



PACKAGE HEAT PUMP

FORM NO. PTZ-791 REV. 1

TZHC4 HIGH EFFICIENCY 14 SEER SERIES NOMINAL SIZES 2-4 TONS [7.0-14.07 kW]



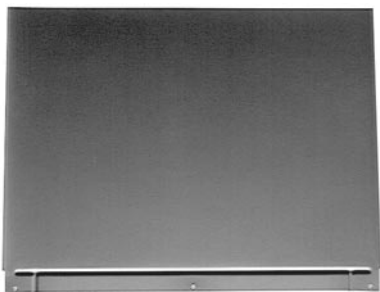
Manufactured for
Thermal Zone®
Philadelphia, PA



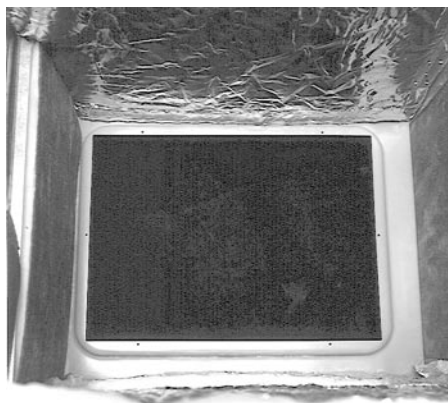
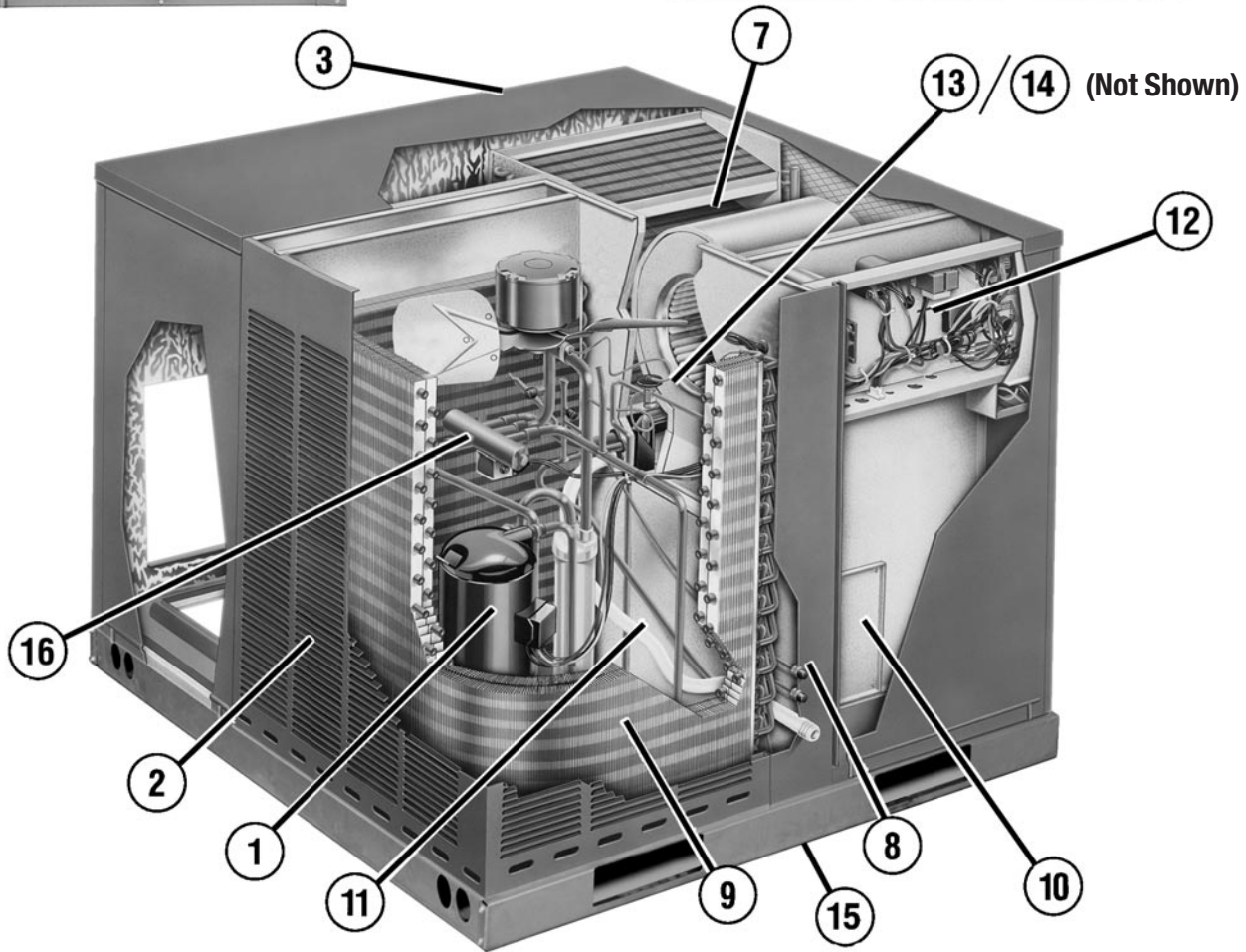
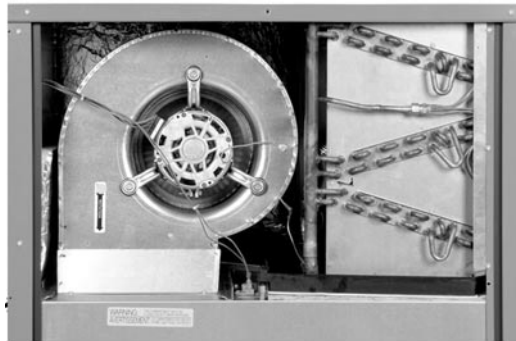
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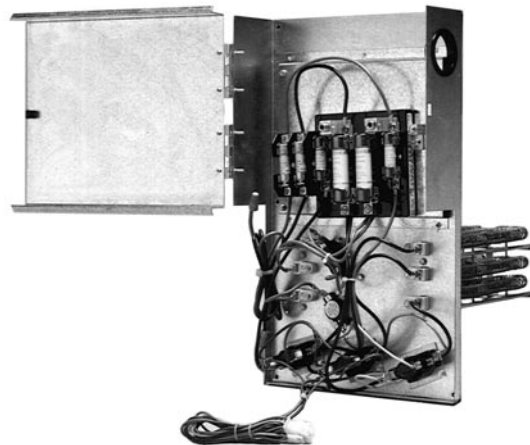
Package Heat Pump Features:



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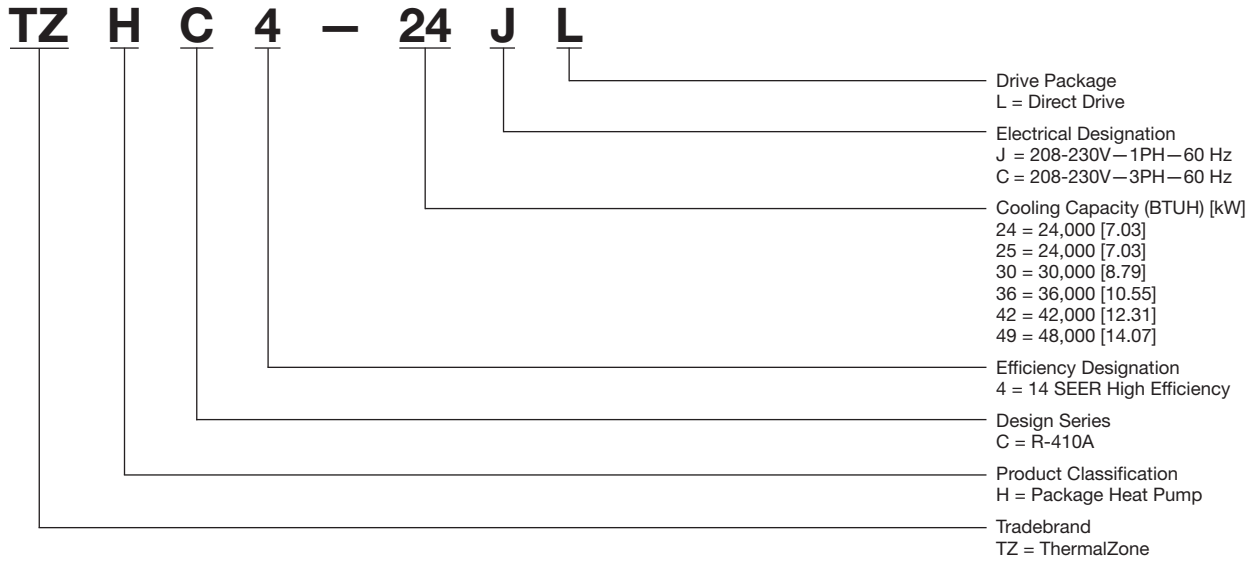
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Features Below Correspond to Photos on Page 3

1. All models feature Scroll® compressors for maximum efficiency and quiet operation. This unit contains a special scroll compressor that is designed specifically to operate with R-410A Refrigerants and polyolester (POE) oils. The compressor is hermetically sealed and incorporates internal high temperature motor overload protection and durable insulation on the motor windings. It is externally mounted on rubber grommets to reduce vibration and noise.
2. Louvered condenser compartment for protecting the coil against yard hazards and/or weather extremes.
3. One-piece top with a deep flange to help keep water out of the unit.
4. Supply and return air openings feature a one-inch tall flange to prevent water migration into the ductwork.
5. Access panels have “weep holes” and channels to further help manage water run-off.
6. Side and down discharge options available on all models. (Shipped Downflow Standard).
7. Easily accessible blower section complete with slide-out blower.
8. Refrigerant connections are conveniently located for easy service diagnostics. Low pressure/loss of charge protection is standard on all models.
9. Condenser and evaporator coils feature enhanced fins for better heat transfer and rifled copper tubing for greater efficiency.
10. Supplemental electric heat strips up to 15 kW are available (field or factory installed) for periods of extreme cold temperatures. Single point wiring makes installation even easier.
11. All units feature an internal trap on the condensate line eliminating the need for installing an on-site external trap.
12. Easily accessible control box. Package heat pump utilizes demand defrost control which monitors the outdoor ambient temperature, outdoor coil temperature, and compressor run-time to determine when a defrost cycle is required.
13. Thermal Expansion Valve standard on all models for superior superheat control, reliability, and energy efficiency at all operating conditions.
14. Filter Drier Standard on all models (not shown).
15. Rugged Baserail for improved installation and handling.
16. Reversing valve directs flow of refrigerant and reverses the refrigerant flow when heating is required.



[] Designates Metric Conversions

Instructions for Factory Installed Option(s) Selection

Note: Two characters following the model number will be utilized to designate a factory-installed option or combination of options. If no factory option(s) is required, nothing follows the model number.

Step 1. After a basic rooftop model is selected, choose a *two-character* option code from the FACTORY INSTALLED OPTION SELECTION TABLE.

FACTORY INSTALLED OPTION CODES

Option Codes	Low Ambient/High Pressure	Tin Plated Hairpin Coil
AA	No Options	
AT	X	
AU		X
JJ	X	X

Example: TZHC4-36JK000**XX** (where **XX** is factory installed option)

Example: No Options

TZHC4-36JK000

Note: Factory installed economizer is not available on these models.

NOMINAL SIZES 2-4 TONS [7.03-14.07 kW]

Model TZHC4 Series	B024JC	B025JC	B030JC	B036CC
Cooling Performance¹				CONTINUED →
Gross Cooling Capacity Btu [kW]	25,000 [7.32]	24,400 [7.15]	29,800 [8.73]	36,800 [10.78]
EER/SEER ²	11.8/14	12/14.3	12/14.3	12/14.3
Nominal CFM/AHRI Rated CFM [L/s]	800/850 [378/401]	800/850 [378/401]	1000/1050 [472/495]	1200/1250 [566/590]
AHRI Net Cooling Capacity Btu [kW]	24,400 [7.15]	23,800 [6.97]	29,200 [8.56]	36,000 [10.55]
Net Sensible Capacity Btu [kW]	18,900 [5.54]	17,800 [5.22]	23,000 [6.74]	27,000 [7.91]
Net Latent Capacity Btu [kW]	5,500 [1.61]	6,000 [1.76]	6,200 [1.82]	9,000 [2.64]
Net System Power kW	2.06	1.98	2.43	3
Heating Performance (Heat Pumps)⁴				
Heating Input Btu [kW] Rating	23,800 [6.97]	23,600 [6.91]	27,800 [8.15]	33,200 [9.73]
System Power KW/COP	1.94/3.5	1.88/3.7	2.27/3.6	2.73/3.6
Low Temp. Btuh [kW] Rating	13,800 [4.04]	12,900 [3.78]	15,500 [4.54]	18,000 [5.27]
System Power KW/COP	1.78/2.2	1.7/2.24	2.07/2.2	2.5/2.2
HSPF (Btu/Watts-hr)	8	8	8	8
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)³	76	76	76	76
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	14.51 [1.35]	14.51 [1.35]	16.32 [1.52]	11.2 [1.04]
Rows / FPI [FPcm]	1 / 22 [9]	1 / 22 [9]	1 / 22 [9]	2 / 22 [9]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	Rifled	Rifled	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	5.54 [0.51]	5.54 [0.51]	7.39 [0.69]	7.39 [0.69]
Rows / FPI [FPcm]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type	Propeller	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]
Drive Type/No. Speeds	Direct/1	Direct/1	Direct/1	Direct/1
CFM [L/s]	2700 [1274]	2700 [1274]	2700 [1274]	2700 [1274]
No. Motors/HP	1 at 1/5 HP	1 at 1/3 HP	1 at 1/5 HP	1 at 1/5 HP
Motor RPM	1075	869	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/9x7 [228.6x177.8]	1/9x7 [229x178]	1/10x9 [254x228.6]	1/10x9 [254x228.6]
Drive Type/No. Speeds	Direct/2	Direct/2	Direct/3	Direct/3
No. Motors	1	1	1	1
Motor HP	1/3	1/3	1/2	1/2
Motor RPM	1050	1050	1050	1075
Motor Frame Size	48	48	48	48
Filter—Type	Field Supplied	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No	No
(No.) Size Recommended in. [mm]	(1)1x20x20 [25x508x508]	(1)1x20x20 [25x508x508]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]	98 [2778]	98 [2778]	108 [3062]	146 [4139]
Weights				
Net Weight lbs. [kg]	391 [177]	391 [177]	444 [201]	471 [214]
Ship Weight lbs. [kg]	401 [182]	401 [182]	455 [206]	482 [219]

See Page 10 for Notes.

[] Designates Metric Conversions

NOMINAL SIZES 2-4 TONS [7.03-14.07 kW]

Model TZHC4 Series	B036JC	B042CC	B042JC
Cooling Performance¹			
Gross Cooling Capacity Btu [kW]	36,800 [10.78]	43,500 [12.75]	43,500 [12.75]
EER/SEER ²	12/14.3	11.3/14	11.3/14
Nominal CFM/AHRI Rated CFM [L/s]	1200/1250 [566/590]	1400/1400 [661/661]	1400/1400 [661/661]
AHRI Net Cooling Capacity Btu [kW]	36,000 [10.55]	42,500 [12.45]	42,500 [12.45]
Net Sensible Capacity Btu [kW]	27,000 [7.91]	31,500 [9.23]	31,500 [9.23]
Net Latent Capacity Btu [kW]	9,000 [2.64]	11,000 [3.22]	11,000 [3.22]
Net System Power kW	3	3.85	3.85
Heating Performance (Heat Pumps)⁴			
Heating Input Btu [kW] Rating	33,200 [9.73]	41,500 [12.16]	41,500 [12.16]
System Power KW/COP	2.73/3.6	3.65/3.4	3.65/3.4
Low Temp. Btuh [kW] Rating	18,000 [5.27]	24,200 [7.09]	24,200 [7.09]
System Power KW/COP	2.5/2.2	3.43/2.08	3.43/2.08
HSPF (Btu/Watts-hr)	8	8	8
Compressor			
No./Type	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)³			
	76	76	76
Outdoor Coil—Fin Type			
Tube Type	Louvered	Louvered	Louvered
Tube Size in. [mm] OD	Rifled	Rifled	Rifled
Face Area sq. ft. [sq. m]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Rows / FPI [FPcm]	11.2 [1.04]	16.32 [1.52]	16.32 [1.52]
Refrigerant Control	2 / 22 [9]	2 / 22 [9]	2 / 22 [9]
	TX Valves	TX Valves	TX Valves
Indoor Coil—Fin Type			
Tube Type	Louvered	Louvered	Louvered
Tube Size in. [mm]	Rifled	Rifled	Rifled
Face Area sq. ft. [sq. m]	0.375 [9.5]	0.375 [9.5]	0.375 [9.5]
Rows / FPI [FPcm]	7.39 [0.69]	7.39 [0.69]	7.39 [0.69]
Refrigerant Control	2 / 15 [6]	2 / 15 [6]	2 / 15 [6]
	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type			
No. Used/Diameter in. [mm]	Propeller	Propeller	Propeller
Drive Type/No. Speeds	1/22 [558.8]	1/22 [558.8]	1/22 [558.8]
CFM [L/s]	Direct/1	Direct/1	Direct/1
No. Motors/HP	2700 [1274]	3300 [1557]	3300 [1557]
Motor RPM	1 at 1/5 HP	1 at 1/3 HP	1 at 1/3 HP
	1075	1075	1075
Indoor Fan—Type			
No. Used/Diameter in. [mm]	FC Centrifugal	FC Centrifugal	FC Centrifugal
Drive Type/No. Speeds	1/10x9 [254x228.6]	1/10x9 [254x228.6]	1/10x9 [254x228.6]
No. Motors	Direct/3	Direct/2	Direct/2
Motor HP	1	1	1
Motor RPM	1/2	3/4	3/4
Motor Frame Size	1050	1075	1075
	48	48	48
Filter—Type			
Furnished	Field Supplied	Field Supplied	Field Supplied
(No.) Size Recommended in. [mm]	No	No	No
	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]			
	146 [4139]	176 [4990]	176 [4990]
Weights			
Net Weight lbs. [kg]	468 [212]	508 [230]	505 [229]
Ship Weight lbs. [kg]	479 [217]	519 [235]	516 [234]

CONTINUED →

See Page 10 for Notes.

[] Designates Metric Conversions

NOMINAL SIZES 2-4 TONS [7.03-14.07 kW]

Model TZHC4 Series	B049CC	B049JC
Cooling Performance¹		
Gross Cooling Capacity Btu [kW]	46,000 [13.48]	46,000 [13.48]
EER/SEER ²	11.5/14	11.5/14
Nominal CFM/AHRI Rated CFM [L/s]	1600/1600 [755/755]	1600/1600 [755/755]
AHRI Net Cooling Capacity Btu [kW]	46,000 [13.48]	46,000 [13.48]
Net Sensible Capacity Btu [kW]	34,650 [10.15]	34,650 [10.15]
Net Latent Capacity Btu [kW]	11,350 [3.33]	11,350 [3.33]
Net System Power kW	4	4
Heating Performance (Heat Pumps)⁴		
Heating Input Btu [kW] Rating	46,000 [13.48]	46,000 [13.48]
System Power KW/COP	3.87/3.48	3.87/3.48
Low Temp. Btuh [kW] Rating	26,200 [7.68]	26,200 [7.68]
System Power KW/COP	3.55/2.2	3.55/2.2
HSPF (Btu/Watts-hr)	8	8
Compressor		
No./Type	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)³		
	78	78
Outdoor Coil—Fin Type		
Tube Type	Louvered	Louvered
	Rifled	Rifled
Tube Size in. [mm] OD	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	16.32 [1.52]	16.32 [1.52]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]
Refrigerant Control	TX Valves	TX Valves
Indoor Coil—Fin Type		
Tube Type	Louvered	Louvered
	Rifled	Rifled
Tube Size in. [mm]	0.375 [9.5]	0.375 [9.5]
Face Area sq. ft. [sq. m]	7.39 [0.69]	7.39 [0.69]
Rows / FPI [FPcm]	2 / 15 [6]	2 / 15 [6]
Refrigerant Control	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/1 [25.4]	1/1 [25.4]
Outdoor Fan—Type		
	Propeller	Propeller
No. Used/Diameter in. [mm]	1/22 [558.8]	1/22 [558.8]
Drive Type/No. Speeds	Direct/1	Direct/1
CFM [L/s]	3000 [1416]	3000 [1416]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075
Indoor Fan—Type		
	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x9 [254x229]	1/10x9 [254x229]
Drive Type/No. Speeds	Direct/Multiple	Direct/Multiple
No. Motors	1	1
Motor HP	3/4	3/4
Motor RPM	1075	1075
Motor Frame Size	48	48
Filter—Type		
	Field Supplied	Field Supplied
Furnished	No	No
(No.) Size Recommended in. [mm]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]		
	177 [5018]	177 [5018]
Weights		
Net Weight lbs. [kg]	500 [227]	510 [231]
Ship Weight lbs. [kg]	511 [232]	521 [236]

See Page 10 for Notes.

[] Designates Metric Conversions

NOTES:

1. Cooling Performance is rated at 95° F ambient, 80° F entering dry bulb, 67° F entering wet bulb. Gross capacity does not include the effect of fan motor heat. AHRI capacity is net and includes the effect of fan motor heat. Units are suitable for operation in CFM range shown in airflow tables. Units are certified in accordance with the Unitary Air Conditioner Equipment certification program, which is based on AHRI Standard 210/240 or 360.
2. EER and/or SEER are rated at AHRI conditions and in accordance with DOE test procedures.
3. Outdoor Sound Rating shown is tested in accordance with AHRI Standard 270.
4. Heating Performance is rated at 47° F ambient, 70° F entering dry bulb for High Temp rating and 17° F ambient, 70° F entering dry bulb for Low Temp rating. Performance ratings do include the effect of fan motor heat.

COOLING PERFORMANCE DATA—TZHC4-24

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①											
wbE			71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]		
CFM [L/s]			940 [444]	850 [401]	760 [359]	940 [444]	850 [401]	760 [359]	940 [444]	850 [401]	760 [359]
DR ①			.15	.13	.11	.15	.13	.11	.15	.13	.11
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	29.9 [8.76]	29.4 [8.62]	28.8 [8.44]	28.6 [8.38]	28.0 [8.21]	27.5 [8.06]	27.6 [8.09]	27.1 [7.94]	26.6 [7.80]
		Sens BTUH [kW]	19.2 [5.63]	18.4 [5.39]	17.5 [5.13]	22.0 [6.45]	21.0 [6.15]	20.1 [5.89]	23.3 [6.83]	22.3 [6.54]	21.2 [6.21]
		Power	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	80 [26.7]	Total BTUH [kW]	29.7 [8.70]	29.1 [8.53]	28.6 [8.38]	28.3 [8.29]	27.8 [8.15]	27.3 [8.00]	27.3 [8.00]	26.8 [7.85]	26.4 [7.74]
		Sens BTUH [kW]	19.0 [5.57]	18.1 [5.30]	17.3 [5.07]	21.8 [6.39]	20.8 [6.10]	19.9 [5.83]	23.1 [6.77]	22.1 [6.48]	21.0 [6.15]
		Power	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	85 [29.4]	Total BTUH [kW]	29.0 [8.50]	28.5 [8.35]	27.9 [8.18]	27.6 [8.09]	27.2 [7.97]	26.7 [7.83]	26.7 [7.83]	26.2 [7.68]	25.7 [7.53]
		Sens BTUH [kW]	18.6 [5.45]	17.8 [5.22]	16.9 [4.95]	21.4 [6.27]	20.5 [6.01]	19.5 [5.71]	22.7 [6.65]	21.7 [6.36]	20.7 [6.07]
		Power	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	90 [32.2]	Total BTUH [kW]	28.0 [8.21]	27.5 [8.06]	27.0 [7.91]	26.6 [7.80]	26.2 [7.68]	25.7 [7.53]	25.6 [7.50]	25.2 [7.39]	24.7 [7.24]
Sens BTUH [kW]		18.1 [5.30]	17.3 [5.07]	16.5 [4.84]	20.9 [6.13]	20.0 [5.86]	19.1 [5.60]	22.2 [6.51]	21.2 [6.21]	20.2 [5.92]	
Power		1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
95 [35]	Total BTUH [kW]	26.7 [7.83]	26.3 [7.71]	25.8 [7.56]	25.4 [7.44]	24.9 [7.30]	24.5 [7.18]	24.4 [7.15]	24.0 [7.03]	23.5 [6.89]	
	Sens BTUH [kW]	17.5 [5.13]	16.7 [4.89]	16.0 [4.69]	20.4 [5.98]	19.4 [5.69]	18.5 [5.42]	21.6 [6.33]	20.7 [6.07]	19.7 [5.77]	
	Power	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	
100 [37.8]	Total BTUH [kW]	25.4 [7.44]	24.9 [7.30]	24.5 [7.18]	24.0 [7.03]	23.6 [6.92]	23.2 [6.80]	23.0 [6.74]	22.6 [6.62]	22.2 [6.51]	
	Sens BTUH [kW]	16.9 [4.95]	16.1 [4.72]	15.4 [4.51]	19.7 [5.77]	18.8 [5.51]	18.0 [5.28]	21.0 [6.15]	20.1 [5.89]	19.1 [5.60]	
	Power	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	
105 [40.6]	Total BTUH [kW]	24.0 [7.03]	23.6 [6.92]	23.1 [6.77]	22.6 [6.62]	22.2 [6.51]	21.8 [6.39]	21.7 [6.36]	21.3 [6.24]	20.9 [6.13]	
	Sens BTUH [kW]	16.3 [4.78]	15.5 [4.54]	14.8 [4.34]	19.1 [5.60]	18.2 [5.33]	17.4 [5.10]	20.4 [5.98]	19.5 [5.71]	18.5 [5.42]	
	Power	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	
110 [43.3]	Total BTUH [kW]	22.7 [6.65]	22.3 [6.54]	21.9 [6.42]	21.4 [6.27]	21.0 [6.15]	20.6 [6.04]	20.4 [5.98]	20.0 [5.86]	19.6 [5.74]	
	Sens BTUH [kW]	15.6 [4.57]	14.9 [4.37]	14.2 [4.16]	18.5 [5.42]	17.6 [5.16]	16.8 [4.92]	19.7 [5.77]	18.9 [5.54]	18.0 [5.28]	
	Power	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	
115 [46.1]	Total BTUH [kW]	21.6 [6.33]	21.2 [6.21]	20.8 [6.10]	20.2 [5.92]	19.9 [5.83]	19.5 [5.71]	19.3 [5.66]	18.9 [5.54]	18.6 [5.45]	
	Sens BTUH [kW]	15.1 [4.43]	14.4 [4.22]	13.7 [4.02]	17.9 [5.25]	17.1 [5.01]	16.3 [4.78]	19.2 [5.63]	18.3 [5.36]	17.5 [5.13]	
	Power	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	

DR —Depression ratio
dbE—Entering air dry bulb
wbE—Entering air wet bulb

Total —Total capacity x 1000 BTUH
Sens —Sensible capacity x 1000 BTUH
Power —KW input

NOTES:

① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

HEATING PERFORMANCE DATA—TZHC4-24

IDB											
CFM [L/s]			60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]		
			940 [444]	850 [401]	760 [359]	940 [444]	850 [401]	760 [359]	940 [444]	850 [401]	760 [359]
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total BTUH [kW]	8.9 [2.61]	8.8 [2.58]	8.7 [2.55]	8.0 [2.34]	7.9 [2.32]	7.9 [2.32]	6.5 [1.90]	6.5 [1.90]	6.5 [1.90]
		Power	1.4	1.4	1.4	1.6	1.6	1.6	1.8	1.8	1.9
	5 [-15]	Total BTUH [kW]	10.5 [3.08]	10.4 [3.05]	10.4 [3.05]	9.6 [2.81]	9.6 [2.81]	9.5 [2.78]	8.2 [2.40]	8.1 [2.37]	8.1 [2.37]
		Power	1.4	1.4	1.5	1.6	1.6	1.6	1.8	1.9	1.9
	10 [-12.2]	Total BTUH [kW]	12.1 [3.55]	12.1 [3.55]	12.0 [3.52]	11.3 [3.31]	11.2 [3.28]	11.1 [3.25]	9.8 [2.87]	9.8 [2.87]	9.7 [2.84]
		Power	1.4	1.5	1.5	1.6	1.6	1.7	1.9	1.9	1.9
	15 [-9.4]	Total BTUH [kW]	13.8 [4.04]	13.7 [4.02]	13.6 [3.99]	12.9 [3.78]	12.8 [3.75]	12.7 [3.72]	11.5 [3.37]	11.4 [3.34]	11.3 [3.31]
		Power	1.5	1.5	1.5	1.6	1.7	1.7	1.9	1.9	1.9
	20 [-6.7]	Total BTUH [kW]	15.4 [4.51]	15.3 [4.48]	15.2 [4.45]	14.5 [4.25]	14.4 [4.22]	14.3 [4.19]	13.1 [3.84]	13.0 [3.81]	12.9 [3.78]
		Power	1.5	1.5	1.5	1.7	1.7	1.7	1.9	1.9	1.9
25 [-3.9]	Total BTUH [kW]	17.1 [5.01]	16.9 [4.95]	16.8 [4.92]	16.2 [4.75]	16.1 [4.72]	15.9 [4.66]	14.7 [4.31]	14.6 [4.28]	14.5 [4.25]	
	Power	1.5	1.5	1.5	1.7	1.7	1.7	1.9	1.9	2.0	
30 [-1.1]	Total BTUH [kW]	18.7 [5.48]	18.6 [5.45]	18.4 [5.39]	17.8 [5.22]	17.7 [5.19]	17.6 [5.16]	16.4 [4.81]	16.3 [4.78]	16.1 [4.72]	
	Power	1.5	1.5	1.6	1.7	1.7	1.7	1.9	2.0	2.0	
35 [1.7]	Total BTUH [kW]	20.3 [5.95]	20.2 [5.92]	20.0 [5.86]	19.4 [5.69]	19.3 [5.66]	19.2 [5.63]	18.0 [5.28]	17.9 [5.25]	17.8 [5.22]	
	Power	1.5	1.6	1.6	1.7	1.7	1.8	2.0	2.0	2.0	
40 [4.4]	Total BTUH [kW]	22.0 [6.45]	21.8 [6.39]	21.7 [6.36]	21.1 [6.18]	20.9 [6.13]	20.8 [6.10]	19.6 [5.74]	19.5 [5.71]	19.4 [5.69]	
	Power	1.6	1.6	1.6	1.7	1.8	1.8	2.0	2.0	2.0	
45 [7.2]	Total BTUH [kW]	23.6 [6.92]	23.4 [6.86]	23.3 [6.83]	22.7 [6.65]	22.6 [6.62]	22.4 [6.56]	21.3 [6.24]	21.1 [6.18]	21.0 [6.15]	
	Power	1.6	1.6	1.6	1.8	1.8	1.8	2.0	2.0	2.1	
50 [10]	Total BTUH [kW]	25.2 [7.39]	25.1 [7.36]	24.9 [7.30]	24.4 [7.15]	24.2 [7.09]	24.0 [7.03]	22.9 [6.71]	22.8 [6.68]	22.6 [6.62]	
	Power	1.6	1.6	1.6	1.8	1.8	1.8	2.0	2.0	2.1	

IDB—Indoor air dry bulb

[] Designates Metric Conversions

COOLING PERFORMANCE DATA—TZHC4-25

		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①									
		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
		930 [439]	850 [401]	760 [359]	930 [439]	850 [401]	760 [359]	930 [439]	850 [401]	760 [359]	
		CFM [L/s]									
		DR ①	.15	.17	.19	.15	.17	.19	.15	.17	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	30.4 [8.9] 18.8 [5.5] 1.5	29.9 [8.8] 17.5 [5.1] 1.4	29.3 [8.6] 16.1 [4.7] 1.4	28.5 [8.4] 22.1 [6.5] 1.5	28.0 [8.2] 20.7 [6.1] 1.5	27.5 [8.1] 19.2 [5.6] 1.4	26.8 [7.9] 24.4 [7.2] 1.5	26.4 [7.7] 23.0 [6.8] 1.5	25.9 [7.6] 21.4 [6.3] 1.4
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	29.6 [8.7] 18.2 [5.3] 1.5	29.1 [8.5] 16.9 [5.0] 1.5	28.5 [8.4] 15.5 [4.6] 1.5	27.7 [8.1] 21.5 [6.3] 1.5	27.2 [8.0] 20.1 [5.9] 1.5	26.7 [7.8] 18.6 [5.5] 1.5	26.0 [7.6] 23.8 [7.0] 1.6	25.6 [7.5] 22.4 [6.6] 1.5	25.1 [7.4] 20.8 [6.1] 1.5
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	28.7 [8.4] 17.5 [5.1] 1.6	28.2 [8.3] 16.3 [4.8] 1.6	27.6 [8.1] 14.9 [4.4] 1.6	26.8 [7.9] 20.9 [6.1] 1.6	26.3 [7.7] 19.5 [5.7] 1.6	25.8 [7.6] 18.1 [5.3] 1.6	25.1 [7.4] 23.2 [6.8] 1.6	24.7 [7.2] 21.8 [6.4] 1.6	24.2 [7.1] 20.2 [5.9] 1.6
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	27.7 [8.1] 16.9 [5.0] 1.7	27.2 [8.0] 15.7 [4.6] 1.7	26.7 [7.8] 14.4 [4.2] 1.7	25.8 [7.6] 20.3 [6.0] 1.7	25.4 [7.4] 19.0 [5.6] 1.7	24.9 [7.3] 17.6 [5.2] 1.7	24.1 [7.1] 22.4 [6.6] 1.7	23.7 [6.9] 21.1 [6.2] 1.7	23.3 [6.8] 19.7 [5.8] 1.7
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	26.7 [7.8] 16.3 [4.8] 1.8	26.2 [7.7] 15.1 [4.4] 1.8	25.7 [7.5] 13.9 [4.1] 1.8	24.8 [7.3] 19.6 [5.8] 1.8	24.4 [7.2] 18.4 [5.4] 1.8	23.9 [7.0] 17.0 [5.0] 1.8	23.1 [6.8] 21.9 [6.4] 1.8	22.7 [6.7] 20.6 [6.0] 1.8	22.3 [6.5] 19.2 [5.6] 1.8
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	25.6 [7.5] 15.8 [4.6] 1.9	25.2 [7.4] 14.7 [4.3] 1.9	24.7 [7.2] 13.5 [4.0] 1.9	23.7 [6.9] 19.0 [5.6] 1.9	23.3 [6.8] 17.8 [5.2] 1.9	22.9 [6.7] 16.5 [4.8] 1.9	22.0 [6.4] 21.3 [6.3] 1.9	21.7 [6.4] 20.1 [5.9] 1.9	21.3 [6.2] 18.7 [5.5] 1.9
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	24.5 [7.2] 15.2 [4.5] 2.0	24.1 [7.1] 14.2 [4.2] 2.0	23.6 [6.9] 13.0 [3.8] 2.0	22.6 [6.6] 18.5 [5.4] 2.0	22.2 [6.5] 17.3 [5.1] 2.0	21.8 [6.4] 16.1 [4.7] 2.0	20.9 [6.1] 20.8 [6.1] 2.0	20.6 [6.0] 19.6 [5.8] 2.0	20.2 [5.9] 18.3 [5.4] 2.0
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	23.3 [6.8] 14.7 [4.3] 2.2	22.9 [6.7] 13.7 [4.0] 2.1	22.5 [6.6] 12.6 [3.7] 2.1	21.4 [6.3] 18.0 [5.3] 2.2	21.0 [6.2] 16.8 [4.9] 2.1	20.6 [6.0] 15.6 [4.6] 2.1	19.7 [5.8] 19.7 [5.8] 2.2	19.4 [5.7] 19.1 [5.6] 2.1	19.0 [5.6] 17.8 [5.2] 2.1
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	22.1 [6.5] 14.2 [4.2] 2.3	21.7 [6.4] 13.2 [3.9] 2.3	21.3 [6.2] 12.2 [3.6] 2.2	20.2 [5.9] 17.5 [5.1] 2.3	19.8 [5.8] 16.4 [4.8] 2.3	19.4 [5.7] 15.2 [4.5] 2.2	18.5 [5.4] 18.5 [5.4] 2.3	18.2 [5.3] 18.2 [5.3] 2.3	17.8 [5.2] 17.4 [5.1] 2.2

DR —Depression ratio
dbE —Entering air dry bulb
wbE —Entering air wet bulb

Total —Total capacity x 1000 BTUH
Sens —Sensible capacity x 1000 BTUH
Power —KW input

NOTES:

① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding [1.10 x CFM x (1 - DR) x (dbE - 80)].

HEATING PERFORMANCE DATA—TZHC4-25

		IDB	60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]		
		CFM [L/s]	930 [439]	850 [401]	760 [359]	930 [439]	850 [401]	760 [359]	930 [439]	850 [401]	760 [359]
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total BTUH [kW] Power	7.3 [2.1] 1.2	7.2 [2.1] 1.3	7.2 [2.1] 1.3	5.9 [1.7] 1.4	5.9 [1.7] 1.4	5.9 [1.7] 1.4	4.6 [1.3] 1.6	4.5 [1.3] 1.6	4.5 [1.3] 1.6
	5 [-15]	Total BTUH [kW] Power	9.1 [2.7] 1.3	9.1 [2.7] 1.3	9.0 [2.6] 1.3	7.8 [2.3] 1.4	7.7 [2.3] 1.5	7.7 [2.3] 1.5	6.4 [1.9] 1.6	6.4 [1.9] 1.6	6.3 [1.8] 1.7
	10 [-12.2]	Total BTUH [kW] Power	11.0 [3.2] 1.3	10.9 [3.2] 1.3	10.8 [3.2] 1.3	9.6 [2.8] 1.5	9.5 [2.8] 1.5	9.5 [2.8] 1.5	8.2 [2.4] 1.7	8.2 [2.4] 1.7	8.1 [2.4] 1.7
	15 [-9.4]	Total BTUH [kW] Power	12.8 [3.8] 1.3	12.7 [3.7] 1.3	12.6 [3.7] 1.4	11.4 [3.3] 1.5	11.4 [3.3] 1.5	11.3 [3.3] 1.5	10.1 [3.0] 1.7	10.0 [2.9] 1.7	9.9 [2.9] 1.7
	20 [-6.7]	Total BTUH [kW] Power	14.6 [4.3] 1.4	14.5 [4.2] 1.4	14.4 [4.2] 1.4	13.3 [3.9] 1.5	13.2 [3.9] 1.6	13.1 [3.8] 1.6	11.9 [3.5] 1.7	11.8 [3.5] 1.7	11.8 [3.5] 1.8
	25 [-3.9]	Total BTUH [kW] Power	16.5 [4.8] 1.4	16.4 [4.8] 1.4	16.2 [4.7] 1.4	15.1 [4.4] 1.6	15.0 [4.4] 1.6	14.9 [4.4] 1.6	13.8 [4.0] 1.7	13.7 [4.0] 1.8	13.6 [4.0] 1.8
	30 [-1.1]	Total BTUH [kW] Power	18.3 [5.4] 1.4	18.2 [5.3] 1.4	18.0 [5.3] 1.4	17.0 [5.0] 1.6	16.8 [4.9] 1.6	16.7 [4.9] 1.6	15.6 [4.6] 1.8	15.5 [4.5] 1.8	15.4 [4.5] 1.8
	35 [1.7]	Total BTUH [kW] Power	20.1 [5.9] 1.4	20.0 [5.9] 1.5	19.9 [5.8] 1.5	18.8 [5.5] 1.6	18.7 [5.5] 1.6	18.5 [5.4] 1.7	17.4 [5.1] 1.8	17.3 [5.1] 1.8	17.2 [5.0] 1.8
	40 [4.4]	Total BTUH [kW] Power	22.0 [6.4] 1.5	21.8 [6.4] 1.5	21.7 [6.4] 1.5	20.6 [6.0] 1.6	20.5 [6.0] 1.7	20.3 [5.9] 1.7	19.3 [5.7] 1.8	19.1 [5.6] 1.9	19.0 [5.6] 1.9
	45 [7.2]	Total BTUH [kW] Power	23.8 [7.0] 1.5	23.7 [6.9] 1.5	23.5 [6.9] 1.5	22.5 [6.6] 1.7	22.3 [6.5] 1.7	22.1 [6.5] 1.7	21.1 [6.2] 1.9	21.0 [6.2] 1.9	20.8 [6.1] 1.9
50 [10]	Total BTUH [kW] Power	25.7 [7.5] 1.5	25.5 [7.5] 1.6	25.3 [7.4] 1.6	24.3 [7.1] 1.7	24.1 [7.1] 1.7	23.9 [7.0] 1.8	22.9 [6.7] 1.9	22.8 [6.7] 1.9	22.6 [6.6] 1.9	

IDB—Indoor air dry bulb

[] Designates Metric Conversions

COOLING PERFORMANCE DATA—TZHC4-30

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①											
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]		1160 [547]	1050 [496]	940 [444]	1160 [547]	1050 [496]	940 [444]	1160 [547]	1050 [496]	940 [444]	
DR ①		.15	.13	.11	.15	.13	.11	.15	.13	.11	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	36.9 [10.81] 23.7 [6.95] 1.9	36.2 [10.61] 22.6 [6.62] 1.9	35.5 [10.40] 21.5 [6.30] 1.9	34.9 [10.23] 26.9 [7.88] 1.9	34.2 [10.02] 25.7 [7.53] 1.9	33.6 [9.85] 24.5 [7.18] 1.9	33.5 [9.82] 28.4 [8.32] 1.9	32.9 [9.64] 27.1 [7.94] 1.9	32.3 [9.47] 25.8 [7.56] 1.9
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	35.7 [10.46] 23.1 [6.77] 2.0	35.1 [10.29] 22.0 [6.45] 2.0	34.4 [10.08] 21.0 [6.15] 2.0	33.7 [9.88] 26.3 [7.71] 2.0	33.1 [9.70] 25.2 [7.39] 2.0	32.5 [9.52] 24.0 [7.03] 2.0	32.3 [9.47] 27.8 [8.15] 2.0	31.8 [9.32] 26.5 [7.77] 2.0	31.2 [9.14] 25.3 [7.41] 2.0
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	34.6 [10.14] 22.5 [6.59] 2.1	33.9 [9.94] 21.5 [6.30] 2.1	33.3 [9.76] 20.5 [6.01] 2.1	32.6 [9.55] 25.8 [7.56] 2.1	32.0 [9.38] 24.6 [7.21] 2.1	31.4 [9.20] 23.5 [6.89] 2.1	31.2 [9.14] 27.2 [7.97] 2.1	30.6 [8.97] 26.0 [7.62] 2.1	30.1 [8.82] 24.8 [7.27] 2.1
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	33.4 [9.79] 21.9 [6.42] 2.2	32.8 [9.61] 20.9 [6.13] 2.2	32.2 [9.44] 20.0 [5.86] 2.2	31.4 [9.20] 25.2 [7.39] 2.2	30.9 [9.06] 24.1 [7.06] 2.2	30.3 [8.88] 23.0 [6.74] 2.2	30.1 [8.82] 26.6 [7.80] 2.2	29.5 [8.65] 25.4 [7.44] 2.2	29.0 [8.50] 24.3 [7.12] 2.2
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	32.3 [9.47] 21.4 [6.27] 2.3	31.7 [9.29] 20.4 [5.98] 2.3	31.1 [9.11] 19.5 [5.71] 2.3	30.3 [8.88] 24.7 [7.24] 2.3	29.8 [8.73] 23.6 [6.92] 2.3	29.2 [8.56] 22.5 [6.59] 2.2	28.9 [8.47] 26.1 [7.65] 2.3	28.4 [8.32] 24.9 [7.30] 2.3	27.9 [8.18] 23.8 [6.98] 2.3
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	31.1 [9.11] 20.8 [6.10] 2.4	30.6 [8.97] 19.9 [5.83] 2.4	30.0 [8.79] 19.0 [5.57] 2.4	29.1 [8.53] 24.1 [7.06] 2.4	28.6 [8.38] 23.0 [6.74] 2.4	28.1 [8.24] 22.0 [6.45] 2.3	27.8 [8.15] 25.5 [7.47] 2.4	27.3 [8.00] 24.4 [7.15] 2.4	26.8 [7.85] 23.3 [6.83] 2.4
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	30.0 [8.79] 20.3 [5.95] 2.5	29.4 [8.62] 19.4 [5.69] 2.5	28.9 [8.47] 18.5 [5.42] 2.5	28.0 [8.21] 23.6 [6.92] 2.5	27.5 [8.06] 22.5 [6.59] 2.5	27.0 [7.91] 21.5 [6.30] 2.4	26.6 [7.80] 25.0 [7.33] 2.5	26.1 [7.65] 23.9 [7.00] 2.5	25.6 [7.50] 22.8 [6.68] 2.5
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	28.7 [8.41] 19.7 [5.77] 2.6	28.2 [8.26] 18.8 [5.51] 2.6	27.7 [8.12] 18.0 [5.28] 2.6	26.7 [7.83] 23.0 [6.74] 2.6	26.2 [7.68] 22.0 [6.45] 2.6	25.8 [7.56] 21.0 [6.15] 2.5	25.4 [7.44] 24.4 [7.15] 2.6	24.9 [7.30] 23.4 [6.86] 2.6	24.5 [7.18] 22.3 [6.54] 2.6
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	27.4 [8.03] 19.2 [5.63] 2.7	26.9 [7.88] 18.3 [5.36] 2.7	26.4 [7.74] 17.5 [5.13] 2.7	25.4 [7.44] 22.5 [6.59] 2.7	25.0 [7.33] 21.5 [6.30] 2.6	24.5 [7.18] 20.5 [6.01] 2.6	24.1 [7.06] 23.9 [7.00] 2.7	23.6 [6.92] 22.8 [6.68] 2.7	23.2 [6.80] 21.8 [6.39] 2.7

DR —Depression ratio
dbE—Entering air dry bulb
wbE—Entering air wet bulb

Total —Total capacity x 1000 BTUH
Sens —Sensible capacity x 1000 BTUH
Power—KW input

NOTES:

① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

HEATING PERFORMANCE DATA—TZHC4-30

IDB		60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]			
CFM [L/s]		1160 [547]	1050 [496]	940 [444]	1160 [547]	1050 [496]	940 [444]	1160 [547]	1050 [496]	940 [444]	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total BTUH [kW] Power	9.5 [2.78] 1.6	9.5 [2.78] 1.6	9.4 [2.75] 1.6	8.0 [2.34] 1.8	7.9 [2.32] 1.8	7.9 [2.32] 1.8	6.6 [1.93] 2.0	6.5 [1.90] 2.0	6.5 [1.90] 2.1
	5 [-15]	Total BTUH [kW] Power	11.5 [3.37] 1.6	11.4 [3.34] 1.6	11.3 [3.31] 1.6	19.9 [2.90] 1.8	19.8 [2.87] 1.8	19.8 [2.87] 1.9	18.5 [2.49] 2.0	18.4 [2.46] 2.1	18.4 [2.46] 2.1
	10 [-12.2]	Total BTUH [kW] Power	13.4 [3.93] 1.6	13.3 [3.90] 1.7	13.2 [3.87] 1.7	11.8 [3.46] 1.9	11.8 [3.46] 1.9	11.7 [3.43] 1.9	10.4 [3.05] 2.1	10.3 [3.02] 2.1	10.3 [3.02] 2.1
	15 [-9.4]	Total BTUH [kW] Power	15.3 [4.48] 1.7	15.2 [4.45] 1.7	15.1 [4.43] 1.7	13.8 [4.04] 1.9	13.7 [4.02] 1.9	13.6 [3.99] 1.9	12.3 [3.60] 2.1	12.3 [3.60] 2.1	12.2 [3.58] 2.2
	20 [-6.7]	Total BTUH [kW] Power	17.2 [5.04] 1.7	17.1 [5.01] 1.7	17.0 [4.98] 1.7	15.7 [4.60] 1.9	15.6 [4.57] 1.9	15.5 [4.54] 2.0	14.3 [4.19] 2.1	14.2 [4.16] 2.2	14.1 [4.13] 2.2
	25 [-3.9]	Total BTUH [kW] Power	19.2 [5.63] 1.7	19.0 [5.57] 1.8	18.9 [5.54] 1.8	17.6 [5.16] 1.9	17.5 [5.13] 2.0	17.4 [5.10] 2.0	16.2 [4.75] 2.2	16.1 [4.72] 2.2	16.0 [4.69] 2.2
	30 [-1.1]	Total BTUH [kW] Power	21.1 [6.18] 1.8	20.9 [6.13] 1.8	20.8 [6.10] 1.8	19.5 [5.71] 2.0	19.4 [5.69] 2.0	19.3 [5.66] 2.0	18.1 [5.30] 2.2	18.0 [5.28] 2.2	17.9 [5.25] 2.3
	35 [1.7]	Total BTUH [kW] Power	23.0 [6.74] 1.8	22.8 [6.68] 1.8	22.7 [6.65] 1.8	21.5 [6.30] 2.0	21.3 [6.24] 2.0	21.2 [6.21] 2.1	20.0 [5.86] 2.2	19.9 [5.83] 2.3	19.7 [5.77] 2.3
	40 [4.4]	Total BTUH [kW] Power	24.9 [7.30] 1.8	24.8 [7.27] 1.8	24.6 [7.21] 1.9	23.4 [6.86] 2.0	23.2 [6.80] 2.1	23.0 [6.74] 2.1	22.0 [6.45] 2.3	21.8 [6.39] 2.3	21.6 [6.33] 2.3
	45 [7.2]	Total BTUH [kW] Power	26.9 [7.88] 1.9	26.7 [7.83] 1.9	26.5 [7.77] 1.9	25.3 [7.41] 2.1	25.1 [7.36] 2.1	24.9 [7.30] 2.1	23.9 [7.00] 2.3	23.7 [6.95] 2.3	23.5 [6.89] 2.4
50 [10]	Total BTUH [kW] Power	28.8 [8.44] 1.9	28.6 [8.38] 1.9	28.4 [8.32] 1.9	27.2 [7.97] 2.1	27.0 [7.91] 2.1	26.8 [7.85] 2.2	25.8 [7.56] 2.3	25.6 [7.50] 2.4	25.4 [7.44] 2.4	

IDB—Indoor air dry bulb

[] Designates Metric Conversions

COOLING PERFORMANCE DATA—TZHC4-36

ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①											
wbE		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
CFM [L/s]		1380 [651]	1250 [590]	1120 [528]	1380 [651]	1250 [590]	1120 [528]	1380 [651]	1250 [590]	1120 [528]	
DR ①		.21	.19	.17	.21	.19	.17	.21	.19	.17	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	45.0 [13.19] 27.7 [8.12] 2.3	44.2 [12.95] 26.5 [7.77] 2.2	43.4 [12.72] 25.3 [7.41] 2.2	42.9 [12.57] 31.8 [9.32] 2.2	42.2 [12.37] 30.4 [8.91] 2.2	41.4 [12.13] 28.9 [8.47] 2.2	41.8 [12.25] 34.2 [10.02] 2.2	41.0 [12.02] 32.6 [9.55] 2.2	40.3 [11.81] 31.1 [9.11] 2.2
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	43.9 [12.87] 27.1 [7.94] 2.4	43.1 [12.63] 25.9 [7.59] 2.4	42.3 [12.40] 24.7 [7.24] 2.4	41.8 [12.25] 31.2 [9.14] 2.4	41.1 [12.05] 29.8 [8.73] 2.4	40.3 [11.81] 28.4 [8.32] 2.3	40.7 [11.93] 33.5 [9.82] 2.4	39.9 [11.69] 32.0 [9.38] 2.3	39.2 [11.49] 30.5 [8.94] 2.3
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	42.6 [12.48] 26.5 [7.77] 2.5	41.8 [12.25] 25.3 [7.41] 2.5	41.0 [12.02] 24.1 [7.06] 2.5	40.5 [11.87] 30.5 [8.94] 2.5	39.8 [11.66] 29.1 [8.53] 2.5	39.1 [11.46] 27.8 [8.15] 2.5	39.4 [11.55] 32.9 [9.64] 2.5	38.7 [11.34] 31.4 [9.20] 2.5	37.9 [11.11] 29.9 [8.76] 2.5
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	41.1 [12.05] 25.7 [7.53] 2.7	40.3 [11.81] 24.6 [7.21] 2.7	39.6 [11.61] 23.5 [6.89] 2.6	39.0 [11.43] 29.8 [8.73] 2.7	38.3 [11.22] 28.5 [8.35] 2.6	37.6 [11.02] 27.1 [7.94] 2.6	37.9 [11.11] 32.2 [9.44] 2.6	37.2 [10.90] 30.7 [9.00] 2.6	36.5 [10.70] 29.3 [8.59] 2.6
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	39.5 [11.58] 25.0 [7.33] 2.8	38.8 [11.37] 23.9 [7.00] 2.8	38.1 [11.17] 22.8 [6.68] 2.8	37.4 [10.96] 29.1 [8.53] 2.8	36.8 [10.79] 27.8 [8.15] 2.8	36.1 [10.58] 26.5 [7.77] 2.8	36.3 [10.64] 31.4 [9.20] 2.8	35.6 [10.43] 30.0 [8.79] 2.8	35.0 [10.26] 28.6 [8.38] 2.7
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	37.8 [11.08] 24.2 [7.09] 3.0	37.1 [10.87] 23.2 [6.80] 2.9	36.5 [10.70] 22.1 [6.48] 2.9	35.8 [10.49] 28.3 [8.29] 2.9	35.1 [10.29] 27.0 [7.91] 2.9	34.5 [10.11] 25.8 [7.56] 2.9	34.6 [10.14] 30.7 [9.00] 2.9	34.0 [9.96] 29.3 [8.59] 2.9	33.4 [9.79] 27.9 [8.18] 2.9
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	36.1 [10.58] 23.4 [6.86] 3.1	35.5 [10.40] 22.4 [6.56] 3.1	34.8 [10.20] 21.3 [6.24] 3.1	34.1 [9.99] 27.5 [8.06] 3.1	33.5 [9.82] 26.3 [7.71] 3.1	32.8 [9.61] 25.0 [7.33] 3.0	32.9 [9.64] 29.9 [8.76] 3.1	32.3 [9.47] 28.5 [8.35] 3.0	31.7 [9.29] 27.2 [7.97] 3.0
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	34.4 [10.08] 22.6 [6.62] 3.3	33.8 [9.91] 21.6 [6.33] 3.2	33.2 [9.73] 20.6 [6.04] 3.2	32.4 [9.50] 26.7 [7.83] 3.2	31.8 [9.32] 25.5 [7.47] 3.2	31.2 [9.14] 24.3 [7.12] 3.2	31.2 [9.14] 29.0 [8.50] 3.2	30.7 [9.00] 27.7 [8.12] 3.2	30.1 [8.82] 26.4 [7.74] 3.2
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	32.8 [9.61] 21.8 [6.39] 3.4	32.2 [9.44] 20.8 [6.10] 3.4	31.7 [9.29] 19.8 [5.80] 3.3	30.8 [9.03] 25.8 [7.56] 3.4	30.2 [8.85] 24.7 [7.24] 3.3	29.7 [8.70] 23.5 [6.89] 3.3	29.6 [8.67] 28.2 [8.26] 3.4	29.1 [8.53] 26.9 [7.88] 3.3	28.6 [8.38] 25.7 [7.53] 3.3

DR —Depression ratio
dbE —Entering air dry bulb
wbE—Entering air wet bulb

Total —Total capacity x 1000 BTUH
Sens —Sensible capacity x 1000 BTUH
Power —KW input

NOTES:

① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding [1.10 x CFM x (1 – DR) x (dbE – 80)].

HEATING PERFORMANCE DATA—TZHC4-36

IDB		60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]			
CFM [L/s]		1380 [651]	1250 [590]	1120 [528]	1380 [651]	1250 [590]	1120 [528]	1380 [651]	1250 [590]	1120 [528]	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total BTUH [kW] Power	11.7 [3.43] 1.8	11.6 [3.40] 1.9	11.5 [3.37] 1.9	9.6 [2.81] 2.1	9.6 [2.81] 2.1	9.5 [2.78] 2.1	8.3 [2.43] 2.4	8.2 [2.40] 2.4	8.1 [2.37] 2.4
	5 [-15]	Total BTUH [kW] Power	14.1 [4.13] 1.9	14.0 [4.10] 1.9	13.9 [4.07] 1.9	12.1 [3.55] 2.1	12.0 [3.52] 2.2	11.9 [3.49] 2.2	10.7 [3.14] 2.4	10.6 [3.11] 2.5	10.6 [3.11] 2.5
	10 [-12.2]	Total BTUH [kW] Power	16.6 [4.86] 1.9	16.5 [4.84] 1.9	16.3 [4.78] 2.0	14.5 [4.25] 2.2	14.4 [4.22] 2.2	14.3 [4.19] 2.2	13.2 [3.87] 2.5	13.1 [3.84] 2.5	13.0 [3.81] 2.5
	15 [-9.4]	Total BTUH [kW] Power	19.0 [5.57] 2.0	18.9 [5.54] 2.0	18.8 [5.51] 2.0	17.0 [4.98] 2.2	16.9 [4.95] 2.2	16.7 [4.89] 2.3	15.6 [4.57] 2.5	15.5 [4.54] 2.5	15.4 [4.51] 2.6
	20 [-6.7]	Total BTUH [kW] Power	21.5 [6.30] 2.0	21.3 [6.24] 2.0	21.2 [6.21] 2.1	19.4 [5.69] 2.3	19.3 [5.66] 2.3	19.2 [5.63] 2.3	18.1 [5.30] 2.5	17.9 [5.25] 2.6	17.8 [5.22] 2.6
	25 [-3.9]	Total BTUH [kW] Power	23.9 [7.00] 2.0	23.8 [6.98] 2.1	23.6 [6.92] 2.1	21.9 [6.42] 2.3	21.7 [6.36] 2.3	21.6 [6.33] 2.4	20.5 [6.01] 2.6	20.4 [5.98] 2.6	20.2 [5.92] 2.7
	30 [-1.1]	Total BTUH [kW] Power	26.4 [7.74] 2.1	26.2 [7.68] 2.1	26.0 [7.62] 2.1	24.3 [7.12] 2.3	24.2 [7.09] 2.4	24.0 [7.03] 2.4	23.0 [6.74] 2.6	22.8 [6.68] 2.7	22.6 [6.62] 2.7
	35 [1.7]	Total BTUH [kW] Power	28.8 [8.44] 2.1	28.6 [8.38] 2.1	28.4 [8.32] 2.2	26.8 [7.85] 2.4	26.6 [7.80] 2.4	26.4 [7.74] 2.4	25.4 [7.44] 2.7	25.2 [7.39] 2.7	25.1 [7.36] 2.7
	40 [4.4]	Total BTUH [kW] Power	31.3 [9.17] 2.2	31.1 [9.11] 2.2	30.8 [9.03] 2.2	29.2 [8.56] 2.4	29.0 [8.50] 2.4	28.8 [8.44] 2.5	27.9 [8.18] 2.7	27.7 [8.12] 2.7	27.5 [8.06] 2.8
	45 [7.2]	Total BTUH [kW] Power	33.7 [9.88] 2.2	33.5 [9.82] 2.2	33.3 [9.76] 2.3	31.7 [9.29] 2.5	31.5 [9.23] 2.5	31.2 [9.14] 2.5	30.3 [8.88] 2.8	30.1 [8.82] 2.8	29.9 [8.76] 2.8
50 [10]	Total BTUH [kW] Power	36.2 [10.61] 2.2	35.9 [10.52] 2.3	35.7 [10.46] 2.3	34.1 [9.99] 2.5	33.9 [9.94] 2.5	33.7 [9.88] 2.6	32.8 [9.61] 2.8	32.5 [9.52] 2.8	32.3 [9.47] 2.9	

IDB—Indoor air dry bulb

[] Designates Metric Conversions

COOLING PERFORMANCE DATA—TZHC4-42

		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①									
		71°F [21.7°C]			67°F [19.4°C]			63°F [17.2°C]			
wbE		1540 [727]	1400 [661]	1260 [595]	1540 [727]	1400 [661]	1260 [595]	1540 [727]	1400 [661]	1260 [595]	
CFM [L/s]											
DR ①		.17	.15	.14	.17	.15	.14	.17	.15	.14	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW] Sens BTUH [kW] Power	53.9 [5.80] 32.2 [9.44] 2.9	52.9 [15.50] 30.7 [9.00] 2.9	51.9 [15.21] 29.3 [8.59] 2.9	50.9 [14.92] 37.1 [10.87] 2.9	50.0 [14.65] 35.5 [10.40] 2.9	49.1 [14.39] 33.8 [9.91] 2.9	48.1 [14.10] 39.3 [11.52] 2.9	47.3 [13.86] 37.5 [10.99] 2.9	46.4 [13.60] 35.8 [10.49] 2.9
	80 [26.7]	Total BTUH [kW] Sens BTUH [kW] Power	52.0 [15.24] 31.3 [9.17] 3.1	51.0 [14.95] 29.9 [8.76] 3.1	50.1 [14.68] 28.5 [8.35] 3.1	49.0 [14.36] 36.3 [10.64] 3.1	48.1 [14.10] 34.7 [10.17] 3.1	47.2 [13.83] 33.0 [9.67] 3.0	46.2 [13.54] 38.4 [11.25] 3.1	45.4 [13.31] 36.7 [10.76] 3.1	44.6 [13.07] 35.0 [10.26] 3.0
	85 [29.4]	Total BTUH [kW] Sens BTUH [kW] Power	50.3 [14.74] 30.5 [8.94] 3.3	49.4 [14.48] 29.2 [8.56] 3.2	48.5 [14.21] 27.8 [8.15] 3.2	47.3 [13.86] 35.5 [10.40] 3.3	46.5 [13.63] 33.9 [9.94] 3.2	45.6 [13.36] 32.3 [9.47] 3.2	44.6 [13.07] 37.6 [11.02] 3.2	43.8 [12.84] 35.9 [10.52] 3.2	43.0 [12.60] 34.3 [10.05] 3.2
	90 [32.2]	Total BTUH [kW] Sens BTUH [kW] Power	48.7 [14.27] 29.8 [8.73] 3.4	47.9 [14.04] 28.4 [8.32] 3.4	47.0 [13.77] 27.1 [7.94] 3.4	45.8 [13.42] 34.7 [10.17] 3.4	44.9 [13.16] 33.2 [9.73] 3.4	44.1 [12.92] 31.6 [9.26] 3.4	43.0 [12.60] 36.8 [10.79] 3.4	42.2 [12.37] 35.2 [10.32] 3.4	41.5 [12.16] 33.6 [9.85] 3.4
	95 [35]	Total BTUH [kW] Sens BTUH [kW] Power	47.2 [13.83] 29.0 [8.50] 3.6	46.4 [13.60] 27.7 [8.12] 3.6	45.5 [13.33] 26.4 [7.74] 3.5	44.2 [12.95] 34.0 [9.96] 3.6	43.4 [12.72] 32.4 [9.50] 3.6	42.7 [12.51] 30.9 [9.06] 3.5	41.5 [12.16] 36.1 [10.58] 3.6	40.7 [11.93] 34.5 [10.11] 3.6	40.0 [11.72] 32.9 [9.64] 3.5
	100 [37.8]	Total BTUH [kW] Sens BTUH [kW] Power	45.6 [13.36] 28.2 [8.26] 3.8	44.8 [13.13] 26.9 [7.88] 3.7	44.0 [12.90] 25.7 [7.53] 3.7	42.6 [12.48] 33.2 [9.73] 3.8	41.9 [12.28] 31.7 [9.29] 3.7	41.1 [12.05] 30.2 [8.85] 3.7	39.9 [11.69] 35.3 [10.35] 3.7	39.2 [11.49] 33.7 [9.88] 3.7	38.5 [11.28] 32.1 [9.41] 3.7
	105 [40.6]	Total BTUH [kW] Sens BTUH [kW] Power	43.8 [12.84] 27.4 [8.03] 3.9	43.0 [12.60] 26.1 [7.65] 3.9	42.3 [12.40] 24.9 [7.30] 3.9	40.8 [11.96] 32.3 [9.47] 3.9	40.1 [11.75] 30.9 [9.06] 3.9	39.4 [11.55] 29.4 [8.62] 3.9	38.1 [11.17] 34.4 [10.08] 3.9	37.4 [10.96] 32.9 [9.64] 3.9	36.7 [10.76] 31.4 [9.20] 3.9
	110 [43.3]	Total BTUH [kW] Sens BTUH [kW] Power	41.7 [12.22] 26.4 [7.74] 4.1	41.0 [12.02] 25.2 [7.39] 4.1	40.2 [11.78] 24.1 [7.06] 4.0	38.8 [11.37] 31.4 [9.20] 4.1	38.1 [11.17] 30.0 [8.79] 4.1	37.4 [10.96] 28.6 [8.38] 4.0	36.0 [10.55] 33.5 [9.82] 4.1	35.4 [10.37] 32.0 [9.38] 4.1	34.7 [10.17] 30.5 [8.94] 4.0
	115 [46.1]	Total BTUH [kW] Sens BTUH [kW] Power	39.3 [11.52] 25.4 [7.44] 4.3	38.6 [11.31] 24.2 [7.09] 4.2	37.9 [11.11] 23.1 [6.77] 4.2	36.3 [10.64] 30.3 [8.88] 4.3	35.6 [10.43] 29.0 [8.50] 4.2	35.0 [10.26] 27.6 [8.09] 4.2	33.5 [9.82] 32.4 [9.50] 4.3	32.9 [9.64] 31.0 [9.09] 4.2	32.3 [9.47] 29.5 [8.65] 4.2

DR —Depression ratio
dbE —Entering air dry bulb
wbE —Entering air wet bulb

Total —Total capacity x 1000 BTUH
Sens —Sensible capacity x 1000 BTUH
Power —KW input

NOTES:

① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

HEATING PERFORMANCE DATA—TZHC4-42

		60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]			
IDB		1540 [727]	1400 [661]	1260 [595]	1540 [727]	1400 [661]	1260 [595]	1540 [727]	1400 [661]	1260 [595]	
CFM [L/s]											
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total BTUH [kW] Power	13.9 [4.07] 2.6	13.8 [4.04] 2.6	13.7 [4.02] 2.6	12.9 [3.78] 3.0	12.8 [3.75] 3.0	12.8 [3.75] 3.1	11.2 [3.28] 3.3	11.1 [3.25] 3.4	11.1 [3.25] 3.4
	5 [-15]	Total BTUH [kW] Power	16.9 [4.95] 2.6	16.8 [4.92] 2.6	16.7 [4.89] 2.7	16.0 [4.69] 3.0	15.8 [4.63] 3.1	15.7 [4.60] 3.1	14.2 [4.16] 3.4	14.1 [4.13] 3.4	14.0 [4.10] 3.5
	10 [-12.2]	Total BTUH [kW] Power	20.0 [5.86] 2.6	19.8 [5.80] 2.7	19.7 [5.77] 2.7	19.0 [5.57] 3.1	18.8 [5.51] 3.1	18.7 [5.48] 3.1	17.3 [5.07] 3.4	17.1 [5.01] 3.5	17.0 [4.98] 3.5
	15 [-9.4]	Total BTUH [kW] Power	23.0 [6.74] 2.7	22.8 [6.68] 2.7	22.6 [6.62] 2.7	22.0 [6.45] 3.1	21.8 [6.39] 3.1	21.7 [6.36] 3.2	20.3 [5.95] 3.5	20.1 [5.89] 3.5	20.0 [5.86] 3.5
	20 [-6.7]	Total BTUH [kW] Power	26.0 [7.62] 2.7	25.8 [7.56] 2.7	25.6 [7.50] 2.8	25.0 [7.33] 3.1	24.8 [7.27] 3.2	24.7 [7.24] 3.2	23.3 [6.83] 3.5	23.1 [6.77] 3.5	23.0 [6.74] 3.6
	25 [-3.9]	Total BTUH [kW] Power	29.0 [8.50] 2.8	28.8 [8.44] 2.8	28.6 [8.38] 2.8	28.0 [8.21] 3.2	27.8 [8.15] 3.2	27.6 [8.09] 3.3	26.3 [7.71] 3.5	26.1 [7.65] 3.6	25.9 [7.59] 3.6
	30 [-1.1]	Total BTUH [kW] Power	32.0 [9.38] 2.8	31.8 [9.32] 2.8	31.6 [9.26] 2.9	31.1 [9.11] 3.2	30.8 [9.03] 3.2	30.6 [8.97] 3.3	29.3 [8.59] 3.6	29.1 [8.53] 3.6	28.9 [8.47] 3.7
	35 [1.7]	Total BTUH [kW] Power	35.1 [10.29] 2.8	34.8 [10.20] 2.9	34.6 [10.14] 2.9	34.1 [9.99] 3.2	33.8 [9.91] 3.3	33.6 [9.85] 3.3	32.4 [9.50] 3.6	32.1 [9.41] 3.6	31.9 [9.35] 3.7
	40 [4.4]	Total BTUH [kW] Power	38.1 [11.17] 2.9	37.8 [11.08] 2.9	37.5 [10.99] 2.9	37.1 [10.87] 3.3	36.8 [10.79] 3.3	36.6 [10.73] 3.4	35.4 [10.37] 3.6	35.1 [10.29] 3.7	34.9 [10.23] 3.7
	45 [7.2]	Total BTUH [kW] Power	41.1 [12.05] 2.9	40.8 [11.96] 2.9	40.5 [11.87] 3.0	40.1 [11.75] 3.3	39.8 [11.66] 3.4	39.5 [11.58] 3.4	38.4 [11.25] 3.7	38.1 [11.17] 3.7	37.9 [11.11] 3.8
	50 [10]	Total BTUH [kW] Power	44.1 [12.92] 2.9	43.8 [12.84] 3.0	43.5 [12.75] 3.0	43.1 [12.63] 3.4	42.8 [12.54] 3.4	42.5 [12.46] 3.4	41.4 [12.13] 3.7	41.1 [12.05] 3.8	40.8 [11.96] 3.8

IDB—Indoor air dry bulb

[] Designates Metric Conversions

COOLING PERFORMANCE DATA — TZHC4-49C

wBE		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①													
		71°F [21.7°C]		67°F [19.4°C]		63°F [17.2°C]		61°F [16.1°C]		59°F [15.0°C]					
CFM [L/s]	DR	1760 [831]	1440 [680]	1600 [755]	1760 [831]	1440 [680]	1600 [755]	1760 [831]	1440 [680]	1600 [755]	1760 [831]	1440 [680]	1600 [755]	1760 [831]	1440 [680]
75 [23.9]	Total BTUH [kW]	59.3 [17.4]	57.1 [16.7]	58.2 [17.1]	54.1 [15.9]	53.1 [15.6]	51.2 [15.0]	49.4 [14.5]	48.5 [14.2]	46.9 [13.7]	47.8 [14.0]	47.6 [14.0]	46.9 [13.7]	46.0 [13.5]	46.0 [13.5]
	Sens BTUH [kW]	35.1 [10.3]	32.0 [9.4]	33.5 [9.8]	39.3 [11.5]	37.5 [11.0]	43.4 [12.7]	41.4 [12.1]	46.6 [13.7]	44.6 [13.1]	44.9 [13.0]	42.5 [12.4]	44.9 [13.0]	42.8 [12.6]	42.8 [12.6]
	Power	2.9	2.8	2.8	2.8	2.8	2.8	2.7	2.8	2.8	2.8	2.7	2.7	2.7	2.7
80 [26.7]	Total BTUH [kW]	57.6 [16.9]	55.5 [16.3]	56.5 [16.6]	52.5 [15.4]	51.5 [15.1]	48.6 [14.3]	47.8 [14.0]	46.9 [13.7]	46.0 [13.5]	46.1 [13.5]	46.0 [13.5]	45.3 [13.3]	44.4 [13.0]	44.4 [13.0]
	Sens BTUH [kW]	34.3 [10.0]	31.2 [9.1]	32.7 [9.6]	38.5 [11.3]	36.7 [10.8]	42.6 [12.5]	40.6 [11.9]	45.8 [13.4]	43.8 [12.8]	46.1 [13.5]	44.1 [12.2]	46.1 [13.5]	44.1 [12.2]	42.1 [12.3]
	Power	3.0	3.0	3.0	3.0	2.9	2.9	2.9	3.0	2.9	2.9	2.9	2.9	2.9	2.9
85 [29.4]	Total BTUH [kW]	55.9 [16.4]	53.9 [15.8]	54.9 [16.1]	50.8 [14.9]	49.9 [14.6]	47.0 [13.8]	46.1 [13.5]	45.2 [13.3]	43.0 [12.6]	45.2 [13.3]	44.4 [13.0]	43.6 [12.8]	42.8 [12.5]	42.8 [12.5]
	Sens BTUH [kW]	33.4 [9.8]	30.4 [8.9]	31.9 [9.4]	37.7 [11.1]	36.0 [10.5]	41.8 [12.3]	39.1 [11.7]	45.0 [13.2]	43.0 [12.6]	45.0 [13.2]	44.4 [13.0]	43.3 [12.7]	41.3 [12.1]	41.3 [12.1]
	Power	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
90 [32.2]	Total BTUH [kW]	54.2 [15.9]	52.3 [15.3]	53.2 [15.6]	49.2 [14.4]	48.3 [14.1]	45.3 [13.3]	44.5 [13.0]	44.4 [13.0]	42.2 [12.4]	44.4 [13.0]	42.8 [12.5]	42.2 [12.4]	41.2 [12.1]	41.2 [12.1]
	Sens BTUH [kW]	32.6 [9.6]	29.7 [8.7]	31.1 [9.1]	36.9 [10.8]	35.2 [10.3]	41.0 [12.0]	39.1 [11.5]	44.1 [12.9]	42.2 [12.4]	44.1 [12.9]	42.7 [12.5]	41.9 [12.3]	40.6 [11.9]	40.6 [11.9]
	Power	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
95 [35.0]	Total BTUH [kW]	52.5 [15.4]	50.6 [14.8]	51.6 [15.1]	47.5 [13.9]	46.6 [13.7]	43.7 [12.8]	42.9 [12.6]	42.7 [12.5]	41.9 [12.3]	42.7 [12.5]	41.1 [12.1]	40.3 [11.8]	39.5 [11.6]	39.5 [11.6]
	Sens BTUH [kW]	31.8 [9.3]	28.9 [8.5]	30.4 [8.9]	36.2 [10.6]	34.5 [10.1]	40.2 [11.8]	38.4 [11.2]	42.7 [12.5]	41.4 [12.1]	42.7 [12.5]	41.0 [12.0]	40.3 [11.8]	39.5 [11.6]	39.5 [11.6]
	Power	3.6	3.6	3.6	3.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
100 [37.8]	Total BTUH [kW]	50.8 [14.9]	49.0 [14.4]	49.9 [14.6]	45.8 [13.4]	45.0 [13.2]	42.0 [12.3]	41.2 [12.1]	41.0 [12.0]	40.2 [11.8]	41.0 [12.0]	39.5 [11.6]	38.6 [11.3]	37.9 [11.1]	37.9 [11.1]
	Sens BTUH [kW]	31.0 [9.1]	28.2 [8.3]	29.6 [8.7]	35.4 [10.4]	33.7 [9.9]	39.5 [11.6]	37.6 [11.0]	41.0 [12.0]	40.2 [11.8]	41.0 [12.0]	39.3 [11.5]	38.6 [11.3]	37.9 [11.1]	37.9 [11.1]
	Power	3.8	3.8	3.8	3.8	3.7	3.8	3.7	3.8	3.7	3.8	3.7	3.7	3.7	3.7
105 [40.6]	Total BTUH [kW]	49.1 [14.4]	47.3 [13.9]	48.2 [14.1]	44.1 [12.9]	43.3 [12.7]	40.3 [11.8]	39.6 [11.6]	39.2 [11.5]	38.5 [11.3]	39.2 [11.5]	37.8 [11.1]	36.9 [10.8]	36.2 [10.6]	36.2 [10.6]
	Sens BTUH [kW]	30.2 [8.8]	27.5 [8.1]	28.8 [8.4]	34.6 [10.1]	33.0 [9.7]	38.7 [11.3]	36.9 [10.8]	39.2 [11.5]	38.5 [11.3]	39.2 [11.5]	37.6 [11.1]	36.9 [10.8]	36.2 [10.6]	36.2 [10.6]
	Power	4.1	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9
110 [43.3]	Total BTUH [kW]	47.4 [13.9]	45.7 [13.4]	46.5 [13.6]	42.5 [12.4]	41.7 [12.2]	38.6 [11.3]	37.9 [11.1]	37.5 [11.0]	36.9 [10.8]	37.5 [11.0]	36.2 [10.6]	35.2 [10.3]	34.6 [10.1]	34.6 [10.1]
	Sens BTUH [kW]	29.4 [8.6]	26.8 [7.8]	28.1 [8.2]	33.9 [9.9]	32.3 [9.5]	37.9 [11.1]	36.2 [10.6]	37.5 [11.0]	36.9 [10.8]	37.5 [11.0]	35.9 [10.5]	35.2 [10.3]	34.6 [10.1]	34.6 [10.1]
	Power	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.3	4.2	4.2	4.2	4.2	4.2	4.2
115 [46.1]	Total BTUH [kW]	45.6 [13.4]	44.0 [12.9]	44.8 [13.1]	40.8 [11.9]	40.0 [11.7]	36.9 [10.8]	36.2 [10.6]	35.8 [10.5]	35.2 [10.3]	35.8 [10.5]	34.5 [10.1]	33.5 [9.8]	32.9 [9.6]	32.9 [9.6]
	Sens BTUH [kW]	28.6 [8.4]	26.0 [7.6]	27.3 [8.0]	33.1 [9.7]	31.6 [9.2]	36.9 [10.8]	35.5 [10.4]	35.8 [10.5]	35.2 [10.3]	35.8 [10.5]	34.5 [10.1]	33.5 [9.8]	32.9 [9.6]	32.9 [9.6]
	Power	4.6	4.5	4.6	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.4	4.5	4.5	4.4
120 [48.9]	Total BTUH [kW]	43.9 [12.9]	42.3 [12.4]	43.1 [12.6]	39.0 [11.4]	38.3 [11.2]	35.2 [10.3]	34.6 [10.1]	34.1 [10.0]	33.4 [9.8]	34.1 [10.0]	32.8 [9.6]	31.8 [9.3]	31.2 [9.2]	31.2 [9.2]
	Sens BTUH [kW]	27.8 [8.2]	25.3 [7.4]	26.6 [7.8]	30.9 [9.0]	30.9 [9.0]	35.2 [10.3]	34.6 [10.1]	34.1 [10.0]	33.4 [9.8]	34.1 [10.0]	32.8 [9.6]	31.8 [9.3]	31.2 [9.2]	31.2 [9.2]
	Power	4.9	4.8	4.8	4.8	4.8	4.8	4.7	4.8	4.8	4.8	4.7	4.7	4.7	4.7
125 [51.7]	Total BTUH [kW]	42.2 [12.4]	40.7 [11.9]	41.4 [12.1]	37.3 [10.9]	36.7 [10.7]	33.5 [9.8]	32.9 [9.6]	32.3 [9.5]	31.7 [9.3]	32.3 [9.5]	31.2 [9.1]	30.1 [8.8]	29.6 [8.7]	29.6 [8.7]
	Sens BTUH [kW]	27.0 [7.9]	24.6 [7.2]	25.8 [7.6]	31.6 [9.3]	30.1 [8.8]	34.1 [10.0]	32.9 [9.6]	32.3 [9.5]	31.7 [9.3]	32.3 [9.5]	31.2 [9.1]	30.1 [8.8]	29.6 [8.7]	29.6 [8.7]
	Power	5.2	5.1	5.1	5.1	5.1	5.1	5.0	5.1	5.0	5.1	5.0	5.0	5.0	5.0

DR — Depression ratio
dbE — Entering air dry bulb
wBE — Entering air wet bulb

Total — Total capacity x 1000 BTUH
Sens — Sensible capacity x 1000 BTUH
Power — kW input

NOTES:
① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding [1.10 x CFM x (1 - DR) x (dbE - 80)].

HEATING PERFORMANCE DATA—TZHC4-49C

IDB		60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]			
CFM [L/s]		1760 [831]	1600 [755]	1440 [680]	1760 [831]	1600 [755]	1440 [680]	1760 [831]	1600 [755]	1440 [680]	
O U T D O O R D R Y B U L B T E M P E R A T U R E ° F [° C]	0 [-17.8]	Total BTUH [kW] Power	15.9 [4.7] 2.5	15.8 [4.6] 2.5	15.7 [4.6] 2.5	14.5 [4.3] 2.9	14.4 [4.2] 2.9	14.3 [4.2] 2.9	13.2 [3.9] 3.2	13.1 [3.8] 3.3	13.0 [3.8] 3.3
	5 [-15]	Total BTUH [kW] Power	19.1 [5.6] 2.5	19.0 [5.6] 2.6	18.8 [5.5] 2.6	17.8 [5.2] 2.9	17.6 [5.2] 3.0	17.5 [5.1] 3.0	16.4 [4.8] 3.3	16.3 [4.8] 3.3	16.2 [4.7] 3.4
	10 [-12.2]	Total BTUH [kW] Power	22.3 [6.5] 2.6	22.2 [6.5] 2.6	22.0 [6.4] 2.7	21.0 [6.2] 3.0	20.8 [6.1] 3.0	20.7 [6.1] 3.0	19.7 [5.8] 3.4	19.5 [5.7] 3.4	19.4 [5.7] 3.4
	15 [-9.4]	Total BTUH [kW] Power	25.5 [7.5] 2.7	25.4 [7.4] 2.7	25.2 [7.4] 2.7	24.2 [7.1] 3.0	24.0 [7.0] 3.1	23.9 [7.0] 3.1	22.9 [6.7] 3.4	22.7 [6.7] 3.5	22.5 [6.6] 3.5
	20 [-6.7]	Total BTUH [kW] Power	28.8 [8.4] 2.7	28.6 [8.4] 2.7	28.4 [8.3] 2.8	27.4 [8.0] 3.1	27.2 [8.0] 3.1	27.0 [7.9] 3.2	26.1 [7.6] 3.5	25.9 [7.6] 3.5	25.7 [7.5] 3.6
	25 [-3.9]	Total BTUH [kW] Power	32.0 [9.4] 2.8	31.8 [9.3] 2.8	31.5 [9.2] 2.8	30.6 [9.0] 3.1	30.4 [8.9] 3.2	30.2 [8.9] 3.2	29.3 [8.6] 3.5	29.1 [8.5] 3.6	28.9 [8.5] 3.6
	30 [-1.1]	Total BTUH [kW] Power	35.2 [10.3] 2.8	35.0 [10.2] 2.9	34.7 [10.2] 2.9	33.9 [9.9] 3.2	33.6 [9.9] 3.2	33.4 [9.8] 3.3	32.5 [9.5] 3.6	32.3 [9.5] 3.6	32.1 [9.4] 3.7
	35 [1.7]	Total BTUH [kW] Power	38.4 [11.3] 2.9	38.2 [11.2] 2.9	37.9 [11.1] 2.9	37.1 [10.9] 3.3	36.8 [10.8] 3.3	36.6 [10.7] 3.3	35.8 [10.5] 3.6	35.5 [10.4] 3.7	35.2 [10.3] 3.7
	40 [4.4]	Total BTUH [kW] Power	41.6 [12.2] 2.9	41.4 [12.1] 3.0	41.1 [12.0] 3.0	40.3 [11.8] 3.3	40.0 [11.7] 3.3	39.7 [11.6] 3.4	39.0 [11.4] 3.7	38.7 [11.3] 3.7	38.4 [11.3] 3.8
	45 [7.2]	Total BTUH [kW] Power	44.9 [13.1] 3.0	44.5 [13.1] 3.0	44.2 [13.0] 3.1	43.5 [12.8] 3.4	43.2 [12.7] 3.4	42.9 [12.6] 3.4	42.2 [12.4] 3.7	41.9 [12.3] 3.8	41.6 [12.2] 3.8
50 [10]	Total BTUH [kW] Power	48.1 [14.1] 3.0	47.7 [14.0] 3.1	47.4 [13.9] 3.1	46.7 [13.7] 3.4	46.4 [13.6] 3.5	46.1 [13.5] 3.5	45.4 [13.3] 3.8	45.1 [13.2] 3.9	44.8 [13.1] 3.9	

IDB—Indoor air dry bulb

[] Designates Metric Conversions

COOLING PERFORMANCE DATA — TZHC4-49J

wBE		ENTERING INDOOR AIR @ 80°F [26.7°C] dbE ①										61°F [16.1°C]			59°F [15.0°C]		
		67°F [19.4°C]			63°F [17.2°C]			61°F [16.1°C]			59°F [15.0°C]						
CFM [L/s]		1760 [831]	1440 [680]	1600 [755]	1760 [831]	1600 [755]	1440 [680]	1760 [831]	1600 [755]	1440 [680]	1760 [831]	1600 [755]	1440 [680]	1760 [831]	1600 [755]	1440 [680]	
75 [23.9]	Total BTUH [kW]	59.3 [17.4]	57.1 [16.7]	54.1 [15.9]	53.1 [15.6]	51.2 [15.0]	49.4 [14.5]	49.4 [14.5]	48.5 [14.2]	47.6 [14.0]	47.8 [14.0]	46.9 [13.7]	46.0 [13.5]	47.8 [14.0]	46.9 [13.7]	46.0 [13.5]	
	Sens BTUH [kW]	35.1 [10.3]	32.0 [9.4]	33.5 [9.8]	37.5 [11.0]	45.4 [13.3]	41.4 [12.1]	41.4 [12.1]	44.6 [13.7]	43.4 [12.7]	43.4 [12.7]	44.9 [13.1]	42.5 [12.4]	44.9 [13.1]	44.9 [13.1]	42.8 [12.6]	
	Power	2.9	2.8	2.8	2.8	2.8	2.7	2.7	2.8	2.8	2.8	2.8	2.7	2.8	2.7	2.7	
80 [26.7]	Total BTUH [kW]	57.6 [16.9]	55.5 [16.3]	52.5 [15.4]	51.5 [15.1]	49.5 [14.5]	47.8 [14.0]	47.8 [14.0]	46.9 [13.7]	46.0 [13.5]	46.1 [13.5]	45.3 [13.3]	44.4 [13.0]	46.1 [13.5]	45.3 [13.3]	44.4 [13.0]	
	Sens BTUH [kW]	34.3 [10.0]	31.2 [9.1]	38.5 [11.3]	36.7 [10.8]	44.6 [13.1]	40.6 [11.9]	40.6 [11.9]	45.8 [13.4]	43.8 [12.8]	43.8 [12.8]	44.4 [13.0]	41.7 [12.2]	44.4 [13.0]	43.8 [12.8]	42.1 [12.3]	
	Power	3.0	3.0	3.0	2.9	3.0	2.9	2.9	3.0	2.9	2.9	3.0	2.9	2.9	2.9	2.9	
85 [29.4]	Total BTUH [kW]	55.9 [16.4]	53.9 [15.8]	50.8 [14.9]	49.9 [14.6]	47.8 [14.0]	46.1 [13.5]	46.1 [13.5]	45.2 [13.3]	44.4 [13.0]	44.4 [13.0]	43.8 [12.8]	42.8 [12.6]	44.4 [13.0]	43.8 [12.8]	42.8 [12.6]	
	Sens BTUH [kW]	33.4 [9.8]	30.4 [8.9]	37.7 [11.1]	36.0 [10.5]	43.8 [12.8]	39.1 [11.7]	39.1 [11.7]	45.0 [13.2]	43.0 [12.6]	43.0 [12.6]	44.4 [13.0]	41.0 [12.0]	44.4 [13.0]	43.8 [12.8]	41.3 [12.1]	
	Power	3.2	3.2	3.2	3.1	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	
90 [32.2]	Total BTUH [kW]	54.2 [15.9]	52.3 [15.3]	49.2 [14.4]	48.3 [14.1]	46.2 [13.5]	44.5 [13.0]	44.5 [13.0]	43.6 [12.8]	42.8 [12.6]	42.7 [12.5]	42.7 [12.5]	41.9 [12.3]	42.7 [12.5]	42.7 [12.5]	41.2 [12.1]	
	Sens BTUH [kW]	32.6 [9.6]	29.7 [8.7]	36.9 [10.8]	35.2 [10.3]	42.9 [12.6]	39.1 [11.5]	39.1 [11.5]	44.1 [13.0]	42.1 [12.0]	42.1 [12.0]	44.1 [13.0]	40.2 [11.8]	44.1 [13.0]	43.6 [12.8]	40.6 [11.9]	
	Power	3.4	3.4	3.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	
95 [35.0]	Total BTUH [kW]	52.5 [15.4]	50.6 [14.8]	47.5 [13.9]	46.6 [13.7]	44.5 [13.0]	42.9 [12.6]	42.9 [12.6]	42.7 [12.5]	41.9 [12.3]	41.9 [12.3]	41.4 [12.1]	40.3 [11.8]	41.9 [12.3]	41.4 [12.1]	39.5 [11.6]	
	Sens BTUH [kW]	31.8 [9.3]	28.9 [8.5]	36.2 [10.6]	34.5 [10.1]	42.1 [12.3]	38.4 [11.2]	38.4 [11.2]	42.7 [12.5]	41.4 [12.1]	41.4 [12.1]	42.7 [12.5]	39.5 [11.6]	42.7 [12.5]	41.4 [12.1]	39.5 [11.6]	
	Power	3.6	3.6	3.6	3.5	3.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	
100 [37.8]	Total BTUH [kW]	50.8 [14.9]	49.0 [14.4]	45.8 [13.4]	45.0 [13.2]	42.8 [12.5]	41.2 [12.1]	41.2 [12.1]	41.0 [12.0]	40.2 [11.8]	40.2 [11.8]	39.5 [11.6]	38.7 [11.3]	39.3 [11.5]	38.6 [11.3]	37.9 [11.1]	
	Sens BTUH [kW]	31.0 [9.1]	29.6 [8.7]	37.0 [10.9]	33.7 [9.9]	41.3 [12.1]	37.6 [11.0]	37.6 [11.0]	41.0 [12.0]	40.2 [11.8]	40.2 [11.8]	39.3 [11.5]	38.7 [11.3]	39.3 [11.5]	38.6 [11.3]	37.9 [11.1]	
	Power	3.8	3.8	3.8	3.7	3.8	3.7	3.7	3.8	3.8	3.8	3.8	3.7	3.8	3.7	3.7	
105 [40.6]	Total BTUH [kW]	49.1 [14.4]	47.3 [13.9]	44.1 [12.9]	43.3 [12.7]	41.0 [12.0]	39.6 [11.6]	39.6 [11.6]	39.2 [11.5]	38.5 [11.3]	38.5 [11.3]	37.8 [11.1]	37.0 [10.8]	37.6 [11.0]	36.9 [10.8]	36.2 [10.6]	
	Sens BTUH [kW]	30.2 [8.8]	27.5 [8.1]	34.6 [10.1]	33.0 [9.7]	40.5 [11.9]	36.9 [10.8]	36.9 [10.8]	39.2 [11.5]	38.5 [11.3]	38.5 [11.3]	37.8 [11.1]	37.0 [10.8]	37.6 [11.0]	36.9 [10.8]	36.2 [10.6]	
	Power	4.1	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9	4.0	4.0	3.9	
110 [43.3]	Total BTUH [kW]	47.4 [13.9]	45.7 [13.4]	42.5 [12.4]	41.7 [12.2]	39.3 [11.5]	37.9 [11.1]	37.9 [11.1]	37.5 [11.0]	36.9 [10.8]	36.9 [10.8]	36.2 [10.6]	35.5 [10.3]	35.9 [10.5]	35.2 [10.3]	34.6 [10.1]	
	Sens BTUH [kW]	29.4 [8.6]	26.8 [7.8]	33.9 [9.9]	32.3 [9.5]	39.9 [11.5]	36.2 [10.6]	36.2 [10.6]	37.5 [11.0]	36.9 [10.8]	36.9 [10.8]	36.2 [10.6]	35.5 [10.3]	35.9 [10.5]	35.2 [10.3]	34.6 [10.1]	
	Power	4.3	4.3	4.3	4.2	4.3	4.2	4.2	4.3	4.3	4.3	4.2	4.2	4.2	4.2	4.2	
115 [46.1]	Total BTUH [kW]	45.6 [13.4]	44.0 [12.9]	40.8 [11.9]	40.0 [11.7]	37.6 [11.0]	36.2 [10.6]	36.2 [10.6]	35.8 [10.5]	35.2 [10.3]	35.2 [10.3]	34.5 [10.1]	33.8 [9.8]	34.1 [10.0]	33.5 [9.8]	32.9 [9.6]	
	Sens BTUH [kW]	28.6 [8.4]	26.0 [7.6]	33.1 [9.7]	31.6 [9.2]	37.6 [11.0]	35.5 [10.4]	35.5 [10.4]	35.8 [10.5]	35.2 [10.3]	35.2 [10.3]	34.5 [10.1]	33.8 [9.8]	34.1 [10.0]	33.5 [9.8]	32.9 [9.6]	
	Power	4.6	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.4	4.5	4.5	4.5	4.4	
120 [48.9]	Total BTUH [kW]	43.9 [12.9]	43.1 [12.6]	39.9 [11.4]	38.3 [11.2]	35.9 [10.5]	34.6 [10.1]	34.6 [10.1]	34.1 [10.0]	33.4 [9.8]	33.4 [9.8]	32.8 [9.6]	32.1 [9.2]	32.4 [9.5]	31.8 [9.3]	31.2 [9.2]	
	Sens BTUH [kW]	27.8 [8.2]	26.6 [7.8]	30.9 [9.0]	30.9 [9.0]	35.9 [10.5]	34.6 [10.1]	34.6 [10.1]	34.1 [10.0]	33.4 [9.8]	33.4 [9.8]	32.8 [9.6]	32.1 [9.2]	32.4 [9.5]	31.8 [9.3]	31.2 [9.2]	
	Power	4.9	4.8	4.8	4.8	4.8	4.7	4.7	4.8	4.8	4.8	4.7	4.7	4.8	4.7	4.7	
125 [51.7]	Total BTUH [kW]	42.2 [12.4]	41.4 [12.1]	37.3 [10.9]	36.7 [10.7]	34.1 [10.0]	32.9 [9.6]	32.9 [9.6]	32.3 [9.5]	31.7 [9.3]	31.7 [9.3]	31.2 [9.1]	30.7 [9.0]	30.7 [9.0]	30.1 [8.8]	29.6 [8.7]	
	Sens BTUH [kW]	27.0 [7.9]	25.8 [7.6]	31.6 [9.3]	30.1 [8.8]	34.1 [10.0]	32.9 [9.6]	32.9 [9.6]	32.3 [9.5]	31.7 [9.3]	31.7 [9.3]	31.2 [9.1]	30.7 [9.0]	30.7 [9.0]	30.1 [8.8]	29.6 [8.7]	
	Power	5.2	5.1	5.1	5.1	5.1	5.0	5.0	5.1	5.1	5.1	5.0	5.0	5.1	5.0	5.0	

DR — Depression ratio
dbE — Entering air dry bulb
wBE — Entering air wet bulb

Total — Total capacity x 1000 BTUH
Sens — Sensible capacity x 1000 BTUH
Power — kW input

NOTES:
① When the entering air dry bulb is other than 80°F [27°C], adjust the sensible capacity from the table by adding $[1.10 \times \text{CFM} \times (1 - \text{DR}) \times (\text{dbE} - 80)]$.

HEATING PERFORMANCE DATA—TZHC4-49J

IDB		60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]			
CFM [L/s]		1760 [831]	1600 [755]	1440 [680]	1760 [831]	1600 [755]	1440 [680]	1760 [831]	1600 [755]	1440 [680]	
O U T D O O R D R Y B U L B T E M P E R A T U R E	0 [-17.8]	Total BTUH [kW] Power	15.9 [4.7] 2.5	15.8 [4.6] 2.5	15.7 [4.6] 2.5	14.5 [4.3] 2.9	14.4 [4.2] 2.9	14.3 [4.2] 2.9	13.2 [3.9] 3.2	13.1 [3.8] 3.3	13.0 [3.8] 3.3
	5 [-15]	Total BTUH [kW] Power	19.1 [5.6] 2.5	19.0 [5.6] 2.6	18.8 [5.5] 2.6	17.8 [5.2] 2.9	17.6 [5.2] 3.0	17.5 [5.1] 3.0	16.4 [4.8] 3.3	16.3 [4.8] 3.3	16.2 [4.7] 3.4
	10 [-12.2]	Total BTUH [kW] Power	22.3 [6.5] 2.6	22.2 [6.5] 2.6	22.0 [6.4] 2.7	21.0 [6.2] 3.0	20.8 [6.1] 3.0	20.7 [6.1] 3.0	19.7 [5.8] 3.4	19.5 [5.7] 3.4	19.4 [5.7] 3.4
	15 [-9.4]	Total BTUH [kW] Power	25.5 [7.5] 2.7	25.4 [7.4] 2.7	25.2 [7.4] 2.7	24.2 [7.1] 3.0	24.0 [7.0] 3.1	23.9 [7.0] 3.1	22.9 [6.7] 3.4	22.7 [6.7] 3.5	22.5 [6.6] 3.5
	20 [-6.7]	Total BTUH [kW] Power	28.8 [8.4] 2.7	28.6 [8.4] 2.7	28.4 [8.3] 2.8	27.4 [8.0] 3.1	27.2 [8.0] 3.1	27.0 [7.9] 3.2	26.1 [7.6] 3.5	25.9 [7.6] 3.5	25.7 [7.5] 3.6
	25 [-3.9]	Total BTUH [kW] Power	32.0 [9.4] 2.8	31.8 [9.3] 2.8	31.5 [9.2] 2.8	30.6 [9.0] 3.1	30.4 [8.9] 3.2	30.2 [8.9] 3.2	29.3 [8.6] 3.5	29.1 [8.5] 3.6	28.9 [8.5] 3.6
	30 [-1.1]	Total BTUH [kW] Power	35.2 [10.3] 2.8	35.0 [10.2] 2.9	34.7 [10.2] 2.9	33.9 [9.9] 3.2	33.6 [9.9] 3.2	33.4 [9.8] 3.3	32.5 [9.5] 3.6	32.3 [9.5] 3.6	32.1 [9.4] 3.7
	35 [1.7]	Total BTUH [kW] Power	38.4 [11.3] 2.9	38.2 [11.2] 2.9	37.9 [11.1] 2.9	37.1 [10.9] 3.3	36.8 [10.8] 3.3	36.6 [10.7] 3.3	35.8 [10.5] 3.6	35.5 [10.4] 3.7	35.2 [10.3] 3.7
	40 [4.4]	Total BTUH [kW] Power	41.6 [12.2] 2.9	41.4 [12.1] 3.0	41.1 [12.0] 3.0	40.3 [11.8] 3.3	40.0 [11.7] 3.3	39.7 [11.6] 3.4	39.0 [11.4] 3.7	38.7 [11.3] 3.7	38.4 [11.3] 3.8
	45 [7.2]	Total BTUH [kW] Power	44.9 [13.1] 3.0	44.5 [13.1] 3.0	44.2 [13.0] 3.1	43.5 [12.8] 3.4	43.2 [12.7] 3.4	42.9 [12.6] 3.4	42.2 [12.4] 3.7	41.9 [12.3] 3.8	41.6 [12.2] 3.8
50 [10]	Total BTUH [kW] Power	48.1 [14.1] 3.0	47.7 [14.0] 3.1	47.4 [13.9] 3.1	46.7 [13.7] 3.4	46.4 [13.6] 3.5	46.1 [13.5] 3.5	45.4 [13.3] 3.8	45.1 [13.2] 3.9	44.8 [13.1] 3.9	

IDB—Indoor air dry bulb

[] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE — 208 VOLTS

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory	Manufacturer Recommended Air-Flow Range (Min/Max) CFM	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed	External Static Pressure Inches W.C. [kPa] Side Discharge Wet Coil								
					0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]	
2.0 [7.03]	High (Tap 1)	700 CFM/900 CFM [271/319 L/s]	9x7 Blower 1/3 HP [249] 3 Speed (X13 Motor)	Low (Tap 1)	CFM	847 [400]	818 [386]	788 [372]	765 [361]	737 [348]	695 [328]	659 [311]	581 [274]
					RPM	892	818	788	765	737	695	659	581
					Watts	145	147	156	157	164	167	167	155
2.5 [8.79]	Low (Tap 1)	875 CFM/1125 CFM [413/531 L/s]	10x9 Blower 1/2 HP [372] 3 Speed (X13 Motor)	High (Tap 2)	CFM	914 [431]	887 [419]	853 [403]	824 [389]	793 [374]	762 [360]	717 [338]	602 [284]
					RPM	934	971	1024	1053	1083	1121	1135	1155
					Watts	173	177	185	186	188	192	185	164
3.0 [10.55]	Low (Tap 1)	1050 CFM/1350 CFM [496/637 L/s]	10x9 Blower 1/2 HP [372] 3 Speed (X13 Motor)	Low (Tap 1)	CFM	1067 [504]	1034 [488]	992 [468]	957 [452]	912 [430]	820 [387]	778 [367]	729 [344]
					RPM	719	749	791	819	876	952	983	1024
					Watts	143	145	155	159	169	182	185	192
3.5 [12.31]	Low (Tap 1)	1225 CFM/1575 CFM [578/743 L/s]	10x9 Blower 1/2 HP [372] 3 Speed (X13 Motor)	Medium (Tap 2)	CFM	1165 [550]	1132 [534]	1091 [515]	1051 [496]	1009 [476]	959 [453]	855 [404]	819 [387]
					RPM	744	785	833	864	905	951	1020	1053
					Watts	167	177	188	191	202	206	217	351
4.0 [14.07]	Low (Tap 1)	1350 CFM/1700 CFM [496/802 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	High (Tap 3)	CFM	1252 [591]	1213 [572]	1166 [550]	1137 [537]	1099 [519]	1046 [494]	986 [465]	892 [421]
					RPM	796	826	868	893	934	982	1026	1086
					Watts	206	210	219	225	234	245	248	256
3.0 [10.55]	Low (Tap 1)	1050 CFM/1350 CFM [496/637 L/s]	10x9 Blower 1/2 HP [372] 3 Speed (X13 Motor)	Low (Tap 1)	CFM	1247 [589]	1220 [576]	1178 [556]	1143 [539]	1099 [519]	1064 [502]	998 [471]	904 [427]
					RPM	784	819	863	890	932	957	1012	1075
					Watts	200	208	219	224	233	236	246	256
3.5 [12.31]	Low (Tap 1)	1225 CFM/1575 CFM [578/743 L/s]	10x9 Blower 1/2 HP [372] 3 Speed (X13 Motor)	Medium (Tap 2)	CFM	1307 [617]	1292 [610]	1238 [584]	1214 [573]	1170 [552]	1135 [536]	1087 [513]	989 [467]
					RPM	820	850	889	918	944	981	1028	1087
					Watts	233	242	248	255	262	268	277	284
3.5 [12.31]	Low (Tap 1)	1225 CFM/1575 CFM [578/743 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	High (Tap 3)	CFM	1396 [659]	1357 [640]	1334 [630]	1286 [607]	1253 [591]	1207 [570]	1163 [549]	1103 [521]
					RPM	864	898	920	942	976	1010	1043	1089
					Watts	268	280	288	292	299	304	310	316
3.5 [12.31]	Low (Tap 1)	1225 CFM/1575 CFM [578/743 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	Low (Tap 1)	CFM	1455 [687]	1431 [675]	1396 [659]	1360 [642]	1315 [621]	1285 [606]	1241 [586]	
					RPM	824	856	889	931	968	1009	1041	
					Watts	268	280	288	303	311	325	331	
4.0 [14.07]	Low (Tap 1)	1350 CFM/1700 CFM [496/802 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	High (Tap 2)	CFM	1559 [736]	1530 [722]	1488 [702]	1454 [686]	1417 [669]	1375 [649]	1336 [631]	
					RPM	870	893	932	968	1007	1036	1072	
					Watts	321	327	338	351	364	371	381	
4.0 [14.07]	Low (Tap 1)	1350 CFM/1700 CFM [496/802 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	Low (Tap 1)	CFM	1675 [791]	1658 [782]	1610 [760]	1580 [746]	1535 [724]	1491 [704]	1422 [671]	
					RPM	923	944	979	1013	1045	1077	1098	
					Watts	390	401	412	425	433	440	432	
4.0 [14.07]	Low (Tap 1)	1350 CFM/1700 CFM [496/802 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	High (Tap 2)	CFM	1770 [835]	1751 [826]	1706 [805]	1672 [789]	1624 [766]	1555 [734]	1463 [690]	
					RPM	966	989	1018	1050	1078	1100	1115	
					Watts	454	466	473	486	490	481	460	

NOTE: Effect of electric heat strip on airflow performance is negligible.

DOWN DISCHARGE PRESSURE DROP (ADD TO EXTERNAL STATIC PRESSURE)			
CFM [L/s]	600 [283]	1000 [472]	1600 [775]
Pressure Drop—Inches W.C. [kPa]	.00	.02 [.005]	.07 [.017]
		1200 [566]	1400 [661]
		.03 [.007]	.05 [.012]

[] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE – 230 VOLTS

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory	Manufacturer Recommended Air-Flow Range (Min/Max) CFM	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed	External Static Pressure Inches W.C. [kPa] Side Discharge Wet Coil									
					0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]		
2.0 [7.03]	Low (Tap 1)	700 CFM/900 CFM [271/319 L/s]	9x7 Blower 1/3 HP [249] 3 Speed (X13 Motor)	Low (Tap 1)	CFM	862 [407]	834 [394]	819 [387]	781 [369]	761 [359]	729 [344]	695 [328]	606 [286]	
				Medium (Tap 2)	RPM	889	953	974	1018	1065	1101	1133	1156	
				High (Tap 2)	Watts	151	159	162	166	173	176	180	185	165
	2.5 [8.79]	Low (Tap 1)	875 CFM/1125 CFM [413/531 L/s]	10x9 Blower 1/2 HP [372] 3 Speed (X13 Motor)	Low (Tap 1)	CFM	918 [433]	888 [419]	874 [412]	838 [395]	819 [387]	781 [369]	711 [336]	616 [291]
					Medium (Tap 2)	RPM	953	988	1032	1060	1091	1126	1146	1157
					High (Tap 3)	Watts	181	184	194	198	200	204	189	168
3.0 [10.55]	Low (Tap 1)	1050 CFM/1350 CFM [496/637 L/s]	10x9 Blower 1/2 HP [372] 3 Speed (X13 Motor)	Low (Tap 1)	CFM	1076 [508]	1041 [491]	1017 [480]	970 [458]	928 [438]	852 [402]	785 [370]	745 [352]	
				Medium (Tap 2)	RPM	715	753	787	825	877	946	1005	1032	
				High (Tap 3)	Watts	144	148	157	169	175	187	198	202	
	3.5 [12.31]	Low (Tap 1)	1225 CFM/1575 CFM [578/743 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	Low (Tap 1)	CFM	1187 [560]	1124 [530]	1096 [517]	1071 [505]	1024 [483]	987 [466]	896 [423]	852 [402]
					Medium (Tap 2)	RPM	762	799	832	859	914	940	1021	1059
					High (Tap 3)	Watts	176	182	191	196	209	212	227	235
4.0 [14.07]	Low (Tap 1)	1350 CFM/1700 CFM [496/802 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	Low (Tap 1)	CFM	1271 [600]	1223 [577]	1169 [552]	1137 [537]	1104 [521]	1071 [505]	1015 [479]	934 [441]	
				Medium (Tap 2)	RPM	797	836	878	905	939	974	1026	1089	
				High (Tap 3)	Watts	212	217	227	231	241	247	257	270	
	4.0 [14.07]	Low (Tap 1)	1350 CFM/1700 CFM [496/802 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	Low (Tap 1)	CFM	1258 [594]	1215 [573]	1200 [566]	1160 [547]	1130 [533]	1082 [511]	1026 [484]	954 [450]
					Medium (Tap 2)	RPM	802	829	861	894	933	971	1020	1077
					High (Tap 3)	Watts	210	217	225	230	239	245	259	268
3.5 [12.31]	Low (Tap 1)	1225 CFM/1575 CFM [578/743 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	Low (Tap 1)	CFM	1336 [631]	1298 [613]	1259 [594]	1229 [580]	1198 [565]	1160 [547]	1116 [527]	1071 [505]	
				Medium (Tap 2)	RPM	821	867	903	920	957	993	1038	1071	
				High (Tap 3)	Watts	239	249	259	262	275	279	290	299	
	3.5 [12.31]	Low (Tap 1)	1225 CFM/1575 CFM [578/743 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	Low (Tap 1)	CFM	1416 [668]	1379 [651]	1342 [633]	1292 [610]	1275 [602]	1240 [585]	1200 [566]	1168 [551]
					Medium (Tap 2)	RPM	874	898	933	952	993	1011	1060	1091
					High (Tap 3)	Watts	285	290	299	304	314	322	328	337
4.0 [14.07]	Low (Tap 1)	1350 CFM/1700 CFM [496/802 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	Low (Tap 1)	CFM	1467 [692]	1439 [679]	1408 [665]	1360 [642]	1331 [628]	1287 [607]	1259 [594]		
				Medium (Tap 2)	RPM	831	854	894	932	972	1005	1042		
				High (Tap 3)	Watts	276	282	297	307	319	326	341		
	4.0 [14.07]	Low (Tap 1)	1350 CFM/1700 CFM [496/802 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	Low (Tap 1)	CFM	1550 [732]	1520 [717]	1486 [701]	1449 [684]	1407 [664]	1382 [652]	1337 [631]	
					Medium (Tap 2)	RPM	867	890	930	974	1003	1039	1073	
					High (Tap 3)	Watts	317	323	339	355	362	377	385	
4.0 [14.07]	Low (Tap 1)	1350 CFM/1700 CFM [496/802 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	Low (Tap 1)	CFM	1692 [799]	1661 [784]	1633 [771]	1589 [750]	1560 [736]	1512 [714]	1442 [681]		
				Medium (Tap 2)	RPM	931	950	982	1018	1054	1082	1103		
				High (Tap 3)	Watts	404	409	424	434	450	453	443		
	4.0 [14.07]	Low (Tap 1)	1350 CFM/1700 CFM [496/802 L/s]	10x9 Blower 3/4 HP [559] 2 Speed (X13 Motor)	Low (Tap 1)	CFM	1748 [825]	1718 [811]	1686 [796]	1647 [777]	1616 [778]	1543 [779]	1472 [780]	
					Medium (Tap 2)	RPM	955	978	1010	1043	1073	1096	1111	
					High (Tap 3)	Watts	440	446	462	475	484	473	459	

NOTE: Effect of electric heat strip on airflow performance is negligible.

DOWN DISCHARGE PRESSURE DROP (ADD TO EXTERNAL STATIC PRESSURE)			
CFM [L/s]	600 [283]	1000 [472]	1600 [775]
Pressure Drop—Inches W.C. [kPa]	.00	.02 [.005]	.07 [.017]
		1200 [566]	1400 [661]
		.03 [.007]	.05 [.012]

[] Designates Metric Conversions

ELECTRICAL DATA – TZCH4 SERIES

		-B024JC	-B025JC	-B030JC	-B036CC	-B036JC	-B042CC	-B042JC	-B049CC	-B049JC
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253
	Minimum Circuit Ampacity	21/21	21/21	24/24	19/19	27/27	25/25	33/33	26	33
	Minimum Overcurrent Protection Device Size	25/25	25/25	25/25	20/20	30/30	30/30	35/35	30	40
	Maximum Overcurrent Protection Device Size	30/30	30/30	35/35	25/25	40/40	35/35	50/50	35	50
Compressor Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	208/230	200/230	208/230
	Phase	1	1	1	3	1	3	1	3	1
	HP	2	2	2 1/2	3	3	3 1/2	3 1/2	3500	3500
	RPM	3450	3450	3450	3450	3450	3450	3450	4	4
	Amps (RLA)	12.8/12.8	12.8/12.8	14.1/14.1	10.4/10.4	16.7/16.7	13.1/13.1	19.9/19.9	13.7	19.6
	Amps (LRA)	58.3/58.3	58.3/58.3	73/73	88/88	79/79	83.1/83.1	109/109	83.1	130
Condenser Motor	No.	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1	1	1	1	1
	HP	1/5	1/3	1/5	1/5	1/5	1/3	1/3	1/3	1/3
	Amps (FLA)	1.3	1.3/1.3	1.3	1.3	1.3	2	2	2	2
	Amps (LRA)	2.2	0/0	2.2	2.2	2.2	3.9	3.9	3.9	3.9
Evaporator Fan	No.	1	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1	1	1	1	1
	HP	1/3	1/3	1/2	1/2	1/2	3/4	3/4	3/4	3/4
	Amps (FLA)	2.8	2.8/2.8	4.1	4.1	4.1	6	6	6	6
	Amps (LRA)	0	0/0	0	0	0	0	0	0	0

1. Horsepower Per Compressor.
2. Amp Draw Per Motor. Multiply Value By Number of Motors to Determine Total Amps.

Unit Model Application	Electric Heater Kit Models
TZCH4-24JC & TZCH4-25JC	RXQJ-A05J (208-240 volt, 1-ph, 5kW)
	RXQJ-A10J (208-240 volt, 1-ph, 10kW)
TZCH4-30JC	RXQJ-A05J (208-240 volt, 1-ph, 5kW)
	RXQJ-A10J (208-240 volt, 1-ph, 10kW)
TZCH4-36JC	RXQJ-A10J (208-240 volt, 1-ph, 10kW)
	RXQJ-A15J (208-240 volt, 1-ph, 15kW)
TZCH4-42JC	RXQJ-B10J (208-240 volt, 1-ph, 10kW)
	RXQJ-B15J (208-240 volt, 1-ph, 15kW)
TZCH4-49JC	RXQJ-B10J (208-240 volt, 1-ph, 10kW)
	RXQJ-B15J (208-240 volt, 1-ph, 15kW)
TZCH4-36CC	RXQJ-A10C (208-240 volt, 3-ph, 10kW)
	RXQJ-A15C (208-240 volt, 3-ph, 15kW)
TZCH4-42CC	RXQJ-A10C (208-240 volt, 3-ph, 10kW)
	RXQJ-A15C (208-240 volt, 3-ph, 15kW)
TZCH4-49CC	RXQJ-A10C (208-240 volt, 3-ph, 10kW)
	RXQJ-A15C (208-240 volt, 3-ph, 15kW)

WARNING

ONLY ELECTRIC HEATER KITS SUPPLIED BY THIS MANUFACTURER AS DESCRIBED IN THIS PUBLICATION HAVE BEEN DESIGNED, TESTED, AND EVALUATED BY A NATIONALLY RECOGNIZED SAFETY TESTING AGENCY FOR USE WITH THIS UNIT. USE OF ANY OTHER MANUFACTURED ELECTRIC HEATERS INSTALLED WITHIN THIS UNIT MAY CAUSE HAZARDOUS CONDITIONS RESULTING IN PROPERTY DAMAGE, FIRE, BODILY INJURY OR DEATH.

208-240 VOLT, SINGLE PHASE, 60 HZ, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION

Single Power Supply For Both Unit and Heater Kit

Unit Model No. TZHC4	Heater Kit						Heater Pump			Heater Kit			Heater Pump				
	RXQJ-Heater Kit Nominal kW	No. of Elements	No. of Sequence Steps	Rated Heater kW @ 208/240 V	Heater KBTU/Hr @ 208/240 V	Heater Amp. @ 208/240 V	Unit Min. Ampacity @ 208/240 V	Over Current Protective Device Size Min./Max. @ 208 V	Min. Ckt. Ampacity 208/240 V	Max. Fuse Size 208/240V	Min. Circuit Ampacity 208/240 V	Over Current Protective Device Size Min./Max. @ 208 V	Min./Max. @ 240 V	Min. Ckt. Ampacity 208/240V	Max. Fuse Size 208/240V	Min. Circuit Ampacity 208/240 V	Over Current Protective Device Size Min./Max. @ 208 V
B024JC B025JC	No Heat A05J A10J	1 2	— 1 2	— 3.6/4.8 7.2/9.6	— 12.28/16.38 24.56/32.75	— 17.3/20.0 34.6/40.0	21/21 42/46 64/71	30/30 50/50 70/80	— 22/25 44/50	— 25/25 45/50	— — —	30/30 50/50 70/80	— — —	— — —	— — —	— — —	30/30 — —
B030JC	No Heat A05J A10J	1 2	— 1 2	— 3.6/4.8 7.2/9.6	— 12.28/16.38 24.56/32.75	— 17.3/20.0 34.6/40.0	24/24 45/49 67/74	35/35 50/50 70/80	— 22/25 44/50	— 25/25 45/50	— — —	35/35 50/50 70/80	— — —	— — —	— — —	— — —	35/35 — —
B036JC	No Heat A10J A15J	2 3	— 2 2	— 7.2/9.6 10.8/14.4	— 24.56/32.75 36.84/49.13	— 34.6/40.0 51.9/60.0	27/27 70/77 92/102	40/40 70/80 100/110	— 44/50 65/75	— 45/50 70/80	— — —	40/40 70/80 100/110	— — —	— — —	— — —	— — —	40/40 — —
B042JC	No Heat B10J B15J	2 3	— 2 2	— 7.2/9.6 10.8/14.4	— 24.56/32.75 36.84/49.13	— 34.6/40.0 51.9/60.0	27/27 77/83 98/108	50/50 80/90 100/110	— 44/50 65/75	— 45/50 70/80	— — —	50/50 80/90 100/110	— — —	— — —	— — —	— — —	50/50 — —
B049JC	No Heat B10J B15J	2 3	— 1 1	— 7.2/9.6 10.8/14.4	— 24.57/32.76 36.85/49.13	— 34.6/40.0 51.9/60.0	33/33 76/83 98/108	40/50 80/80 100/100	— 44/50 65/75	— 45/50 70/80	— — —	40/50 80/80 100/100	— — —	— — —	— — —	— — —	40/50 40/50 40/50

Separate Power Supply For Both Unit and Heater Kit

Unit Model No. TZHC4	Heater Kit						Heater Pump			Heater Kit			Heater Pump				
	RXQJ-Heater Kit Nominal kW	No. of Elements	No. of Sequence Steps	Rated Heater kW @ 208/240 V	Heater KBTU/Hr @ 208/240 V	Heater Amp. @ 208/240 V	Unit Min. Ampacity @ 208/240 V	Over Current Protective Device Size Min./Max. @ 208 V	Min. Ckt. Ampacity 208/240 V	Max. Fuse Size 208/240V	Min. Circuit Ampacity 208/240 V	Over Current Protective Device Size Min./Max. @ 208 V	Min./Max. @ 240 V	Min. Ckt. Ampacity 208/240V	Max. Fuse Size 208/240V	Min. Circuit Ampacity 208/240 V	Over Current Protective Device Size Min./Max. @ 208 V
B036CC	No Heat A10C A15C	3 3	— 3 3	— 7.2/9.6 10.8/14.4	— 24.56/32.75 36.84/49.13	— 20.0/23.1 30.1/34.7	19/19 44/48 57/62	25/25 45/50 60/70	— 25/29 38/44	— 25/30 40/45	— — —	25/25 45/50 60/70	— — —	— — —	— — —	— — —	25/25 — —
B042CC	No Heat A10C A15C	3 3	— 3 3	— 7.2/9.6 10.8/14.4	— 24.56/32.75 36.84/49.13	— 20.0/23.1 30.1/34.7	25/25 50/54 63/68	35/35 50/60 70/70	— 25/29 38/44	— 25/30 40/45	— — —	35/35 50/60 70/70	— — —	— — —	— — —	— — —	35/35 — —
B049CC	No Heat A10C A15C	3 3	— 1 1	— 7.2/9.6 10.8/14.4	— 24.57/32.76 36.85/49.13	— 20.0/23.1 30.1/34.7	26/26 51/54 63/69	30/35 60/60 70/70	— 25/29 38/44	— 25/30 40/45	— — —	30/35 60/60 70/70	— — —	— — —	— — —	— — —	30/35 30/35 30/35

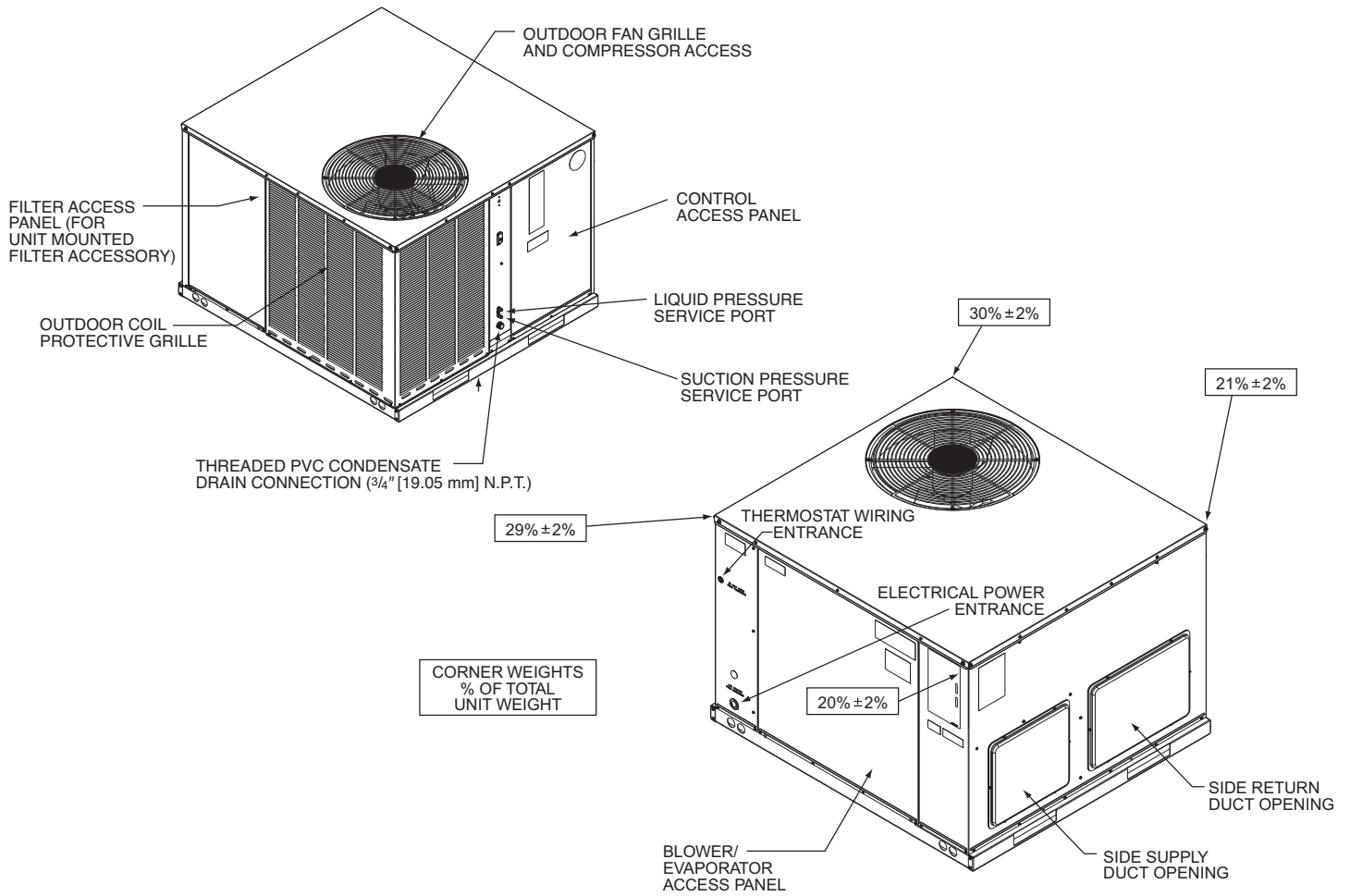
208-240 VOLT, THREE PHASE, 60 HZ, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION

Single Power Supply For Both Unit and Heater Kit

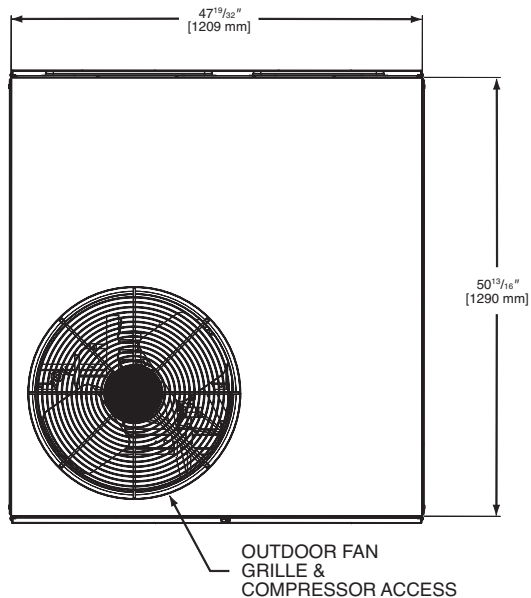
Unit Model No. TZHC4	Heater Kit						Heater Pump			Heater Kit			Heater Pump				
	RXQJ-Heater Kit Nominal kW	No. of Elements	No. of Sequence Steps	Rated Heater kW @ 208/240 V	Heater KBTU/Hr @ 208/240 V	Heater Amp. @ 208/240 V	Unit Min. Ampacity @ 208/240 V	Over Current Protective Device Size Min./Max. @ 208 V	Min. Ckt. Ampacity 208/240 V	Max. Fuse Size 208/240V	Min. Circuit Ampacity 208/240 V	Over Current Protective Device Size Min./Max. @ 208 V	Min./Max. @ 240 V	Min. Ckt. Ampacity 208/240V	Max. Fuse Size 208/240V	Min. Circuit Ampacity 208/240 V	Over Current Protective Device Size Min./Max. @ 208 V
B036CC	No Heat A10C A15C	3 3	— 3 3	— 7.2/9.6 10.8/14.4	— 24.56/32.75 36.84/49.13	— 20.0/23.1 30.1/34.7	19/19 44/48 57/62	25/25 45/50 60/70	— 25/29 38/44	— 25/30 40/45	— — —	25/25 45/50 60/70	— — —	— — —	— — —	— — —	25/25 — —
B042CC	No Heat A10C A15C	3 3	— 3 3	— 7.2/9.6 10.8/14.4	— 24.56/32.75 36.84/49.13	— 20.0/23.1 30.1/34.7	25/25 50/54 63/68	35/35 50/60 70/70	— 25/29 38/44	— 25/30 40/45	— — —	35/35 50/60 70/70	— — —	— — —	— — —	— — —	35/35 — —
B049CC	No Heat A10C A15C	3 3	— 1 1	— 7.2/9.6 10.8/14.4	— 24.57/32.76 36.85/49.13	— 20.0/23.1 30.1/34.7	26/26 51/54 63/69	30/35 60/60 70/70	— 25/29 38/44	— 25/30 40/45	— — —	30/35 60/60 70/70	— — —	— — —	— — —	— — —	30/35 30/35 30/35

Separate Power Supply For Both Unit and Heater Kit

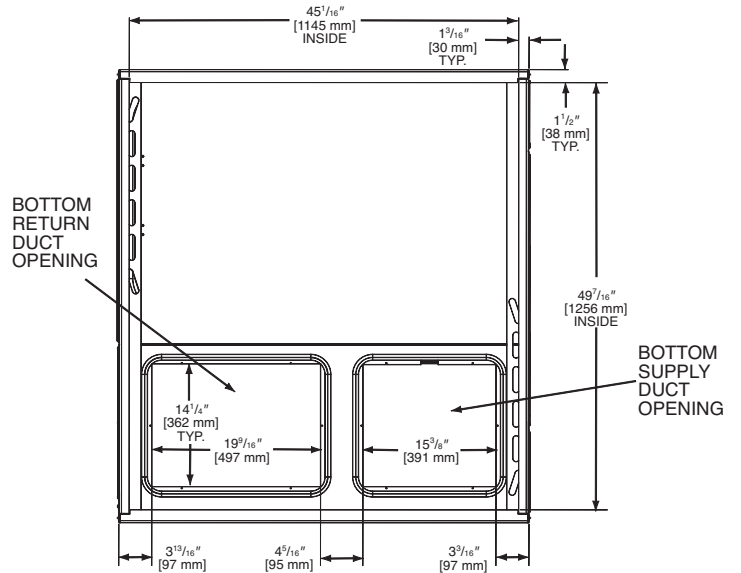
Unit Model No. TZHC4	Heater Kit						Heater Pump			Heater Kit			Heater Pump				
	RXQJ-Heater Kit Nominal kW	No. of Elements	No. of Sequence Steps	Rated Heater kW @ 208/240 V	Heater KBTU/Hr @ 208/240 V	Heater Amp. @ 208/240 V	Unit Min. Ampacity @ 208/240 V	Over Current Protective Device Size Min./Max. @ 208 V	Min. Ckt. Ampacity 208/240 V	Max. Fuse Size 208/240V	Min. Circuit Ampacity 208/240 V	Over Current Protective Device Size Min./Max. @ 208 V	Min./Max. @ 240 V	Min. Ckt. Ampacity 208/240V	Max. Fuse Size 208/240V	Min. Circuit Ampacity 208/240 V	Over Current Protective Device Size Min./Max. @ 208 V
B036CC	No Heat A10C A15C	3 3	— 3 3	— 7.2/9.6 10.8/14.4	— 24.56/32.75 36.84/49.13	— 20.0/23.1 30.1/34.7	19/19 44/48 57/62	25/25 45/50 60/70	— 25/29 38/44	— 25/30 40/45	— — —	25/25 45/50 60/70	— — —	— — —	— — —	— — —	25/25 — —
B042CC	No Heat A10C A15C	3 3	— 3 3	— 7.2/9.6 10.8/14.4	— 24.56/32.75 36.84/49.13	— 20.0/23.1 30.1/34.7	25/25 50/54 63/68	35/35 50/60 70/70	— 25/29 38/44	— 25/30 40/45	— — —	35/35 50/60 70/70	— — —	— — —	— — —	— — —	35/35 — —
B049CC	No Heat A10C A15C	3 3	— 1 1	— 7.2/9.6 10.8/14.4	— 24.57/32.76 36.85/49.13	— 20.0/23.1 30.1/34.7	26/26 51/54 63/69	30/35 60/60 70/70	— 25/29 38/44	— 25/30 40/45	— — —	30/35 60/60 70/70	— — —	— — —	— — —	— — —	30/35 30/35 30/35



TOP VIEW

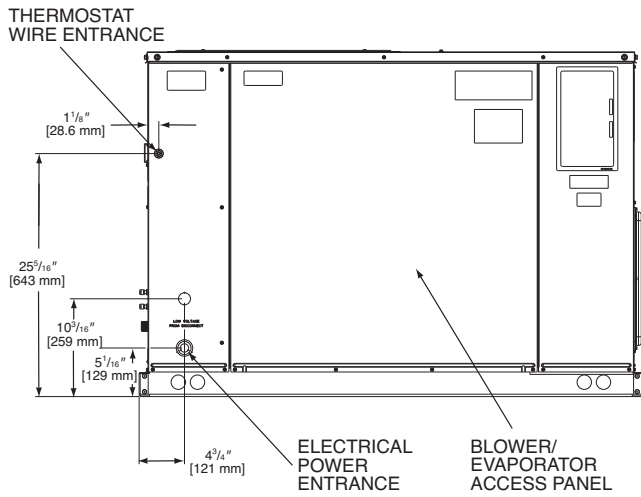


BOTTOM VIEW

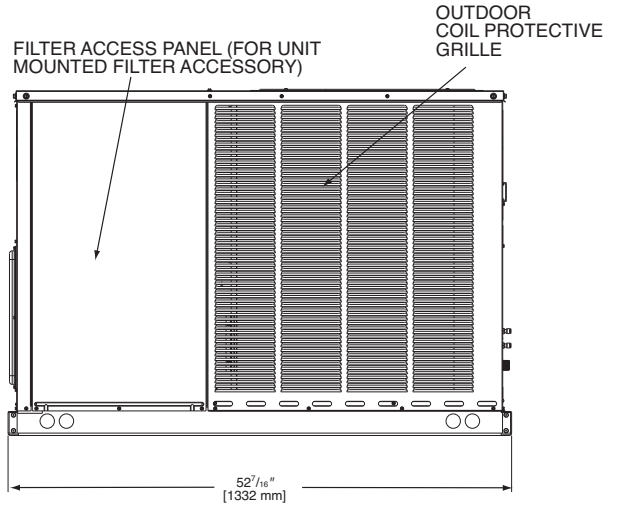


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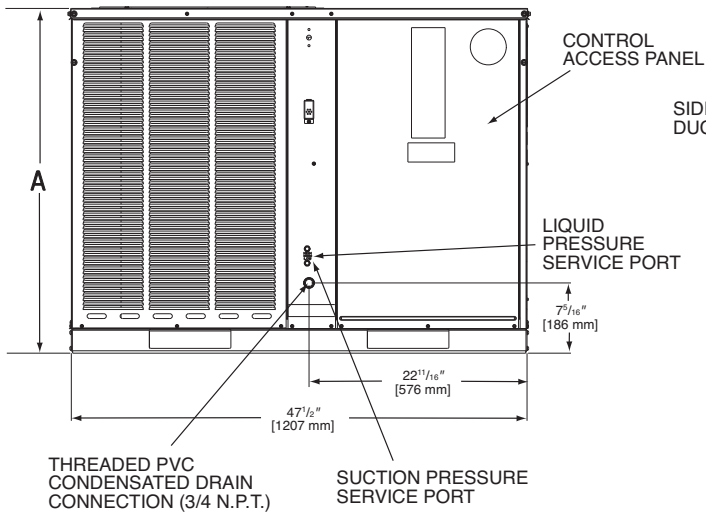
SIDE VIEW



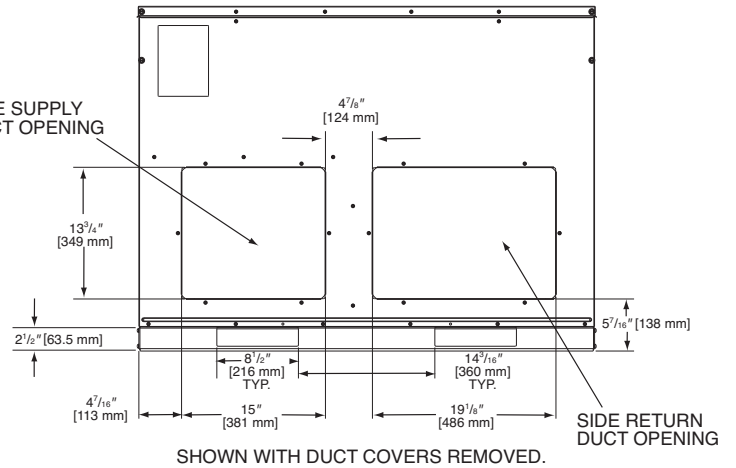
SIDE VIEW



FRONT VIEW



BACK VIEW

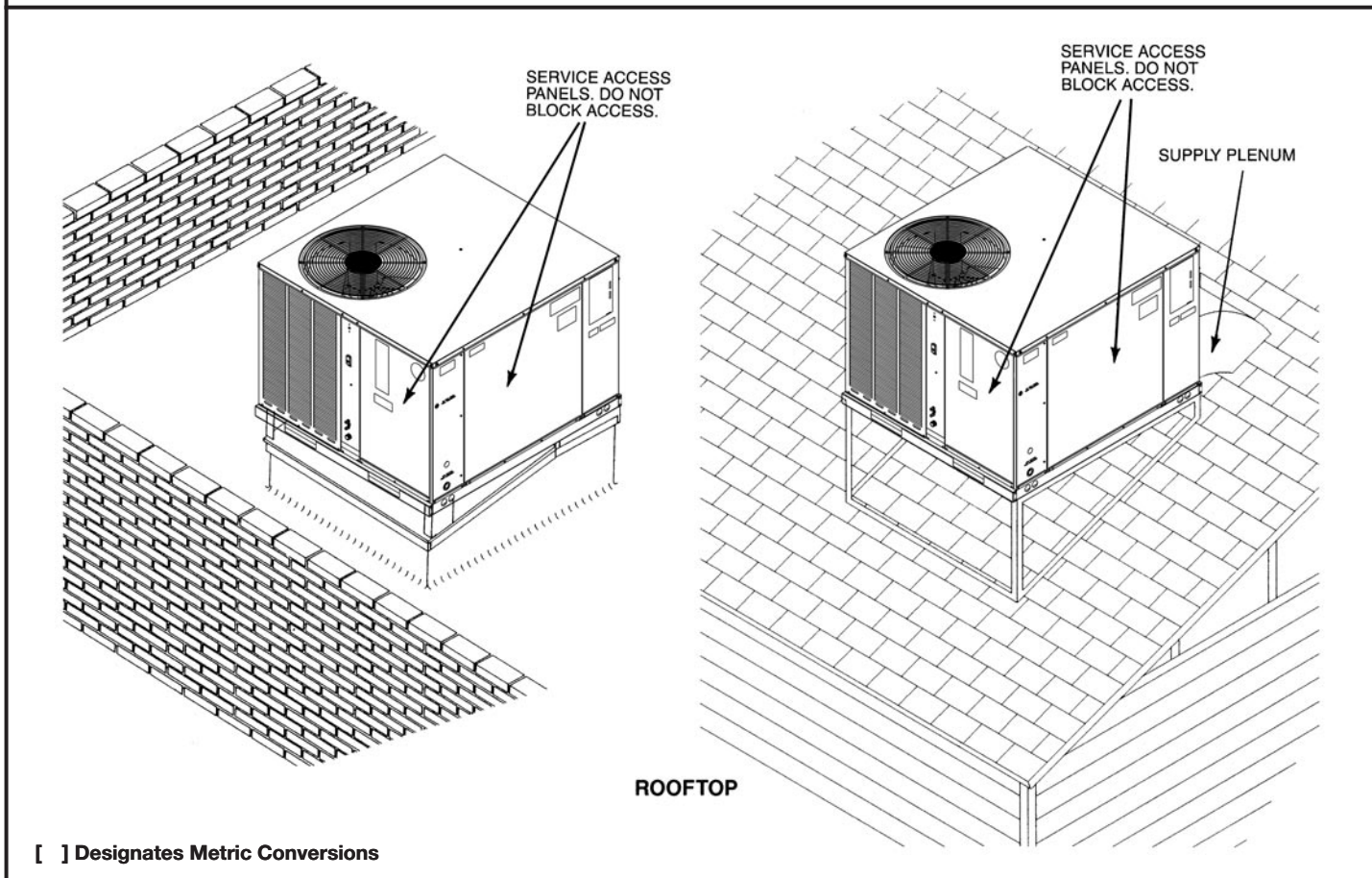
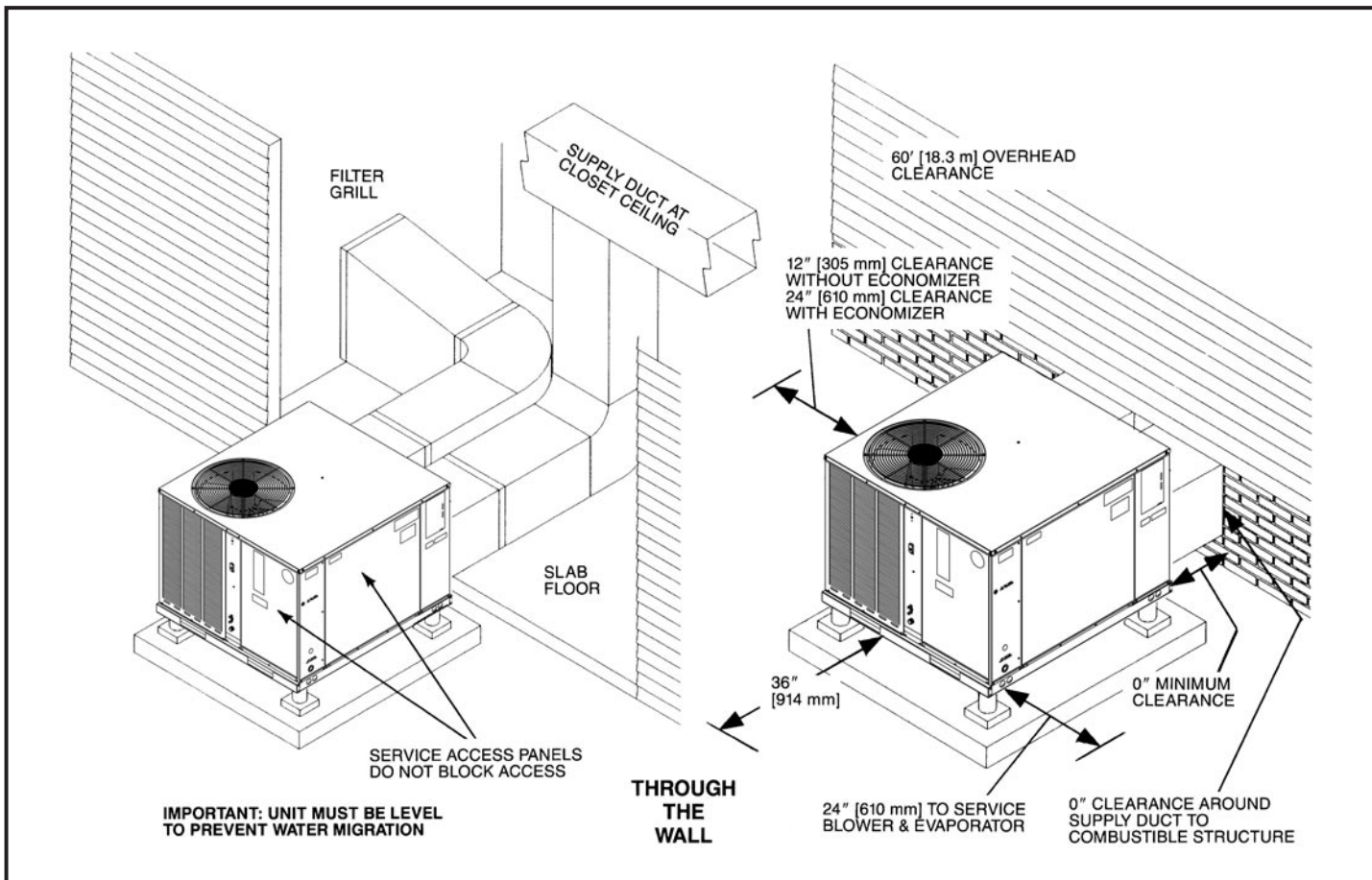


IMPORTANT:
INSTALLATION MUST NOT INTERFERE WITH DRAINAGE OPENINGS IN BOTTOM OF UNIT UNDER OUTDOOR COIL.

Model Number	Height "A"
24, 25	35 ¹⁵ / ₁₆
30, 36, 42, 49	41

IMPORTANT:
UNIT MUST BE LEVEL TO PREVENT WATER MIGRATION.

[] Designates Metric Conversions

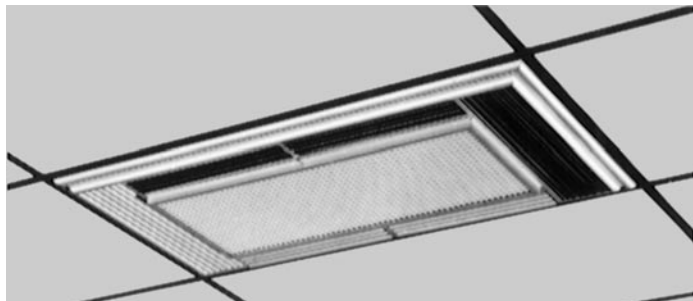


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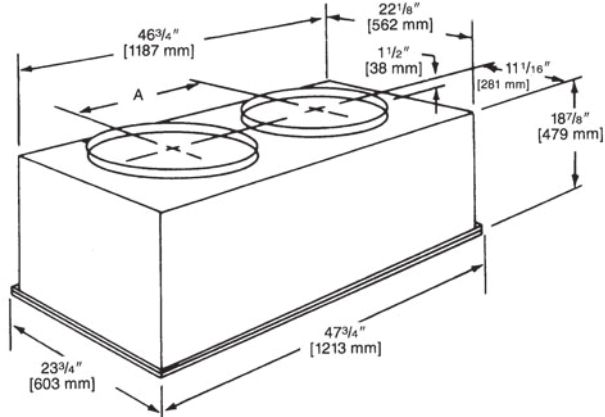
ACCESSORY EQUIPMENT

Accessory Description	Model Application	Accessory Model No.
Roofcurb	TZHC4	RXQG-AAA14 (14" [356 mm] Height) RXQG-AAA24 (24" [610 mm] Height)
Supply & Return Diffusers	TZHC4	RXRN-BD15
Economizers (Convertible)	TZHC4	AXRD-01RACAM3
Dual Enthalpy Kit		RXAX-A04
Fresh Air Damper	TZHC4	AXRF-FAB1 (Motorized-35%) AXRF-FAA1 (Fixed-35%)
Rectangular to Round Transition (Downflow)	TZHC4	RXMC-CA02 (16" [406 mm] Ducts) RXMC-CA03 (18" [457 mm] Ducts)
Filter Kit	TZHC4	RXRY-B01
High Pressure Control	TZHC4	RXAB-D01
Outdoor Thermostat	TZHC4	RXPT-A01
Low Ambient Control	TZHC4	RXPZ-G01
Duct Adapter Sideflow Square to Round Transition	TZHC4	AXMC-BA01
Lift Kit	TZHC4	RXML-A01

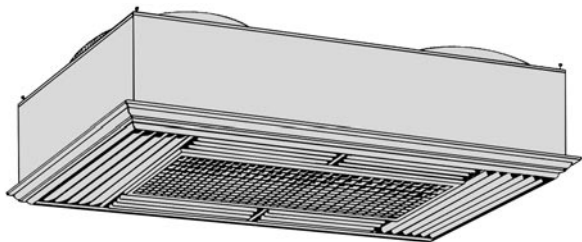
COMMON SUPPLY/RETURN CONCENTRIC AIR DIFFUSER



DIFFUSER INSTALLS FLUSH WITH CEILING



SUPPLY/RETURN DIFFUSER



Designed to convert a side by side or an over and under arrangement into a concentric distribution of air. The diffuser is flush mounted, completely insulated, assembled, and internally baffled to provide four way supply air distribution with a center return. To make the assembly complete and ready to fit into a 2' [0.61 m] x 4' [1.22 m] suspended ceiling grid, the diffuser includes adjustable supply louvers, hanging rings, anti-sweat gasket, and round flanges for use with flexible ducts.

Model No.	Diameter Inches [mm]	Shipping Wt. Lbs. [kg]	Dimension A Inches [mm]
RXRN-BD15	16 [406]	90 [40.82]	20 1/2 [521]

NOTE: The location of the combination supply and return diffuser should not exceed 10 feet [3.05 m] above the floor level for units @ 1000 CFM [472 L/s] or less and 12 [3.66 m] to 14 feet [4.27 m] above the floor level for units with CFM greater than 1000 [472 L/s]. If the diffuser is installed with a greater distance than recommended above, the supply air may become stratified above the required comfort area causing uncomfortable conditions.

AIRFLOW/PRESSURE DROP INFORMATION (INCHES W.C. [kPa])

Accessory	Approximate CFM [L/s]-Supply Air			
	1300 [614]	1575 [743]	1800 [850]	2200 [1038]
Plenum & Supply/Return Duct	.07 [.017]	.10 [.024]	.12 [.030]	.17 [.042]
Diffuser	.09 [.022]	.13 [.032]	.16 [.040]	.24 [.060]
Economizer	.06 [.015]	.09 [.022]	.11 [.027]	.17 [.042]

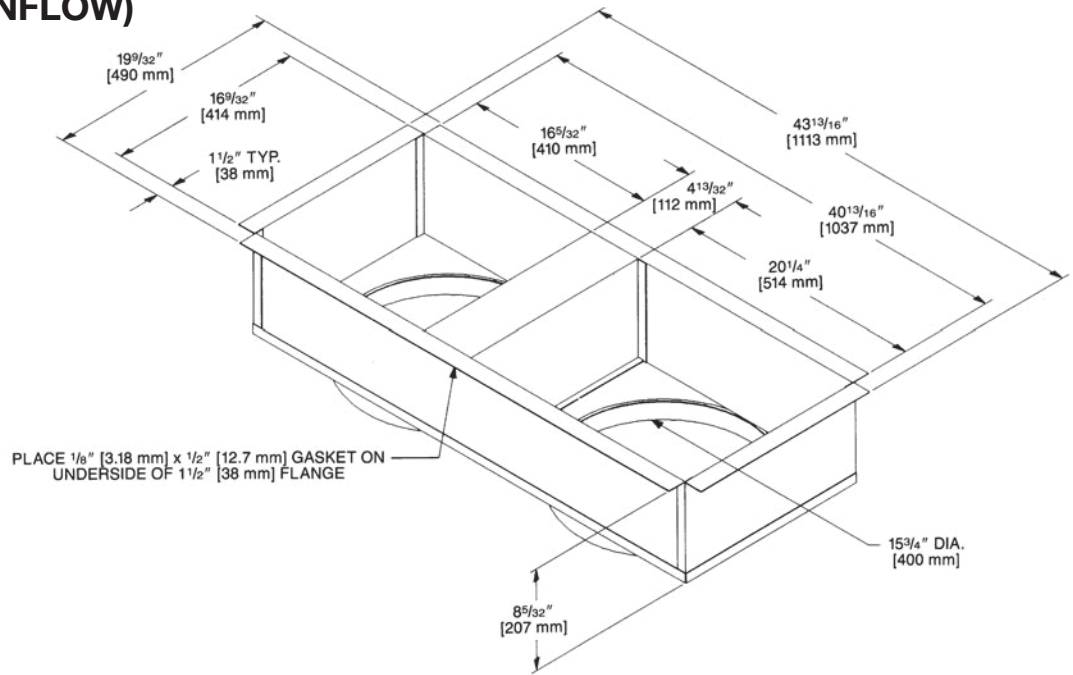
SUPPLY AIR/PERFORMANCE

Diffuser Airflow CFM [L/s]	Range of Throw Ft. [m]
800 [378]-1200 [566]	14 [4.27]-16 [4.88]
1600 [755]-2000 [944]	18 [5.49]-28 [8.53]

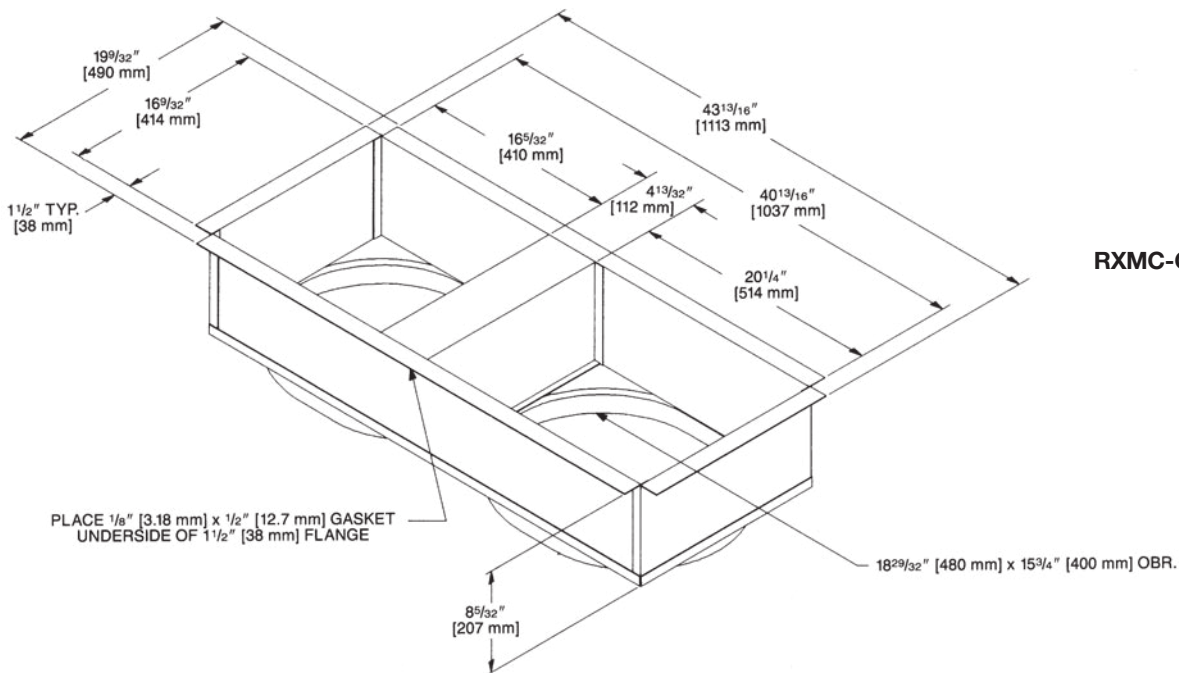
[] Designates Metric Conversions

DUCT ADAPTERS RECTANGULAR TO ROUND TRANSITIONS (DOWNFLOW)

RXMC-CA02



RXMC-CA03



[] Designates Metric Conversions

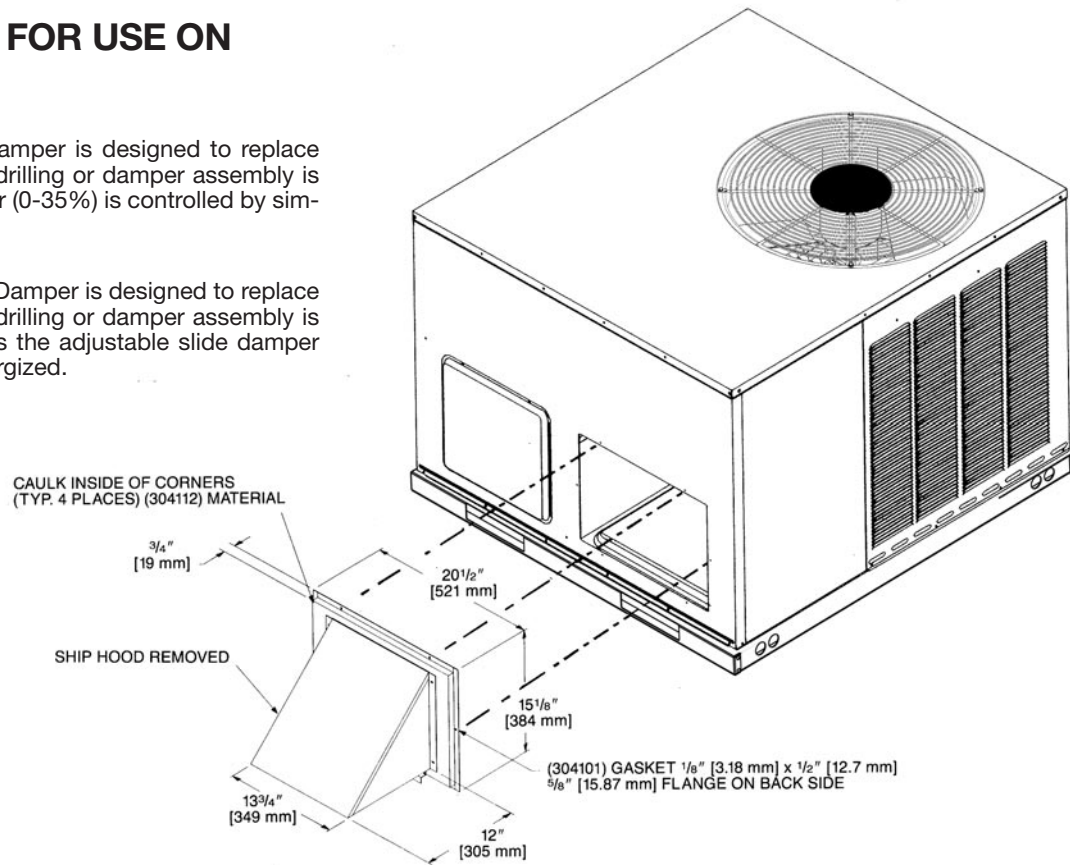
FRESH AIR DAMPER FOR USE ON TZHC4 SERIES

AXRF-FAA1 (Fixed - 0-35%)

The 0-35% manual outside Air Damper is designed to replace the unit return air duct cover. No drilling or damper assembly is required. The amount of outside air (0-35%) is controlled by simply adjusting the side damper.

AXRF-FAB1 (Motorized - 0-35%)

The 0-35% motorized outside Air Damper is designed to replace the unit return air duct cover. No drilling or damper assembly is required. The control motor opens the adjustable slide damper when the unit blower motor is energized.

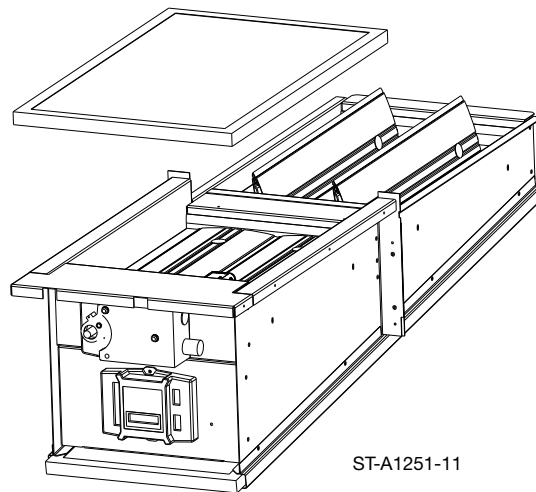
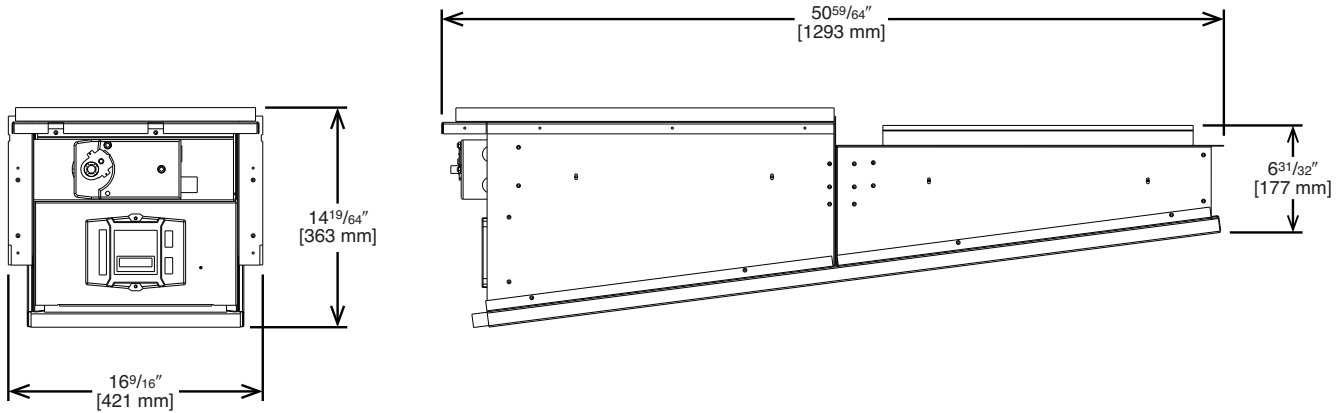
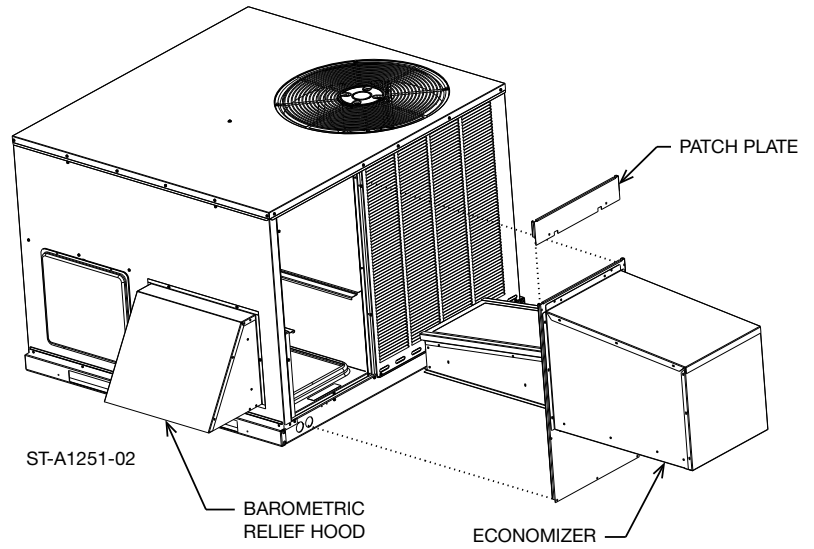


[] Designates Metric Conversions

ECONOMIZERS

AXRD-01RACAM3 (Fully Modulating) Horizontally and Vertically Applicable

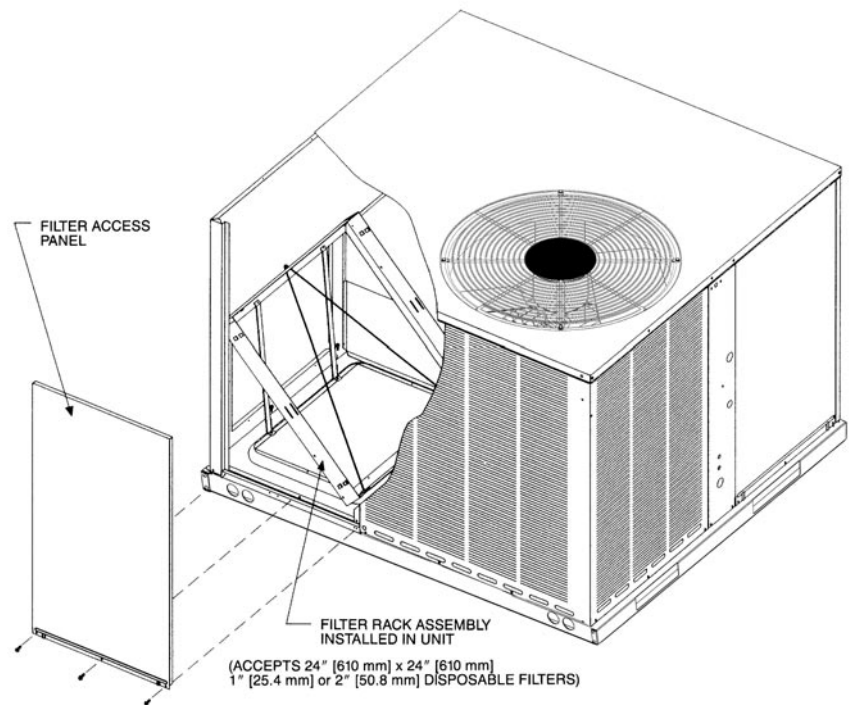
- LCD Screen for Continuous diagnostic and system status
- Programmable set points for accurate positioning
- Simplified wiring and color coded terminals
- Onboard fault detection and diagnostics (FDD)
- Operational Checkout to verify installation
- Enthalpy sensors and actuator that communicate through a Sylk Bus Network with the Jade Controller reducing wiring errors while providing more information
- CO₂ sensor input for DCV (Demand Control Ventilation) applications
- RXRX-AV04 Dual Enthalpy kit available for field installation
- AMCA licensed class 1A low leak Dampers



[] Designates Metric Conversions

FILTER KIT INSTALLATION RXRY-B01

For use in either vertical
or horizontal discharge.



CFM [L/s]		
Minimum Airflow	Nominal Airflow	Maximum Airflow
510 [241]	600 [283]	660 [311]
680 [321]	800 [378]	880 [415]
850 [401]	1000 [472]	1100 [519]
1020 [481]	1200 [566]	1320 [623]
1190 [562]	1400 [661]	1540 [727]
1275 [602]	1500 [708]	1650 [779]
1700 [802]	2000 [944]	2200 [1039]

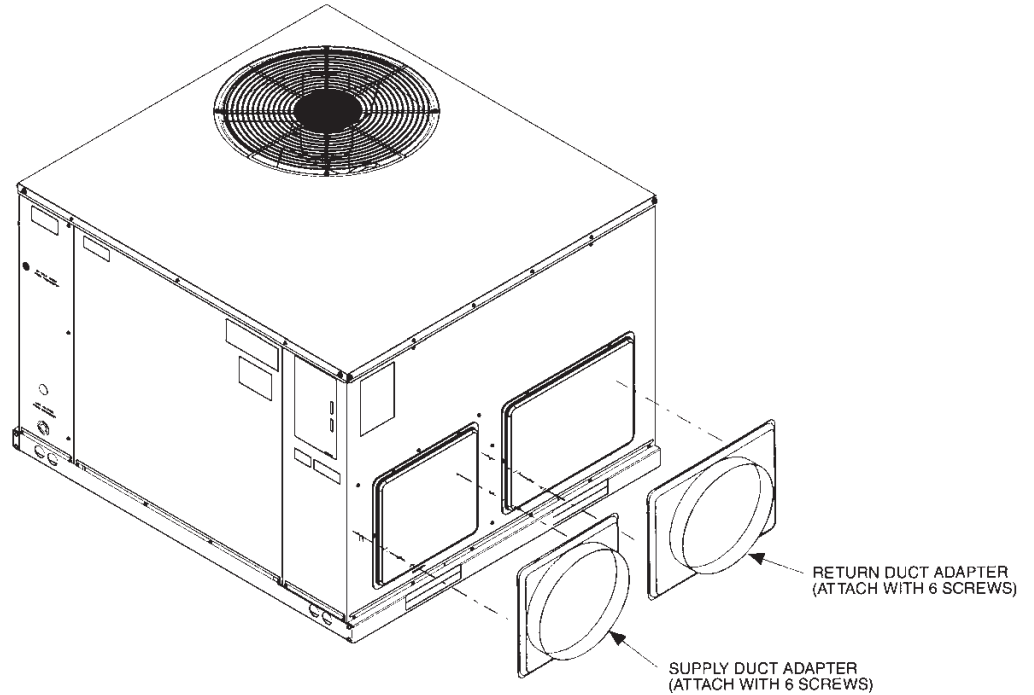
Airflow Pressure Drop, Inches W.C. [kPa]		
CFM [L/s]	1" Filter	2" Filter
500 [236]	.02 [.0050]	.03 [.0075]
600 [283]	.02 [.0050]	.03 [.0075]
700 [330]	.03 [.0075]	.04 [.0010]
800 [378]	.04 [.0010]	.05 [.0124]
900 [425]	.05 [.0124]	.06 [.0149]
1000 [472]	.07 [.0174]	.08 [.0199]
1100 [519]	.08 [.0199]	.09 [.0224]
1200 [566]	.10 [.0249]	.12 [.0299]
1300 [614]	.13 [.0324]	.15 [.0373]
1400 [661]	.16 [.0398]	.19 [.0473]
1500 [708]	.19 [.0473]	.21 [.0523]
1600 [755]	.20 [.0498]	.23 [.0572]
1700 [802]	.21 [.0523]	.24 [.0598]
1800 [850]	.22 [.0548]	.25 [.0623]
1900 [897]	.24 [.0598]	.27 [.0672]
2000 [944]	.26 [.0647]	.29 [.0722]

[] Designates Metric Conversions

DUCT ADAPTER SIDEFLOW SQUARE TO ROUND TRANSITION AXMC-BA01

Adapts the side rectangular supply and return openings to 14" [356 mm] diameter round openings. Adapters provided with same finish as unit and also provided with thermal insulation.

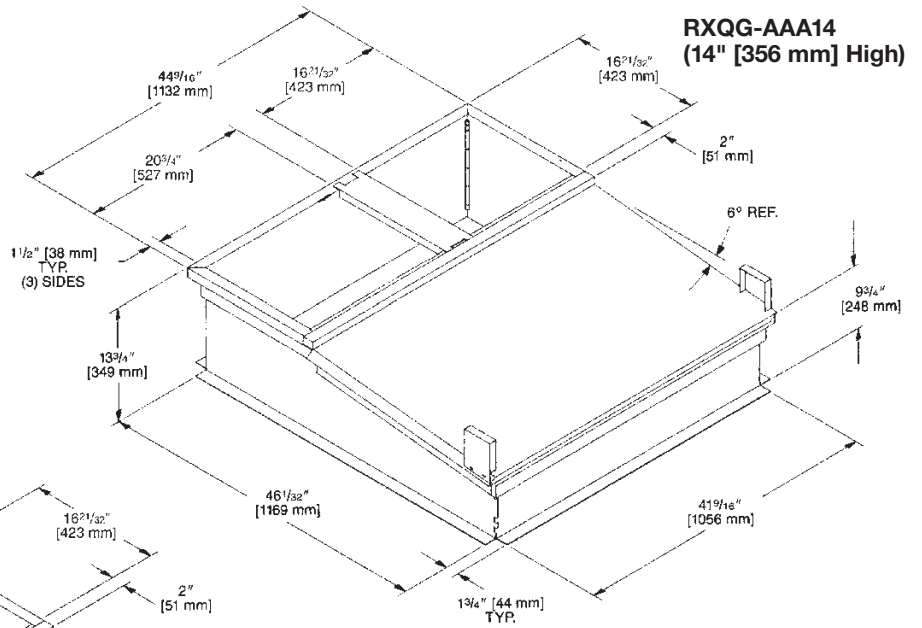
[] Designates Metric Conversions



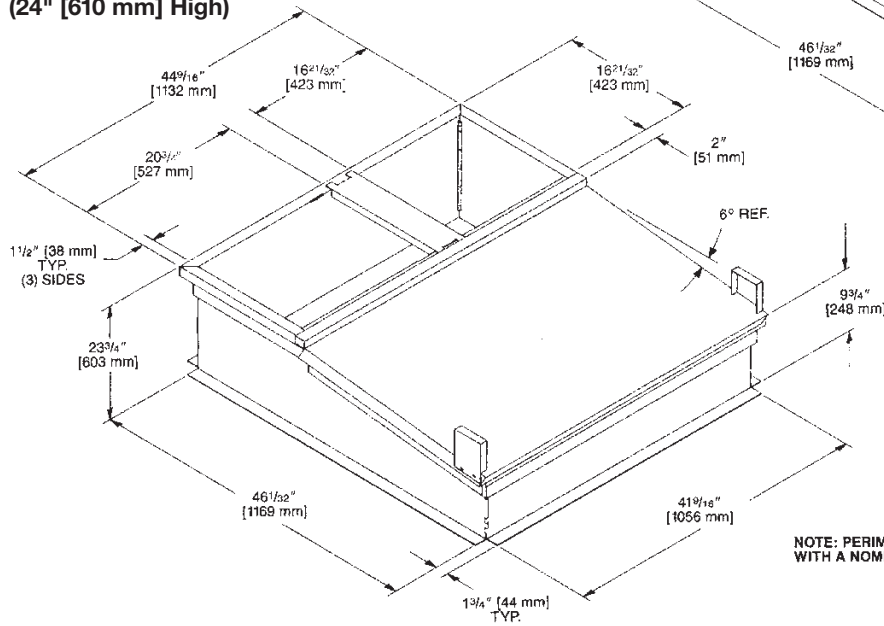
Roofcurb (Sloped) RXQG-AAA14 & RXQG-AAA24 for TZHC4 Series

Note: Heat pump models must use sloped curbs.

Hinged corners make for fast, easy set-up.

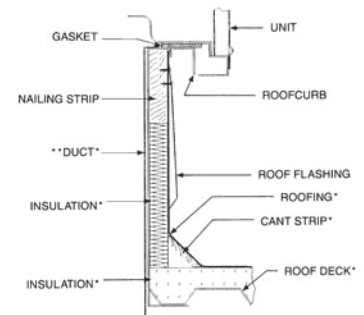
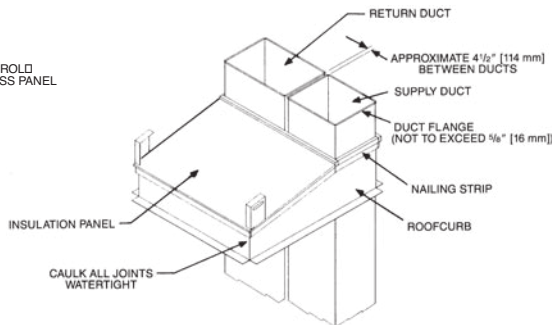
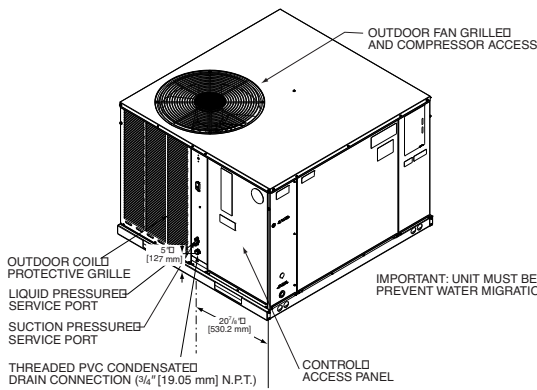


RXQG-AAA24 (24" [610 mm] High)



NOTE: PERIMETER OF ROOFCURB IS SUPPLIED WITH A NOMINAL 1" [25.4 mm] x 4" [102 mm] PINE NAILING STRIP.

Packaged Heat Pump Roofcurb Installation (Sloped)

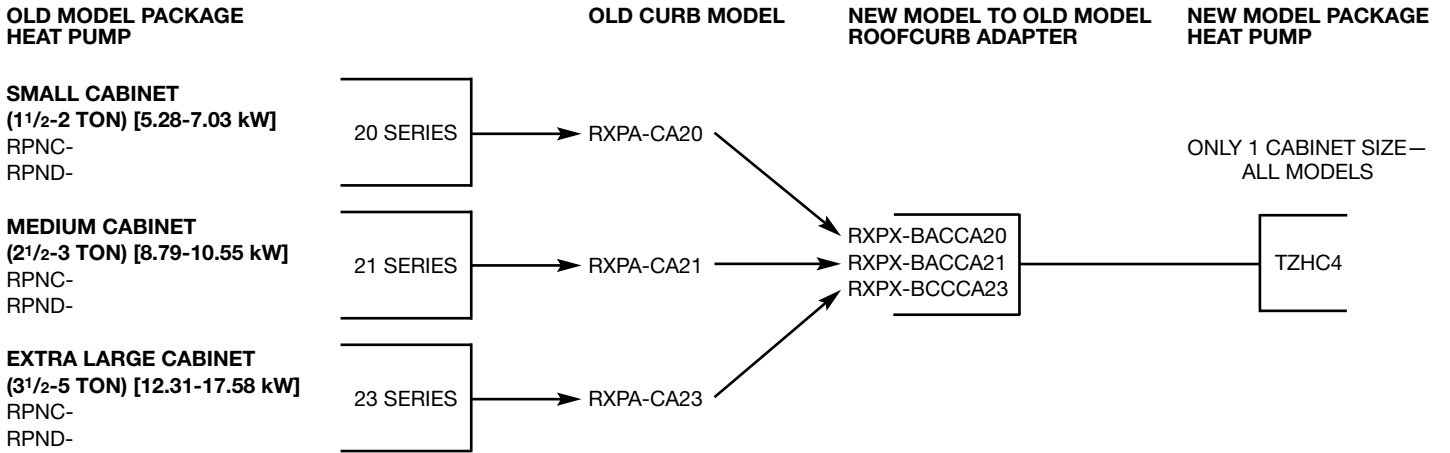


*BY CONTRACTOR
**FOR INSTALLATION OF DUCT AS SHOWN, USE RECOMMENDED DUCT SIZES FROM ROOFCURB INSTALLATION INSTRUCTIONS. FOR DUCT FLANGE ATTACHMENT TO UNIT, SEE UNIT INSTALLATION INSTRUCTIONS FOR RECOMMENDED DUCT SIZES.

[] Designates Metric Conversions

ROOFCURB ADAPTERS

Fabricated from galvanized steel to adapt the New cabinet to the old style curb. All are furnished with a New gasket.



[] Designates Metric Conversions

BEFORE PURCHASING THIS APPLIANCE, READ IMPORTANT ENERGY COST AND EFFICIENCY INFORMATION AVAILABLE FROM YOUR RETAILER.

GENERAL TERMS OF LIMITED WARRANTY*

Thermal Zone will furnish a replacement for any part of this product which fails in normal use and service within the applicable periods stated, in accordance with the terms of the limited warranty.

CompressorFive (5) Years
Parts.....One (1) Year

*For complete details of the Limited and Conditional Warranties, including applicable terms and conditions, contact your local contractor or the Manufacturer for a copy of the product warranty certificate.

Before proceeding with installation, refer to installation instructions packaged with each model, as well as complying with all Federal, State, Provincial, and Local codes, regulations, and practices.

"In keeping with its policy of continuous progress and product improvement, the right is reserved to make changes without notice."