30.4	1.50
	77	15.5	0.72	18.5	0.86	21.4	1.02	23.0	1.10	24.5	1.20	27.3	1.39	30.3	1.60
	81	15.5	0.75	18.5	0.91	21.4	1.08	22.9	1.17	24.4	1.27	27.3	1.48	30.3	1.71
	84	15.5	0.79	18.4	0.97	21.4	1.15	22.9	1.26	24.4	1.36	27.3	1.58	30.3	1.81
	88	15.4	0.84	18.4	1.02	21.4	1.22	22.9	1.33	24.4	1.44	27.3	1.68	30.2	1.94
	91	15.4	0.88	18.4	1.08	21.4	1.30	22.9	1.42	24.4	1.53	27.2	1.79	30.2	2.06
	95	15.4	0.94	18.3	1.15	21.3	1.37	22.8	1.50	24.3	1.63	27.1	1.90	30.1	2.20
	99	14.9	0.99	17.8	1.21	20.7	1.47	22.1	1.59	23.6	1.73	26.3	2.02	29.2	2.33
	102	14.6	1.05	17.4	1.28	20.2	1.55	21.7	1.68	23.1	1.84	25.8	2.15	28.6	2.49
108	14.6	1.11	17.4	1.35	20.2	1.63	21.7	1.78	23.1	1.95	25.8	2.27	28.6	2.64	
111	14.6	1.16	17.4	1.42	20.2	1.72	21.7	1.87	23.1	2.06	25.8	2.39	28.6	2.79	
115	14.6	1.22	17.4	1.47	20.2	1.81	21.7	1.96	23.1	2.16	25.8	2.51	28.6	2.94	



# Capacity Tables

**Table 5. 4TVH0036B100NB (Cooling) (continued)**

Com- bina- tion (%)	Outdoor Temper- ature (°F)	Indoor Temperature (°F, WB)													
		57		61		64		67		69		72		75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
50	50	13.0	0.56	15.5	0.64	18.0	0.73	19.3	0.78	20.5	0.83	23.1	0.94	25.6	1.04
	54	13.0	0.56	15.5	0.65	18.0	0.74	19.3	0.79	20.5	0.84	23.0	0.95	25.5	1.06
	57	13.0	0.57	15.5	0.67	18.0	0.76	19.2	0.81	20.5	0.86	23.0	0.97	25.5	1.07
	61	13.0	0.57	15.5	0.67	18.0	0.77	19.2	0.82	20.5	0.87	23.0	0.98	25.5	1.10
	64	12.9	0.58	15.4	0.67	17.9	0.78	19.2	0.83	20.5	0.88	23.0	1.00	25.5	1.11
	68	12.9	0.59	15.4	0.69	17.9	0.79	19.2	0.85	20.4	0.90	22.9	1.02	25.4	1.14
	70	12.9	0.60	15.4	0.70	17.9	0.80	19.2	0.86	20.4	0.91	22.9	1.03	25.4	1.15
	73	12.9	0.61	15.4	0.71	17.9	0.82	19.2	0.87	20.4	0.93	22.9	1.04	25.4	1.17
	77	12.9	0.61	15.4	0.72	17.9	0.83	19.1	0.88	20.4	0.96	22.9	1.10	25.4	1.26
	81	12.9	0.62	15.4	0.74	17.9	0.87	19.1	0.94	20.4	1.02	22.9	1.16	25.4	1.33
	84	12.9	0.67	15.4	0.78	17.8	0.93	19.1	1.00	20.4	1.08	22.8	1.25	25.3	1.42
	88	12.9	0.70	15.3	0.83	17.8	0.99	19.1	1.07	20.3	1.15	22.8	1.32	25.3	1.52
	91	12.8	0.73	15.3	0.88	17.8	1.04	19.1	1.13	20.3	1.21	22.8	1.41	25.3	1.61
	95	12.8	0.78	15.3	0.94	17.8	1.10	19.0	1.20	20.2	1.29	22.7	1.49	25.2	1.71
	99	12.4	0.82	14.8	0.99	17.2	1.16	18.4	1.26	19.7	1.36	22.0	1.58	24.4	1.81
	102	12.2	0.87	14.5	1.04	16.9	1.24	18.1	1.34	19.2	1.45	21.6	1.68	23.9	1.92
108	12.2	0.91	14.5	1.10	16.9	1.31	18.1	1.42	19.2	1.52	21.6	1.77	23.9	2.03	
111	12.2	0.95	14.5	1.16	16.9	1.38	18.1	1.48	19.2	1.61	21.6	1.86	23.9	2.14	
115	12.2	0.99	14.5	1.21	16.9	1.46	18.1	1.56	19.2	1.68	21.6	1.96	23.9	2.25	

**Notes:**

- TC = Total Capacity (MBH)
- PI = Power Input (kW)

**Table 6. 4TVH0036B100NB (Heating)**

Combination (%)	Outdoor Temperature (°F)		Indoor Temperature (°F, WB)									
			61		65		70		72		75	
	DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
130	-4	-4.4	30.0	2.98	29.7	3.15	29.7	3.32	29.7	3.50	29.5	3.68
	1	0	32.7	3.24	32.4	3.40	32.4	3.57	32.2	3.73	32.2	3.89
	5	3	34.3	3.49	34.3	3.65	34.1	3.81	34.1	3.97	34.1	4.13
	10	9	36.2	3.64	36.0	3.80	36.0	3.94	36.0	4.10	35.7	4.24
	14	12	37.9	3.78	37.9	3.92	37.9	4.06	37.6	4.20	37.6	4.34
	19	18	41.1	3.82	40.8	3.96	40.8	4.08	40.6	4.21	40.6	4.33
	23	21	42.7	3.93	42.7	4.05	42.4	4.16	42.4	4.29	42.4	4.42
	27	25	44.3	3.82	44.3	3.94	44.3	4.05	44.1	4.15	44.1	4.27
	32	30	47.0	3.94	47.0	4.05	46.8	4.15	46.8	4.26	46.8	4.36
	37	36	49.7	4.05	49.5	4.14	49.5	4.24	49.5	4.35	48.9	4.40
	44	40	51.4	4.11	51.4	4.21	51.1	4.30	51.1	4.40	48.9	4.22
	47	43	53.0	4.13	53.0	4.22	53.0	4.31	52.7	4.38	48.9	4.01
	51	47	54.9	4.13	54.6	4.23	54.6	4.31	52.7	4.16	48.9	3.82
	54	50	56.5	4.19	56.2	4.28	56.2	4.35	52.7	4.01	48.9	3.68
	57	53	58.1	4.24	58.1	4.32	56.2	4.19	52.7	3.86	48.9	3.54
60	56	60.0	4.29	59.7	4.36	56.2	4.04	52.7	3.72	48.9	3.42	
120	-4	-4.4	29.7	3.20	29.7	3.37	29.7	3.53	29.5	3.70	29.5	3.86
	1	0	32.4	3.46	32.4	3.61	32.2	3.76	32.2	3.91	32.2	4.06
	5	3	34.3	3.71	34.1	3.85	34.1	3.99	34.1	4.14	33.8	4.29
	10	9	36.0	3.84	36.0	3.97	36.0	4.13	35.7	4.26	35.7	4.40
	14	12	37.9	3.97	37.6	4.10	37.6	4.23	37.6	4.36	37.3	4.50
	19	18	40.8	4.00	40.8	4.12	40.6	4.23	40.6	4.35	40.6	4.47
	23	21	42.7	4.09	42.4	4.20	42.4	4.31	42.4	4.43	42.2	4.54
	27	25	44.3	3.97	44.3	4.08	44.1	4.18	44.1	4.29	44.1	4.38
	32	30	47.0	4.08	46.8	4.18	46.8	4.28	46.8	4.37	45.2	4.27
	37	36	49.5	4.18	49.5	4.28	49.5	4.36	48.7	4.35	45.2	3.98
	44	40	51.4	4.24	51.1	4.33	51.1	4.42	48.7	4.17	45.2	3.82
	47	43	53.0	4.25	52.7	4.34	51.9	4.31	48.7	3.97	45.2	3.64
	51	47	54.6	4.26	54.6	4.34	51.9	4.10	48.7	3.78	45.2	3.47
	54	50	56.2	4.30	55.2	4.26	51.9	3.95	48.7	3.64	45.2	3.34
	57	53	58.1	4.35	55.2	4.10	51.9	3.80	48.7	3.50	45.2	3.22
60	56	58.7	4.25	55.2	3.96	51.9	3.66	48.7	3.39	45.2	3.11	



# Capacity Tables

**Table 6. 4TVH0036B100NB (Heating) (continued)**

Combination (%)	Outdoor Temperature (°F)		Indoor Temperature (°F, WB)									
			61		65		70		72		75	
	DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
110	-4	-4.4	29.7	3.45	29.5	3.60	29.5	3.75	29.5	3.90	29.2	4.05
	1	0	32.4	3.68	32.2	3.81	32.2	3.96	32.2	4.10	31.9	4.24
	5	3	34.1	3.92	34.1	4.06	34.1	4.19	33.8	4.32	33.8	4.45
	10	9	36.0	4.05	35.7	4.17	35.7	4.29	35.7	4.43	35.7	4.56
	14	12	37.6	4.16	37.6	4.28	37.6	4.40	37.3	4.53	37.3	4.64
	19	18	40.8	4.16	40.6	4.28	40.6	4.39	40.6	4.49	40.3	4.61
	23	21	42.4	4.26	42.4	4.36	42.2	4.46	42.2	4.57	41.4	4.55
	27	25	44.1	4.13	44.1	4.21	44.1	4.31	43.8	4.41	41.4	4.13
	32	30	46.8	4.22	46.8	4.31	46.8	4.40	44.6	4.18	41.4	3.83
	37	36	49.5	4.31	49.2	4.40	47.6	4.24	44.6	3.92	41.4	3.59
	44	40	51.1	4.36	50.6	4.40	47.6	4.07	44.6	3.75	41.4	3.45
	47	43	52.7	4.37	50.6	4.18	47.6	3.87	44.6	3.57	41.4	3.28
	51	47	53.8	4.28	50.6	3.97	47.6	3.68	44.6	3.40	41.4	3.13
	54	50	53.8	4.12	50.6	3.82	47.6	3.55	44.6	3.28	41.4	3.01
	57	53	53.8	3.96	50.6	3.68	47.6	3.42	44.6	3.16	41.4	2.91
60	56	53.8	3.82	50.6	3.56	47.6	3.30	44.6	3.06	41.4	2.82	
100	-4	-4.4	29.5	3.60	29.5	3.72	29.5	3.86	29.2	3.98	29.2	4.13
	1	0	32.2	3.80	32.2	3.92	31.9	4.04	31.9	4.15	31.9	4.29
	5	3	34.1	4.02	33.8	4.14	33.5	4.27	33.8	4.38	33.8	4.50
	10	9	35.7	4.13	35.7	4.25	35.3	4.36	35.4	4.47	35.4	4.59
	14	12	37.6	4.24	37.6	4.34	37.0	4.45	37.3	4.56	37.3	4.67
	19	18	40.6	4.23	40.6	4.32	39.5	4.42	40.3	4.51	37.6	4.15
	23	21	42.4	4.29	42.2	4.39	41.4	4.49	40.6	4.29	37.6	3.94
	27	25	44.1	4.16	44.1	4.24	42.0	4.23	40.6	3.90	37.6	3.57
	32	30	46.8	4.25	46.0	4.24	42.0	3.93	40.6	3.63	37.6	3.32
	37	36	48.9	4.27	46.0	3.97	42.0	3.67	40.6	3.39	37.6	3.12
	44	40	48.9	4.09	46.0	3.80	42.0	3.53	40.6	3.26	37.6	3.00
	47	43	48.9	3.88	46.0	3.62	42.0	3.40	40.6	3.10	37.6	2.85
	51	47	48.9	3.70	46.0	3.45	42.4	3.19	40.6	2.96	37.6	2.72
	54	50	48.9	3.57	46.0	3.32	42.4	3.09	40.6	2.85	37.6	2.64
	57	53	48.9	3.43	46.0	3.19	42.4	2.98	40.6	2.75	37.6	2.54
60	56	48.9	3.32	46.0	3.10	42.4	2.87	40.6	2.67	37.6	2.46	

**Table 6. 4TVH0036B100NB (Heating) (continued)**

Combination (%)	Outdoor Temperature (°F)		Indoor Temperature (°F, WB)									
			61		65		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
90	-4	-4.4	29.5	3.93	29.2	4.05	29.2	4.17	29.2	4.29	29.2	4.42
	1	0	32.2	4.13	31.9	4.24	31.9	4.34	31.9	4.45	31.9	4.57
	5	3	33.8	4.35	33.8	4.45	33.8	4.57	33.5	4.68	33.5	4.78
	10	9	35.7	4.45	35.7	4.56	35.4	4.66	35.4	4.77	33.8	4.56
	14	12	37.3	4.55	37.3	4.64	37.3	4.74	36.5	4.68	33.8	4.29
	19	18	40.6	4.52	40.3	4.61	38.9	4.45	36.5	4.09	33.8	3.75
	23	21	42.2	4.59	41.4	4.55	38.9	4.20	36.5	3.88	33.8	3.56
	27	25	43.8	4.43	41.4	4.12	38.9	3.81	36.5	3.52	33.8	3.24
	32	30	44.1	4.11	41.4	3.82	38.9	3.55	36.5	3.28	33.8	3.01
	37	36	44.1	3.84	41.4	3.58	38.9	3.32	36.5	3.08	33.8	2.83
	44	40	44.1	3.69	41.4	3.44	38.9	3.19	36.5	2.97	33.8	2.72
	47	43	44.1	3.51	41.4	3.28	38.9	3.04	36.5	2.82	33.8	2.60
	51	47	44.1	3.34	41.4	3.12	38.9	2.90	36.5	2.69	33.8	2.49
	54	50	44.1	3.23	41.4	3.01	38.9	2.81	36.5	2.60	33.8	2.40
	57	53	44.1	3.11	41.4	2.90	38.9	2.70	36.5	2.51	33.8	2.33
60	56	44.1	3.00	41.4	2.81	38.9	2.62	36.5	2.43	33.8	2.25	
80	-4	-4.4	29.2	4.17	29.2	4.28	29.2	4.38	29.2	4.49	28.9	4.61
	1	0	31.9	4.33	31.9	4.44	31.9	4.54	31.6	4.63	30.3	4.38
	5	3	33.8	4.57	33.5	4.66	33.5	4.76	32.4	4.60	30.3	4.21
	10	9	35.4	4.65	35.4	4.75	34.6	4.67	32.4	4.30	30.3	3.95
	14	12	37.3	4.74	36.8	4.75	34.6	4.39	32.4	4.06	30.3	3.72
	19	18	38.9	4.45	36.8	4.14	34.6	3.84	32.4	3.54	30.3	3.27
	23	21	38.9	4.22	36.8	3.94	34.6	3.64	32.4	3.37	30.3	3.10
	27	25	38.9	3.82	36.8	3.57	34.6	3.32	32.4	3.06	30.3	2.83
	32	30	38.9	3.56	36.8	3.32	34.6	3.09	32.4	2.85	30.3	2.64
	37	36	38.9	3.34	36.8	3.11	34.6	2.90	32.4	2.69	30.3	2.49
	44	40	38.9	3.21	36.8	3.00	34.6	2.79	32.4	2.58	30.3	2.39
	47	43	38.9	3.05	36.8	2.85	34.6	2.67	32.4	2.47	30.3	2.29
	51	47	38.9	2.91	36.8	2.72	34.6	2.54	32.4	2.35	30.3	2.19
	54	50	38.9	2.82	36.8	2.64	34.6	2.46	32.4	2.28	30.3	2.12
	57	53	38.9	2.71	36.8	2.54	34.6	2.36	32.4	2.20	30.3	2.04
60	56	38.9	2.63	36.8	2.46	34.6	2.30	32.4	2.14	30.3	1.98	



# Capacity Tables

**Table 6. 4TVH0036B100NB (Heating) (continued)**

Combination (%)	Outdoor Temperature (°F)		Indoor Temperature (°F, WB)									
			61		65		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
70	-4	-4.4	29.2	4.40	29.2	4.50	28.9	4.60	28.4	4.53	26.4	4.15
	1	0	31.9	4.56	31.6	4.64	30.3	4.40	28.4	4.06	26.4	3.72
	5	3	33.5	4.78	32.2	4.57	30.3	4.23	28.4	3.90	26.4	3.59
	10	9	34.1	4.61	32.2	4.28	30.3	3.97	28.4	3.66	26.4	3.37
	14	12	34.1	4.32	32.2	4.03	30.3	3.74	28.4	3.45	26.4	3.18
	19	18	34.1	3.79	32.2	3.53	30.3	3.28	28.4	3.03	26.4	2.80
	23	21	34.1	3.59	32.2	3.35	30.3	3.12	28.4	2.89	26.4	2.67
	27	25	34.1	3.26	32.2	3.05	30.3	2.83	28.4	2.63	26.4	2.43
	32	30	34.1	3.04	32.2	2.84	30.3	2.66	28.4	2.46	26.4	2.28
	37	36	34.1	2.85	32.2	2.67	30.3	2.50	28.4	2.32	26.4	2.14
	44	40	34.1	2.75	32.2	2.57	30.3	2.40	28.4	2.23	26.4	2.07
	47	43	34.1	2.62	32.2	2.45	30.3	2.30	28.4	2.14	26.4	1.98
	51	47	34.1	2.51	32.2	2.35	30.3	2.19	28.4	2.04	26.4	1.89
	54	50	34.1	2.42	32.2	2.27	30.3	2.13	28.4	1.98	26.4	1.84
	57	53	34.1	2.35	32.2	2.19	30.3	2.05	28.4	1.92	26.4	1.78
60	56	34.1	2.26	32.2	2.13	30.3	1.99	28.4	1.86	26.4	1.72	
60	-4	-4.4	28.9	4.64	27.6	4.39	26.0	4.07	24.3	3.75	22.6	3.45
	1	0	29.2	4.23	27.6	3.94	26.0	3.64	24.3	3.37	22.6	3.10
	5	3	29.2	4.06	27.6	3.79	26.0	3.51	24.3	3.25	22.6	3.00
	10	9	29.2	3.81	27.6	3.56	26.0	3.31	24.3	3.07	22.6	2.83
	14	12	29.2	3.60	27.6	3.35	26.0	3.13	24.3	2.89	22.6	2.67
	19	18	29.2	3.16	27.6	2.95	26.0	2.75	24.3	2.55	22.6	2.36
	23	21	29.2	3.00	27.6	2.81	26.0	2.62	24.3	2.44	22.6	2.25
	27	25	29.2	2.73	27.6	2.55	26.0	2.39	24.3	2.22	22.6	2.05
	32	30	29.2	2.55	27.6	2.39	26.0	2.24	24.3	2.08	22.6	1.93
	37	36	29.2	2.41	27.6	2.26	26.0	2.11	24.3	1.97	22.6	1.83
	44	40	29.2	2.32	27.6	2.18	26.0	2.03	24.3	1.89	22.6	1.76
	47	43	29.2	2.20	27.6	2.08	26.0	1.95	24.3	1.82	22.6	1.70
	51	47	29.2	2.12	27.6	1.99	26.0	1.86	24.3	1.73	22.6	1.62
	54	50	29.2	2.04	27.6	1.93	26.0	1.81	24.3	1.69	22.6	1.57
	57	53	29.2	1.98	27.6	1.86	26.0	1.74	24.3	1.63	22.6	1.52
60	56	29.2	1.93	27.6	1.81	26.0	1.70	24.3	1.59	22.6	1.49	

**Table 6. 4TVH0036B100NB (Heating) (continued)**

Combination (%)	Outdoor Temperature (°F)		Indoor Temperature (°F, WB)									
			61		65		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
50	-4	-4.4	24.4	3.78	23.0	3.52	21.6	3.27	20.2	3.03	18.8	2.80
	1	0	24.4	3.39	23.0	3.16	21.6	2.96	20.2	2.74	18.8	2.53
	5	3	24.4	3.27	23.0	3.05	21.6	2.84	20.2	2.65	18.8	2.45
	10	9	24.4	3.08	23.0	2.88	21.6	2.69	20.2	2.50	18.8	2.32
	14	12	24.4	2.91	23.0	2.73	21.6	2.54	20.2	2.36	18.8	2.19
	19	18	24.4	2.56	23.0	2.41	21.6	2.25	20.2	2.09	18.8	1.94
	23	21	24.4	2.45	23.0	2.30	21.6	2.15	20.2	2.00	18.8	1.86
	27	25	24.4	2.23	23.0	2.10	21.6	1.96	20.2	1.84	18.8	1.70
	32	30	24.4	2.09	23.0	1.97	21.6	1.85	20.2	1.72	18.8	1.60
	37	36	24.4	1.98	23.0	1.86	21.6	1.74	20.2	1.63	18.8	1.53
	44	40	24.4	1.90	23.0	1.80	21.6	1.69	20.2	1.58	18.8	1.47
	47	43	24.4	1.83	23.0	1.72	21.6	1.61	20.2	1.51	18.8	1.41
	51	47	24.4	1.74	23.0	1.65	21.6	1.54	20.2	1.45	18.8	1.36
	54	50	24.4	1.70	23.0	1.60	21.6	1.51	20.2	1.41	18.8	1.32
	57	53	24.4	1.64	23.0	1.54	21.6	1.46	20.2	1.37	18.8	1.28
60	56	24.4	1.60	23.0	1.51	21.6	1.41	20.2	1.33	18.8	1.24	

**Notes:**

- TC = Total Capacity (MBH)
- PI = Power Input (kW)



Capacity Tables

# 4TVH0048B100NB

Table 7. 4TVH0048B100NB (Cooling)

Com- bina- tion (%)	Outdoor Temper- ature (°F)	Indoor Temperature (°F, WB)													
		57		61		64		67		69		72		75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
130	50	42.8	1.92	50.8	2.35	59.2	2.78	63.3	3.01	66.5	3.17	68.2	3.04	69.6	2.89
	54	42.8	1.95	50.7	2.39	59.1	2.85	63.3	3.07	65.7	3.15	67.1	3.01	68.8	2.96
	57	42.7	1.99	50.7	2.44	59.0	2.90	63.2	3.13	64.6	3.13	66.3	3.10	67.7	3.13
	61	42.7	2.03	50.7	2.49	59.0	2.96	63.2	3.23	63.8	3.24	65.2	3.26	67.0	3.30
	64	42.7	2.07	50.6	2.53	58.9	3.15	62.1	3.39	62.7	3.40	64.5	3.44	65.9	3.46
	68	42.6	2.11	50.6	2.70	58.9	3.39	61.3	3.56	62.0	3.57	63.4	3.60	65.1	3.64
	70	42.5	2.17	50.5	2.80	58.8	3.52	60.5	3.64	61.6	3.66	62.9	3.69	64.7	3.72
	73	42.5	2.32	50.5	2.99	58.8	3.77	59.8	3.80	60.5	3.82	62.2	3.86	63.6	3.89
	77	42.5	2.49	50.4	3.21	58.0	3.95	59.0	3.97	59.7	3.99	61.1	4.03	62.8	4.06
	81	42.4	2.66	50.4	3.44	57.3	4.12	57.9	4.13	58.6	4.15	60.4	4.20	61.7	4.23
	84	42.4	2.83	50.3	3.66	56.2	4.28	57.2	4.30	57.9	4.34	59.3	4.37	61.0	4.41
	88	42.3	3.01	50.3	3.93	55.4	4.45	56.1	4.47	56.8	4.50	58.5	4.53	59.9	4.59
	91	42.3	3.22	50.2	4.19	54.3	4.62	55.4	4.65	56.1	4.67	57.4	4.71	59.1	4.76
	95	42.2	3.42	50.1	4.46	53.5	4.79	54.2	4.80	54.9	4.84	56.6	4.88	57.9	4.94
	99	40.9	3.65	48.5	4.76	50.9	4.95	51.9	4.99	52.6	5.01	53.9	5.07	55.5	5.11
	102	40.1	3.88	47.6	5.07	49.2	5.14	49.9	5.15	50.5	5.18	52.1	5.24	53.4	5.28
108	40.1	4.12	47.6	5.39	48.5	5.31	48.9	5.32	49.5	5.35	51.5	5.41	52.5	5.47	
111	40.1	4.35	47.6	5.70	47.9	5.48	47.9	5.48	48.5	5.54	50.8	5.59	51.5	5.64	
115	40.1	4.59	47.6	6.01	47.2	5.66	46.9	5.65	47.6	5.71	50.2	5.76	50.5	5.81	

**Table 7. 4TVH0048B100NB (Cooling) (continued)**

Com- bina- tion (%)	Outdoor Temper- ature (°F)	Indoor Temperature (°F, WB)													
		57		61		64		67		69		72		75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
120	50	39.3	1.76	47.0	2.13	54.7	2.55	58.5	2.75	62.3	2.96	67.2	3.13	68.6	3.00
	54	39.3	1.78	46.9	2.18	54.6	2.59	58.4	2.80	62.2	3.01	66.1	3.12	67.4	2.98
	57	39.3	1.81	46.9	2.23	54.5	2.65	58.4	2.85	62.2	3.07	65.3	3.09	66.7	3.12
	61	39.2	1.85	46.8	2.26	54.5	2.69	58.3	2.92	62.1	3.15	64.2	3.25	65.6	3.28
	64	39.2	1.89	46.8	2.32	54.4	2.78	58.2	3.08	62.1	3.39	63.4	3.41	64.8	3.45
	68	39.1	1.92	46.8	2.40	54.4	2.99	58.2	3.32	61.0	3.55	62.3	3.58	63.7	3.61
	70	39.1	1.94	46.7	2.49	54.3	3.10	58.1	3.45	60.5	3.64	61.9	3.66	63.3	3.70
	73	39.1	2.08	46.7	2.66	54.3	3.32	58.0	3.69	59.5	3.80	61.2	3.83	62.5	3.87
	77	39.0	2.21	46.6	2.85	54.2	3.57	58.0	3.95	58.7	3.97	60.1	3.99	61.4	4.04
	81	39.0	2.37	46.6	3.06	54.1	3.81	56.9	4.12	57.6	4.13	59.3	4.17	60.7	4.20
	84	38.9	2.52	46.5	3.26	54.1	4.07	56.2	4.28	56.8	4.30	58.2	4.34	59.6	4.38
	88	38.9	2.69	46.5	3.47	54.0	4.36	55.1	4.45	55.7	4.46	57.5	4.51	58.9	4.54
	91	38.8	2.86	46.4	3.71	53.7	4.60	54.3	4.61	55.0	4.63	56.4	4.68	57.8	4.73
	95	38.7	3.06	46.3	3.95	52.5	4.76	53.1	4.78	54.2	4.80	55.5	4.85	56.9	4.90
	99	37.6	3.25	44.9	4.21	50.2	4.93	50.9	4.95	51.6	4.98	52.9	5.02	54.2	5.07
	102	36.8	3.46	44.0	4.49	48.2	5.10	49.2	5.12	49.9	5.15	51.2	5.20	52.5	5.25
	108	36.8	3.66	44.0	4.76	47.2	5.27	48.5	5.28	49.2	5.33	50.5	5.38	51.8	5.42
111	36.8	3.87	44.0	5.03	46.3	5.46	47.9	5.46	48.5	5.50	49.9	5.55	51.2	5.60	
115	36.8	4.06	44.0	5.31	45.3	5.63	47.2	5.62	47.9	5.67	49.2	5.73	50.5	5.78	



# Capacity Tables

**Table 7. 4TVH0048B100NB (Cooling) (continued)**

Com- bina- tion (%)	Outdoor Temper- ature (°F)	Indoor Temperature (°F, WB)													
		57		61		64		67		69		72		75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
110	50	36.2	1.59	43.2	1.94	50.1	2.31	53.6	2.49	57.1	2.67	64.0	3.06	67.2	3.12
	54	36.2	1.62	43.1	1.97	50.1	2.34	53.6	2.53	57.0	2.73	64.0	3.12	66.4	3.09
	57	36.1	1.64	43.1	2.01	50.0	2.39	53.5	2.59	56.9	2.78	63.9	3.17	65.3	3.09
	61	36.1	1.68	43.0	2.05	50.0	2.44	53.4	2.64	56.9	2.83	63.2	3.23	64.5	3.26
	64	36.0	1.71	43.0	2.09	49.9	2.49	53.4	2.70	56.8	2.98	62.4	3.39	63.4	3.42
	68	36.0	1.75	42.9	2.13	49.9	2.64	53.3	2.91	56.8	3.20	61.3	3.56	62.7	3.60
	70	36.0	1.77	42.9	2.19	49.8	2.72	53.3	3.01	56.7	3.32	60.9	3.64	62.3	3.66
	73	35.9	1.85	42.9	2.35	49.8	2.92	53.2	3.23	56.7	3.56	59.8	3.80	61.2	3.83
	77	35.9	1.97	42.8	2.52	49.7	3.13	53.2	3.46	56.6	3.81	59.0	3.97	60.4	4.01
	81	35.9	2.10	42.8	2.68	49.7	3.34	53.1	3.71	56.6	4.07	57.9	4.14	59.3	4.18
	84	35.8	2.25	42.7	2.86	49.6	3.58	53.1	3.96	55.8	4.27	57.2	4.31	58.6	4.34
	88	35.8	2.39	42.7	3.06	49.6	3.81	53.0	4.23	55.1	4.44	56.1	4.47	57.5	4.52
	91	35.8	2.53	42.7	3.26	49.5	4.07	53.0	4.52	54.0	4.60	55.4	4.65	56.7	4.68
	95	35.7	2.70	42.5	3.47	49.4	4.35	52.5	4.76	53.1	4.78	54.2	4.82	55.5	4.86
	99	34.6	2.86	41.2	3.70	47.9	4.63	49.9	4.93	50.5	4.94	51.9	4.99	53.2	5.03
	102	33.9	3.06	40.4	3.94	46.9	4.94	48.2	5.09	48.9	5.11	50.2	5.16	51.2	5.20
	108	33.9	3.24	40.4	4.19	46.9	5.24	47.6	5.26	48.2	5.27	49.5	5.34	50.2	5.36
111	33.9	3.42	40.4	4.43	46.9	5.55	46.9	5.42	47.6	5.44	48.9	5.51	49.2	5.54	
115	33.9	3.61	40.4	4.67	46.9	5.84	46.3	5.59	46.9	5.62	48.2	5.68	48.2	5.70	

**Table 7. 4TVH0048B100NB (Cooling) (continued)**

Com- bina- tion (%)	Outdoor Temper- ature (°F)	Indoor Temperature (°F, WB)													
		57		61		64		67		69		72		75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
100	50	32.9	1.44	39.3	1.73	45.6	2.05	48.7	2.23	51.8	2.40	58.1	2.74	64.7	3.08
	54	32.8	1.46	39.3	1.78	45.5	2.10	48.7	2.27	51.8	2.44	58.0	2.78	64.7	3.14
	57	32.8	1.48	39.3	1.80	45.5	2.13	48.6	2.32	51.7	2.49	58.0	2.84	64.3	3.18
	61	32.8	1.51	39.2	1.85	45.5	2.18	48.6	2.36	51.7	2.53	57.9	2.90	63.2	3.23
	64	32.7	1.54	39.2	1.87	45.4	2.23	48.5	2.41	51.6	2.59	57.9	3.06	62.4	3.39
	68	32.7	1.58	39.1	1.92	45.4	2.29	48.5	2.52	51.6	2.77	57.8	3.30	61.3	3.56
	70	32.7	1.59	39.1	1.93	45.3	2.37	48.4	2.61	51.5	2.86	57.8	3.41	60.9	3.65
	73	32.7	1.63	39.1	2.05	45.3	2.55	48.4	2.80	51.5	3.08	57.7	3.66	60.1	3.81
	77	32.6	1.73	39.0	2.20	45.2	2.72	48.3	3.00	51.4	3.30	57.7	3.93	59.0	3.98
	81	32.6	1.85	39.0	2.35	45.2	2.91	48.3	3.21	51.4	3.53	56.9	4.12	58.3	4.14
	84	32.6	1.97	38.9	2.51	45.2	3.10	48.2	3.44	51.3	3.77	56.2	4.28	57.2	4.31
	88	32.5	2.10	38.9	2.67	45.1	3.32	48.2	3.66	51.3	4.03	55.1	4.45	56.5	4.47
	91	32.5	2.24	38.8	2.84	45.1	3.53	48.1	3.90	51.2	4.30	54.3	4.61	55.4	4.66
	95	32.4	2.37	38.7	3.02	44.9	3.77	48.0	4.20	51.1	4.59	53.1	4.78	54.5	4.82
	99	31.4	2.52	37.6	3.22	43.6	4.01	46.6	4.44	49.5	4.88	50.9	4.95	51.9	5.00
	102	30.8	2.67	36.8	3.42	42.7	4.27	45.6	4.74	47.9	5.08	48.9	5.12	50.2	5.16
108	30.8	2.83	36.8	3.63	42.7	4.53	45.6	5.02	47.2	5.27	47.9	5.28	49.5	5.33	
111	30.8	2.99	36.8	3.83	42.7	4.80	45.6	5.32	46.6	5.48	46.9	5.46	48.9	5.49	
115	30.8	3.14	36.8	4.04	42.7	5.07	45.6	5.62	45.9	5.67	45.9	5.62	48.2	5.66	



# Capacity Tables

**Table 7. 4TVH0048B100NB (Cooling) (continued)**

Com- bina- tion (%)	Outdoor Temper- ature (°F)	Indoor Temperature (°F, WB)													
		57		61		64		67		69		72		75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
90	50	29.6	1.29	35.1	1.55	41.1	1.84	43.9	1.97	46.6	2.12	52.6	2.42	58.1	2.73
	54	29.6	1.31	35.1	1.58	41.0	1.86	43.8	2.01	46.6	2.17	52.5	2.47	58.0	2.78
	57	29.5	1.32	35.1	1.61	41.0	1.91	43.7	2.05	46.5	2.20	52.5	2.52	58.0	2.84
	61	29.5	1.36	35.0	1.64	40.9	1.93	43.7	2.09	46.5	2.25	52.4	2.57	57.9	2.89
	64	29.5	1.38	35.0	1.67	40.9	1.97	43.7	2.12	46.5	2.29	52.4	2.61	57.9	3.06
	68	29.5	1.40	35.0	1.70	40.9	2.01	43.6	2.18	46.4	2.39	52.3	2.81	57.8	3.29
	70	29.4	1.42	34.9	1.71	40.8	2.05	43.6	2.25	46.4	2.45	52.3	2.92	57.8	3.40
	73	29.4	1.45	34.9	1.78	40.8	2.18	43.5	2.41	46.3	2.64	52.2	3.13	57.7	3.66
	77	29.3	1.52	34.9	1.91	40.7	2.34	43.5	2.58	46.3	2.82	52.1	3.34	57.7	3.93
	81	29.3	1.62	34.8	2.03	40.7	2.50	43.5	2.75	46.2	3.01	52.1	3.58	56.9	4.12
	84	29.3	1.71	34.8	2.17	40.7	2.66	43.4	2.93	46.2	3.22	52.0	3.82	56.2	4.28
	88	29.2	1.84	34.8	2.32	40.6	2.84	43.4	3.13	46.1	3.44	52.0	4.09	55.1	4.45
	91	29.2	1.94	34.7	2.45	40.6	3.04	43.3	3.33	46.1	3.66	51.9	4.36	54.3	4.61
	95	29.1	2.05	34.6	2.61	40.5	3.23	43.2	3.56	45.9	3.91	51.8	4.66	53.1	4.78
	99	28.3	2.18	33.6	2.78	39.3	3.44	41.9	3.80	44.6	4.17	49.9	4.92	50.9	4.95
	102	27.7	2.32	32.9	2.94	38.4	3.66	41.0	4.04	43.6	4.44	47.9	5.08	48.9	5.12
108	27.7	2.45	32.9	3.12	38.4	3.88	41.0	4.28	43.6	4.71	46.9	5.25	47.9	5.28	
111	27.7	2.59	32.9	3.28	38.4	4.11	41.0	4.53	43.6	4.99	45.9	5.41	46.9	5.46	
115	27.7	2.73	32.9	3.45	38.4	4.34	41.0	4.77	43.6	5.26	44.9	5.58	45.9	5.62	

**Table 7. 4TVH0048B100NB (Cooling) (continued)**

Com- bina- tion (%)	Outdoor Temper- ature (°F)	Indoor Temperature (°F, WB)													
		57		61		64		67		69		72		75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
80	50	26.3	1.14	31.4	1.37	36.5	1.60	39.0	1.72	41.4	1.85	46.6	2.11	51.5	2.39
	54	26.3	1.16	31.4	1.38	36.5	1.63	38.9	1.76	41.4	1.89	46.6	2.16	51.5	2.43
	57	26.3	1.18	31.3	1.42	36.5	1.67	38.9	1.79	41.3	1.92	46.5	2.19	51.4	2.48
	61	26.2	1.20	31.3	1.45	36.4	1.70	38.8	1.83	41.3	1.96	46.5	2.25	51.4	2.52
	64	26.2	1.22	31.3	1.46	36.4	1.72	38.8	1.86	41.2	2.00	46.5	2.28	51.3	2.58
	68	26.2	1.24	31.2	1.50	36.4	1.76	38.8	1.91	41.2	2.04	46.4	2.37	51.3	2.75
	70	26.2	1.24	31.2	1.51	36.3	1.78	38.7	1.92	41.2	2.08	46.4	2.45	51.2	2.85
	73	26.1	1.28	31.2	1.53	36.3	1.86	38.7	2.04	41.1	2.23	46.3	2.63	51.2	3.06
	77	26.1	1.31	31.1	1.64	36.2	1.99	38.7	2.18	41.1	2.39	46.3	2.81	51.1	3.28
	81	26.1	1.39	31.1	1.75	36.2	2.12	38.6	2.33	41.0	2.55	46.2	3.00	51.1	3.50
	84	26.1	1.48	31.1	1.85	36.2	2.26	38.6	2.49	41.0	2.72	46.2	3.21	51.0	3.74
	88	26.0	1.58	31.1	1.97	36.1	2.41	38.5	2.65	41.0	2.90	46.1	3.42	50.9	3.99
	91	26.0	1.68	31.0	2.10	36.1	2.57	38.5	2.82	40.9	3.08	46.1	3.65	50.9	4.27
	95	25.9	1.78	30.9	2.23	36.0	2.73	38.4	3.00	40.8	3.29	45.9	3.89	50.7	4.55
	99	25.1	1.88	30.0	2.36	34.9	2.91	37.2	3.20	39.6	3.49	44.6	4.14	49.2	4.86
	102	24.6	2.00	29.4	2.51	34.2	3.08	36.5	3.39	38.8	3.73	43.6	4.42	47.9	5.08
108	24.6	2.11	29.4	2.66	34.2	3.26	36.5	3.60	38.8	3.96	43.6	4.69	47.6	5.31	
111	24.6	2.24	29.4	2.80	34.2	3.44	36.5	3.80	38.8	4.20	43.6	4.96	47.2	5.54	
115	24.6	2.35	29.4	2.94	34.2	3.61	36.5	4.01	38.8	4.43	43.6	5.24	46.9	5.75	



# Capacity Tables

**Table 7. 4TVH0048B100NB (Cooling) (continued)**

Com- bina- tion (%)	Outdoor Temper- ature (°F)	Indoor Temperature (°F, WB)													
		57		61		64		67		69		72		75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
70	50	23.0	1.00	27.5	1.19	31.9	1.38	34.1	1.50	36.2	1.60	40.7	1.81	45.3	2.04
	54	23.0	1.02	27.4	1.21	31.9	1.42	34.1	1.52	36.2	1.63	40.7	1.85	45.2	2.08
	57	23.0	1.04	27.4	1.23	31.8	1.44	34.0	1.55	36.1	1.65	40.6	1.88	45.2	2.11
	61	22.9	1.05	27.4	1.24	31.8	1.46	34.0	1.58	36.1	1.69	40.6	1.92	45.1	2.17
	64	22.9	1.06	27.4	1.28	31.7	1.50	34.0	1.60	36.0	1.71	40.6	1.96	45.1	2.20
	68	22.9	1.08	27.3	1.30	31.7	1.52	33.9	1.64	36.0	1.76	40.5	2.00	45.0	2.26
	70	22.9	1.10	27.3	1.31	31.7	1.53	33.9	1.64	36.0	1.78	40.5	2.03	45.0	2.35
	73	22.8	1.11	27.3	1.34	31.6	1.56	33.9	1.71	35.9	1.85	40.4	2.18	44.9	2.52
	77	22.8	1.13	27.3	1.38	31.6	1.67	33.8	1.83	35.9	1.99	40.4	2.32	44.9	2.69
	81	22.8	1.20	27.2	1.47	31.6	1.78	33.8	1.94	35.9	2.11	40.4	2.48	44.8	2.88
	84	22.8	1.27	27.2	1.58	31.6	1.89	33.8	2.07	35.8	2.25	40.3	2.65	44.8	3.07
	88	22.8	1.35	27.2	1.67	31.5	2.02	33.7	2.20	35.8	2.40	40.3	2.82	44.7	3.28
	91	22.7	1.44	27.1	1.77	31.5	2.15	33.7	2.34	35.8	2.56	40.3	3.00	44.7	3.49
	95	22.7	1.51	27.1	1.87	31.4	2.27	33.6	2.49	35.7	2.72	40.1	3.20	44.6	3.72
	99	22.0	1.60	26.2	1.99	30.5	2.42	32.6	2.65	34.6	2.89	38.9	3.40	43.2	3.96
	102	21.5	1.70	25.7	2.11	29.8	2.57	31.9	2.81	33.9	3.07	38.1	3.62	42.3	4.22
108	21.5	1.79	25.7	2.23	29.8	2.72	31.9	2.98	33.9	3.26	38.1	3.83	42.3	4.49	
111	21.5	1.89	25.7	2.34	29.8	2.85	31.9	3.14	33.9	3.45	38.1	4.05	42.3	4.75	
115	21.5	1.99	25.7	2.45	29.8	3.00	31.9	3.31	33.9	3.63	38.1	4.27	42.3	5.01	

**Table 7. 4TVH0048B100NB (Cooling) (continued)**

Com- bina- tion (%)	Outdoor Temper- ature (°F)	Indoor Temperature (°F, WB)													
		57		61		64		67		69		72		75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
60	50	19.7	0.87	23.5	1.03	27.3	1.18	29.2	1.27	31.1	1.36	34.8	1.53	38.6	1.71
	54	19.7	0.89	23.5	1.04	27.3	1.20	29.2	1.29	31.1	1.38	34.8	1.56	38.6	1.75
	57	19.7	0.90	23.5	1.05	27.3	1.23	29.2	1.31	31.1	1.40	34.7	1.59	38.5	1.78
	61	19.7	0.90	23.5	1.07	27.2	1.24	29.1	1.34	31.1	1.43	34.7	1.62	38.5	1.81
	64	19.6	0.92	23.4	1.10	27.2	1.27	29.1	1.36	31.0	1.45	34.7	1.64	38.5	1.85
	68	19.6	0.94	23.4	1.11	27.2	1.29	29.1	1.38	31.0	1.48	34.6	1.68	38.4	1.88
	70	19.6	0.95	23.4	1.12	27.2	1.30	29.1	1.39	31.0	1.50	34.6	1.70	38.4	1.91
	73	19.6	0.97	23.3	1.14	27.1	1.32	29.0	1.43	30.9	1.52	34.6	1.77	38.4	2.03
	77	19.6	0.97	23.3	1.16	27.1	1.38	29.0	1.50	30.9	1.62	34.5	1.88	38.3	2.17
	81	19.5	1.02	23.3	1.23	27.1	1.46	29.0	1.59	30.9	1.72	34.5	2.01	38.3	2.32
	84	19.5	1.07	23.3	1.31	27.1	1.56	28.9	1.70	30.8	1.84	34.5	2.13	38.3	2.45
	88	19.5	1.14	23.3	1.38	27.0	1.65	28.9	1.80	30.8	1.95	34.4	2.27	38.2	2.63
	91	19.5	1.20	23.2	1.46	27.0	1.76	28.9	1.92	30.8	2.08	34.4	2.42	38.2	2.78
	95	19.4	1.27	23.2	1.55	26.9	1.86	28.8	2.03	30.7	2.20	34.3	2.58	38.1	2.98
	99	18.9	1.35	22.5	1.64	26.1	1.99	27.9	2.16	29.8	2.34	33.3	2.74	36.9	3.16
	102	18.5	1.43	22.0	1.73	25.6	2.10	27.4	2.28	29.1	2.49	32.6	2.91	36.2	3.37
108	18.5	1.51	22.0	1.83	25.6	2.21	27.4	2.41	29.1	2.64	32.6	3.07	36.2	3.57	
111	18.5	1.58	22.0	1.92	25.6	2.33	27.4	2.53	29.1	2.78	32.6	3.24	36.2	3.78	
115	18.5	1.65	22.0	2.00	25.6	2.45	27.4	2.66	29.1	2.92	32.6	3.40	36.2	3.98	



# Capacity Tables

**Table 7. 4TVH0048B100NB (Cooling) (continued)**

Com- bina- tion (%)	Outdoor Temper- ature (°F)	Indoor Temperature (°F, WB)													
		57		61		64		67		69		72		75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
50	50	16.4	0.75	19.6	0.87	22.8	0.99	24.4	1.05	26.0	1.12	29.1	1.27	32.3	1.40
	54	16.4	0.76	19.6	0.88	22.7	1.00	24.3	1.07	25.9	1.14	29.1	1.29	32.3	1.44
	57	16.4	0.78	19.5	0.90	22.7	1.03	24.3	1.10	25.9	1.16	29.1	1.31	32.2	1.45
	61	16.4	0.78	19.5	0.90	22.7	1.04	24.3	1.11	25.9	1.18	29.0	1.32	32.2	1.48
	64	16.4	0.79	19.5	0.91	22.7	1.05	24.3	1.13	25.9	1.20	29.0	1.36	32.2	1.51
	68	16.4	0.80	19.5	0.94	22.7	1.07	24.2	1.15	25.8	1.22	29.0	1.38	32.1	1.54
	70	16.3	0.81	19.5	0.95	22.6	1.08	24.2	1.16	25.8	1.23	29.0	1.39	32.1	1.55
	73	16.3	0.82	19.5	0.96	22.6	1.11	24.2	1.18	25.8	1.26	28.9	1.42	32.1	1.59
	77	16.3	0.83	19.4	0.97	22.6	1.12	24.2	1.20	25.7	1.30	28.9	1.50	32.0	1.70
	81	16.3	0.84	19.4	1.00	22.6	1.18	24.1	1.28	25.7	1.38	28.9	1.58	32.0	1.80
	84	16.3	0.90	19.4	1.06	22.5	1.26	24.1	1.36	25.7	1.46	28.8	1.69	32.0	1.92
	88	16.3	0.95	19.4	1.13	22.5	1.34	24.1	1.45	25.7	1.55	28.8	1.79	32.0	2.05
	91	16.2	0.99	19.4	1.20	22.5	1.42	24.1	1.53	25.6	1.64	28.8	1.91	31.9	2.18
	95	16.2	1.05	19.3	1.27	22.4	1.50	24.0	1.62	25.6	1.75	28.7	2.02	31.8	2.32
	99	15.7	1.11	18.7	1.34	21.7	1.58	23.3	1.71	24.8	1.85	27.8	2.15	30.9	2.45
	102	15.4	1.18	18.3	1.42	21.3	1.68	22.8	1.81	24.3	1.96	27.3	2.27	30.2	2.60
108	15.4	1.23	18.3	1.50	21.3	1.78	22.8	1.92	24.3	2.07	27.3	2.40	30.2	2.75	
111	15.4	1.29	18.3	1.58	21.3	1.87	22.8	2.01	24.3	2.18	27.3	2.52	30.2	2.90	
115	15.4	1.35	18.3	1.64	21.3	1.97	22.8	2.11	24.3	2.28	27.3	2.66	30.2	3.05	

**Notes:**

- TC = Total Capacity (MBH)
- PI = Power Input (kW)

**Table 8. 4TVH0048B100NB (Heating)**

Combination (%)	Outdoor Temperature (°F)		Indoor Temperature (°F, WB)									
			61		65		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
130	-4	-4.4	38.6	3.85	38.2	4.07	38.2	4.30	38.2	4.53	37.9	4.77
	1	0	42.1	4.19	41.7	4.40	41.7	4.62	41.4	4.83	41.4	5.03
	5	3	44.1	4.52	44.1	4.73	43.8	4.94	43.8	5.13	43.8	5.34
	10	9	46.6	4.72	46.2	4.91	46.2	5.09	46.2	5.30	45.9	5.48
	14	12	48.7	4.89	48.7	5.07	48.7	5.25	48.3	5.44	48.3	5.62
	19	18	52.9	4.95	52.5	5.12	52.5	5.28	52.1	5.45	52.1	5.61
	23	21	54.9	5.08	54.9	5.24	54.6	5.39	54.6	5.56	54.6	5.72
	27	25	57.0	4.95	57.0	5.09	57.0	5.24	56.7	5.38	56.7	5.52
	32	30	60.5	5.09	60.5	5.24	60.1	5.38	60.1	5.51	60.1	5.64
	37	36	64.0	5.24	63.6	5.36	63.6	5.48	63.6	5.63	62.9	5.69
	44	40	66.0	5.31	66.0	5.45	65.7	5.57	65.7	5.69	62.9	5.46
	47	43	68.1	5.34	68.1	5.46	68.1	5.58	67.8	5.67	62.9	5.19
	51	47	70.6	5.35	70.2	5.47	70.2	5.58	67.8	5.39	62.9	4.95
	54	50	72.7	5.42	72.3	5.53	72.3	5.63	67.8	5.19	62.9	4.77
	57	53	74.8	5.48	74.8	5.59	72.3	5.42	67.8	5.00	62.9	4.58
60	56	77.2	5.55	76.8	5.64	72.3	5.23	67.8	4.81	62.9	4.42	
120	-4	-4.4	38.2	4.14	38.2	4.36	38.2	4.57	37.9	4.79	37.9	5.00
	1	0	41.7	4.47	41.7	4.67	41.4	4.86	41.4	5.06	41.4	5.25
	5	3	44.1	4.80	43.8	4.99	43.8	5.17	43.8	5.36	43.5	5.56
	10	9	46.2	4.97	46.2	5.14	46.2	5.34	45.9	5.51	45.9	5.69
	14	12	48.7	5.13	48.3	5.30	48.3	5.47	48.3	5.64	48.0	5.83
	19	18	52.5	5.18	52.5	5.33	52.1	5.47	52.1	5.63	52.1	5.79
	23	21	54.9	5.29	54.6	5.44	54.6	5.58	54.6	5.73	54.2	5.87
	27	25	57.0	5.14	57.0	5.28	56.7	5.41	56.7	5.55	56.7	5.67
	32	30	60.5	5.28	60.1	5.41	60.1	5.53	60.1	5.66	58.1	5.52
	37	36	63.6	5.41	63.6	5.53	63.6	5.64	62.6	5.63	58.1	5.16
	44	40	66.0	5.48	65.7	5.61	65.7	5.72	62.6	5.40	58.1	4.95
	47	43	68.1	5.50	67.8	5.62	66.8	5.58	62.6	5.14	58.1	4.70
	51	47	70.2	5.51	70.2	5.62	66.8	5.30	62.6	4.89	58.1	4.49
	54	50	72.3	5.57	70.9	5.51	66.8	5.11	62.6	4.70	58.1	4.33
	57	53	74.8	5.63	70.9	5.30	66.8	4.91	62.6	4.53	58.1	4.17
60	56	75.4	5.50	70.9	5.12	66.8	4.74	62.6	4.39	58.1	4.02	



# Capacity Tables

**Table 8. 4TVH0048B100NB (Heating) (continued)**

Combination (%)	Outdoor Temperature (°F)		Indoor Temperature (°F, WB)									
			61		65		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
110	-4	-4.4	38.2	4.46	37.9	4.66	37.9	4.85	37.9	5.05	37.5	5.24
	1	0	41.7	4.77	41.4	4.94	41.4	5.12	41.4	5.30	41.0	5.48
	5	3	43.8	5.07	43.8	5.25	43.8	5.42	43.5	5.59	43.5	5.77
	10	9	46.2	5.24	45.9	5.40	45.9	5.56	45.9	5.73	45.9	5.90
	14	12	48.3	5.39	48.3	5.53	48.3	5.69	48.0	5.86	48.0	6.01
	19	18	52.5	5.39	52.1	5.53	52.1	5.68	52.1	5.81	51.8	5.96
	23	21	54.6	5.51	54.6	5.64	54.2	5.78	54.2	5.91	53.2	5.89
	27	25	56.7	5.34	56.7	5.45	56.7	5.58	56.3	5.70	53.2	5.34
	32	30	60.1	5.46	60.1	5.58	60.1	5.69	57.4	5.41	53.2	4.96
	37	36	63.6	5.58	63.3	5.69	61.2	5.48	57.4	5.07	53.2	4.64
	44	40	65.7	5.64	65.0	5.69	61.2	5.27	57.4	4.85	53.2	4.46
	47	43	67.8	5.66	65.0	5.41	61.2	5.01	57.4	4.62	53.2	4.24
	51	47	69.2	5.53	65.0	5.14	61.2	4.77	57.4	4.40	53.2	4.05
	54	50	69.2	5.33	65.0	4.95	61.2	4.60	57.4	4.24	53.2	3.90
	57	53	69.2	5.12	65.0	4.77	61.2	4.42	57.4	4.10	53.2	3.77
60	56	69.2	4.95	65.0	4.61	61.2	4.27	57.4	3.96	53.2	3.64	
100	-4	-4.4	37.9	4.66	37.9	4.81	37.9	5.00	37.5	5.16	37.5	5.34
	1	0	41.4	4.91	41.4	5.07	41.0	5.23	41.0	5.38	41.0	5.55
	5	3	43.8	5.20	43.5	5.36	43.0	5.52	43.5	5.67	43.5	5.83
	10	9	45.9	5.35	45.9	5.50	45.4	5.64	45.5	5.79	45.5	5.94
	14	12	48.3	5.48	48.3	5.62	47.5	5.77	48.0	5.90	48.0	6.05
	19	18	52.1	5.47	52.1	5.59	50.8	5.72	51.8	5.84	48.3	5.38
	23	21	54.6	5.56	54.2	5.68	53.2	5.81	52.1	5.56	48.3	5.09
	27	25	56.7	5.39	56.7	5.48	54.0	5.47	52.1	5.05	48.3	4.62
	32	30	60.1	5.50	59.1	5.48	54.0	5.08	52.1	4.69	48.3	4.30
	37	36	62.9	5.52	59.1	5.13	54.0	4.75	52.1	4.39	48.3	4.03
	44	40	62.9	5.29	59.1	4.92	54.0	4.57	52.1	4.22	48.3	3.88
	47	43	62.9	5.02	59.1	4.68	54.0	4.40	52.1	4.01	48.3	3.69
	51	47	62.9	4.79	59.1	4.46	54.5	4.13	52.1	3.83	48.3	3.52
	54	50	62.9	4.62	59.1	4.30	54.5	4.00	52.1	3.69	48.3	3.41
	57	53	62.9	4.44	59.1	4.13	54.5	3.85	52.1	3.56	48.3	3.29
60	56	62.9	4.29	59.1	4.01	54.5	3.72	52.1	3.45	48.3	3.18	

**Table 8. 4TVH0048B100NB (Heating) (continued)**

Combination (%)	Outdoor Temperature (°F)		Indoor Temperature (°F, WB)									
			61		65		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
90	-4	-4.4	37.9	5.08	37.5	5.24	37.5	5.40	37.5	5.56	37.5	5.72
	1	0	41.4	5.34	41.0	5.48	41.0	5.62	41.0	5.77	41.0	5.91
	5	3	43.5	5.63	43.5	5.77	43.5	5.91	43.1	6.06	43.1	6.19
	10	9	45.9	5.75	45.9	5.90	45.5	6.03	45.5	6.17	43.5	5.90
	14	12	48.0	5.89	48.0	6.01	48.0	6.13	46.9	6.06	43.5	5.55
	19	18	52.1	5.85	51.8	5.96	50.1	5.75	46.9	5.29	43.5	4.85
	23	21	54.2	5.94	53.2	5.89	50.1	5.44	46.9	5.02	43.5	4.61
	27	25	56.3	5.73	53.2	5.33	50.1	4.94	46.9	4.56	43.5	4.19
	32	30	56.7	5.31	53.2	4.95	50.1	4.60	46.9	4.24	43.5	3.90
	37	36	56.7	4.97	53.2	4.63	50.1	4.30	46.9	3.99	43.5	3.67
	44	40	56.7	4.78	53.2	4.45	50.1	4.13	46.9	3.84	43.5	3.52
	47	43	56.7	4.55	53.2	4.24	50.1	3.94	46.9	3.64	43.5	3.36
	51	47	56.7	4.33	53.2	4.03	50.1	3.75	46.9	3.49	43.5	3.22
	54	50	56.7	4.18	53.2	3.90	50.1	3.63	46.9	3.36	43.5	3.11
	57	53	56.7	4.02	53.2	3.75	50.1	3.50	46.9	3.25	43.5	3.01
60	56	56.7	3.89	53.2	3.63	50.1	3.39	46.9	3.14	43.5	2.91	
80	-4	-4.4	37.5	5.40	37.5	5.53	37.5	5.67	37.5	5.81	37.2	5.96
	1	0	41.0	5.61	41.0	5.74	41.0	5.87	40.7	6.00	38.9	5.67
	5	3	43.5	5.91	43.1	6.03	43.1	6.16	41.7	5.95	38.9	5.45
	10	9	45.5	6.02	45.5	6.14	44.5	6.05	41.7	5.57	38.9	5.11
	14	12	48.0	6.13	47.3	6.14	44.5	5.68	41.7	5.25	38.9	4.81
	19	18	50.1	5.77	47.3	5.36	44.5	4.97	41.7	4.58	38.9	4.23
	23	21	50.1	5.46	47.3	5.09	44.5	4.72	41.7	4.36	38.9	4.01
	27	25	50.1	4.95	47.3	4.62	44.5	4.29	41.7	3.96	38.9	3.66
	32	30	50.1	4.61	47.3	4.30	44.5	4.00	41.7	3.69	38.9	3.41
	37	36	50.1	4.33	47.3	4.02	44.5	3.75	41.7	3.49	38.9	3.22
	44	40	50.1	4.16	47.3	3.88	44.5	3.61	41.7	3.34	38.9	3.10
	47	43	50.1	3.95	47.3	3.69	44.5	3.45	41.7	3.19	38.9	2.96
	51	47	50.1	3.77	47.3	3.52	44.5	3.29	41.7	3.05	38.9	2.83
	54	50	50.1	3.64	47.3	3.41	44.5	3.18	41.7	2.95	38.9	2.74
	57	53	50.1	3.51	47.3	3.29	44.5	3.06	41.7	2.85	38.9	2.64
60	56	50.1	3.40	47.3	3.18	44.5	2.97	41.7	2.77	38.9	2.56	



# Capacity Tables

**Table 8. 4TVH0048B100NB (Heating) (continued)**

Combination (%)	Outdoor Temperature (°F)		Indoor Temperature (°F, WB)									
			61		65		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
70	-4	-4.4	37.5	5.69	37.5	5.83	37.2	5.95	36.5	5.86	33.9	5.38
	1	0	41.0	5.90	40.7	6.01	38.9	5.69	36.5	5.25	33.9	4.81
	5	3	43.1	6.18	41.4	5.91	38.9	5.47	36.5	5.05	33.9	4.64
	10	9	43.8	5.96	41.4	5.53	38.9	5.13	36.5	4.74	33.9	4.36
	14	12	43.8	5.59	41.4	5.22	38.9	4.84	36.5	4.46	33.9	4.12
	19	18	43.8	4.90	41.4	4.57	38.9	4.24	36.5	3.92	33.9	3.62
	23	21	43.8	4.64	41.4	4.34	38.9	4.03	36.5	3.74	33.9	3.45
	27	25	43.8	4.22	41.4	3.95	38.9	3.67	36.5	3.40	33.9	3.14
	32	30	43.8	3.94	41.4	3.68	38.9	3.44	36.5	3.18	33.9	2.95
	37	36	43.8	3.69	41.4	3.46	38.9	3.23	36.5	3.00	33.9	2.77
	44	40	43.8	3.56	41.4	3.33	38.9	3.11	36.5	2.89	33.9	2.68
	47	43	43.8	3.39	41.4	3.17	38.9	2.97	36.5	2.77	33.9	2.56
	51	47	43.8	3.24	41.4	3.05	38.9	2.84	36.5	2.64	33.9	2.45
	54	50	43.8	3.13	41.4	2.94	38.9	2.75	36.5	2.56	33.9	2.38
	57	53	43.8	3.03	41.4	2.84	38.9	2.66	36.5	2.49	33.9	2.30
60	56	43.8	2.93	41.4	2.75	38.9	2.57	36.5	2.40	33.9	2.23	
60	-4	-4.4	37.2	6.01	35.5	5.68	33.4	5.27	31.2	4.85	29.1	4.46
	1	0	37.5	5.47	35.5	5.09	33.4	4.72	31.2	4.36	29.1	4.01
	5	3	37.5	5.25	35.5	4.90	33.4	4.55	31.2	4.20	29.1	3.88
	10	9	37.5	4.94	35.5	4.61	33.4	4.28	31.2	3.97	29.1	3.66
	14	12	37.5	4.66	35.5	4.34	33.4	4.05	31.2	3.74	29.1	3.46
	19	18	37.5	4.08	35.5	3.81	33.4	3.56	31.2	3.30	29.1	3.06
	23	21	37.5	3.88	35.5	3.63	33.4	3.39	31.2	3.16	29.1	2.91
	27	25	37.5	3.53	35.5	3.30	33.4	3.10	31.2	2.88	29.1	2.66
	32	30	37.5	3.30	35.5	3.10	33.4	2.90	31.2	2.69	29.1	2.50
	37	36	37.5	3.12	35.5	2.93	33.4	2.73	31.2	2.55	29.1	2.36
	44	40	37.5	3.00	35.5	2.82	33.4	2.63	31.2	2.45	29.1	2.28
	47	43	37.5	2.85	35.5	2.69	33.4	2.52	31.2	2.35	29.1	2.19
	51	47	37.5	2.74	35.5	2.57	33.4	2.41	31.2	2.24	29.1	2.10
	54	50	37.5	2.64	35.5	2.50	33.4	2.34	31.2	2.18	29.1	2.04
	57	53	37.5	2.56	35.5	2.41	33.4	2.25	31.2	2.11	29.1	1.96
60	56	37.5	2.50	35.5	2.34	33.4	2.21	31.2	2.06	29.1	1.93	

**Table 8. 4TVH0048B100NB (Heating) (continued)**

Combination (%)	Outdoor Temperature (°F)		Indoor Temperature (°F, WB)									
			61		65		70		72		75	
	DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
50	-4	-4.4	31.4	4.89	29.6	4.56	27.8	4.23	26.0	3.92	24.2	3.62
	1	0	31.4	4.39	29.6	4.10	27.8	3.83	26.0	3.55	24.2	3.28
	5	3	31.4	4.23	29.6	3.95	27.8	3.68	26.0	3.42	24.2	3.17
	10	9	31.4	3.99	29.6	3.73	27.8	3.49	26.0	3.23	24.2	3.00
	14	12	31.4	3.77	29.6	3.53	27.8	3.29	26.0	3.06	24.2	2.84
	19	18	31.4	3.32	29.6	3.12	27.8	2.91	26.0	2.71	24.2	2.51
	23	21	31.4	3.17	29.6	2.97	27.8	2.78	26.0	2.58	24.2	2.41
	27	25	31.4	2.89	29.6	2.72	27.8	2.54	26.0	2.38	24.2	2.21
	32	30	31.4	2.71	29.6	2.55	27.8	2.39	26.0	2.23	24.2	2.07
	37	36	31.4	2.56	29.6	2.41	27.8	2.25	26.0	2.11	24.2	1.97
	44	40	31.4	2.46	29.6	2.33	27.8	2.18	26.0	2.05	24.2	1.90
	47	43	31.4	2.36	29.6	2.23	27.8	2.08	26.0	1.95	24.2	1.83
	51	47	31.4	2.25	29.6	2.13	27.8	2.00	26.0	1.88	24.2	1.76
	54	50	31.4	2.19	29.6	2.07	27.8	1.95	26.0	1.83	24.2	1.71
	57	53	31.4	2.12	29.6	2.00	27.8	1.89	26.0	1.77	24.2	1.66
60	56	31.4	2.07	29.6	1.95	27.8	1.83	26.0	1.72	24.2	1.61	

**Notes:**

- TC = Total Capacity (MBH)
- PI = Power Input (kW)



Capacity Tables

# 4TVH0053B100NB

Table 9. 4TVH0053B100NB (Cooling)

Com- bina- tion (%)	Outdoor Temper- ature (°F)	Indoor Temperature (°F, WB)													
		57		61		64		67		69		72		75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
130	50	47.2	2.43	56.2	2.99	65.2	3.55	70.1	3.84	70.8	3.76	72.5	3.60	74.3	3.43
	54	47.2	2.48	56.2	3.04	65.2	3.62	69.0	3.81	69.7	3.74	71.4	3.58	73.2	3.52
	57	47.1	2.53	56.1	3.10	65.1	3.69	67.9	3.80	68.9	3.71	70.7	3.69	72.4	3.71
	61	47.1	2.58	56.0	3.17	65.1	3.76	67.1	3.82	67.8	3.85	69.5	3.89	71.3	3.92
	64	47.0	2.63	56.0	3.22	65.0	4.01	66.0	4.03	66.7	4.05	68.5	4.08	70.2	4.12
	68	47.0	2.68	55.9	3.43	64.2	4.21	64.9	4.22	66.0	4.24	67.7	4.29	69.4	4.33
	70	46.9	2.77	55.9	3.55	63.8	4.30	64.5	4.33	65.5	4.34	66.9	4.38	68.7	4.43
	73	46.9	2.95	55.8	3.81	62.7	4.50	63.4	4.53	64.5	4.55	66.2	4.59	67.9	4.62
	77	46.8	3.16	55.8	4.08	61.7	4.70	62.7	4.72	63.4	4.73	65.1	4.78	66.8	4.83
	81	46.8	3.38	55.7	4.37	60.9	4.89	61.6	4.92	62.6	4.94	64.3	4.98	65.7	5.04
	84	46.7	3.60	55.7	4.67	59.8	5.09	60.8	5.12	61.5	5.14	63.2	5.20	64.9	5.24
	88	46.7	3.84	55.6	4.98	59.1	5.29	59.7	5.31	60.4	5.35	62.1	5.40	63.8	5.46
	91	46.6	4.09	55.6	5.32	58.0	5.50	58.6	5.51	59.7	5.55	61.4	5.61	63.1	5.66
	95	46.5	4.35	55.1	5.62	56.8	5.69	57.8	5.72	58.5	5.75	60.2	5.82	61.9	5.88
	99	45.1	4.41	52.7	5.53	54.4	5.60	55.1	5.62	56.0	5.66	57.4	5.72	59.1	5.78
	102	44.2	4.45	50.7	5.42	52.3	5.48	53.0	5.52	53.9	5.55	55.6	5.61	57.2	5.67
108	44.2	4.71	49.7	5.61	51.3	5.67	52.0	5.71	53.0	5.74	54.9	5.80	56.5	5.87	
111	44.2	4.97	48.7	5.79	50.4	5.85	51.0	5.90	52.0	5.93	54.3	5.99	55.9	6.05	
115	44.2	5.24	47.8	5.98	49.4	6.04	50.0	6.10	51.0	6.12	53.6	6.19	55.2	6.25	

**Table 9. 4TVH0053B100NB (Cooling) (continued)**

Com- bina- tion (%)	Outdoor Temper- ature (°F)	Indoor Temperature (°F, WB)													
		57		61		64		67		69		72		75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
120	50	43.7	2.24	52.1	2.73	60.4	3.23	64.6	3.50	68.7	3.76	71.2	3.71	72.9	3.57
	54	43.7	2.26	52.0	2.78	60.3	3.30	64.5	3.57	68.7	3.84	70.4	3.69	71.8	3.54
	57	43.6	2.31	52.0	2.83	60.3	3.37	64.4	3.64	67.9	3.81	69.3	3.68	71.0	3.69
	61	43.6	2.36	51.9	2.89	60.2	3.43	64.4	3.70	66.8	3.82	68.5	3.86	69.9	3.90
	64	43.6	2.40	51.9	2.94	60.1	3.55	64.3	3.94	65.7	4.02	67.4	4.06	68.8	4.08
	68	43.5	2.45	51.8	3.05	60.1	3.81	64.2	4.21	64.9	4.22	66.3	4.25	68.0	4.29
	70	43.5	2.47	51.8	3.17	60.0	3.95	63.5	4.30	64.2	4.33	65.9	4.35	67.6	4.39
	73	43.4	2.64	51.7	3.39	60.0	4.23	62.7	4.49	63.4	4.51	64.8	4.56	66.5	4.59
	77	43.4	2.82	51.7	3.63	59.9	4.54	61.7	4.70	62.3	4.72	64.0	4.75	65.4	4.80
	81	43.4	3.01	51.6	3.89	59.8	4.86	60.6	4.88	61.6	4.91	63.0	4.96	64.7	4.99
	84	43.3	3.21	51.6	4.14	58.8	5.07	59.8	5.09	60.5	5.10	61.9	5.15	63.6	5.21
	88	43.3	3.43	51.5	4.43	58.0	5.25	58.7	5.29	59.4	5.31	61.1	5.36	62.5	5.41
	91	43.2	3.65	51.5	4.72	56.9	5.46	57.6	5.48	58.6	5.51	60.0	5.56	61.7	5.62
	95	43.1	3.89	51.3	5.03	56.1	5.66	56.8	5.68	57.4	5.72	59.2	5.77	60.5	5.83
	99	41.8	3.92	49.8	5.09	53.4	5.56	54.1	5.60	54.7	5.62	56.4	5.67	58.1	5.73
	102	40.9	3.96	48.7	5.14	51.3	5.45	52.3	5.47	53.0	5.51	54.3	5.56	55.9	5.62
108	40.9	4.21	48.7	5.47	50.4	5.63	51.7	5.66	52.3	5.69	53.3	5.74	54.9	5.82	
111	40.9	4.45	48.7	5.79	49.4	5.82	51.0	5.84	51.7	5.87	52.3	5.93	53.9	6.00	
115	40.9	4.69	48.7	6.11	48.4	5.99	50.4	6.03	51.0	6.05	51.3	6.10	53.0	6.20	



# Capacity Tables

**Table 9. 4TVH0053B100NB (Cooling) (continued)**

Com- bina- tion (%)	Outdoor Temper- ature (°F)	Indoor Temperature (°F, WB)													
		57		61		64		67		69		72		75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
110	50	39.9	2.02	47.6	2.47	55.2	2.93	59.4	3.17	63.2	3.41	70.1	3.82	71.5	3.69
	54	39.9	2.07	47.5	2.52	55.1	2.99	59.3	3.22	63.1	3.47	69.0	3.81	70.4	3.68
	57	39.8	2.10	47.5	2.56	55.1	3.04	59.2	3.30	63.1	3.54	68.3	3.79	69.6	3.68
	61	39.8	2.13	47.4	2.61	55.0	3.10	59.2	3.34	63.0	3.60	67.1	3.84	68.5	3.86
	64	39.8	2.18	47.4	2.66	54.9	3.17	59.1	3.44	62.9	3.79	66.0	4.03	67.8	4.07
	68	39.7	2.23	47.3	2.72	54.9	3.34	59.1	3.70	62.8	4.07	65.3	4.23	66.6	4.27
	70	39.7	2.25	47.3	2.79	54.8	3.47	59.0	3.82	62.8	4.22	64.9	4.33	66.2	4.35
	73	39.6	2.35	47.2	3.00	54.8	3.71	58.9	4.11	62.4	4.49	63.8	4.53	65.1	4.56
	77	39.6	2.51	47.2	3.20	54.7	3.98	58.9	4.40	61.3	4.69	62.7	4.72	64.0	4.76
	81	39.6	2.67	47.1	3.43	54.7	4.25	58.8	4.72	60.6	4.88	61.9	4.92	63.3	4.97
	84	39.5	2.85	47.1	3.65	54.6	4.55	58.8	5.04	59.5	5.08	60.8	5.12	62.2	5.16
	88	39.5	3.04	47.0	3.90	54.6	4.86	57.7	5.25	58.4	5.28	59.7	5.32	61.4	5.36
	91	39.4	3.23	47.0	4.16	54.5	5.19	56.9	5.45	57.6	5.47	59.0	5.52	60.4	5.57
	95	39.3	3.43	46.8	4.43	54.4	5.53	55.7	5.64	56.4	5.67	57.8	5.73	59.2	5.77
	99	38.2	3.47	45.4	4.46	52.4	5.52	53.1	5.56	53.7	5.58	55.4	5.63	56.7	5.68
	102	37.4	3.49	44.5	4.51	50.7	5.41	51.3	5.45	52.0	5.47	53.3	5.52	54.6	5.57
108	37.4	3.71	44.5	4.78	50.0	5.60	50.7	5.63	51.3	5.64	52.3	5.71	53.6	5.75	
111	37.4	3.92	44.5	5.05	49.4	5.78	50.0	5.82	50.7	5.83	51.3	5.88	52.6	5.93	
115	37.4	4.13	44.5	5.32	48.7	5.96	49.4	5.99	50.0	6.01	50.4	6.06	51.7	6.11	

**Table 9. 4TVH0053B100NB (Cooling) (continued)**

Com- bina- tion (%)	Outdoor Temper- ature (°F)	Indoor Temperature (°F, WB)													
		57		61		64		67		69		72		75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
100	50	36.5	1.83	43.4	2.21	50.3	2.63	53.8	2.83	57.3	3.05	64.2	3.48	70.1	3.81
	54	36.4	1.86	43.4	2.26	50.3	2.67	53.8	2.89	57.2	3.11	64.1	3.55	69.3	3.80
	57	36.4	1.88	43.3	2.30	50.2	2.73	53.7	2.94	57.1	3.17	64.1	3.62	68.3	3.78
	61	36.3	1.92	43.3	2.34	50.2	2.78	53.6	3.00	57.1	3.22	64.0	3.69	67.1	3.84
	64	36.3	1.97	43.2	2.39	50.1	2.83	53.6	3.06	57.0	3.30	63.9	3.90	66.4	4.03
	68	36.3	2.00	43.2	2.43	50.1	2.91	53.5	3.21	57.0	3.53	63.9	4.21	65.3	4.23
	70	36.2	2.02	43.1	2.46	50.0	3.03	53.5	3.32	56.9	3.65	63.5	4.30	64.9	4.33
	73	36.2	2.07	43.1	2.62	50.0	3.23	53.4	3.57	56.9	3.92	62.4	4.49	63.8	4.53
	77	36.1	2.21	43.0	2.79	49.9	3.46	53.4	3.81	56.8	4.21	61.7	4.70	63.0	4.72
	81	36.1	2.36	43.0	2.99	49.9	3.69	53.3	4.08	56.8	4.49	60.6	4.88	61.9	4.93
	84	36.1	2.51	42.9	3.18	49.8	3.95	53.3	4.37	56.7	4.80	59.8	5.09	60.8	5.12
	88	36.0	2.67	42.9	3.41	49.8	4.21	53.2	4.66	56.7	5.12	58.7	5.28	60.1	5.32
	91	36.0	2.84	42.9	3.62	49.7	4.49	53.2	4.98	56.6	5.44	57.6	5.48	59.0	5.52
	95	35.9	3.03	42.7	3.85	49.6	4.80	53.0	5.30	55.4	5.63	56.8	5.68	57.8	5.73
	99	34.8	3.04	41.5	3.90	48.1	4.86	51.4	5.36	52.7	5.55	54.1	5.60	55.4	5.63
	102	34.1	3.06	40.6	3.92	47.1	4.89	50.4	5.41	51.0	5.42	52.0	5.47	53.3	5.53
108	34.1	3.25	40.6	4.16	47.1	5.19	50.4	5.73	50.4	5.60	51.0	5.66	52.3	5.72	
111	34.1	3.43	40.6	4.39	47.1	5.47	50.4	6.05	49.7	5.77	50.0	5.84	51.3	5.91	
115	34.1	3.60	40.6	4.62	47.1	5.77	50.4	6.38	49.1	5.94	49.1	6.03	50.4	6.10	



# Capacity Tables

**Table 9. 4TVH0053B100NB (Cooling) (continued)**

Com- bina- tion (%)	Outdoor Temper- ature (°F)	Indoor Temperature (°F, WB)													
		57		61		64		67		69		72		75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
90	50	32.7	1.64	38.9	1.98	45.1	2.32	48.6	2.52	51.7	2.69	58.0	3.09	64.2	3.48
	54	32.6	1.66	38.8	2.00	45.1	2.37	48.6	2.56	51.7	2.75	57.9	3.15	64.1	3.54
	57	32.6	1.70	38.8	2.04	45.0	2.41	48.5	2.61	51.6	2.80	57.9	3.20	64.1	3.60
	61	32.6	1.72	38.7	2.08	45.0	2.46	48.5	2.66	51.6	2.85	57.8	3.27	64.0	3.69
	64	32.5	1.75	38.7	2.13	44.9	2.51	48.4	2.71	51.5	2.91	57.7	3.33	63.9	3.89
	68	32.5	1.78	38.7	2.15	44.9	2.56	48.3	2.77	51.5	3.03	57.7	3.58	63.9	4.18
	70	32.4	1.80	38.6	2.18	44.9	2.61	48.3	2.87	51.4	3.14	57.6	3.70	63.5	4.30
	73	32.4	1.83	38.6	2.26	44.8	2.78	48.2	3.06	51.4	3.36	57.5	3.97	62.4	4.49
	77	32.4	1.93	38.6	2.42	44.8	2.98	48.2	3.28	51.3	3.59	57.5	4.25	61.7	4.70
	81	32.4	2.05	38.5	2.58	44.7	3.17	48.1	3.50	51.3	3.84	57.4	4.56	60.6	4.88
	84	32.3	2.19	38.5	2.77	44.7	3.39	48.1	3.74	51.2	4.09	57.4	4.87	59.5	5.09
	88	32.3	2.32	38.4	2.93	44.6	3.62	48.1	3.98	51.2	4.37	57.3	5.20	58.7	5.28
	91	32.3	2.47	38.4	3.12	44.6	3.85	48.0	4.24	51.1	4.66	56.6	5.45	57.6	5.48
	95	32.2	2.63	38.3	3.32	44.5	4.11	47.9	4.53	50.9	4.98	55.4	5.63	56.8	5.68
	99	31.2	2.64	37.1	3.36	43.1	4.14	46.4	4.57	49.4	5.03	53.1	5.55	54.1	5.60
	102	30.6	2.66	36.4	3.37	42.2	4.18	45.5	4.62	48.4	5.08	51.0	5.44	52.0	5.47
108	30.6	2.80	36.4	3.57	42.2	4.44	45.5	4.91	48.4	5.40	50.0	5.62	51.0	5.66	
111	30.6	2.96	36.4	3.76	42.2	4.69	45.5	5.19	48.4	5.71	49.1	5.80	50.0	5.84	
115	30.6	3.11	36.4	3.95	42.2	4.94	45.5	5.47	48.4	6.03	48.1	5.99	49.1	6.03	

**Table 9. 4TVH0053B100NB (Cooling) (continued)**

Com- bina- tion (%)	Outdoor Temper- ature (°F)	Indoor Temperature (°F, WB)													
		57		61		64		67		69		72		75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
80	50	29.1	1.45	34.7	1.75	40.2	2.04	43.0	2.20	45.8	2.36	51.4	2.69	56.9	3.04
	54	29.0	1.48	34.7	1.76	40.2	2.08	43.0	2.24	45.8	2.40	51.3	2.74	56.9	3.09
	57	29.0	1.49	34.6	1.80	40.2	2.12	42.9	2.27	45.7	2.45	51.3	2.79	56.8	3.15
	61	29.0	1.52	34.6	1.83	40.1	2.15	42.9	2.32	45.7	2.50	51.2	2.85	56.8	3.21
	64	28.9	1.55	34.6	1.87	40.1	2.20	42.9	2.37	45.6	2.55	51.2	2.91	56.7	3.28
	68	28.9	1.59	34.5	1.89	40.1	2.24	42.8	2.41	45.6	2.59	51.1	3.01	56.6	3.50
	70	28.9	1.60	34.5	1.92	40.0	2.26	42.8	2.43	45.5	2.66	51.1	3.12	56.6	3.63
	73	28.9	1.61	34.5	1.96	40.0	2.37	42.7	2.59	45.5	2.83	51.0	3.34	56.5	3.89
	77	28.8	1.67	34.4	2.08	39.9	2.53	42.7	2.78	45.4	3.04	50.9	3.57	56.5	4.17
	81	28.8	1.78	34.4	2.21	39.9	2.71	42.6	2.96	45.4	3.23	50.9	3.81	56.4	4.46
	84	28.8	1.89	34.4	2.36	39.9	2.88	42.6	3.16	45.4	3.46	50.8	4.08	56.4	4.76
	88	28.7	2.00	34.3	2.51	39.8	3.06	42.6	3.37	45.3	3.69	50.8	4.35	56.3	5.09
	91	28.7	2.13	34.3	2.67	39.8	3.27	42.5	3.58	45.3	3.92	50.7	4.65	56.2	5.44
	95	28.6	2.26	34.2	2.83	39.7	3.47	42.4	3.81	45.1	4.18	50.6	4.96	55.4	5.63
	99	27.8	2.27	33.2	2.85	38.5	3.50	41.1	3.86	43.8	4.23	49.1	5.02	52.7	5.53
	102	27.2	2.29	32.5	2.87	37.7	3.54	40.3	3.89	42.9	4.27	48.1	5.07	51.0	5.42
108	27.2	2.41	32.5	3.04	37.7	3.75	40.3	4.12	42.9	4.53	48.1	5.37	50.4	5.61	
111	27.2	2.55	32.5	3.20	37.7	3.96	40.3	4.35	42.9	4.80	48.1	5.69	49.7	5.79	
115	27.2	2.68	32.5	3.36	37.7	4.17	40.3	4.59	42.9	5.05	48.1	6.00	49.1	5.98	



# Capacity Tables

**Table 9. 4TVH0053B100NB (Cooling) (continued)**

Com- bina- tion (%)	Outdoor Temper- ature (°F)	Indoor Temperature (°F, WB)													
		57		61		64		67		69		72		75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
70	50	25.4	1.28	30.3	1.51	35.0	1.76	37.8	1.89	40.2	2.03	45.1	2.31	50.0	2.61
	54	25.4	1.29	30.3	1.54	35.0	1.80	37.8	1.93	40.2	2.07	45.1	2.36	49.9	2.66
	57	25.4	1.32	30.2	1.56	35.0	1.83	37.7	1.97	40.2	2.12	45.0	2.40	49.9	2.69
	61	25.3	1.34	30.2	1.60	34.9	1.87	37.7	2.00	40.1	2.14	45.0	2.45	49.8	2.75
	64	25.3	1.35	30.2	1.61	34.9	1.89	37.7	2.04	40.1	2.19	44.9	2.50	49.8	2.80
	68	25.3	1.38	30.2	1.65	34.9	1.93	37.6	2.08	40.1	2.24	44.9	2.53	49.7	2.89
	70	25.3	1.39	30.1	1.66	34.8	1.96	37.6	2.10	40.0	2.26	44.9	2.58	49.7	2.99
	73	25.2	1.41	30.1	1.70	34.8	1.99	37.6	2.16	40.0	2.36	44.8	2.77	49.6	3.20
	77	25.2	1.45	30.1	1.76	34.8	2.13	37.5	2.31	39.9	2.52	44.8	2.95	49.6	3.43
	81	25.2	1.52	30.0	1.87	34.7	2.26	37.5	2.47	39.9	2.69	44.7	3.16	49.5	3.66
	84	25.2	1.61	30.0	2.00	34.7	2.41	37.4	2.63	39.9	2.87	44.7	3.37	49.5	3.91
	88	25.1	1.72	30.0	2.13	34.7	2.56	37.4	2.80	39.8	3.05	44.6	3.58	49.4	4.17
	91	25.1	1.82	30.0	2.25	34.6	2.73	37.4	2.99	39.8	3.25	44.6	3.81	49.4	4.45
	95	25.0	1.93	29.9	2.39	34.5	2.90	37.3	3.17	39.7	3.46	44.5	4.07	49.2	4.73
	99	24.3	1.94	29.0	2.40	33.5	2.93	36.1	3.20	38.5	3.49	43.1	4.12	47.8	4.78
	102	23.8	1.94	28.3	2.41	32.8	2.94	35.4	3.22	37.7	3.52	42.2	4.16	46.8	4.83
108	23.8	2.04	28.3	2.56	32.8	3.11	35.4	3.42	37.7	3.73	42.2	4.40	46.8	5.13	
111	23.8	2.14	28.3	2.69	32.8	3.28	35.4	3.60	37.7	3.95	42.2	4.66	46.8	5.41	
115	23.8	2.24	28.3	2.84	32.8	3.46	35.4	3.80	37.7	4.16	42.2	4.91	46.8	5.71	

**Table 9. 4TVH0053B100NB (Cooling) (continued)**

Com- bina- tion (%)	Outdoor Temper- ature (°F)	Indoor Temperature (°F, WB)													
		57		61		64		67		69		72		75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
60	50	21.8	1.11	26.0	1.30	30.2	1.50	32.3	1.61	34.4	1.73	38.5	1.96	42.7	2.19
	54	21.8	1.12	26.0	1.33	30.2	1.52	32.2	1.64	34.3	1.75	38.5	1.99	42.6	2.23
	57	21.7	1.14	26.0	1.35	30.1	1.56	32.2	1.67	34.3	1.78	38.4	2.02	42.6	2.26
	61	21.7	1.16	25.9	1.36	30.1	1.59	32.2	1.70	34.3	1.82	38.4	2.05	42.6	2.31
	64	21.7	1.18	25.9	1.39	30.1	1.61	32.1	1.73	34.2	1.86	38.4	2.10	42.5	2.36
	68	21.7	1.19	25.9	1.41	30.1	1.64	32.1	1.76	34.2	1.88	38.3	2.13	42.5	2.40
	70	21.7	1.21	25.9	1.43	30.0	1.66	32.1	1.77	34.2	1.89	38.3	2.15	42.4	2.42
	73	21.6	1.23	25.8	1.45	30.0	1.68	32.0	1.81	34.1	1.94	38.3	2.25	42.4	2.57
	77	21.6	1.24	25.8	1.48	30.0	1.75	32.0	1.91	34.1	2.05	38.2	2.39	42.4	2.75
	81	21.6	1.29	25.7	1.56	29.9	1.87	32.0	2.02	34.1	2.19	38.2	2.55	42.3	2.94
	84	21.6	1.36	25.7	1.66	29.9	1.99	32.0	2.15	34.0	2.34	38.2	2.72	42.3	3.14
	88	21.6	1.45	25.7	1.76	29.9	2.12	31.9	2.29	34.0	2.48	38.1	2.90	42.2	3.33
	91	21.5	1.52	25.7	1.87	29.9	2.24	31.9	2.43	34.0	2.64	38.1	3.07	42.2	3.55
	95	21.5	1.61	25.6	1.98	29.7	2.37	31.8	2.58	33.9	2.80	38.0	3.28	42.1	3.79
	99	20.8	1.62	24.9	1.98	28.9	2.39	30.8	2.61	32.8	2.83	36.8	3.31	40.8	3.82
	102	20.4	1.62	24.3	1.99	28.3	2.40	30.2	2.62	32.2	2.85	36.1	3.33	40.0	3.85
108	20.4	1.72	24.3	2.10	28.3	2.52	30.2	2.77	32.2	3.03	36.1	3.54	40.0	4.07	
111	20.4	1.81	24.3	2.21	28.3	2.66	30.2	2.93	32.2	3.20	36.1	3.74	40.0	4.29	
115	20.4	1.91	24.3	2.32	28.3	2.79	30.2	3.07	32.2	3.37	36.1	3.95	40.0	4.51	



# Capacity Tables

**Table 9. 4TVH0053B100NB (Cooling) (continued)**

Com- bina- tion (%)	Outdoor Temper- ature (°F)	Indoor Temperature (°F, WB)													
		57		61		64		67		69		72		75	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
50	50	18.2	0.96	21.6	1.09	25.2	1.27	26.9	1.35	28.6	1.43	32.1	1.61	35.7	1.78
	54	18.1	0.97	21.6	1.12	25.1	1.28	26.9	1.36	28.6	1.46	32.1	1.64	35.7	1.82
	57	18.1	0.97	21.6	1.13	25.1	1.30	26.8	1.39	28.6	1.49	32.1	1.66	35.7	1.86
	61	18.1	0.98	21.6	1.16	25.1	1.33	26.8	1.41	28.6	1.50	32.0	1.70	35.6	1.88
	64	18.1	1.01	21.6	1.17	25.1	1.35	26.8	1.44	28.5	1.52	32.0	1.72	35.6	1.92
	68	18.1	1.02	21.5	1.19	25.0	1.36	26.8	1.46	28.5	1.56	32.0	1.75	35.6	1.96
	70	18.1	1.03	21.5	1.21	25.0	1.38	26.7	1.48	28.4	1.57	31.9	1.77	35.5	1.98
	73	18.0	1.05	21.5	1.22	25.0	1.40	26.7	1.50	28.4	1.60	31.9	1.81	35.5	2.02
	77	18.0	1.06	21.5	1.23	25.0	1.43	26.7	1.52	28.4	1.65	31.9	1.89	35.5	2.15
	81	18.0	1.08	21.5	1.28	24.9	1.50	26.7	1.62	28.4	1.75	31.9	2.02	35.4	2.30
	84	18.0	1.13	21.4	1.35	24.9	1.60	26.6	1.73	28.3	1.87	31.8	2.14	35.4	2.45
	88	18.0	1.21	21.4	1.44	24.9	1.70	26.6	1.83	28.3	1.98	31.8	2.27	35.4	2.61
	91	18.0	1.27	21.4	1.52	24.9	1.80	26.6	1.94	28.3	2.10	31.8	2.42	35.3	2.78
	95	17.9	1.34	21.3	1.61	24.8	1.89	26.5	2.05	28.2	2.23	31.7	2.57	35.2	2.94
	99	17.3	1.34	20.7	1.61	24.0	1.91	25.7	2.07	27.4	2.24	30.7	2.59	34.2	2.96
	102	17.0	1.34	20.3	1.61	23.6	1.92	25.2	2.08	26.8	2.24	30.1	2.61	33.5	2.99
108	17.0	1.41	20.3	1.71	23.6	2.03	25.2	2.20	26.8	2.36	30.1	2.75	33.5	3.17	
111	17.0	1.49	20.3	1.80	23.6	2.14	25.2	2.32	26.8	2.48	30.1	2.91	33.5	3.36	
115	17.0	1.56	20.3	1.89	23.6	2.25	25.2	2.45	26.8	2.61	30.1	3.06	33.5	3.54	

**Notes:**

- TC = Total Capacity (MBH)
- PI = Power Input (kW)

**Table 10. 4TVH0053B100NB (Heating)**

Combi. (%)	Outdoor Temperature (° F)		Indoor Temperature (°F, WB)									
			61		65		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
130	-4	-4.4	39.4	3.44	39.4	3.71	39.1	3.99	39.1	4.24	38.7	4.51
	1	0	42.9	3.86	42.9	4.10	42.6	4.34	42.6	4.59	42.2	4.83
	5	3	45.4	4.21	45.0	4.44	45.0	4.70	44.7	4.93	44.7	5.17
	10	9	47.5	4.43	47.5	4.66	47.5	4.88	47.1	5.10	47.1	5.34
	14	12	49.9	4.64	49.9	4.85	49.6	5.06	49.6	5.29	49.2	5.50
	19	18	53.7	4.75	53.7	4.94	53.7	5.14	53.4	5.33	53.4	5.52
	23	21	56.2	4.90	56.2	5.09	55.8	5.28	55.8	5.45	55.5	5.63
	27	25	58.3	4.78	58.3	4.96	58.3	5.13	58.0	5.30	58.0	5.47
	32	30	61.8	4.97	61.8	5.14	61.8	5.29	61.4	5.45	61.4	5.61
	37	36	65.3	5.13	65.3	5.28	64.9	5.44	64.9	5.58	64.6	5.73
	44	40	67.4	5.23	67.4	5.36	67.4	5.51	67.0	5.67	67.0	5.81
	47	43	69.8	5.25	69.5	5.39	69.5	5.54	69.5	5.68	69.1	5.82
	51	47	71.9	5.28	71.9	5.41	71.6	5.55	71.6	5.68	71.2	5.81
	54	50	74.0	5.36	74.0	5.50	74.0	5.62	73.6	5.76	71.2	5.58
57	53	76.5	5.44	76.5	5.56	76.1	5.68	76.1	5.81	71.2	5.38	
60	56	78.9	5.51	78.6	5.63	78.6	5.76	76.5	5.66	71.2	5.19	
120	-4	-4.4	39.1	3.81	39.1	4.05	39.1	4.29	38.7	4.55	38.7	4.80
	1	0	42.6	4.18	42.6	4.42	42.6	4.64	42.2	4.87	42.2	5.10
	5	3	45.0	4.53	45.0	4.76	44.7	4.97	44.7	5.19	44.7	5.42
	10	9	47.5	4.74	47.1	4.94	47.1	5.15	47.1	5.38	46.8	5.57
	14	12	49.6	4.92	49.6	5.12	49.6	5.33	49.2	5.52	49.2	5.72
	19	18	53.7	5.01	53.4	5.19	53.4	5.36	53.4	5.54	53.1	5.72
	23	21	56.2	5.15	55.8	5.33	55.8	5.49	55.5	5.66	55.5	5.83
	27	25	58.3	5.02	58.0	5.18	58.0	5.33	58.0	5.50	57.6	5.65
	32	30	61.8	5.19	61.8	5.33	61.4	5.49	61.4	5.63	61.1	5.78
	37	36	65.3	5.33	64.9	5.47	64.9	5.61	64.6	5.74	64.6	5.88
	44	40	67.4	5.42	67.4	5.55	67.0	5.68	67.0	5.83	65.6	5.81
	47	43	69.5	5.45	69.5	5.57	69.1	5.70	69.1	5.84	65.6	5.52
	51	47	71.9	5.46	71.6	5.58	71.6	5.71	70.5	5.73	65.6	5.26
	54	50	74.0	5.54	74.0	5.66	73.6	5.78	70.5	5.52	65.6	5.07
57	53	76.5	5.61	76.1	5.72	75.4	5.77	70.5	5.31	65.6	4.88	
60	56	78.6	5.67	78.6	5.79	75.4	5.56	70.5	5.13	65.6	4.72	



# Capacity Tables

**Table 10. 4TVH0053B100NB (Heating) (continued)**

Combi. (%)	Outdoor Temperature (° F)		Indoor Temperature (°F, WB)									
			61		65		70		72		75	
	DB	WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
			MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
110	-4	-4.4	39.1	4.16	39.1	4.39	38.7	4.63	38.7	4.85	38.4	5.08
	1	0	42.6	4.51	42.6	4.72	42.2	4.93	42.2	5.15	42.2	5.36
	5	3	45.0	4.86	44.7	5.06	44.7	5.26	44.7	5.46	44.3	5.67
	10	9	47.1	5.04	47.1	5.24	47.1	5.44	46.8	5.62	46.8	5.81
	14	12	49.6	5.20	49.6	5.40	49.2	5.58	49.2	5.76	49.2	5.95
	19	18	53.4	5.28	53.4	5.42	53.4	5.60	53.1	5.76	53.1	5.93
	23	21	55.8	5.39	55.8	5.55	55.5	5.71	55.5	5.87	55.5	6.03
	27	25	58.0	5.25	58.0	5.39	58.0	5.54	57.6	5.68	57.6	5.82
	32	30	61.4	5.40	61.4	5.54	61.4	5.68	61.1	5.81	60.4	5.82
	37	36	64.9	5.54	64.9	5.67	64.6	5.79	64.6	5.92	60.4	5.45
	44	40	67.0	5.62	67.0	5.73	67.0	5.87	64.6	5.68	60.4	5.23
	47	43	69.5	5.63	69.1	5.76	69.1	5.87	64.6	5.41	60.4	4.97
	51	47	71.6	5.65	71.6	5.77	69.1	5.58	64.6	5.15	60.4	4.74
	54	50	73.6	5.71	73.6	5.81	69.1	5.39	64.6	4.98	60.4	4.58
57	53	76.1	5.78	73.6	5.60	69.1	5.19	64.6	4.80	60.4	4.42	
60	56	77.8	5.81	73.6	5.40	69.1	5.01	64.6	4.64	60.4	4.27	
100	-4	-4.4	38.7	4.53	38.7	4.74	38.7	4.94	38.4	5.15	38.4	5.36
	1	0	42.2	4.86	42.2	5.04	41.4	5.24	41.9	5.42	41.9	5.61
	5	3	44.7	5.18	44.7	5.36	43.5	5.55	44.3	5.73	44.3	5.92
	10	9	47.1	5.35	46.8	5.52	45.9	5.70	46.8	5.88	46.4	6.05
	14	12	49.2	5.51	49.2	5.67	48.3	5.83	48.9	6.02	48.9	6.17
	19	18	53.4	5.52	53.1	5.68	51.5	5.83	53.1	5.98	52.7	6.11
	23	21	55.5	5.65	55.5	5.79	53.9	5.94	55.1	6.06	54.8	6.14
	27	25	58.0	5.49	57.6	5.61	55.9	5.73	57.6	5.87	54.8	5.57
	32	30	61.4	5.62	61.1	5.73	59.3	5.87	58.6	5.65	54.8	5.18
	37	36	64.6	5.73	64.6	5.87	61.0	5.73	58.6	5.29	54.8	4.86
	44	40	67.0	5.82	66.7	5.93	61.0	5.50	58.6	5.08	54.8	4.67
	47	43	69.1	5.83	67.0	5.65	61.0	5.40	58.6	4.83	54.8	4.44
	51	47	70.9	5.77	67.0	5.38	61.6	4.99	58.6	4.61	54.8	4.24
	54	50	70.9	5.55	67.0	5.18	61.6	4.81	58.6	4.44	54.8	4.11
57	53	70.9	5.35	67.0	4.99	61.6	4.64	58.6	4.29	54.8	3.96	
60	56	70.9	5.17	67.0	4.82	61.6	4.48	58.6	4.16	54.8	3.84	

**Table 10. 4TVH0053B100NB (Heating) (continued)**

Combi. (%)	Outdoor Temperature (° F)		Indoor Temperature (°F, WB)									
			61		65		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
90	-4	-4.4	38.7	4.90	38.4	5.08	38.4	5.28	38.4	5.46	38.4	5.63
	1	0	42.2	5.19	42.2	5.36	41.9	5.54	41.9	5.70	41.9	5.87
	5	3	44.3	5.51	44.3	5.67	44.3	5.83	44.3	6.00	44.0	6.16
	10	9	46.8	5.66	46.8	5.81	46.8	5.98	46.4	6.14	46.4	6.29
	14	12	49.2	5.79	49.2	5.95	48.9	6.10	48.9	6.25	48.9	6.40
	19	18	53.1	5.79	53.1	5.93	53.1	6.05	52.7	6.19	49.2	5.70
	23	21	55.5	5.90	55.5	6.03	55.1	6.15	53.1	5.89	49.2	5.40
	27	25	57.6	5.70	57.6	5.83	56.6	5.79	53.1	5.34	49.2	4.91
	32	30	61.1	5.83	60.1	5.81	56.6	5.39	53.1	4.97	49.2	4.59
	37	36	63.9	5.84	60.1	5.44	56.6	5.04	53.1	4.67	49.2	4.31
	44	40	63.9	5.60	60.1	5.22	56.6	4.85	53.1	4.49	49.2	4.13
	47	43	63.9	5.34	60.1	4.97	56.6	4.61	53.1	4.28	49.2	3.95
	51	47	63.9	5.08	60.1	4.74	56.6	4.42	53.1	4.08	49.2	3.76
	54	50	63.9	4.90	60.1	4.58	56.6	4.26	53.1	3.95	49.2	3.64
57	53	63.9	4.71	60.1	4.42	56.6	4.11	53.1	3.81	49.2	3.52	
60	56	63.9	4.56	60.1	4.27	56.6	3.97	53.1	3.69	49.2	3.41	
80	-4	-4.4	38.4	5.26	38.4	5.42	38.4	5.58	38.1	5.76	38.1	5.92
	1	0	41.9	5.52	41.9	5.66	41.9	5.82	41.5	5.97	41.5	6.13
	5	3	44.3	5.82	44.3	5.98	44.0	6.13	44.0	6.27	43.6	6.38
	10	9	46.8	5.97	46.4	6.11	46.4	6.25	46.4	6.38	43.6	5.99
	14	12	48.9	6.09	48.9	6.22	48.9	6.36	47.1	6.15	43.6	5.65
	19	18	53.1	6.04	52.7	6.16	50.3	5.83	47.1	5.38	43.6	4.96
	23	21	55.1	6.14	53.4	5.97	50.3	5.54	47.1	5.12	43.6	4.70
	27	25	56.9	5.82	53.4	5.41	50.3	5.03	47.1	4.65	43.6	4.28
	32	30	56.9	5.41	53.4	5.04	50.3	4.69	47.1	4.34	43.6	4.01
	37	36	56.9	5.07	53.4	4.74	50.3	4.40	47.1	4.07	43.6	3.76
	44	40	56.9	4.87	53.4	4.55	50.3	4.24	47.1	3.92	43.6	3.63
	47	43	56.9	4.64	53.4	4.33	50.3	4.03	47.1	3.75	43.6	3.47
	51	47	56.9	4.43	53.4	4.15	50.3	3.86	47.1	3.58	43.6	3.32
	54	50	56.9	4.27	53.4	4.00	50.3	3.73	47.1	3.47	43.6	3.21
57	53	56.9	4.12	53.4	3.86	50.3	3.60	47.1	3.35	43.6	3.10	
60	56	56.9	3.99	53.4	3.74	50.3	3.48	47.1	3.25	43.6	3.01	



# Capacity Tables

**Table 10. 4TVH0053B100NB (Heating) (continued)**

Combi. (%)	Outdoor Temperature (° F)		Indoor Temperature (°F, WB)									
			61		65		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
70	-4	-4.4	38.4	5.62	38.1	5.77	38.1	5.90	38.1	6.05	38.1	6.20
	1	0	41.9	5.84	41.5	5.98	41.5	6.11	41.2	6.15	38.4	5.65
	5	3	44.0	6.15	44.0	6.27	44.0	6.41	41.2	5.93	38.4	5.44
	10	9	46.4	6.27	46.4	6.40	44.0	6.03	41.2	5.56	38.4	5.10
	14	12	48.9	6.38	46.8	6.11	44.0	5.67	41.2	5.25	38.4	4.83
	19	18	49.6	5.74	46.8	5.35	44.0	4.98	41.2	4.61	38.4	4.24
	23	21	49.6	5.45	46.8	5.09	44.0	4.72	41.2	4.38	38.4	4.05
	27	25	49.6	4.96	46.8	4.63	44.0	4.31	41.2	4.00	38.4	3.69
	32	30	49.6	4.61	46.8	4.32	44.0	4.02	41.2	3.73	38.4	3.46
	37	36	49.6	4.34	46.8	4.06	44.0	3.79	41.2	3.52	38.4	3.26
	44	40	49.6	4.17	46.8	3.90	44.0	3.65	41.2	3.38	38.4	3.15
	47	43	49.6	3.97	46.8	3.73	44.0	3.48	41.2	3.24	38.4	3.01
	51	47	49.6	3.80	46.8	3.57	44.0	3.33	41.2	3.10	38.4	2.88
	54	50	49.6	3.68	46.8	3.44	44.0	3.21	41.2	3.00	38.4	2.79
57	53	49.6	3.55	46.8	3.33	44.0	3.11	41.2	2.90	38.4	2.69	
60	56	49.6	3.44	46.8	3.22	44.0	3.03	41.2	2.82	38.4	2.62	
60	-4	-4.4	38.1	5.99	38.1	6.11	37.7	6.17	35.2	5.68	32.8	5.24
	1	0	41.5	6.19	40.2	5.97	37.7	5.55	35.2	5.12	32.8	4.71
	5	3	42.6	6.16	40.2	5.73	37.7	5.34	35.2	4.93	32.8	4.54
	10	9	42.6	5.78	40.2	5.40	37.7	5.02	35.2	4.65	32.8	4.29
	14	12	42.6	5.45	40.2	5.08	37.7	4.74	35.2	4.39	32.8	4.06
	19	18	42.6	4.78	40.2	4.48	37.7	4.17	35.2	3.87	32.8	3.58
	23	21	42.6	4.55	40.2	4.26	37.7	3.96	35.2	3.69	32.8	3.42
	27	25	42.6	4.15	40.2	3.87	37.7	3.62	35.2	3.36	32.8	3.12
	32	30	42.6	3.87	40.2	3.63	37.7	3.39	35.2	3.16	32.8	2.94
	37	36	42.6	3.65	40.2	3.42	37.7	3.20	35.2	2.98	32.8	2.78
	44	40	42.6	3.52	40.2	3.30	37.7	3.09	35.2	2.88	32.8	2.67
	47	43	42.6	3.36	40.2	3.16	37.7	2.95	35.2	2.76	32.8	2.57
	51	47	42.6	3.21	40.2	3.01	37.7	2.83	35.2	2.64	32.8	2.46
	54	50	42.6	3.10	40.2	2.93	37.7	2.74	35.2	2.56	32.8	2.39
57	53	42.6	3.01	40.2	2.83	37.7	2.66	35.2	2.48	32.8	2.31	
60	56	42.6	2.93	40.2	2.74	37.7	2.57	35.2	2.41	32.8	2.25	

**Table 10. 4TVH0053B100NB (Heating) (continued)**

Combi. (%)	Outdoor Temperature (° F)		Indoor Temperature (°F, WB)									
			61		65		70		72		75	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	DB	WB	MBH	kW	MBH	kW	MBH	kW	MBH	kW	MBH	kW
50	-4	-4.4	35.6	5.72	33.4	5.35	31.4	4.97	29.4	4.60	27.4	4.23
	1	0	35.6	5.15	33.4	4.81	31.4	4.48	29.4	4.15	27.4	3.84
	5	3	35.6	4.96	33.4	4.65	31.4	4.32	29.4	4.02	27.4	3.71
	10	9	35.6	4.67	33.4	4.37	31.4	4.08	29.4	3.79	27.4	3.52
	14	12	35.6	4.42	33.4	4.13	31.4	3.86	29.4	3.59	27.4	3.32
	19	18	35.6	3.90	33.4	3.65	31.4	3.41	29.4	3.19	27.4	2.95
	23	21	35.6	3.71	33.4	3.48	31.4	3.26	29.4	3.04	27.4	2.83
	27	25	35.6	3.38	33.4	3.17	31.4	2.98	29.4	2.78	27.4	2.58
	32	30	35.6	3.17	33.4	2.98	31.4	2.79	29.4	2.62	27.4	2.44
	37	36	35.6	2.99	33.4	2.82	31.4	2.64	29.4	2.47	27.4	2.31
	44	40	35.6	2.89	33.4	2.73	31.4	2.56	29.4	2.40	27.4	2.24
	47	43	35.6	2.77	33.4	2.61	31.4	2.45	29.4	2.29	27.4	2.14
	51	47	35.6	2.66	33.4	2.51	31.4	2.35	29.4	2.20	27.4	2.07
	54	50	35.6	2.57	33.4	2.42	31.4	2.28	29.4	2.14	27.4	1.99
	57	53	35.6	2.50	33.4	2.36	31.4	2.21	29.4	2.08	27.4	1.94
60	56	35.6	2.42	33.4	2.29	31.4	2.15	29.4	2.02	27.4	1.89	

**Notes:**

- TC = Total Capacity (MBH)
- PI = Power Input (kW)



Trane optimizes the performance of homes and buildings around the world. A business of Ingersoll Rand, the leader in creating and sustaining safe, comfortable and energy efficient environments, Trane offers a broad portfolio of advanced controls and HVAC systems, comprehensive building services, and parts. For more information, visit [www.Trane.com](http://www.Trane.com).

Trane has a policy of continuous product and product data improvements and reserves the right to change design and specifications without notice.

©2016 Trane All rights reserved  
VRF-PRC007B-EN 01 Mar 2016  
Supersedes VRF-PRC007-EN (December 2013)

We are committed to using environmentally  
conscious print practices that reduce waste.

