PACKAGE HEAT PUMPS

FORM NO. PTZ-764

TZHC-3**JA HIGH EFFICIENCY 13-SEER SERIES
NOMINAL SIZES 2-4 TONS [7.03-14.07 kW]

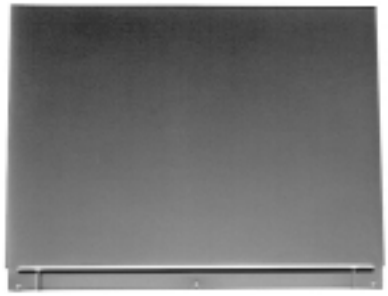
Manufactured for
Thermal Zone®
Philadelphia, PA

Accredited by the RvA
ISO 9001:2000
Certificate Number: 30164

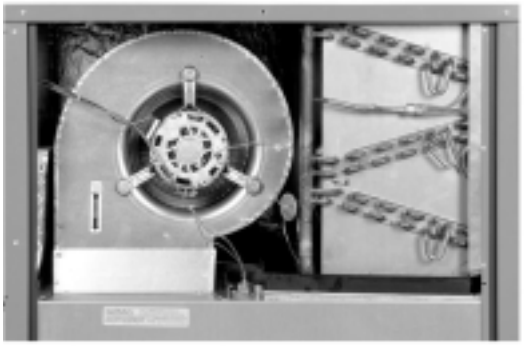
LISTED

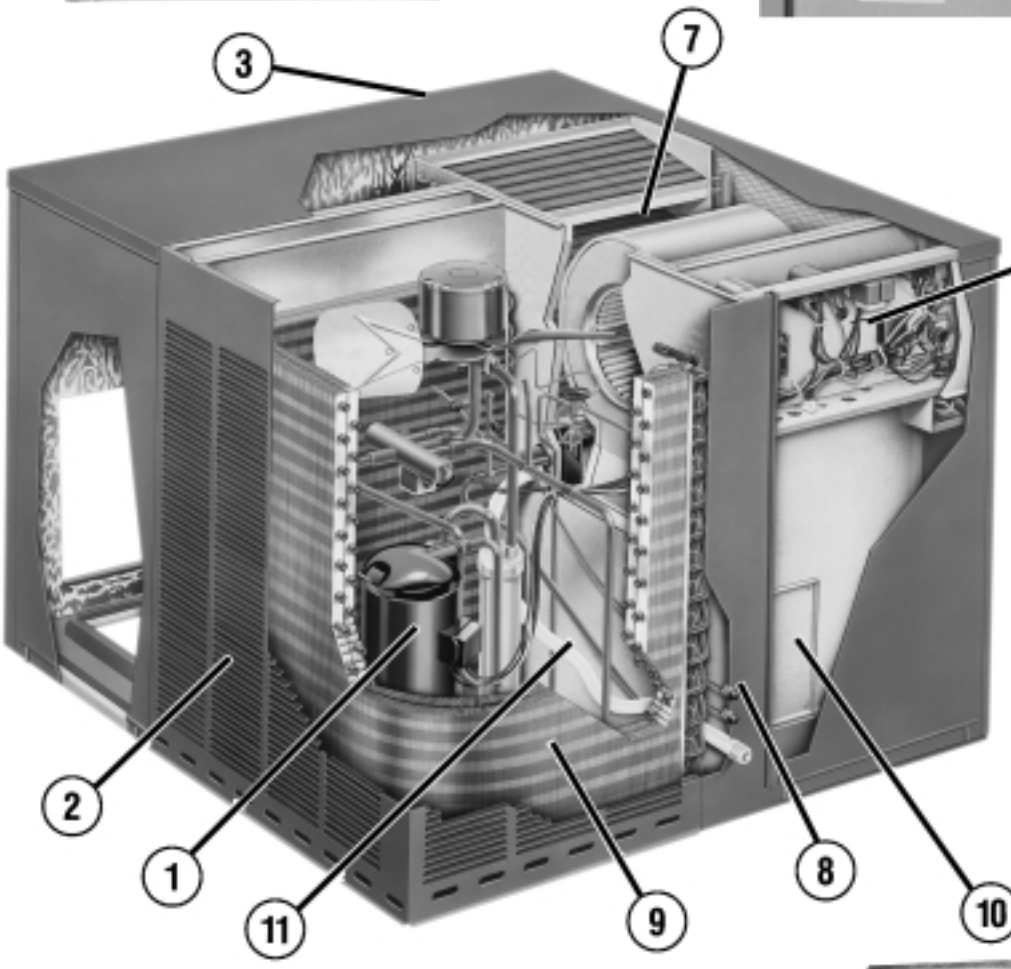
TABLE OF CONTENTS

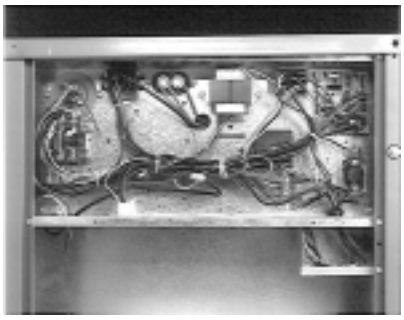
These quality features are included in the Thermal Zone® Outdoor Package Heat Pumps



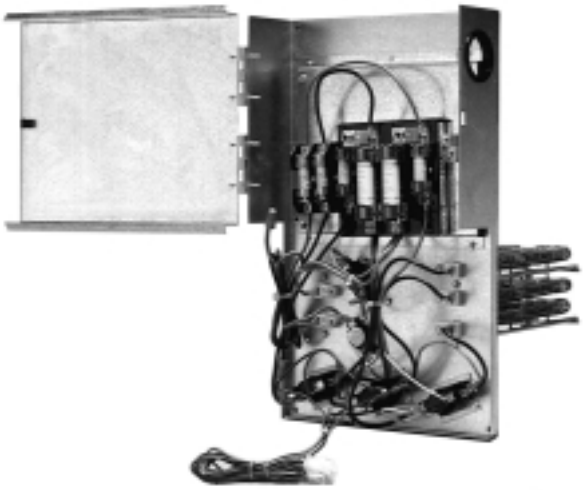
5







4



UNIT FEATURES & BENEFITS—TZHC- SERIES

Features Below Correspond to Photos on Page 3

1. All models feature Scroll® compressors for maximum efficiency and quiet operation.
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. Down discharge conversion on all models.
7. Easily accessible blower section complete with slide-out blower. All units feature a system matched indoor coil with low static pressure drop and excellent cooling capacities.
8. Refrigerant connections are conveniently located for easy service diagnostics.
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 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.

TZ	H	C	—	3	24	J	A
THERMAL ZONE®	HEAT PUMP	CONVERTIBLE		3 = 13 SEER	COOLING CAPACITY	ELECTRICAL DESIGNATION	CABINET
					24 = 24,000 [7.03 kW]	J = 208-230V —1PH—60Hz	A = R-22 REFRIGERANT
					30 = 30,000 [8.79 kW]		
					36 = 36,000 [10.55 kW]		
					42 = 42,000 [12.31 kW]	C = 208-230V —3PH—60Hz	
					48 = 48,000 [14.07 kW]		

[ ] Designates Metric Conversions

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

Model TZHC- Series	324JA	330JA	336CA	336JA
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	24,400 [7.15]	31,400 [9.2]	36,600 [10.72]	36,600 [10.72]
EER/SEER[2]	11/13	11/13	11/13	11/13
Nominal CFM/ARI Rated CFM [L/s]	800/800 [378/378]	1000/1050 [472/495]	1200/1200 [566/566]	1200/1200 [566/566]
ARI Net Cooling Capacity Btu [kW]	23,600 [6.91]	30,200 [8.85]	35,400 [10.37]	35,400 [10.37]
Net Sensible Capacity Btu [kW]	17,900 [5.24]	22,100 [6.48]	26,300 [7.71]	26,300 [7.71]
Net Latent Capacity Btu [kW]	5,700 [1.67]	8,100 [2.37]	9,100 [2.67]	9,100 [2.67]
Net System Power kW	2.14	2.74	3.22	3.22
Heating Performance (Heat Pumps)				
Heating Input Btu [kW] Rating	23,000 [6.74]	29,000 [8.5]	34,200 [10.02]	34,200 [10.02]
System Power KW/COP	1.95/3.4	2.44/3.4	2.91/3.4	2.91/3.4
Low Temp. Btuh [kW] Rating	12,900 [3.78]	16,100 [4.72]	19,500 [5.71]	19,500 [5.71]
System Power KW/COP	1.89/2	2.29/2	2.72/2.1	2.72/2.1
HSPF (Btu/Watts-hr)	7.7	7.7	7.7	7.7
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]	16.32 [1.52]	11.2 [1.04]	11.2 [1.04]
Rows / FPI [FPcm]	1 / 22 [9]	1 / 22 [9]	2 / 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]	7.39 [0.69]	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 1/5 HP	1 at 1/5 HP	1 at 1/5 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/9x7 [228.6x177.8]	1/10x9 [254x228.6]	1/10x9 [254x228.6]	1/10x9 [254x228.6]
Drive Type/No. Speeds	Direct/2	Direct/3	Direct/1	Direct/1
No. Motors	1	1	1	1
Motor HP	1/4	1/2	1/3	1/3
Motor RPM	1075	1075	1075	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)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]	86 [2438]	93 [2637]	122 [3459]	122 [3459]
Weights				
Net Weight lbs. [kg]	391 [177]	444 [201]	471 [214]	468 [212]
Ship Weight lbs. [kg]	401 [182]	455 [206]	482 [219]	479 [217]

See Page 8 for Notes.

[ ] Designates Metric Conversions

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

Model TZHC- Series	342CA	342JA	348CA	348JA
Cooling Performance[1]				
Gross Cooling Capacity Btu [kW]	44,500 [13.04]	44,500 [13.04]	50,000 [14.65]	50,000 [14.65]
EER/SEER[2]	11/13	11/13	11/13	11/13
Nominal CFM/ARI Rated CFM [L/s]	1400/1400 [661/661]	1400/1400 [661/661]	1600/1600 [755/755]	1600/1600 [755/755]
ARI Net Cooling Capacity Btu [kW]	43,500 [12.75]	43,500 [12.75]	48,500 [14.21]	48,500 [14.21]
Net Sensible Capacity Btu [kW]	31,800 [9.32]	31,800 [9.32]	36,000 [10.55]	36,000 [10.55]
Net Latent Capacity Btu [kW]	11,700 [3.43]	11,700 [3.43]	12,500 [3.66]	12,500 [3.66]
Net System Power kW	3.96	3.96	4.41	4.41
Heating Performance (Heat Pumps)				
Heating Input Btu [kW] Rating	39,500 [11.57]	39,500 [11.57]	46,000 [13.48]	46,000 [13.48]
System Power KW/COP	3.34/3.4	3.34/3.4	4.11/3.28	4.11/3.28
Low Temp. Btuh [kW] Rating	22,800 [6.68]	22,800 [6.68]	27,400 [8.03]	28,000 [8.2]
System Power KW/COP	3.18/2.1	3.18/2.1	3.86/2.08	3.86/2.08
HSPF (Btu/Watts-hr)	7.7	7.7	7.7	7.7
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)[3]	76	76	78	78
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]	16.32 [1.52]	16.32 [1.52]	16.32 [1.52]	16.32 [1.52]
Rows / FPI [FPcm]	2 / 22 [9]	2 / 22 [9]	2 / 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]	7.39 [0.69]	7.39 [0.69]	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]	3300 [1557]	3300 [1557]	3000 [1416]	3000 [1416]
No. Motors/HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP	1 at 1/3 HP
Motor RPM	1075	1075	1075	1075
Indoor Fan—Type	FC Centrifugal	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1/10x9 [254x228.6]	1/10x9 [254x228.6]	1/10x9 [254x228.6]	1/10x9 [254x228.6]
Drive Type/No. Speeds	Direct/2	Direct/2	Direct/2	Direct/2
No. Motors	1	1	1	1
Motor HP	3/4	3/4	3/4	3/4
Motor RPM	1075	1075	1725	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)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]	158 [4479]	158 [4479]	150 [4252]	150 [4252]
Weights				
Net Weight lbs. [kg]	508 [230]	505 [229]	500 [227]	510 [231]
Ship Weight lbs. [kg]	519 [235]	516 [234]	511 [232]	521 [236]

See Page 8 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. ARI 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 ARI Standard 210/240 or 360.
2. EER and/or SEER are rated at ARI conditions and in accordance with DOE test procedures.
3. Outdoor Sound Rating shown is tested in accordance with ARI Standard 270.

COOLING PERFORMANCE DATA—TZHC-324

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]			900 [425]	800 [378]	700 [330]	900 [425]	800 [378]	700 [330]	900 [425]	800 [378]	700 [330]
DR ①			.19	.16	.11	.19	.16	.11	.19	.16	.11
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	31.4 [9.20]	30.7 [9.00]	30.0 [8.79]	29.1 [8.53]	28.4 [8.32]	27.8 [8.15]	28.6 [8.38]	28.0 [8.21]	27.4 [8.03]
		Sens BTUH [kW]	18.2 [5.33]	17.2 [5.04]	16.2 [4.75]	21.6 [6.33]	20.4 [5.98]	19.2 [5.63]	23.3 [6.83]	22.0 [6.45]	20.7 [6.07]
		Power	1.6	1.5	1.5	1.6	1.5	1.5	1.5	1.5	1.5
	80 [26.7]	Total BTUH [kW]	30.5 [8.94]	29.8 [8.73]	29.2 [8.56]	28.2 [8.26]	27.6 [8.09]	27.0 [7.91]	27.8 [8.15]	27.2 [7.97]	26.5 [7.77]
		Sens BTUH [kW]	18.0 [5.28]	17.0 [4.98]	16.0 [4.69]	21.4 [6.27]	20.2 [5.92]	19.0 [5.57]	23.1 [6.77]	21.8 [6.39]	20.5 [6.01]
		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]	29.5 [8.65]	28.8 [8.44]	28.2 [8.26]	27.2 [7.97]	26.6 [7.80]	26.0 [7.62]	26.8 [7.85]	26.2 [7.68]	25.6 [7.50]
		Sens BTUH [kW]	17.6 [5.16]	16.6 [4.86]	15.7 [4.60]	21.0 [6.15]	19.8 [5.80]	18.7 [5.48]	22.7 [6.65]	21.4 [6.27]	20.2 [5.92]
		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]	28.4 [8.32]	27.8 [8.15]	27.1 [7.94]	26.1 [7.65]	25.5 [7.47]	25.0 [7.33]	25.7 [7.53]	25.1 [7.36]	24.5 [7.18]
		Sens BTUH [kW]	17.1 [5.01]	16.1 [4.72]	15.2 [4.45]	20.4 [5.98]	19.3 [5.66]	18.2 [5.33]	22.1 [6.48]	20.9 [6.13]	19.7 [5.77]
		Power	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	95 [35]	Total BTUH [kW]	27.3 [8.00]	26.7 [7.83]	26.1 [7.65]	25.0 [7.33]	24.5 [7.18]	23.9 [7.00]	24.6 [7.21]	24.0 [7.03]	23.5 [6.89]
		Sens BTUH [kW]	16.5 [4.84]	15.6 [4.57]	14.7 [4.31]	19.9 [5.83]	18.8 [5.51]	17.7 [5.19]	21.6 [6.33]	20.4 [5.98]	19.2 [5.63]
		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]	26.3 [7.71]	25.7 [7.53]	25.1 [7.36]	24.0 [7.03]	23.5 [6.89]	22.9 [6.71]	23.5 [6.89]	23.0 [6.74]	22.5 [6.59]
		Sens BTUH [kW]	15.9 [4.66]	15.0 [4.40]	14.1 [4.13]	19.2 [5.63]	18.2 [5.33]	17.1 [5.01]	20.9 [6.13]	19.8 [5.80]	18.6 [5.45]
		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]	25.4 [7.44]	24.9 [7.30]	24.3 [7.12]	23.1 [6.77]	22.6 [6.62]	22.1 [6.48]	22.7 [6.65]	22.2 [6.51]	21.7 [6.36]
		Sens BTUH [kW]	15.3 [4.48]	14.5 [4.25]	13.6 [3.99]	18.7 [5.48]	17.6 [5.16]	16.6 [4.86]	20.4 [5.98]	19.2 [5.63]	18.1 [5.30]
		Power	2.1	2.1	2.0	2.1	2.1	2.0	2.1	2.1	2.0
	110 [43.3]	Total BTUH [kW]	24.8 [7.27]	24.3 [7.12]	23.7 [6.95]	22.5 [6.59]	22.0 [6.45]	21.5 [6.30]	22.1 [6.48]	21.6 [6.33]	21.1 [6.18]
		Sens BTUH [kW]	14.8 [4.34]	14.0 [4.10]	13.2 [3.87]	18.1 [5.30]	17.1 [5.01]	16.1 [4.72]	19.8 [5.80]	18.7 [5.48]	17.7 [5.19]
		Power	2.2	2.2	2.1	2.2	2.2	2.1	2.2	2.1	2.1
	115 [46.1]	Total BTUH [kW]	24.5 [7.18]	24.0 [7.03]	23.4 [6.86]	22.2 [6.51]	21.7 [6.36]	21.3 [6.24]	21.8 [6.39]	21.3 [6.24]	20.8 [6.10]
		Sens BTUH [kW]	14.4 [4.22]	13.6 [3.99]	12.8 [3.75]	17.8 [5.22]	16.8 [4.92]	15.8 [4.63]	19.5 [5.71]	18.4 [5.39]	17.3 [5.07]
		Power	2.3	2.2	2.2	2.3	2.2	2.2	2.3	2.2	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—TZHC-324

IDB			60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]		
CFM [L/s]			900 [425]	800 [378]	700 [330]	900 [425]	800 [378]	700 [330]	900 [425]	800 [378]	700 [330]
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total BTUH [kW]	7.8 [2.29]	7.7 [2.26]	7.6 [2.23]	7.1 [2.08]	7.0 [2.05]	7.0 [2.05]	5.8 [1.70]	5.8 [1.70]	5.7 [1.67]
		Power	1.2	1.2	1.3	1.4	1.4	1.5	1.5	1.6	1.6
	5 [-15]	Total BTUH [kW]	9.4 [2.75]	9.3 [2.73]	9.2 [2.70]	8.7 [2.55]	8.6 [2.52]	8.5 [2.49]	7.4 [2.17]	7.3 [2.14]	7.3 [2.14]
		Power	1.3	1.3	1.3	1.4	1.5	1.5	1.6	1.6	1.6
	10 [-12.2]	Total BTUH [kW]	10.9 [3.19]	10.8 [3.17]	10.7 [3.14]	10.2 [2.99]	10.1 [2.96]	10.0 [2.93]	8.9 [2.61]	8.9 [2.61]	8.8 [2.58]
		Power	1.3	1.3	1.3	1.5	1.5	1.5	1.6	1.6	1.6
	15 [-9.4]	Total BTUH [kW]	12.4 [3.63]	12.3 [3.60]	12.2 [3.58]	11.7 [3.43]	11.6 [3.40]	11.5 [3.37]	10.4 [3.05]	10.3 [3.02]	10.2 [2.99]
		Power	1.3	1.3	1.4	1.5	1.5	1.5	1.6	1.7	1.7
	20 [-6.7]	Total BTUH [kW]	13.9 [4.07]	13.8 [4.04]	13.6 [3.99]	13.2 [3.87]	13.1 [3.84]	13.0 [3.81]	11.9 [3.49]	11.8 [3.46]	11.7 [3.43]
		Power	1.3	1.4	1.4	1.5	1.6	1.6	1.7	1.7	1.7
	25 [-3.9]	Total BTUH [kW]	15.4 [4.51]	15.3 [4.48]	15.1 [4.43]	14.7 [4.31]	14.6 [4.28]	14.4 [4.22]	13.4 [3.93]	13.3 [3.90]	13.2 [3.87]
		Power	1.4	1.4	1.4	1.6	1.6	1.6	1.7	1.7	1.7
	30 [-1.1]	Total BTUH [kW]	17.0 [4.98]	16.8 [4.92]	16.7 [4.89]	16.3 [4.78]	16.1 [4.72]	16.0 [4.69]	15.0 [4.40]	14.9 [4.37]	14.7 [4.31]
		Power	1.4	1.4	1.4	1.6	1.6	1.6	1.7	1.7	1.8
	35 [1.7]	Total BTUH [kW]	18.6 [5.45]	18.4 [5.39]	18.3 [5.36]	17.9 [5.25]	17.7 [5.19]	17.6 [5.16]	16.6 [4.86]	16.5 [4.84]	16.3 [4.78]
		Power	1.4	1.4	1.5	1.6	1.6	1.7	1.7	1.8	1.8
	40 [4.4]	Total BTUH [kW]	20.3 [5.95]	20.2 [5.92]	20.0 [5.86]	19.7 [5.77]	19.5 [5.71]	19.3 [5.66]	18.4 [5.39]	18.2 [5.33]	18.1 [5.30]
		Power	1.4	1.5	1.5	1.6	1.7	1.7	1.8	1.8	1.8
	45 [7.2]	Total BTUH [kW]	22.2 [6.51]	22.0 [6.45]	21.8 [6.39]	21.5 [6.30]	21.3 [6.24]	21.2 [6.21]	20.3 [5.95]	20.1 [5.89]	19.9 [5.83]
		Power	1.5	1.5	1.5	1.7	1.7	1.7	1.8	1.8	1.8
	50 [10]	Total BTUH [kW]	24.3 [7.12]	24.1 [7.06]	23.9 [7.00]	23.6 [6.92]	23.4 [6.86]	23.2 [6.80]	22.3 [6.54]	22.1 [6.48]	21.9 [6.42]
		Power	1.5	1.5	1.5	1.7	1.7	1.7	1.8	1.8	1.9

IDB—Indoor air dry bulb

[ ] Designates Metric Conversions

COOLING PERFORMANCE DATA—TZHC-330

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]			1180 [557]	1050 [496]	920 [434]	1180 [557]	1050 [496]	920 [434]	1180 [557]	1050 [496]	920 [434]
DR ①			.19	.16	.11	.19	.16	.11	.19	.16	.11
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	37.6 [11.02]	36.8 [10.79]	35.9 [10.52]	35.2 [10.32]	34.4 [10.08]	33.6 [9.85]	34.1 [9.99]	33.3 [9.76]	32.5 [9.52]
		Sens BTUH [kW]	22.4 [6.56]	21.2 [6.21]	19.9 [5.83]	26.5 [7.77]	25.0 [7.33]	23.6 [6.92]	28.8 [8.44]	27.2 [7.97]	25.6 [7.50]
		Power	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	80 [26.7]	Total BTUH [kW]	37.4 [10.96]	36.6 [10.73]	35.7 [10.46]	35.0 [10.26]	34.2 [10.02]	33.5 [9.82]	33.9 [9.94]	33.1 [9.70]	32.4 [9.50]
		Sens BTUH [kW]	22.4 [6.56]	21.2 [6.21]	19.9 [5.83]	26.5 [7.77]	25.0 [7.33]	23.6 [6.92]	28.8 [8.44]	27.2 [7.97]	25.6 [7.50]
		Power	2.1	2.0	2.0	2.1	2.0	2.0	2.1	2.0	2.0
	85 [29.4]	Total BTUH [kW]	36.7 [10.76]	35.9 [10.52]	35.1 [10.29]	34.4 [10.08]	33.6 [9.85]	32.8 [9.61]	33.2 [9.73]	32.5 [9.52]	31.7 [9.29]
		Sens BTUH [kW]	22.0 [6.45]	20.8 [6.10]	19.6 [5.74]	26.1 [7.65]	24.7 [7.24]	23.2 [6.80]	28.4 [8.32]	26.9 [7.88]	25.3 [7.41]
		Power	2.2	2.2	2.1	2.2	2.2	2.1	2.2	2.1	2.1
	90 [32.2]	Total BTUH [kW]	35.7 [10.46]	34.9 [10.23]	34.2 [10.02]	33.3 [9.76]	32.6 [9.55]	31.9 [9.35]	32.2 [9.44]	31.5 [9.23]	30.8 [9.03]
		Sens BTUH [kW]	21.4 [6.27]	20.2 [5.92]	19.0 [5.57]	25.5 [7.47]	24.1 [7.06]	22.7 [6.65]	27.8 [8.15]	26.3 [7.71]	24.7 [7.24]
		Power	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2
	95 [35]	Total BTUH [kW]	34.5 [10.11]	33.7 [9.88]	33.0 [9.67]	32.1 [9.41]	31.4 [9.20]	30.7 [9.00]	31.0 [9.09]	30.3 [8.88]	29.6 [8.67]
		Sens BTUH [kW]	20.6 [6.04]	19.5 [5.71]	18.3 [5.36]	24.7 [7.24]	23.3 [6.83]	21.9 [6.42]	27.0 [7.91]	25.5 [7.47]	24.0 [7.03]
		Power	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	100 [37.8]	Total BTUH [kW]	33.2 [9.73]	32.4 [9.50]	31.7 [9.29]	30.8 [9.03]	30.1 [8.82]	29.4 [8.62]	29.6 [8.67]	29.0 [8.50]	28.3 [8.29]
		Sens BTUH [kW]	19.7 [5.77]	18.6 [5.45]	17.6 [5.16]	23.8 [6.98]	22.5 [6.59]	21.2 [6.21]	26.1 [7.65]	24.7 [7.24]	23.3 [6.83]
		Power	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	105 [40.6]	Total BTUH [kW]	31.8 [9.32]	31.1 [9.11]	30.4 [8.91]	29.4 [8.62]	28.8 [8.44]	28.1 [8.24]	28.3 [8.29]	27.7 [8.12]	27.0 [7.91]
		Sens BTUH [kW]	18.9 [5.54]	17.9 [5.25]	16.8 [4.92]	23.0 [6.74]	21.7 [6.36]	20.5 [6.01]	25.3 [7.41]	23.9 [7.00]	22.5 [6.59]
		Power	2.7	2.6	2.6	2.7	2.6	2.6	2.6	2.6	2.6
	110 [43.3]	Total BTUH [kW]	30.6 [8.97]	29.9 [8.76]	29.2 [8.56]	28.2 [8.26]	27.6 [8.09]	26.9 [7.88]	27.1 [7.94]	26.5 [7.77]	25.9 [7.59]
		Sens BTUH [kW]	18.3 [5.36]	17.3 [5.07]	16.3 [4.78]	22.3 [6.54]	21.1 [6.18]	19.9 [5.83]	24.7 [7.24]	23.3 [6.83]	21.9 [6.42]
		Power	2.8	2.8	2.7	2.8	2.7	2.7	2.8	2.7	2.7
	115 [46.1]	Total BTUH [kW]	29.6 [8.67]	29.0 [8.50]	28.3 [8.29]	27.2 [7.97]	26.6 [7.80]	26.0 [7.62]	26.1 [7.65]	25.5 [7.47]	24.9 [7.30]
		Sens BTUH [kW]	17.9 [5.25]	16.9 [4.95]	15.9 [4.66]	21.9 [6.42]	20.7 [6.07]	19.5 [5.71]	24.3 [7.12]	22.9 [6.71]	21.6 [6.33]
		Power	2.9	2.9	2.8	2.9	2.9	2.8	2.9	2.9	2.8

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—TZHC-330

IDB			60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]		
CFM [L/s]			1180 [557]	1050 [496]	920 [434]	1180 [557]	1050 [496]	920 [434]	1180 [557]	1050 [496]	920 [434]
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total BTUH [kW]	9.7 [2.84]	9.7 [2.84]	9.6 [2.81]	8.7 [2.55]	8.6 [2.52]	8.5 [2.49]	8.0 [2.34]	7.9 [2.32]	7.8 [2.29]
		Power	1.5	1.5	1.5	1.7	1.7	1.8	1.9	1.9	1.9
	5 [-15]	Total BTUH [kW]	11.8 [3.46]	11.7 [3.43]	11.6 [3.40]	10.7 [3.14]	10.7 [3.14]	10.6 [3.11]	10.1 [2.96]	10.0 [2.93]	9.9 [2.90]
		Power	1.5	1.5	1.6	1.7	1.8	1.8	1.9	1.9	2.0
	10 [-12.2]	Total BTUH [kW]	13.8 [4.04]	13.7 [4.02]	13.6 [3.99]	12.7 [3.72]	12.6 [3.69]	12.5 [3.66]	12.0 [3.52]	11.9 [3.49]	11.8 [3.46]
		Power	1.5	1.6	1.6	1.8	1.8	1.8	2.0	2.0	2.0
	15 [-9.4]	Total BTUH [kW]	15.7 [4.60]	15.6 [4.57]	15.4 [4.51]	14.7 [4.31]	14.5 [4.25]	14.4 [4.22]	14.0 [4.10]	13.8 [4.04]	13.7 [4.02]
		Power	1.6	1.6	1.6	1.8	1.8	1.9	2.0	2.0	2.1
	20 [-6.7]	Total BTUH [kW]	17.6 [5.16]	17.5 [5.13]	17.3 [5.07]	16.6 [4.86]	16.4 [4.81]	16.3 [4.78]	15.9 [4.66]	15.7 [4.60]	15.6 [4.57]
		Power	1.6	1.6	1.7	1.9	1.9	1.9	2.0	2.1	2.1
	25 [-3.9]	Total BTUH [kW]	19.5 [5.71]	19.4 [5.69]	19.2 [5.63]	18.5 [5.42]	18.3 [5.36]	18.1 [5.30]	17.8 [5.22]	17.6 [5.16]	17.5 [5.13]
		Power	1.7	1.7	1.7	1.9	1.9	2.0	2.1	2.1	2.1
	30 [-1.1]	Total BTUH [kW]	21.5 [6.30]	21.3 [6.24]	21.1 [6.18]	20.4 [5.98]	20.3 [5.95]	20.1 [5.89]	19.8 [5.80]	19.6 [5.74]	19.4 [5.69]
		Power	1.7	1.7	1.7	1.9	2.0	2.0	2.1	2.1	2.2
	35 [1.7]	Total BTUH [kW]	23.6 [6.92]	23.4 [6.86]	23.2 [6.80]	22.5 [6.59]	22.3 [6.54]	22.1 [6.48]	21.8 [6.39]	21.6 [6.33]	21.4 [6.27]
		Power	1.7	1.8	1.8	2.0	2.0	2.0	2.1	2.2	2.2
	40 [4.4]	Total BTUH [kW]	25.8 [7.56]	25.5 [7.47]	25.3 [7.41]	24.7 [7.24]	24.5 [7.18]	24.3 [7.12]	24.0 [7.03]	23.8 [6.98]	23.6 [6.92]
		Power	1.8	1.8	1.8	2.0	2.0	2.1	2.2	2.2	2.2
	45 [7.2]	Total BTUH [kW]	28.1 [8.24]	27.9 [8.18]	27.6 [8.09]	27.1 [7.94]	26.8 [7.85]	26.6 [7.80]	26.4 [7.74]	26.1 [7.65]	25.9 [7.59]
		Power	1.8	1.8	1.9	2.0	2.1	2.1	2.2	2.3	2.3
	50 [10]	Total BTUH [kW]	30.7 [9.00]	30.4 [8.91]	30.2 [8.85]	29.6 [8.67]	29.4 [8.62]	29.1 [8.53]	28.9 [8.47]	28.7 [8.41]	28.4 [8.32]
		Power	1.8	1.9	1.9	2.1	2.1	2.1	2.3	2.3	2.3

IDB—Indoor air dry bulb

[ ] Designates Metric Conversions

COOLING PERFORMANCE DATA—TZHC-336

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]			1350 [637]	1200 [566]	1050 [496]	1350 [637]	1200 [566]	1050 [496]	1350 [637]	1200 [566]	1050 [496]
DR ①			.19	.16	.11	.19	.16	.11	.19	.16	.11
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	46.3 [13.57]	45.3 [13.28]	44.3 [12.98]	43.0 [12.60]	42.1 [12.34]	41.1 [12.05]	41.4 [12.13]	40.4 [11.84]	39.5 [11.58]
		Sens BTUH [kW]	26.6 [7.80]	25.1 [7.36]	23.7 [6.95]	31.7 [9.29]	29.9 [8.76]	28.2 [8.26]	33.4 [9.79]	31.5 [9.23]	29.7 [8.70]
		Power	2.4	2.4	2.4	2.4	2.4	2.3	2.4	2.4	2.4
	80 [26.7]	Total BTUH [kW]	45.2 [13.25]	44.2 [12.95]	43.2 [12.66]	41.9 [12.28]	41.0 [12.02]	40.1 [11.75]	40.3 [11.81]	39.4 [11.55]	38.5 [11.28]
		Sens BTUH [kW]	25.8 [7.56]	24.4 [7.15]	22.9 [6.71]	30.9 [9.06]	29.2 [8.56]	27.5 [8.06]	32.6 [9.55]	30.8 [9.03]	29.0 [8.50]
		Power	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	85 [29.4]	Total BTUH [kW]	43.9 [12.87]	42.9 [12.57]	41.9 [12.28]	40.6 [11.90]	39.7 [11.63]	38.8 [11.37]	38.9 [11.40]	38.0 [11.14]	37.2 [10.90]
		Sens BTUH [kW]	25.1 [7.36]	23.8 [6.98]	22.4 [6.56]	30.2 [8.85]	28.5 [8.35]	26.9 [7.88]	31.9 [9.35]	30.2 [8.85]	28.4 [8.32]
		Power	2.7	2.6	2.6	2.6	2.6	2.6	2.7	2.6	2.6
	90 [32.2]	Total BTUH [kW]	42.4 [12.43]	41.4 [12.13]	40.5 [11.87]	39.1 [11.46]	38.2 [11.20]	37.3 [10.93]	37.4 [10.96]	36.6 [10.73]	35.7 [10.46]
		Sens BTUH [kW]	24.6 [7.21]	23.3 [6.83]	21.9 [6.42]	29.7 [8.70]	28.0 [8.21]	26.4 [7.74]	31.4 [9.20]	29.7 [8.70]	27.9 [8.18]
		Power	2.8	2.8	2.7	2.8	2.7	2.7	2.8	2.7	2.7
	95 [35]	Total BTUH [kW]	40.8 [11.96]	39.9 [11.69]	39.0 [11.43]	37.5 [10.99]	36.7 [10.76]	35.8 [10.49]	35.8 [10.49]	35.0 [10.26]	34.2 [10.02]
		Sens BTUH [kW]	24.1 [7.06]	22.8 [6.68]	21.5 [6.30]	29.2 [8.56]	27.6 [8.09]	26.0 [7.62]	30.9 [9.06]	29.2 [8.56]	27.5 [8.06]
		Power	2.9	2.9	2.9	2.9	2.8	2.8	2.9	2.9	2.8
	100 [37.8]	Total BTUH [kW]	39.3 [11.52]	38.4 [11.25]	37.5 [10.99]	36.0 [10.55]	35.2 [10.32]	34.4 [10.08]	34.3 [10.05]	33.5 [9.82]	32.8 [9.61]
		Sens BTUH [kW]	23.6 [6.92]	22.3 [6.54]	21.0 [6.15]	28.7 [8.41]	27.1 [7.94]	25.5 [7.47]	30.4 [8.91]	28.7 [8.41]	27.0 [7.91]
		Power	3.0	3.0	3.0	3.0	3.0	2.9	3.0	3.0	2.9
	105 [40.6]	Total BTUH [kW]	37.8 [11.08]	37.0 [10.84]	36.2 [10.61]	34.5 [10.11]	33.8 [9.91]	33.0 [9.67]	32.9 [9.64]	32.1 [9.41]	31.4 [9.20]
		Sens BTUH [kW]	23.0 [6.74]	21.7 [6.36]	20.5 [6.01]	28.1 [8.24]	26.5 [7.77]	25.0 [7.33]	29.8 [8.73]	28.1 [8.24]	26.5 [7.77]
		Power	3.2	3.1	3.1	3.1	3.1	3.0	3.1	3.1	3.1
	110 [43.3]	Total BTUH [kW]	36.6 [10.73]	35.8 [10.49]	35.0 [10.26]	33.3 [9.76]	32.6 [9.55]	31.8 [9.32]	31.6 [9.26]	30.9 [9.06]	30.2 [8.85]
		Sens BTUH [kW]	22.2 [6.51]	21.0 [6.15]	19.8 [5.80]	27.3 [8.00]	25.8 [7.56]	24.3 [7.12]	29.0 [8.50]	27.4 [8.03]	25.8 [7.56]
		Power	3.3	3.2	3.2	3.2	3.2	3.2	3.3	3.2	3.2
	115 [46.1]	Total BTUH [kW]	35.7 [10.46]	34.9 [10.23]	34.1 [9.99]	32.4 [9.50]	31.7 [9.29]	30.9 [9.06]	30.7 [9.00]	30.0 [8.79]	29.3 [8.59]
		Sens BTUH [kW]	21.3 [6.24]	20.1 [5.89]	18.9 [5.54]	26.3 [7.71]	24.9 [7.30]	23.4 [6.86]	28.0 [8.21]	26.5 [7.77]	25.0 [7.33]
		Power	3.4	3.4	3.3	3.4	3.3	3.3	3.4	3.3	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—TZHC-336

IDB			60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]		
CFM [L/s]			1350 [637]	1200 [566]	1050 [496]	1350 [637]	1200 [566]	1050 [496]	1350 [637]	1200 [566]	1050 [496]
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total BTUH [kW]	13.9 [4.07]	13.8 [4.04]	13.6 [3.99]	13.0 [3.81]	12.9 [3.78]	12.7 [3.72]	12.1 [3.55]	12.0 [3.52]	11.9 [3.49]
		Power	1.8	1.8	1.8	2.0	2.1	2.1	2.3	2.4	2.4
	5 [-15]	Total BTUH [kW]	15.8 [4.63]	15.7 [4.60]	15.5 [4.54]	14.9 [4.37]	14.8 [4.34]	14.7 [4.31]	14.1 [4.13]	14.0 [4.10]	13.8 [4.04]
		Power	1.8	1.9	1.9	2.1	2.1	2.2	2.4	2.4	2.4
	10 [-12.2]	Total BTUH [kW]	17.6 [5.16]	17.5 [5.13]	17.3 [5.07]	16.7 [4.89]	16.6 [4.86]	16.4 [4.81]	15.9 [4.66]	15.8 [4.63]	15.6 [4.57]
		Power	1.9	1.9	1.9	2.1	2.2	2.2	2.4	2.5	2.5
	15 [-9.4]	Total BTUH [kW]	19.4 [5.69]	19.2 [5.63]	19.1 [5.60]	18.5 [5.42]	18.3 [5.36]	18.2 [5.33]	17.7 [5.19]	17.5 [5.13]	17.3 [5.07]
		Power	1.9	2.0	2.0	2.2	2.2	2.3	2.5	2.5	2.5
	20 [-6.7]	Total BTUH [kW]	21.2 [6.21]	21.0 [6.15]	20.8 [6.10]	20.3 [5.95]	20.1 [5.89]	19.9 [5.83]	19.4 [5.69]	19.3 [5.66]	19.1 [5.60]
		Power	2.0	2.0	2.0	2.2	2.3	2.3	2.5	2.6	2.6
	25 [-3.9]	Total BTUH [kW]	23.0 [6.74]	22.8 [6.68]	22.6 [6.62]	22.1 [6.48]	21.9 [6.42]	21.7 [6.36]	21.3 [6.24]	21.1 [6.18]	20.9 [6.13]
		Power	2.0	2.1	2.1	2.3	2.3	2.4	2.6	2.6	2.6
	30 [-1.1]	Total BTUH [kW]	25.1 [7.36]	24.8 [7.27]	24.6 [7.21]	24.1 [7.06]	23.9 [7.00]	23.7 [6.95]	23.3 [6.83]	23.1 [6.77]	22.9 [6.71]
		Power	2.1	2.1	2.1	2.3	2.4	2.4	2.6	2.6	2.7
	35 [1.7]	Total BTUH [kW]	27.3 [8.00]	27.1 [7.94]	26.8 [7.85]	26.4 [7.74]	26.2 [7.68]	25.9 [7.59]	25.6 [7.50]	25.3 [7.41]	25.1 [7.36]
		Power	2.1	2.2	2.2	2.4	2.4	2.5	2.7	2.7	2.7
	40 [4.4]	Total BTUH [kW]	29.9 [8.76]	29.6 [8.67]	29.4 [8.62]	29.0 [8.50]	28.7 [8.41]	28.5 [8.35]	28.1 [8.24]	27.9 [8.18]	27.6 [8.09]
		Power	2.2	2.2	2.2	2.4	2.5	2.5	2.7	2.7	2.8
	45 [7.2]	Total BTUH [kW]	32.8 [9.61]	32.6 [9.55]	32.3 [9.47]	31.9 [9.35]	31.7 [9.29]	31.4 [9.20]	31.1 [9.11]	30.8 [9.03]	30.6 [8.97]
		Power	2.2	2.3	2.3	2.5	2.5	2.6	2.8	2.8	2.8
	50 [10]	Total BTUH [kW]	36.3 [10.64]	35.9 [10.52]	35.6 [10.43]	35.4 [10.37]	35.0 [10.26]	34.7 [10.17]	34.5 [10.11]	34.2 [10.02]	33.9 [9.94]
		Power	2.3	2.3	2.3	2.5	2.6	2.6	2.8	2.8	2.9

IDB—Indoor air dry bulb

[ ] Designates Metric Conversions

COOLING PERFORMANCE DATA—TZHC-342

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]			1580 [746]	1400 [661]	1220 [576]	1580 [746]	1400 [661]	1220 [576]	1580 [746]	1400 [661]	1220 [576]
DR ①			.19	.16	.11	.19	.16	.11	.19	.16	.11
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	57.5 [16.85]	56.2 [16.47]	54.9 [16.09]	53.3 [15.62]	52.1 [15.27]	51.0 [14.95]	51.4 [15.06]	50.3 [14.74]	49.2 [14.42]
		Sens BTUH [kW]	33.3 [9.76]	31.4 [9.20]	29.6 [8.67]	38.9 [11.40]	36.8 [10.79]	34.6 [10.14]	41.3 [12.10]	39.0 [11.43]	36.7 [10.76]
		Power	3.1	3.1	3.1	3.1	3.1	3.0	3.1	3.1	3.0
	80 [26.7]	Total BTUH [kW]	54.2 [15.88]	53.0 [15.53]	51.8 [15.18]	50.0 [14.65]	48.9 [14.33]	47.8 [14.01]	48.2 [14.13]	47.1 [13.80]	46.0 [13.48]
		Sens BTUH [kW]	31.6 [9.26]	29.8 [8.73]	28.1 [8.24]	37.2 [10.90]	35.2 [10.32]	33.1 [9.70]	39.6 [11.61]	37.4 [10.96]	35.2 [10.32]
		Power	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
	85 [29.4]	Total BTUH [kW]	52.0 [15.24]	50.8 [14.89]	49.7 [14.57]	47.8 [14.01]	46.7 [13.69]	45.7 [13.39]	45.9 [13.45]	44.9 [13.16]	43.9 [12.87]
		Sens BTUH [kW]	30.4 [8.91]	28.7 [8.41]	27.0 [7.91]	36.1 [10.58]	34.1 [9.99]	32.1 [9.41]	38.4 [11.25]	36.3 [10.64]	34.2 [10.02]
		Power	3.4	3.4	3.4	3.4	3.4	3.3	3.4	3.4	3.3
	90 [32.2]	Total BTUH [kW]	50.5 [14.80]	49.4 [14.48]	48.3 [14.16]	46.4 [13.60]	45.3 [13.28]	44.3 [12.98]	44.5 [13.04]	43.5 [12.75]	42.5 [12.46]
		Sens BTUH [kW]	29.6 [8.67]	27.9 [8.18]	26.3 [7.71]	35.2 [10.32]	33.3 [9.76]	31.3 [9.17]	37.6 [11.02]	35.5 [10.40]	33.4 [9.79]
		Power	3.6	3.6	3.5	3.6	3.5	3.5	3.6	3.5	3.5
	95 [35]	Total BTUH [kW]	49.6 [14.54]	48.5 [14.21]	47.4 [13.89]	45.5 [13.33]	44.5 [13.04]	43.5 [12.75]	43.6 [12.78]	42.6 [12.48]	41.7 [12.22]
		Sens BTUH [kW]	29.0 [8.50]	27.4 [8.03]	25.8 [7.56]	34.7 [10.17]	32.8 [9.61]	30.9 [9.06]	37.0 [10.84]	35.0 [10.26]	32.9 [9.64]
		Power	3.7	3.7	3.7	3.7	3.7	3.6	3.7	3.7	3.6
	100 [37.8]	Total BTUH [kW]	49.0 [14.36]	47.9 [14.04]	46.8 [13.72]	44.8 [13.13]	43.8 [12.84]	42.8 [12.54]	42.9 [12.57]	42.0 [12.31]	41.0 [12.02]
		Sens BTUH [kW]	28.6 [8.38]	27.0 [7.91]	25.5 [7.47]	34.3 [10.05]	32.4 [9.50]	30.5 [8.94]	36.6 [10.73]	34.6 [10.14]	32.6 [9.55]
		Power	3.9	3.9	3.8	3.9	3.8	3.8	3.9	3.8	3.8
	105 [40.6]	Total BTUH [kW]	48.3 [14.16]	47.2 [13.83]	46.1 [13.51]	44.1 [12.92]	43.2 [12.66]	42.2 [12.37]	42.3 [12.40]	41.3 [12.10]	40.4 [11.84]
		Sens BTUH [kW]	28.3 [8.29]	26.7 [7.83]	25.1 [7.36]	33.9 [9.94]	32.0 [9.38]	30.2 [8.85]	36.3 [10.64]	34.3 [10.05]	32.3 [9.47]
		Power	4.1	4.0	4.0	4.0	4.0	3.9	4.0	4.0	3.9
	110 [43.3]	Total BTUH [kW]	47.3 [13.86]	46.3 [13.57]	45.2 [13.25]	43.2 [12.66]	42.2 [12.37]	41.2 [12.07]	41.3 [12.10]	40.4 [11.84]	39.5 [11.58]
		Sens BTUH [kW]	27.8 [8.15]	26.3 [7.71]	24.8 [7.27]	33.5 [9.82]	31.7 [9.29]	29.8 [8.73]	35.8 [10.49]	33.9 [9.94]	31.9 [9.35]
		Power	4.2	4.2	4.1	4.2	4.1	4.1	4.2	4.1	4.1
	115 [46.1]	Total BTUH [kW]	45.8 [13.42]	44.8 [13.13]	43.7 [12.81]	41.6 [12.19]	40.7 [11.93]	39.8 [11.66]	39.7 [11.63]	38.9 [11.40]	38.0 [11.14]
		Sens BTUH [kW]	27.2 [7.97]	25.7 [7.53]	24.2 [7.09]	32.9 [9.64]	31.1 [9.11]	29.3 [8.59]	35.3 [10.35]	33.3 [9.76]	31.4 [9.20]
		Power	4.4	4.3	4.3	4.3	4.3	4.2	4.3	4.3	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 x CFM x (1 – DR) x (dbE – 80)].

HEATING PERFORMANCE DATA—TZHC-342

IDB			60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]		
CFM [L/s]			1580 [746]	1400 [661]	1220 [576]	1580 [746]	1400 [661]	1220 [576]	1580 [746]	1400 [661]	1220 [576]
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total BTUH [kW]	16.0 [4.69]	15.8 [4.63]	15.7 [4.60]	14.4 [4.22]	14.3 [4.19]	14.2 [4.16]	13.4 [3.93]	13.3 [3.90]	13.1 [3.84]
		Power	2.2	2.2	2.3	2.5	2.6	2.6	2.8	2.9	2.9
	5 [-15]	Total BTUH [kW]	18.0 [5.28]	17.8 [5.22]	17.7 [5.19]	16.4 [4.81]	16.3 [4.78]	16.1 [4.72]	15.4 [4.51]	15.2 [4.45]	15.1 [4.43]
		Power	2.3	2.3	2.3	2.6	2.6	2.7	2.9	2.9	3.0
	10 [-12.2]	Total BTUH [kW]	20.3 [5.95]	20.1 [5.89]	20.0 [5.86]	18.7 [5.48]	18.6 [5.45]	18.4 [5.39]	17.7 [5.19]	17.6 [5.16]	17.4 [5.10]
		Power	2.3	2.4	2.4	2.6	2.7	2.7	2.9	3.0	3.0
	15 [-9.4]	Total BTUH [kW]	22.9 [6.71]	22.7 [6.65]	22.5 [6.59]	21.3 [6.24]	21.1 [6.18]	20.9 [6.13]	20.3 [5.95]	20.1 [5.89]	19.9 [5.83]
		Power	2.4	2.4	2.4	2.7	2.7	2.8	3.0	3.0	3.1
	20 [-6.7]	Total BTUH [kW]	25.6 [7.50]	25.4 [7.44]	25.2 [7.39]	24.1 [7.06]	23.8 [6.98]	23.6 [6.92]	23.0 [6.74]	22.8 [6.68]	22.6 [6.62]
		Power	2.4	2.5	2.5	2.7	2.8	2.8	3.0	3.1	3.1
	25 [-3.9]	Total BTUH [kW]	28.5 [8.35]	28.2 [8.26]	28.0 [8.21]	26.9 [7.88]	26.7 [7.83]	26.4 [7.74]	25.9 [7.59]	25.7 [7.53]	25.4 [7.44]
		Power	2.5	2.5	2.6	2.8	2.8	2.9	3.1	3.1	3.2
	30 [-1.1]	Total BTUH [kW]	31.4 [9.20]	31.1 [9.11]	30.8 [9.03]	29.8 [8.73]	29.5 [8.65]	29.3 [8.59]	28.8 [8.44]	28.5 [8.35]	28.3 [8.29]
		Power	2.5	2.6	2.6	2.8	2.9	2.9	3.1	3.2	3.2
	35 [1.7]	Total BTUH [kW]	34.2 [10.02]	33.9 [9.94]	33.6 [9.85]	32.6 [9.55]	32.4 [9.50]	32.1 [9.41]	31.6 [9.26]	31.3 [9.17]	31.1 [9.11]
		Power	2.6	2.6	2.7	2.9	2.9	3.0	3.2	3.3	3.3
	40 [4.4]	Total BTUH [kW]	37.0 [10.84]	36.6 [10.73]	36.3 [10.64]	35.4 [10.37]	35.1 [10.29]	34.8 [10.20]	34.4 [10.08]	34.1 [9.99]	33.8 [9.91]
		Power	2.6	2.7	2.7	2.9	3.0	3.0	3.3	3.3	3.4
	45 [7.2]	Total BTUH [kW]	39.5 [11.58]	39.2 [11.49]	38.8 [11.37]	38.0 [11.14]	37.6 [11.02]	37.3 [10.93]	36.9 [10.81]	36.6 [10.73]	36.3 [10.64]
		Power	2.7	2.7	2.8	3.0	3.0	3.1	3.3	3.4	3.4
	50 [10]	Total BTUH [kW]	41.8 [12.25]	41.5 [12.16]	41.1 [12.05]	40.3 [11.81]	39.9 [11.69]	39.6 [11.61]	39.2 [11.49]	38.9 [11.40]	38.5 [11.28]
		Power	2.7	2.8	2.8	3.0	3.1	3.1	3.4	3.4	3.5

IDB—Indoor air dry bulb

[ ] Designates Metric Conversions

COOLING PERFORMANCE DATA—TZHC-348

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]			1800 [850]	1600 [755]	1400 [661]	1800 [850]	1600 [755]	1400 [661]	1800 [850]	1600 [755]	1400 [661]
DR ①			.19	.16	.11	.19	.16	.11	.19	.16	.11
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	61.3 [17.97]	60.0 [17.58]	58.6 [17.17]	57.1 [16.73]	55.9 [16.38]	54.6 [16.00]	54.2 [15.88]	53.0 [15.53]	51.8 [15.18]
		Sens BTUH [kW]	36.1 [10.58]	34.1 [9.99]	32.1 [9.41]	42.7 [12.51]	40.3 [11.81]	38.0 [11.14]	44.8 [13.13]	42.3 [12.40]	39.9 [11.69]
		Power	3.4	3.3	3.3	3.3	3.3	3.2	3.3	3.2	3.2
	80 [26.7]	Total BTUH [kW]	60.0 [17.58]	58.7 [17.20]	57.3 [16.79]	55.8 [16.35]	54.6 [16.00]	53.3 [15.62]	52.9 [15.50]	51.7 [15.15]	50.5 [14.80]
		Sens BTUH [kW]	35.7 [10.46]	33.7 [9.88]	31.7 [9.29]	42.2 [12.37]	39.9 [11.69]	37.6 [11.02]	44.4 [13.01]	41.9 [12.28]	39.5 [11.58]
		Power	3.5	3.5	3.5	3.5	3.4	3.4	3.5	3.4	3.4
	85 [29.4]	Total BTUH [kW]	58.5 [17.14]	57.2 [16.76]	55.9 [16.38]	54.3 [15.91]	53.1 [15.56]	51.9 [15.21]	51.4 [15.06]	50.3 [14.74]	49.1 [14.39]
		Sens BTUH [kW]	35.0 [10.26]	33.0 [9.67]	31.1 [9.11]	41.5 [12.16]	39.3 [11.52]	37.0 [10.84]	43.7 [12.81]	41.2 [12.07]	38.8 [11.37]
		Power	3.7	3.7	3.6	3.7	3.6	3.6	3.6	3.6	3.6
	90 [32.2]	Total BTUH [kW]	56.9 [16.68]	55.7 [16.32]	54.4 [15.94]	52.7 [15.44]	51.6 [15.12]	50.4 [14.77]	49.8 [14.59]	48.7 [14.27]	47.6 [13.95]
		Sens BTUH [kW]	34.1 [9.99]	32.2 [9.44]	30.3 [8.88]	40.7 [11.93]	38.4 [11.25]	36.2 [10.61]	42.8 [12.54]	40.4 [11.84]	38.1 [11.17]
		Power	3.9	3.9	3.8	3.8	3.8	3.7	3.8	3.8	3.7
	95 [35]	Total BTUH [kW]	55.4 [16.24]	54.1 [15.86]	52.9 [15.50]	51.2 [15.01]	50.0 [14.65]	48.9 [14.33]	48.3 [14.16]	47.2 [13.83]	46.1 [13.51]
		Sens BTUH [kW]	33.2 [9.73]	31.3 [9.17]	29.5 [8.65]	39.7 [11.63]	37.5 [10.99]	35.3 [10.35]	41.8 [12.25]	39.5 [11.58]	37.2 [10.90]
		Power	4.1	4.0	4.0	4.0	4.0	3.9	4.0	3.9	3.9
	100 [37.8]	Total BTUH [kW]	53.9 [15.80]	52.7 [15.44]	51.5 [15.09]	49.7 [14.57]	48.6 [14.24]	47.5 [13.92]	46.8 [13.72]	45.7 [13.39]	44.7 [13.10]
		Sens BTUH [kW]	32.2 [9.44]	30.4 [8.91]	28.7 [8.41]	38.8 [11.37]	36.6 [10.73]	34.5 [10.11]	40.9 [11.99]	38.6 [11.31]	36.4 [10.67]
		Power	4.2	4.2	4.2	4.2	4.1	4.1	4.2	4.1	4.1
	105 [40.6]	Total BTUH [kW]	52.5 [15.39]	51.3 [15.03]	50.2 [14.71]	48.3 [14.16]	47.2 [13.83]	46.2 [13.54]	45.4 [13.31]	44.4 [13.01]	43.4 [12.72]
		Sens BTUH [kW]	31.4 [9.20]	29.6 [8.67]	27.9 [8.18]	37.9 [11.11]	35.8 [10.49]	33.7 [9.88]	40.0 [11.72]	37.8 [11.08]	35.6 [10.43]
		Power	4.4	4.4	4.3	4.4	4.3	4.3	4.3	4.3	4.2
	110 [43.3]	Total BTUH [kW]	51.3 [15.03]	50.2 [14.71]	49.1 [14.39]	47.2 [13.83]	46.1 [13.51]	45.1 [13.22]	44.3 [12.98]	43.3 [12.69]	42.3 [12.40]
		Sens BTUH [kW]	30.7 [9.00]	29.0 [8.50]	27.3 [8.00]	37.3 [10.93]	35.2 [10.32]	33.2 [9.73]	39.4 [11.55]	37.2 [10.90]	35.0 [10.26]
		Power	4.6	4.5	4.5	4.5	4.5	4.4	4.5	4.5	4.4
	115 [46.1]	Total BTUH [kW]	50.5 [14.80]	49.3 [14.45]	48.2 [14.13]	46.3 [13.57]	45.2 [13.25]	44.2 [12.95]	43.4 [12.72]	42.4 [12.43]	41.4 [12.13]
		Sens BTUH [kW]	30.3 [8.88]	28.7 [8.41]	27.0 [7.91]	36.9 [10.81]	34.9 [10.23]	32.8 [9.61]	39.0 [11.43]	36.9 [10.81]	34.7 [10.17]
		Power	4.8	4.7	4.7	4.7	4.7	4.6	4.7	4.6	4.6

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—TZHC-348

IDB			60°F [15.5°C]			70°F [21.1°C]			80°F [26.7°C]		
CFM [L/s]			1800 [850]	1600 [755]	1400 [661]	1800 [850]	1600 [755]	1400 [661]	1800 [850]	1600 [755]	1400 [661]
OUTDOOR DRY BULB TEMPERATURE °F [°C]	0 [-17.8]	Total BTUH [kW]	15.1 [4.43]	14.9 [4.37]	14.8 [4.34]	14.3 [4.19]	14.2 [4.16]	14.1 [4.13]	13.4 [3.93]	13.3 [3.90]	13.2 [3.87]
		Power	2.6	2.6	2.6	3.0	3.1	3.1	3.4	3.4	3.5
	5 [-15]	Total BTUH [kW]	18.3 [5.36]	18.1 [5.30]	17.9 [5.25]	17.5 [5.13]	17.3 [5.07]	17.2 [5.04]	16.6 [4.86]	16.5 [4.84]	16.3 [4.78]
		Power	2.6	2.7	2.7	3.1	3.1	3.2	3.4	3.5	3.5
	10 [-12.2]	Total BTUH [kW]	21.8 [6.39]	21.6 [6.33]	21.4 [6.27]	21.0 [6.15]	20.8 [6.10]	20.6 [6.04]	20.1 [5.89]	20.0 [5.86]	19.8 [5.80]
		Power	2.7	2.7	2.8	3.1	3.2	3.2	3.5	3.5	3.6
	15 [-9.4]	Total BTUH [kW]	25.5 [7.47]	25.3 [7.41]	25.0 [7.33]	24.7 [7.24]	24.5 [7.18]	24.3 [7.12]	23.9 [7.00]	23.6 [6.92]	23.4 [6.86]
		Power	2.7	2.8	2.8	3.2	3.3	3.3	3.5	3.6	3.7
	20 [-6.7]	Total BTUH [kW]	29.3 [8.59]	29.0 [8.50]	28.8 [8.44]	28.5 [8.35]	28.3 [8.29]	28.0 [8.21]	27.6 [8.09]	27.4 [8.03]	27.2 [7.97]
		Power	2.8	2.8	2.9	3.3	3.3	3.4	3.6	3.7	3.7
	25 [-3.9]	Total BTUH [kW]	33.0 [9.67]	32.7 [9.58]	32.4 [9.50]	32.3 [9.47]	32.0 [9.38]	31.7 [9.29]	31.4 [9.20]	31.1 [9.11]	30.8 [9.03]
		Power	2.9	2.9	3.0	3.3	3.4	3.4	3.7	3.7	3.8
	30 [-1.1]	Total BTUH [kW]	36.6 [10.73]	36.3 [10.64]	35.9 [10.52]	35.8 [10.49]	35.5 [10.40]	35.2 [10.32]	34.9 [10.23]	34.6 [10.14]	34.3 [10.05]
		Power	2.9	3.0	3.0	3.4	3.4	3.5	3.7	3.8	3.8
	35 [1.7]	Total BTUH [kW]	39.8 [11.66]	39.5 [11.58]	39.1 [11.46]	39.1 [11.46]	38.7 [11.34]	38.4 [11.25]	38.2 [11.20]	37.9 [11.11]	37.5 [10.99]
		Power	3.0	3.0	3.1	3.5	3.5	3.6	3.8	3.9	3.9
	40 [4.4]	Total BTUH [kW]	42.7 [12.51]	42.3 [12.40]	41.9 [12.28]	41.9 [12.28]	41.5 [12.16]	41.2 [12.07]	41.0 [12.02]	40.7 [11.93]	40.3 [11.81]
		Power	3.0	3.1	3.1	3.5	3.6	3.6	3.9	3.9	4.0
	45 [7.2]	Total BTUH [kW]	45.0 [13.19]	44.6 [13.07]	44.2 [12.95]	44.2 [12.95]	43.8 [12.84]	43.4 [12.72]	43.3 [12.69]	42.9 [12.57]	42.5 [12.46]
		Power	3.1	3.2	3.2	3.6	3.6	3.7	3.9	4.0	4.0
	50 [10]	Total BTUH [kW]	46.5 [13.63]	46.1 [13.51]	45.7 [13.39]	45.8 [13.42]	45.4 [13.31]	45.0 [13.19]	44.9 [13.16]	44.5 [13.04]	44.1 [12.92]
		Power	3.2	3.2	3.3	3.6	3.7	3.8	4.0	4.0	4.1

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		CFM [L/s] Air Delivery/RPM/Watts—208 Volts Side Discharge—Wet Coil						
						External Static Pressure—Inches W.C. [kPa]						
						0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]
2.0 [7.03]	High	700 CFM/900 CFM [271/319 L/s]	9x7 1/4 HP [186] 2 Speed Motor	Low	CFM	675 [319]	657 [310]	634 [299]	602 [284]	560 [264]	505 [238]	435 [205]
					RPM	695	785	870	905	940	980	1020
					Watts	221	214	203	191	171	163	149
				High	CFM	898 [424]	861 [406]	822 [388]	777 [367]	721 [340]	651 [307]	562 [265]
					RPM	940	965	995	1020	1045	1070	1090
					Watts	292	278	266	253	239	221	199
2.5 [8.79]	Low	875 CFM/1125 CFM [413/531 L/s]	10x9 1/2 HP [372] 2 Speed Motor	Low	CFM	1076 [508]	1059 [500]	1032 [487]	996 [470]	950 [448]	896 [423]	832 [393]
					RPM	730	775	820	865	905	940	975
					Watts	356	349	341	331	320	305	287
				Medium	CFM	1222 [577]	1197 [565]	1179 [556]	1162 [548]	1137 [537]	1097 [518]	1033 [488]
					RPM	765	810	855	890	920	960	995
					Watts	423	415	407	397	386	370	351
				High	CFM	1514 [715]	1461 [690]	1415 [668]	1370 [647]	1322 [624]	1266 [597]	1197 [565]
					RPM	895	930	965	985	1005	1025	1045
					Watts	538	514	493	473	454	434	412
3.0 [10.55]	Low	1050 CFM/1350 CFM [496/637 L/s]	10x9 1/3 HP [248] 1 Speed Motor	High	CFM	1222 [577]	1201 [567]	1173 [554]	1137 [537]	1090 [514]	1030 [486]	954 [450]
					RPM	785	805	830	870	905	950	990
					Watts	355	352	346	340	331	320	306
3.5 [12.31]	Low	1225 CFM/1575 CFM [578/743 L/s]	10x9 3/4 HP [559] 2 Speed Motor	Low	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
				High	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	1350 CFM/1700 CFM [496/802 L/s]	10x9 3/4 HP [559] 2 Speed Motor	Low	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
				High	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.

[ ] 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		CFM [L/s] Air Delivery/RPM/Watts—230 Volts Side Discharge—Wet Coil						
						External Static Pressure—Inches W.C. [kPa]						
						0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]
2.0 [7.03]	High	700 CFM/900 CFM [271/319 L/s]	9x7 1/4 HP [186] 2 Speed Motor	Low	CFM	771 [364]	751 [354]	725 [342]	691 [326]	645 [304]	584 [276]	546 [258]
					RPM	825	870	910	950	985	1010	1030
					Watts	253	242	230	217	204	189	181
				High	CFM	946 [446]	922 [435]	882 [416]	830 [392]	769 [363]	701 [331]	630 [297]
					RPM	990	1015	1035	1055	1070	1085	1100
					Watts	315	303	288	273	257	241	226
2.5 [8.79]	Low	875 CFM/1125 CFM [413/531 L/s]	10x9 1/2 HP [373] 2 Speed Motor	Low	CFM	1206 [569]	1182 [558]	1157 [546]	1128 [532]	1091 [515]	1044 [493]	983 [464]
					RPM	760	815	870	910	950	975	1000
					Watts	419	406	394	381	368	353	334
				Medium	CFM	1411 [666]	1368 [646]	1327 [626]	1285 [606]	1238 [584]	1183 [558]	1116 [527]
					RPM	865	900	935	970	1000	1020	1035
					Watts	498	498	481	464	447	431	391
				High	CFM	1641 [774]	1577 [744]	1515 [715]	1455 [687]	1393 [657]	1329 [627]	1262 [596]
					RPM	980	1000	1020	1035	1050	1065	1080
					Watts	589	565	543	523	503	481	456
3.0 [10.55]	High	1050 CFM/1350 CFM [496/637 L/s]	10x9 1/3 HP [249] 1 Speed Motor	High	CFM	1391 [656]	1357 [640]	1312 [619]	1258 [594]	1201 [567]	1145 [540]	1093 [516]
					RPM	835	875	915	940	965	985	1000
					Watts	428	419	406	392	378	365	355
3.5 [12.31]	Low	1225 CFM/1575 CFM [578/743 L/s]	10x9 3/4 HP [559] 2 Speed Motor	Low	CFM	1467 [692]	1439 [679]	1408 [665]	1360 [642]	1331 [628]	1287 [607]	1259 [594]
					RPM	831	854	894	932	972	1005	1042
					Watts	276	282	297	307	319	326	341
				High	CFM	1550 [732]	1520 [717]	1486 [701]	1449 [684]	1407 [664]	1382 [652]	1337 [631]
					RPM	867	890	930	974	1003	1039	1073
					Watts	317	323	339	355	362	377	385
4.0 [14.07]	Low	1350 CFM/1700 CFM [496/802 L/s]	10x9 3/4 HP [559] 2 Speed Motor	Low	CFM	1692 [799]	1661 [784]	1633 [771]	1589 [750]	1560 [736]	1512 [714]	1442 [681]
					RPM	931	950	982	1018	1054	1082	1103
					Watts	404	409	424	434	450	453	443
				High	CFM	1748 [825]	1718 [811]	1686 [796]	1647 [777]	1616 [763]	1543 [728]	1472 [695]
					RPM	955	978	1010	1043	1073	1096	1111
					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]	800 [378]	1000 [472]	1200 [566]	1400 [661]	1600 [775]
Pressure Drop—Inches W.C. [kPa]	.00	.01 [.002]	.02 [.005]	.03 [.007]	.05 [.012]	.07 [.017]

[ ] Designates Metric Conversions

ELECTRICAL DATA—TZHC- SERIES

ELECTRICAL DATA – TZHC- SERIES									
		324JA	**330JA**	**336CA**	**336JA**	**342CA**	**342JA**	**348CA**	**348JA**
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	187-253	187-253	187-253	187-253	187-253
	Minimum Circuit Ampacity	17/17	21/21	16/16	24/24	25/25	32/32	25/25	37/37
	Minimum Overcurrent Protection Device Size	20/20	25/25	20/20	30/30	30/30	40/40	30/30	45/45
	Maximum Overcurrent Protection Device Size	25/25	30/30	25/25	35/35	35/35	45/45	35/35	50/50
Compressor Motor	No.	1	1	1	1	1	1	1	1
	Volts	208/230	208/230	200/230	208/230	200/230	208/230	200/230	208/230
	Phase	1	1	3	1	3	1	3	1
	HP	2	2 1/2	3	3	3 1/2	3 1/2	4	4
	RPM	3450	3450	3450	3450	3450	3450	3450	3450
	Amps (RLA)	10.9/10.9	13.5/13.5	10.3/10.3	16/16	12.4/12.4	17.9/17.9	12.4/12.4	22/22
	Amps (LRA)	54/54	72.5/72.5	77/77	88/88	88/88	95/95	88/88	137/137
Condenser Motor	No.	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
	Phase	1	1	1	1	1	1	1	1
	HP	1/5	1/5	1/5	1/5	1/3	1/3	1/3	1/3
	Amps (FLA)	1.3	1.3	1.3	1.3	2	2	2	2
	Amps (LRA)	2.2	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
	Volts	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
	HP	1/4	1/2	1/3	1/3	3/4	3/4	3/4	3/4
	Amps (FLA)	1.5	2.4	1.7	1.7	6.8	6.8	6.8	6.8
	Amps (LRA)	2.4	5.1	2.5	2.5	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
TZHC-324JA	RXQJ-A05J (208-240 volt, 1-ph, 5kW)
	RXQJ-A10J (208-240 volt, 1-ph, 10kW)
TZHC-330JA	RXQJ-A05J (208-240 volt, 1-ph, 5kW)
	RXQJ-A10J (208-240 volt, 1-ph, 10kW)
TZHC-336JA	RXQJ-A10J (208-240 volt, 1-ph, 10kW)
	RXQJ-A15J (208-240 volt, 1-ph, 15kW)
TZHC-342JA	RXQJ-B10J (208-240 volt, 1-ph, 10kW)
	RXQJ-B15J (208-240 volt, 1-ph, 15kW)
TZHC-348JA	RXQJ-B10J (208-240 volt, 1-ph, 10kW)
	RXQJ-B15J (208-240 volt, 1-ph, 15kW)
TZHC-336CA	RXQJ-A10C (208-240 volt, 3-ph, 10kW)
	RXQJ-A15C (208-240 volt, 3-ph, 15kW)
TZHC-342CA	RXQJ-A10C (208-240 volt, 3-ph, 10kW)
	RXQJ-A15C (208-240 volt, 3-ph, 15kW)
TZHC-348CA	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.

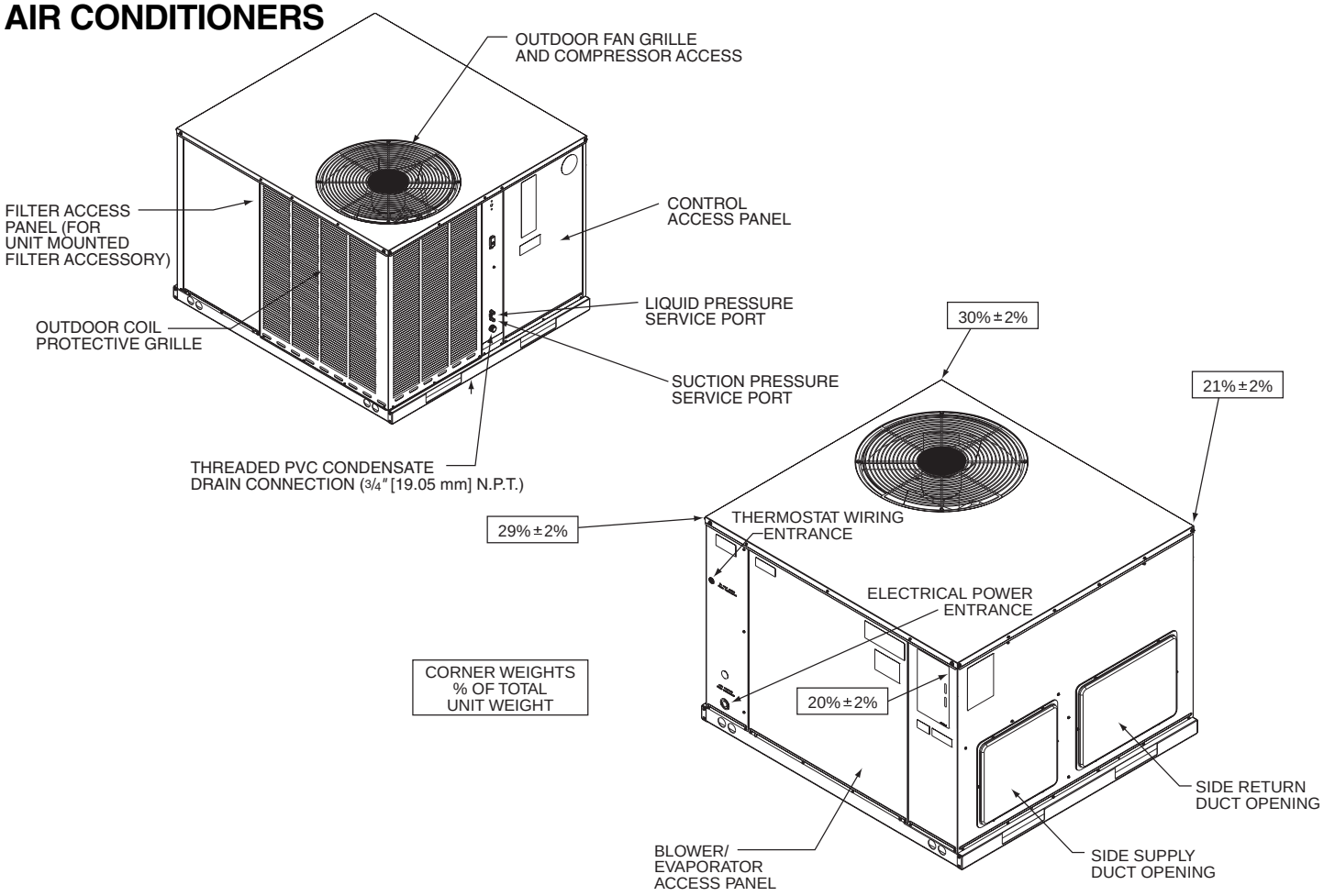
208-240 VOLT, SINGLE PHASE, 60 HZ, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION

Unit Model No. TZHC-	Single Power Supply For Both Unit and Heater Kit									Separate Power Supply For Both Unit and Heater Kit				
	Heater Kit						Heat Pump			Heater Kit		Heat 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. Ckt. Ampacity @ 208-240 V	Over Current Protective Device Size		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	Min./Max. @ 240 V				Min./Max. @ 208 V	Min./Max. @ 240 V
324JA	No Heat	—	—	—	—	—	17/17	20/25	20/25	—	—	17/17	20/25	20/25
	A05J	1	1	3.6/4.8	12.28/16.38	17.3/20.0	39/42	40/40	45/45	22/25	25/25	—	—	—
	A10J	2	2	7.2/9.6	24.56/32.75	34.6/40.0	60/67	60/60	70/70	44/50	45/50	—	—	—
330JA	No Heat	—	—	—		—	21/21	25/30	25/30	—	—	21/21	25/30	25/30
	A05J	1	1	3.6/4.8	12.28/16.38	17.3/20.0	43/46	45/50	50/50	22/25	25/25	—	—	—
	A10J	2	2	7.2/9.6	24.56/32.75	34.6/40.0	64/71	70/70	80/80	44/50	45/50	—	—	—
336JA	No Heat	—	—	—		—	24/24	30/35	30/35	—	—	24/24	30/35	30/35
	A10J	2	2	7.2/9.6	24.56/32.75	34.6/40.0	67/74	70/70	80/80	44/50	45/50	—	—	—
	A15J	3	2	10.8/14.4	36.84/49.13	51.9/60.0	88/99	90/90	100/100	65/75	70/80	—	—	—
342JA	No Heat	—	—	—		—	31/31	35/45	35/45	—	—	31/31	35/45	35/45
	B10J	2	2	7.2/9.6	24.56/32.75	34.6/40.0	74/81	80/80	90/90	44/50	45/50	—	—	—
	B15J	3	2	10.8/14.4	36.84/49.13	51.9/60.0	96/106	100/100	110/110	65/75	70/80	—	—	—
348JA	No Heat	—	—	—		—	36/36	45/50	45/50	—	—	36/36	45/50	45/50
	B10J	2	2	7.2/9.6	24.56/32.75	34.6/40.0	79/86	80/90	90/90	44/50	45/50	—	—	—
	B15J	3	2	10.8/14.4	36.84/49.13	51.9/60.0	101/111	110/110	125/125	65/75	70/80	—	—	—

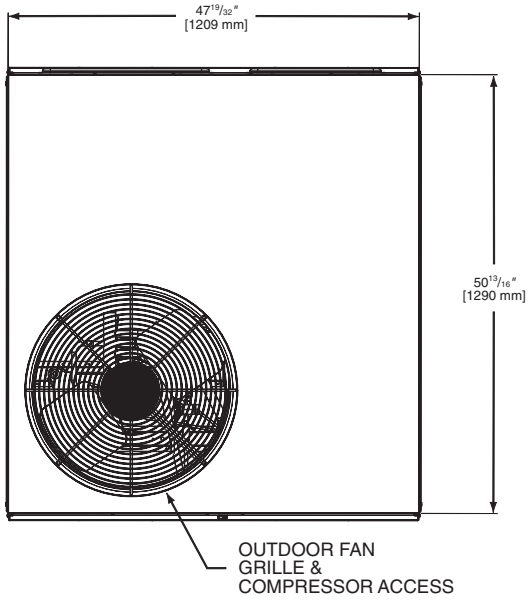
208-240 VOLT, THREE PHASE, 60 HZ, AUXILIARY ELECTRIC HEATER KITS CHARACTERISTICS AND APPLICATION

Unit Model No. TZHC-	Single Power Supply For Both Unit and Heater Kit									Separate Power Supply For Both Unit and Heater Kit				
	Heater Kit						Heat Pump			Heater Kit		Heat 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. Ckt. Ampacity @ 208-240 V	Over Current Protective Device Size		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	Min./Max. @ 240 V				Min./Max. @ 208 V	Min./Max. @ 240 V
336CA	No Heat	—	—	—		—	16/16	20/25	20/25	—	—	16/16	20/25	20/25
	A10C	3	3	7.2/9.6	24.56/32.75	20.0/23.1	41/45	45/45	45/45	25/29	25/30	—	—	—
	A15C	3	3	10.8/14.4	36.84/49.13	30.1/34.7	54/60	60/60	60/60	38/44	40/45	—	—	—
342CA	No Heat	—	—	—		—	24/24	30/35	30/35	—	—	24/24	30/35	30/35
	A10C	3	3	7.2/9.6	24.56/32.75	20.0/23.1	49/53	50/50	60/60	25/29	25/30	—	—	—
	A15C	3	3	10.8/14.4	36.84/49.13	30.1/34.7	62/67	70/70	70/70	38/44	40/45	—	—	—
348CA	No Heat	—	—	—		—	26/26	30/35	30/35	—	—	26/26	30/35	30/35
	A10C	3	3	7.2/9.6	24.56/32.75	20.0/23.1	51/55	60/60	60/60	25/29	25/30	—	—	—
	A15C	3	3	10.8/14.4	36.84/49.13	30.1/34.7	63/69	70/70	70/70	38/44	40/45	—	—	—

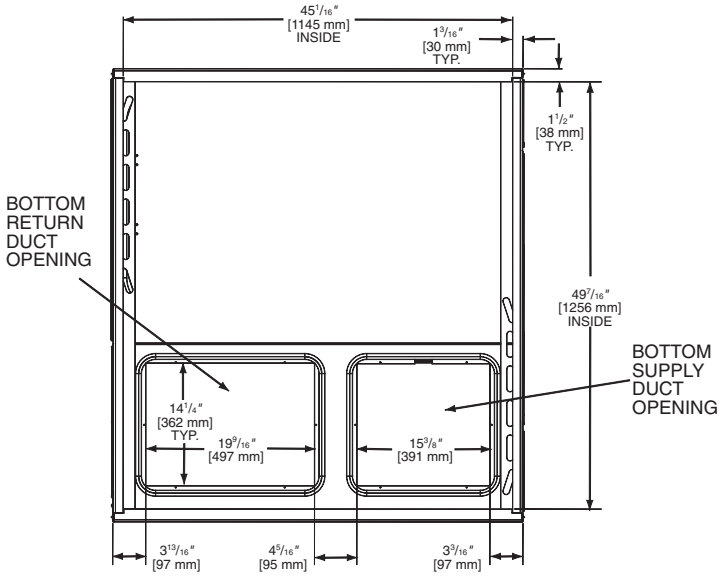
UNIT DIMENSIONS SELF-CONTAINED AIR CONDITIONERS



TOP VIEW



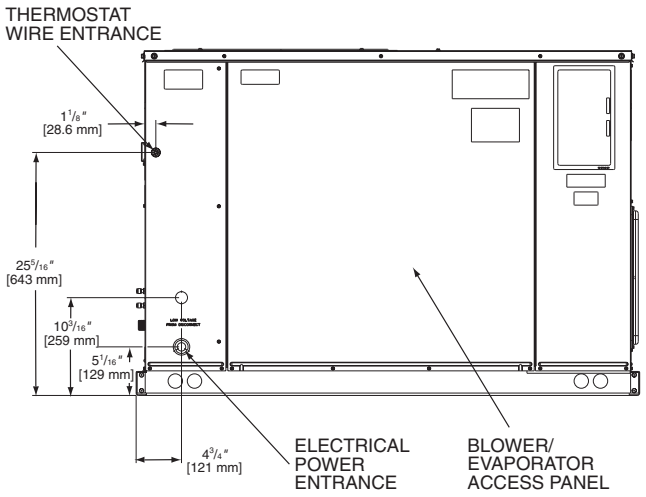
BOTTOM VIEW



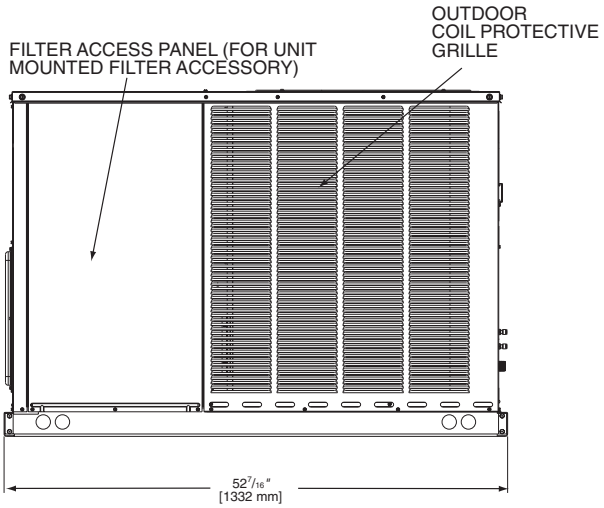
[ ] Designates Metric Conversions

UNIT DIMENSIONS—TZHC- SERIES

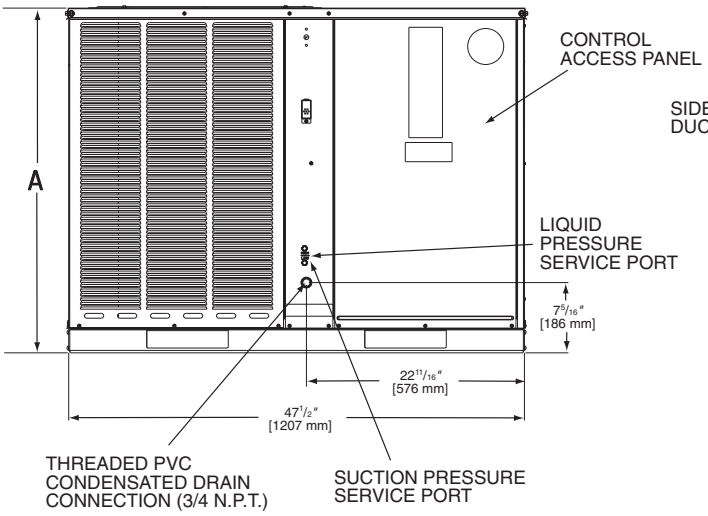
SIDE VIEW



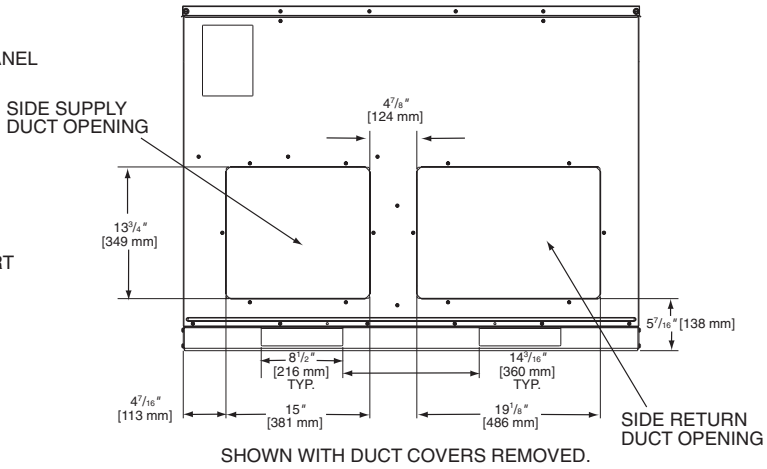
SIDE VIEW



FRONT VIEW



BACK VIEW

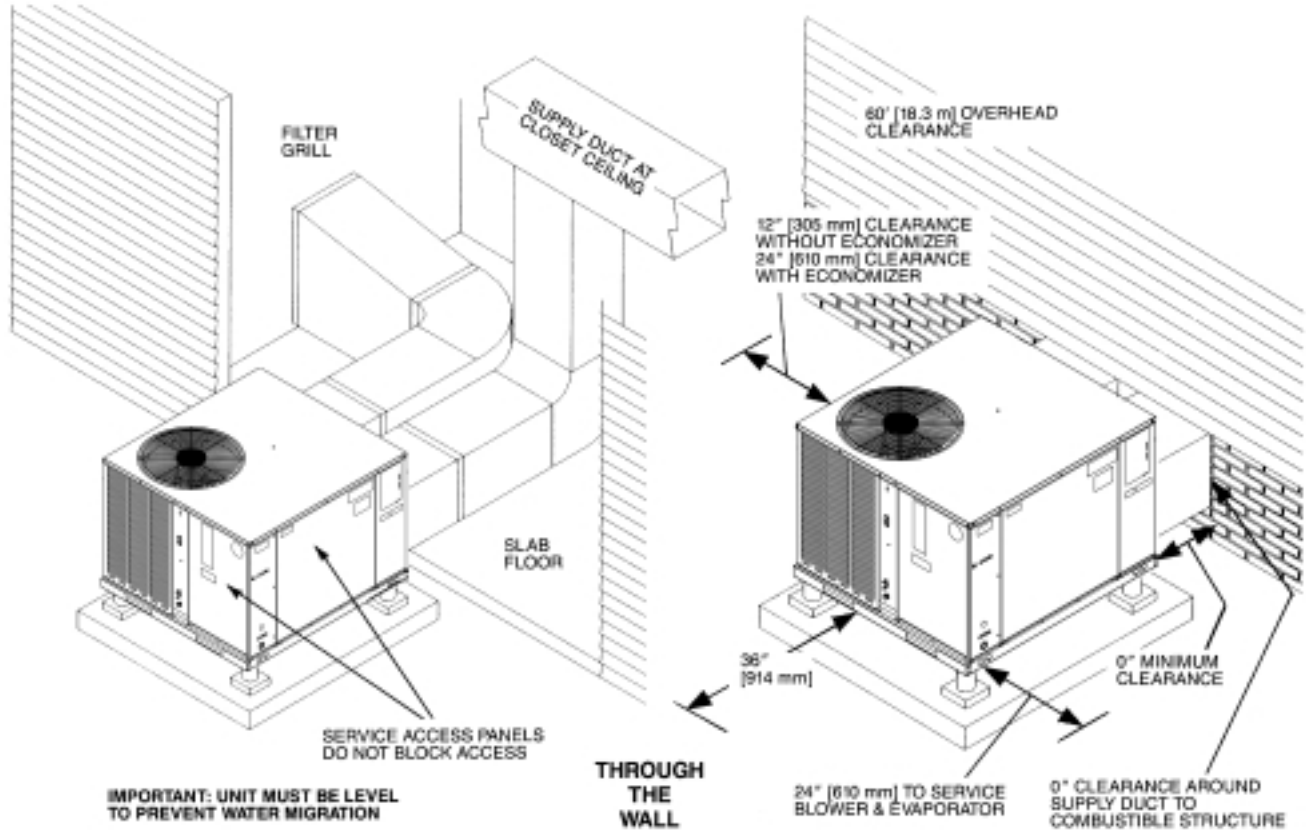


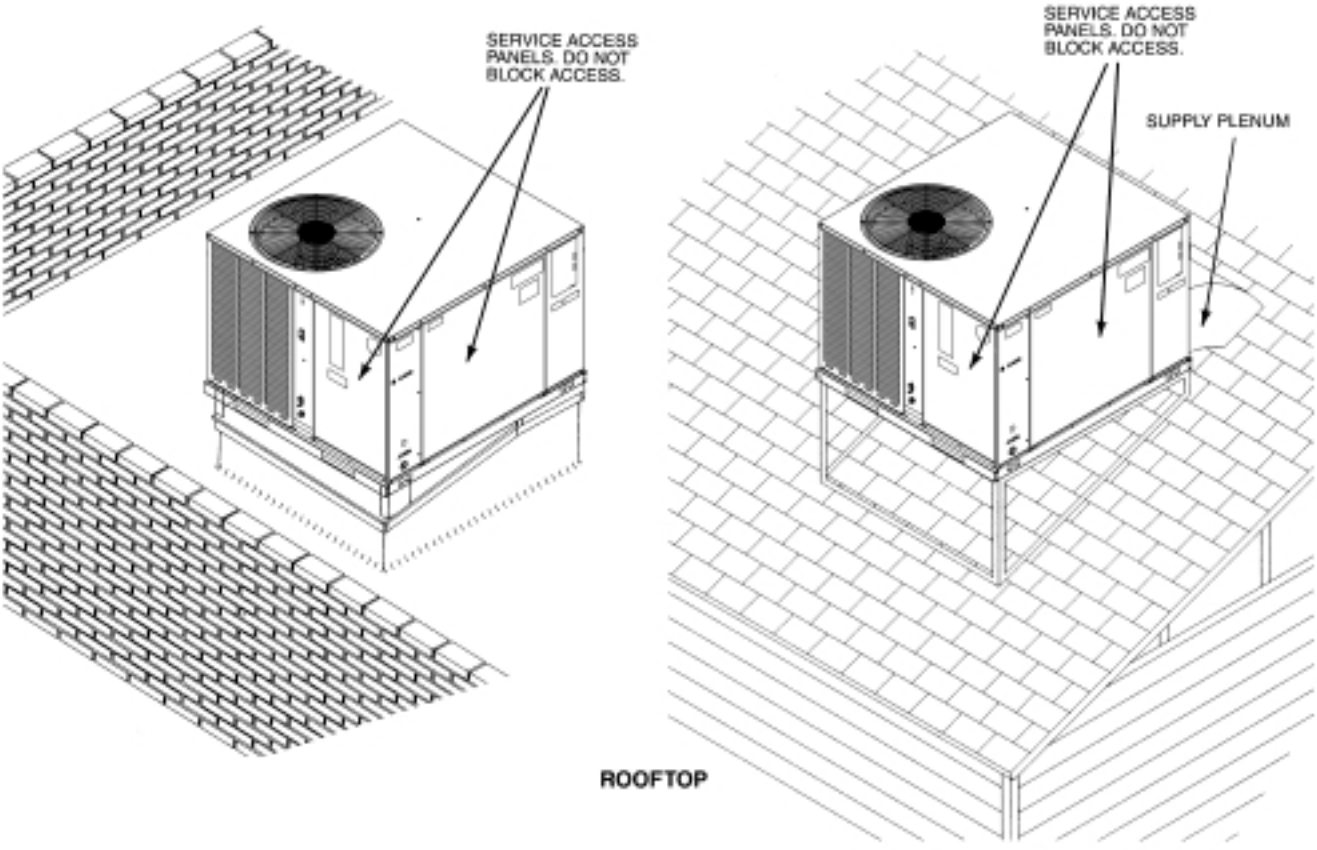
IMPORTANT:
INSTALLATION MUST NOT INTERFERE WITH DRAINAGE OPENINGS IN BOTTOM OF UNIT UNDER OUTDOOR COIL.

Model Number	Height "A"
024	35 15/16
030, 036, 042, 048	41

IMPORTANT:
UNIT MUST BE LEVEL TO PREVENT WATER MIGRATION.

[ ] Designates Metric Conversions



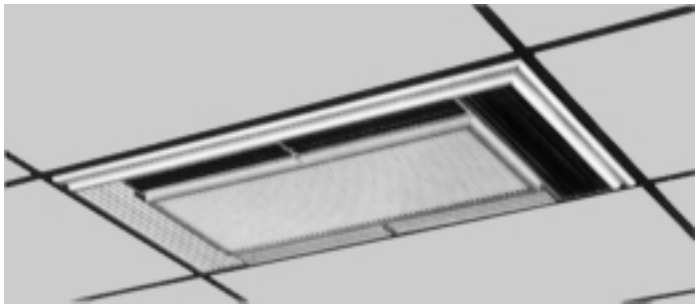


[ ] Designates Metric Conversions

ACCESSORY EQUIPMENT

Accessory Description	Model Application	Accessory Model No.
Roofcurbs	TZHC-	RXQG-AAA14 (14" [356 mm] Height) RXQG-AAA24 (24" [610 mm] Height)
Supply & Return Diffusers	TZHC-	RXRN-D15
Economizers (Downflow Only)	TZHC-	RXRE-CAA30 (3 Position) RXRD-CAM10 (Fully Modulating)
Economizers (Sideflow Only)	TZHC-	RXRD-CCM10 (Fully Modulating) RXRE-CAA30 (3 Position)
Fresh Air Damper	TZHC-	RXRF-FAB1 (Motorized-35%) RXRF-FAA1 (Fixed-35%)
Rectangular to Round Transition (Downflow)	TZHC-	RXMC-CA02 (16" [406 mm] Ducts) RXMC-CA03 (18" [457 mm] Ducts)
Filter Kit	TZHC-	RXRY-01
High Pressure Control	TZHC-	RXAB-A04
Outdoor Thermostat	TZHC-	RXPT-A01
Low Ambient Control	TZHC-	RXPZ-C01 or RXPZ-F01
Duct Adapter Sideflow Square to Round Transition	TZHC-	RXMC-A01

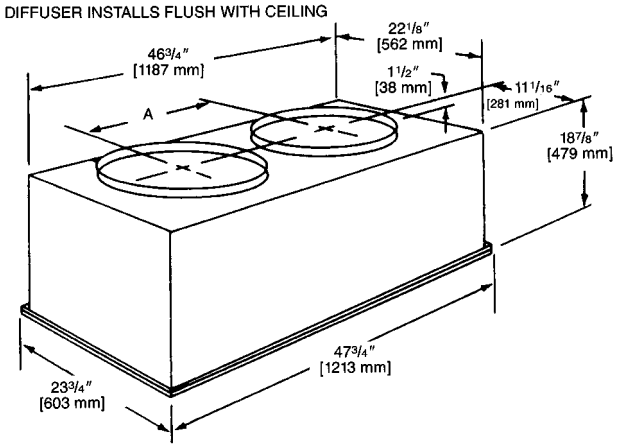
COMMON SUPPLY/RETURN CONCENTRIC AIR DIFFUSER



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. RXRN-	Diameter Inches [mm]	Shipping Wt. Lbs. [kg]	Dimension A Inches [mm]
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]

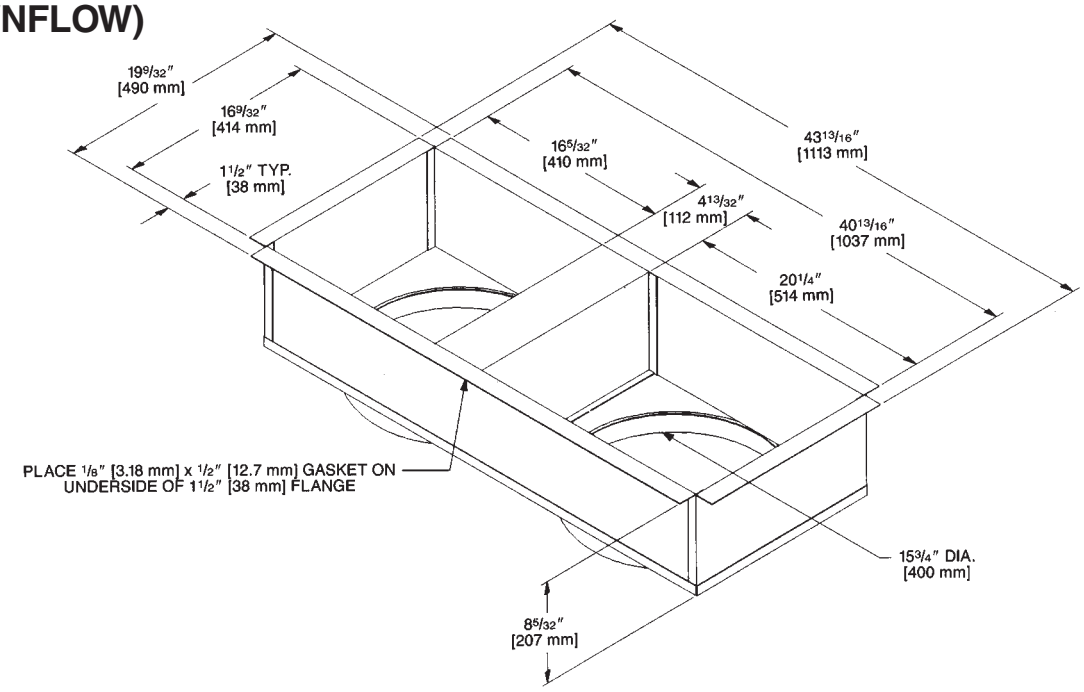
SUPPLY AIR/PERFORMANCE

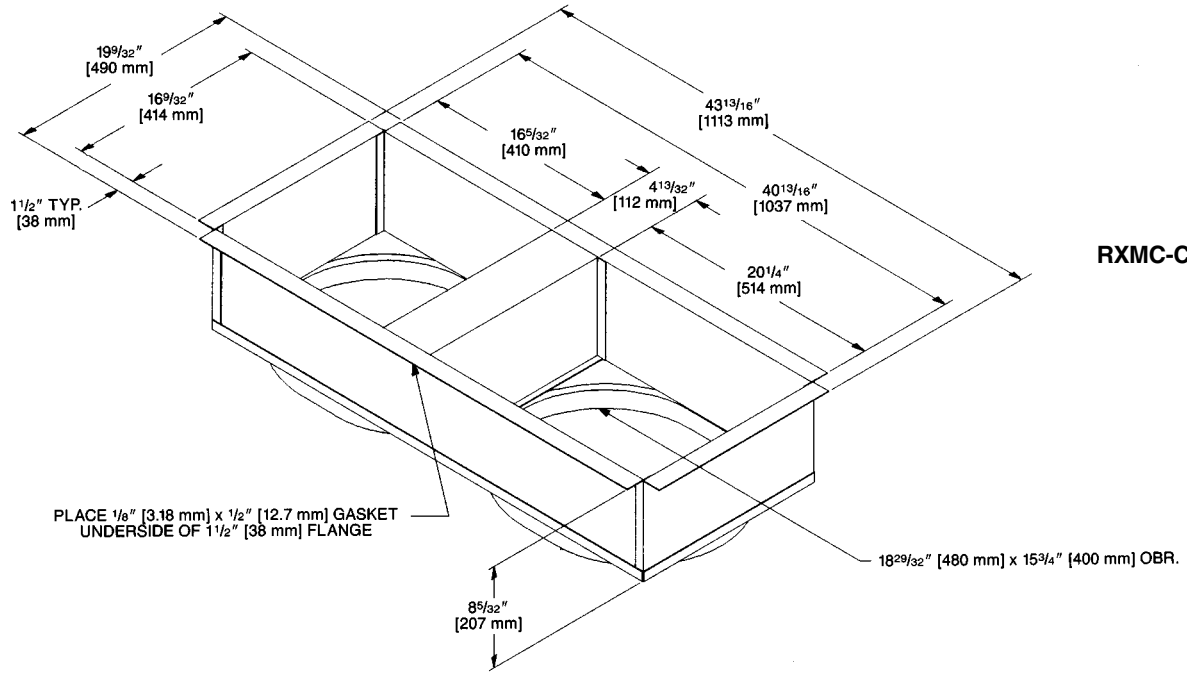
Diffuser Airflow CFM [L/s]	Range of Throw Ft. [m]
800 [378]-1200 [566]	14 [4.27]-16 [4.88]
1600 [755]-2000 [944]	18 [5.49]-28 [8.53]

[ ] Designates Metric Conversions

DUCT ADAPTERS
RECTANGULAR TO ROUND TRANSITIONS (DOWNFLOW)

RXMC-CA02





RXMC-CA03

[ ] Designates Metric Conversions

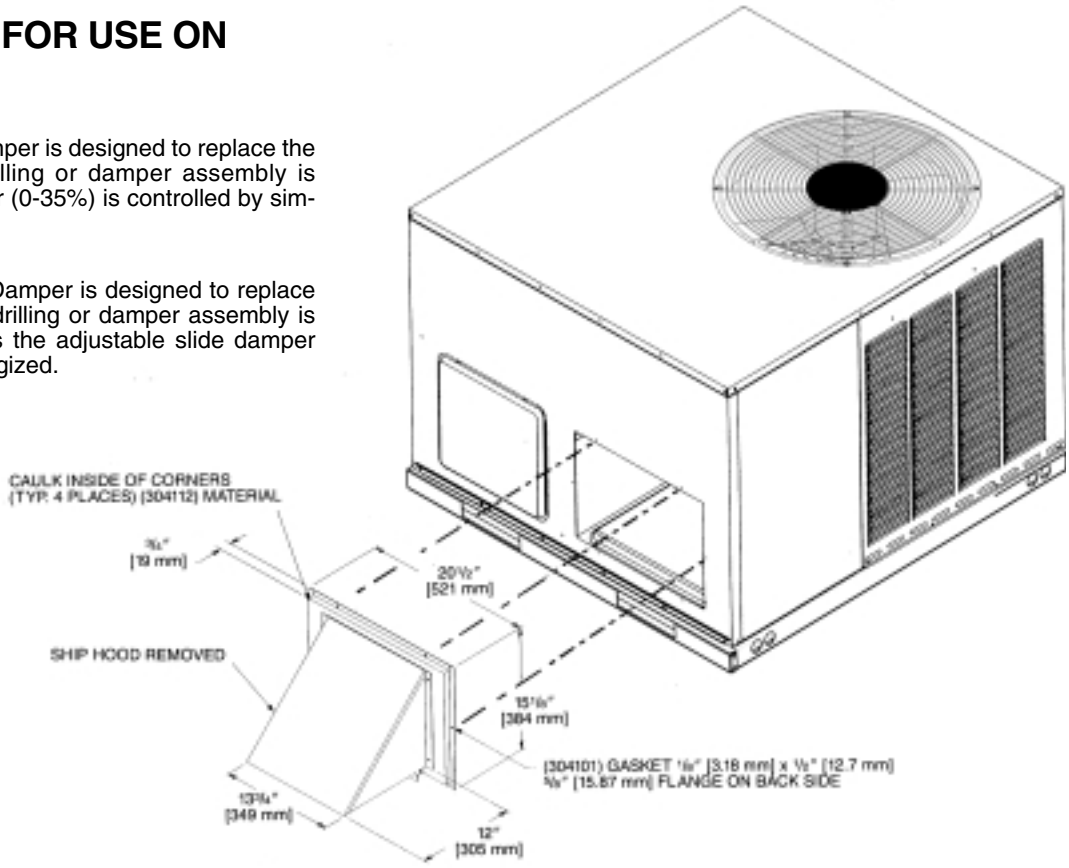
FRESH AIR DAMPER FOR USE ON TZHC- SERIES

RXRF-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.

RXRF-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.



ECONOMIZERS

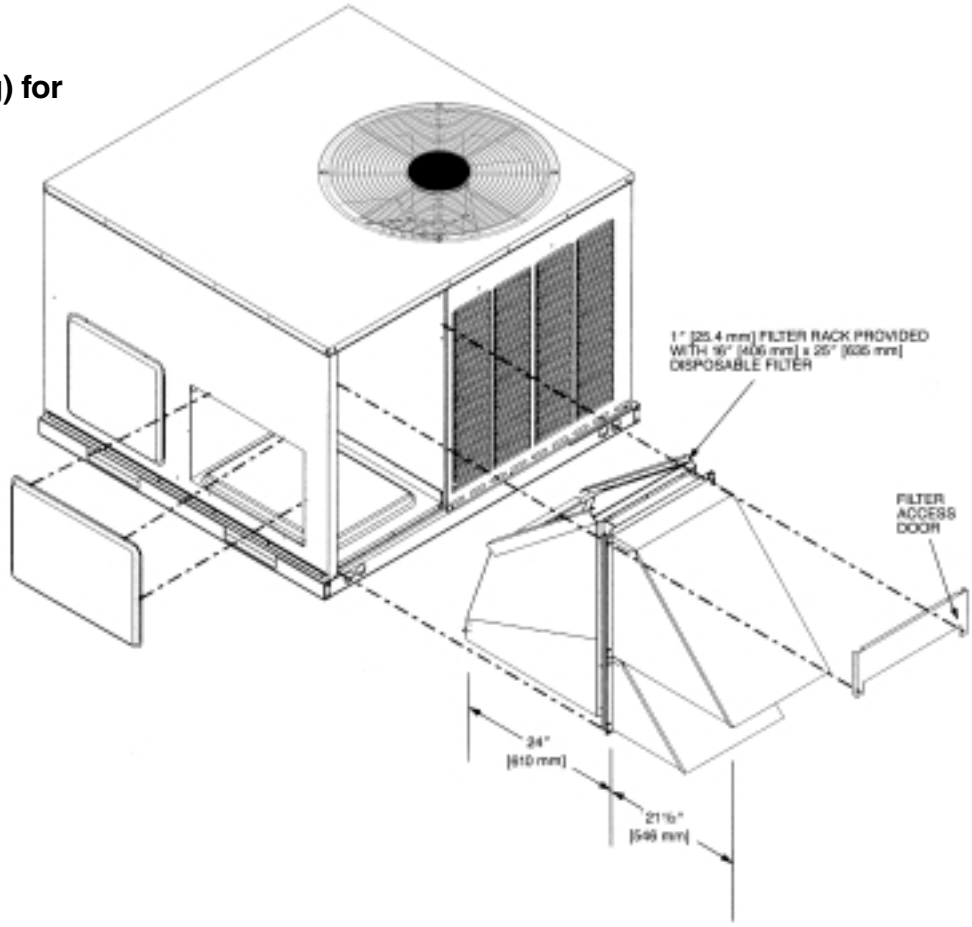
RXRE-CAA30 (3 Position) and RXRD-CAM10 (Fully Modulating) for TZHC- Series

RXRE-CAA30 (3 Position)

Provided with enthalpy control, and mixed air sensor. Settings include fully open, fully closed and adjustable mid point.

RXRD-CAM10 (Fully Modulating)

Provided with enthalpy control, mixed air sensor and minimum position potentiometer for proportioning (modulating) the amount of fresh air.



[ ] Designates Metric Conversions

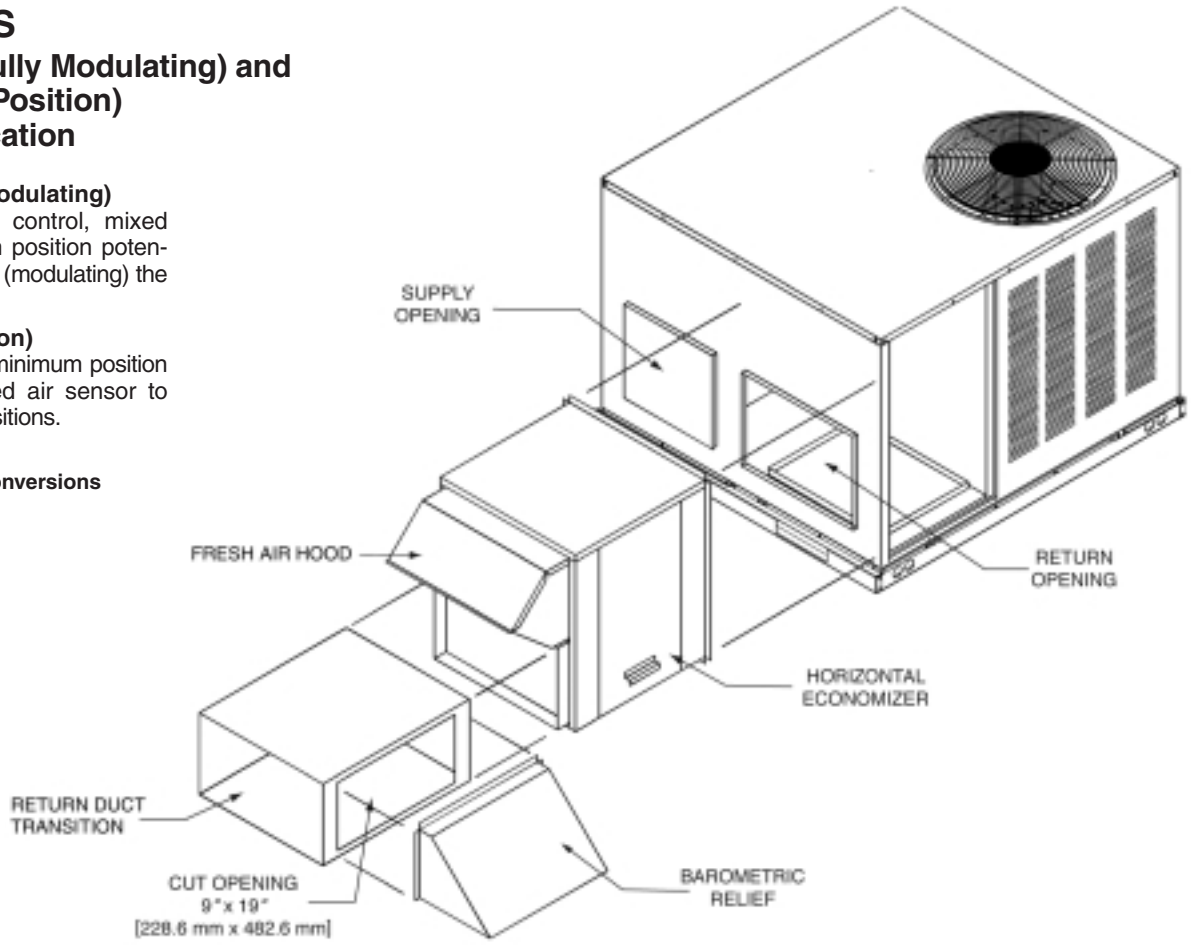
ECONOMIZERS

RXRD-CCM10 (Fully Modulating) and RXRE-CCA30 (3 Position) Horizontal Application

RXRD-CCM10 (Fully Modulating)
Provided with enthalpy control, mixed air sensor and minimum position potentiometer for proportioning (modulating) the amount of fresh air.

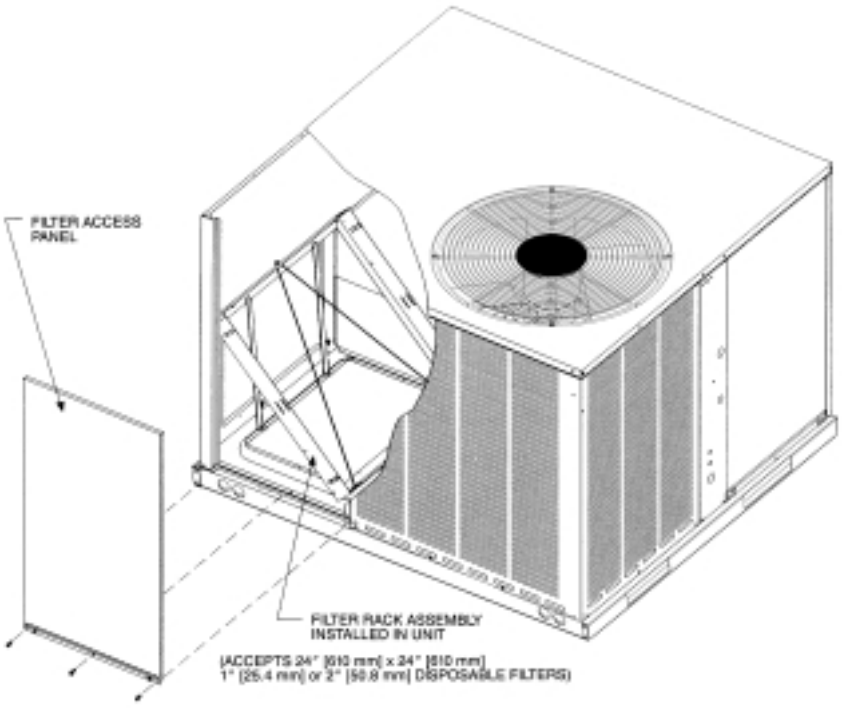
RXRE-CCA30 (3 Position)
Has outdoor air sensor, minimum position potentiometer and mixed air sensor to provide three damper positions.

[ ] Designates Metric Conversions



FILTER KIT INSTALLATION RXRY-01

For use in either vertical or horizontal discharge.



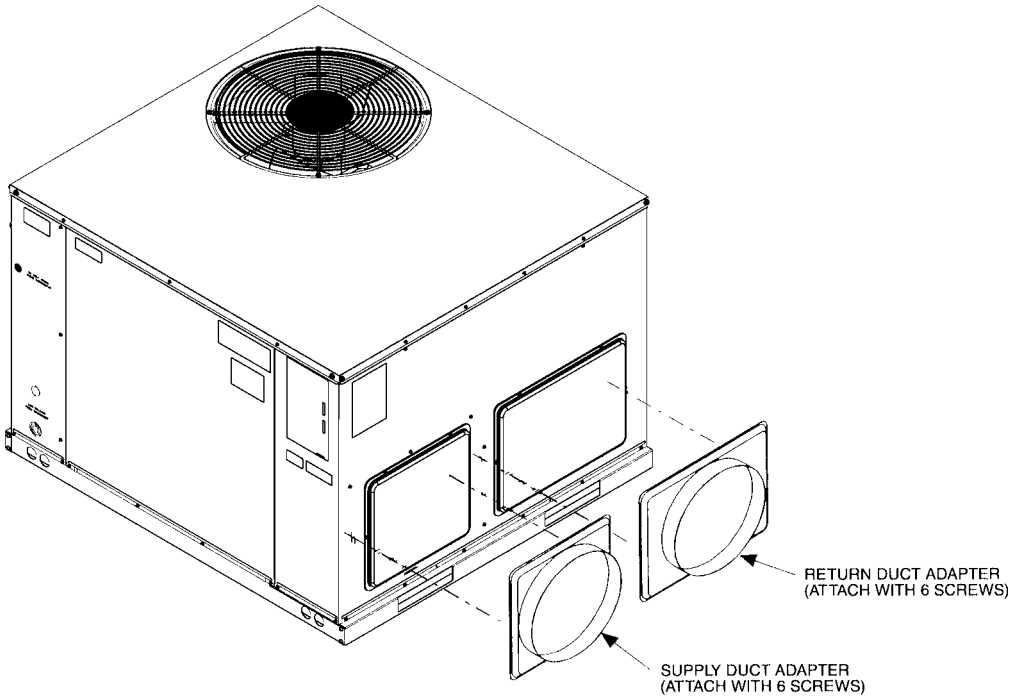
CFM [L/s]		
Minimum Airflow	Nominal Airflow	Maximum Airflow
510 [241]	600 [283]	660 [311]
680 [321]	800 [378]	880 [415]
850 [401]	1000 [472]	1100 [519]
1020 [481]	1200 [566]	1320 [623]
1190 [562]	1400 [661]	1540 [727]
1275 [602]	1500 [708]	1650 [779]
1700 [802]	2000 [944]	2200 [1039]

[ ] Designates Metric Conversions

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]

DUCT ADAPTER SIDEFLOW SQUARE TO ROUND TRANSITION RXMC-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

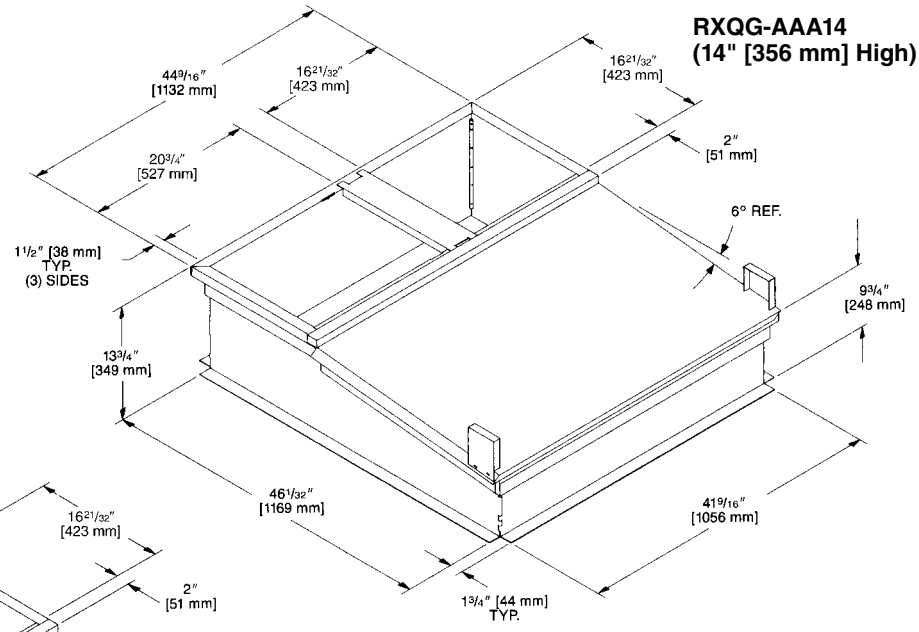
Roofcurb (Sloped)

RXQG-AAA14 & RXQG-AAA24 for TZHC- Series

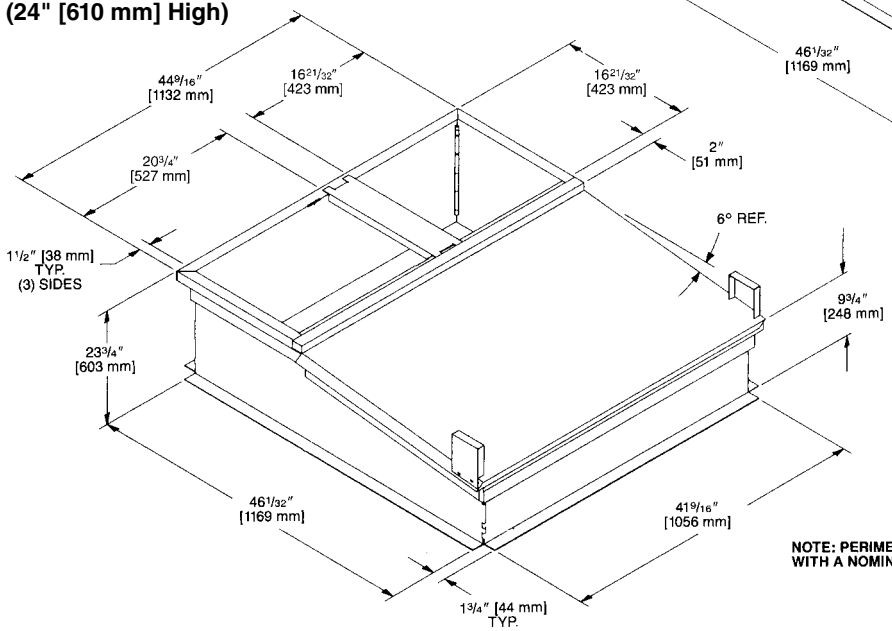
Heat pump models must use sloped curbs.

Hinged corners make for fast, easy set-up.

RXQG-AAA14
(14" [356 mm] High)

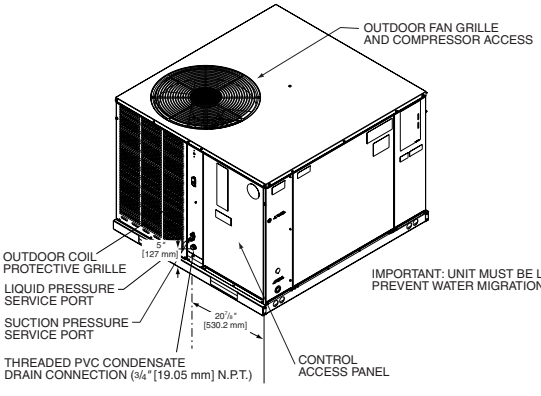


RXQG-AAA24
(24" [610 mm] High)

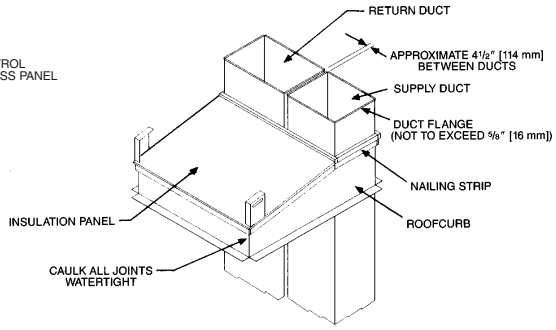


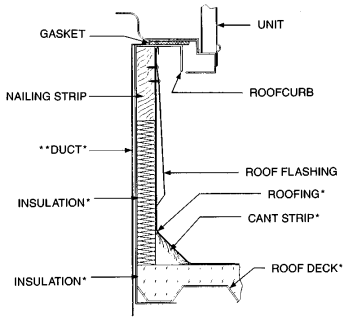
NOTE: PERIMETER OF ROOFCURB IS SUPPLIED WITH A NOMINAL 1" [25.4 mm] x 4" [102 mm] PINE NAILING STRIP.

Packaged Heat Pump Roofcurb Installation (Sloped)



IMPORTANT: UNIT MUST BE LEVEL TO PREVENT WATER MIGRATION



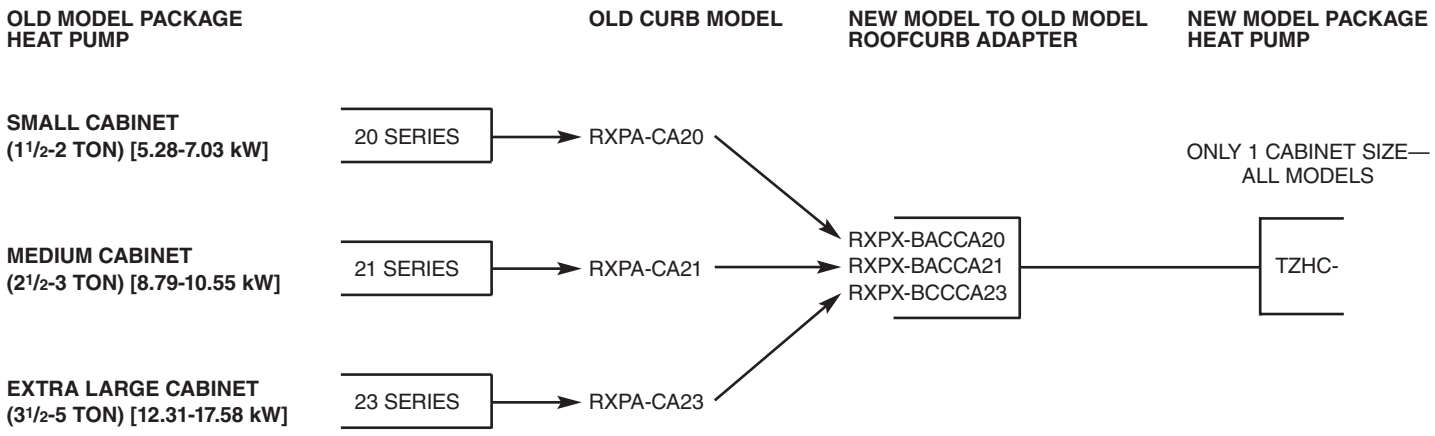


*BY CONTRACTOR
**FOR INSTALLATION OF DUCT AS SHOWN, USE RECOMMENDED DUCT SIZES FROM ROOFCURB INSTALLATION INSTRUCTIONS. FOR DUCT FLANGE ATTACHMENT TO UNIT, SEE UNIT INSTALLATION INSTRUCTIONS FOR RECOMMENDED DUCT SIZES.

[ ] Designates Metric Conversions

ROOFCURB ADAPTERS

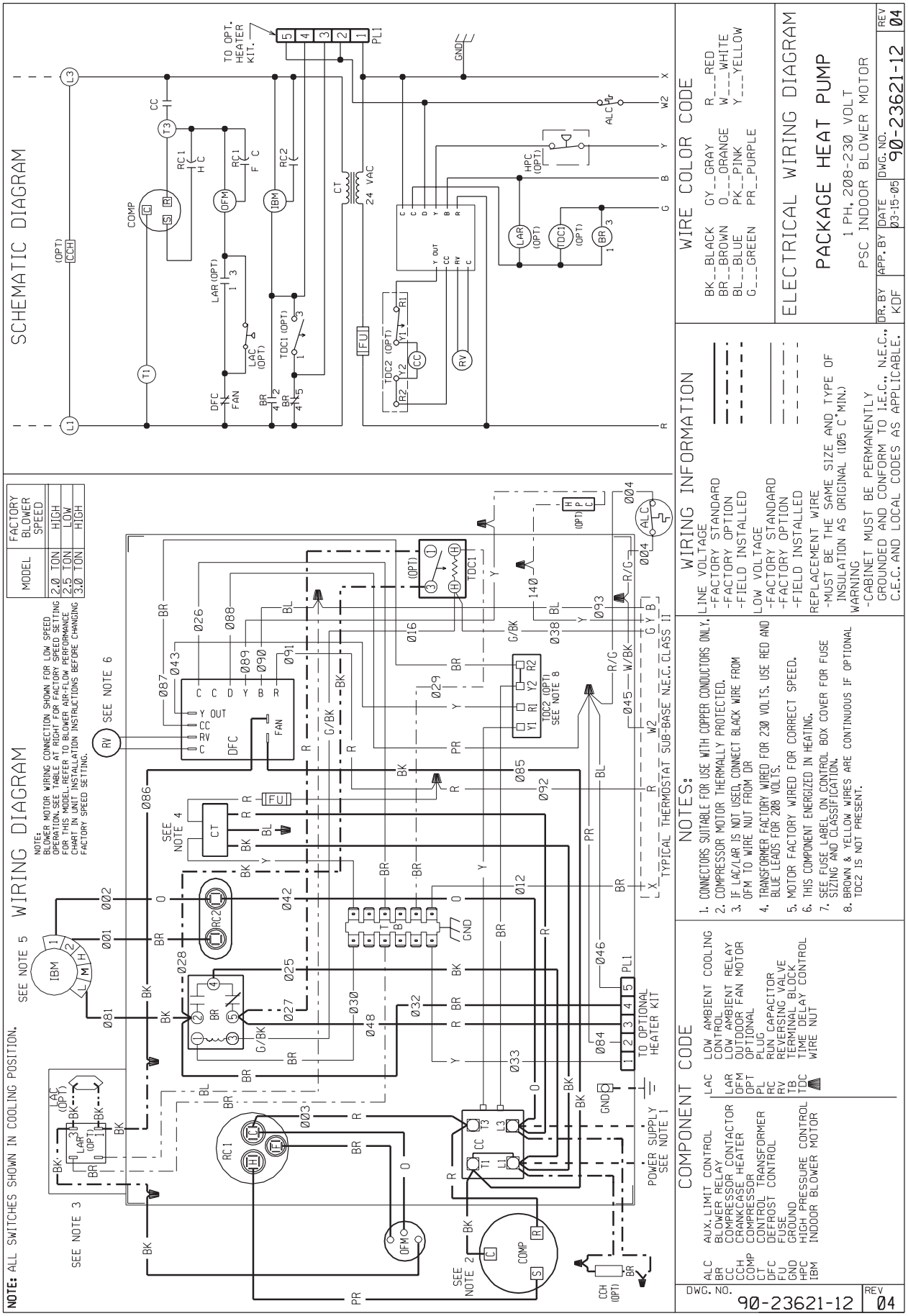
Fabricated from galvanized steel to adapt the New cabinet to the old style curb. All are furnished with a New gasket.

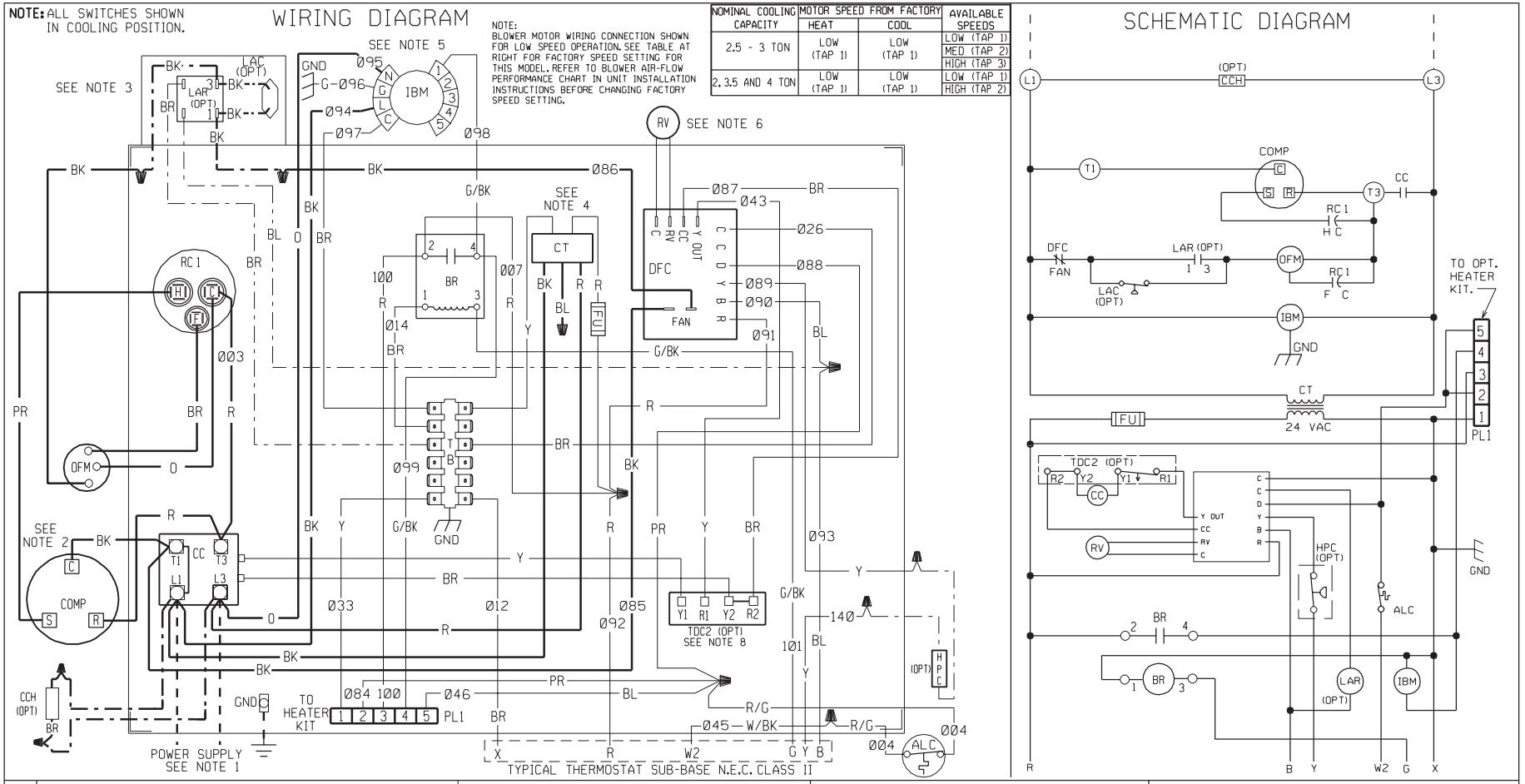


(1) SLOPE TYPE
(2) FULL PERIMETER TYPE

[ ] Designates Metric Conversions

WIRING SCHEMATICS—TZHC- SERIES





COMPONENT CODE

ALC	AUX. LIMIT CONTROL	LAC	LOW AMBIENT COOLING CONTROL
BR	BLOWER RELAY	LAR	LOW AMBIENT RELAY
CC	COMPRESSOR CONTACTOR	OFM	OUTDOOR FAN MOTOR
CCH	CRANKCASE HEATER	OPT	OPTIONAL
COMP	COMPRESSOR	PL	PLUG
CT	CONTROL TRANSFORMER	RC	RUN CAPACITOR
DFC	DEFROST CONTROL	RV	REVERSING VALVE
FU	FUSE	TB	TERMINAL BLOCK
GND	GROUND	TDC	TIME DELAY CONTROL
HPC	HIGH PRESSURE CONTROL		WIRE NUT
IBM	INDOOR BLOWER MOTOR		

NOTES:

1. CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
2. COMPRESSOR MOTOR THERMALLY PROTECTED.
3. IF LAC/LAR IS NOT USED, CONNECT BLACK WIRE FROM OFM TO WIRE NUT FROM DR
4. TRANSFORMER FACTORY WIRED FOR 230 VOLTS. USE RED AND BLUE LEADS FOR 208 VOLTS.
5. MOTOR FACTORY WIRED FOR CORRECT SPEED.
6. THIS COMPONENT ENERGIZED IN HEATING.
7. SEE FUSE LABEL ON CONTROL BOX COVER FOR FUSE SIZING AND CLASSIFICATION.
8. BROWN & YELLOW WIRES ARE CONTINUOUS IF OPTIONAL TDC2 IS NOT PRESENT.

WIRING INFORMATION

LINE VOLTAGE
- FACTORY STANDARD
- FACTORY OPTION
- FIELD INSTALLED

LOW VOLTAGE
- FACTORY STANDARD
- FACTORY OPTION
- FIELD INSTALLED

REPLACEMENT WIRE
- MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (105 C°MIN.)

WARNING
- CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO I.E.C., N.E.C., C.E.C. AND LOCAL CODES AS APPLICABLE.

WIRE COLOR CODE

BK__BLACK	GY__GRAY	R___RED
BR__BROWN	O___ORANGE	W___WHITE
BL__BLUE	PK__PINK	Y___YELLOW
G___GREEN	PR__PURPLE	

ELECTRICAL WIRING DIAGRAM

PACKAGE HEAT PUMP

1 PH, 208-230 VOLT
X-13 INDOOR BLOWER MOTOR

DR. BY	APP. BY	DATE	DWG. NO.	REV
KDF		03-15-05	90-23621-13	06

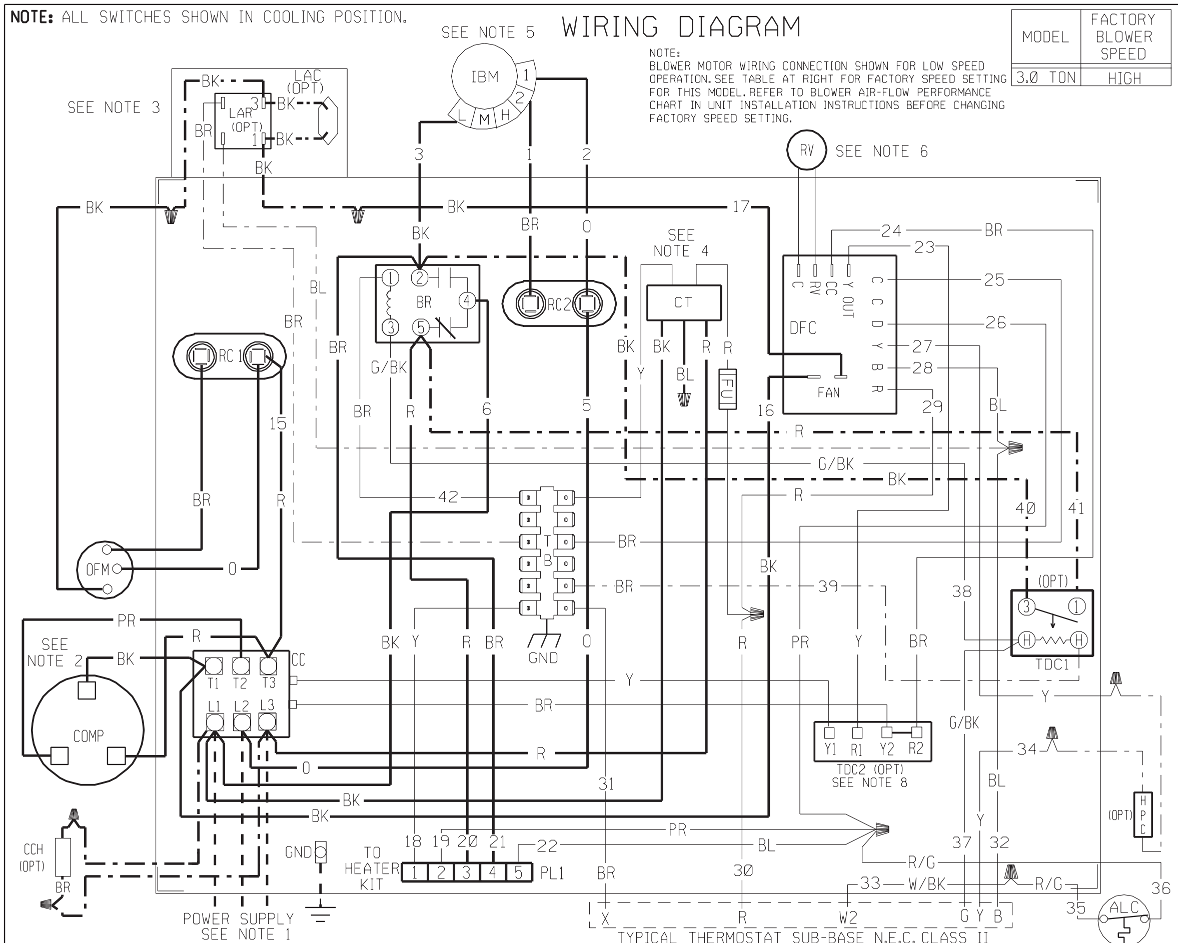
DWG. NO. 90-23621-13 REV 06

NOTE: ALL SWITCHES SHOWN IN COOLING POSITION.

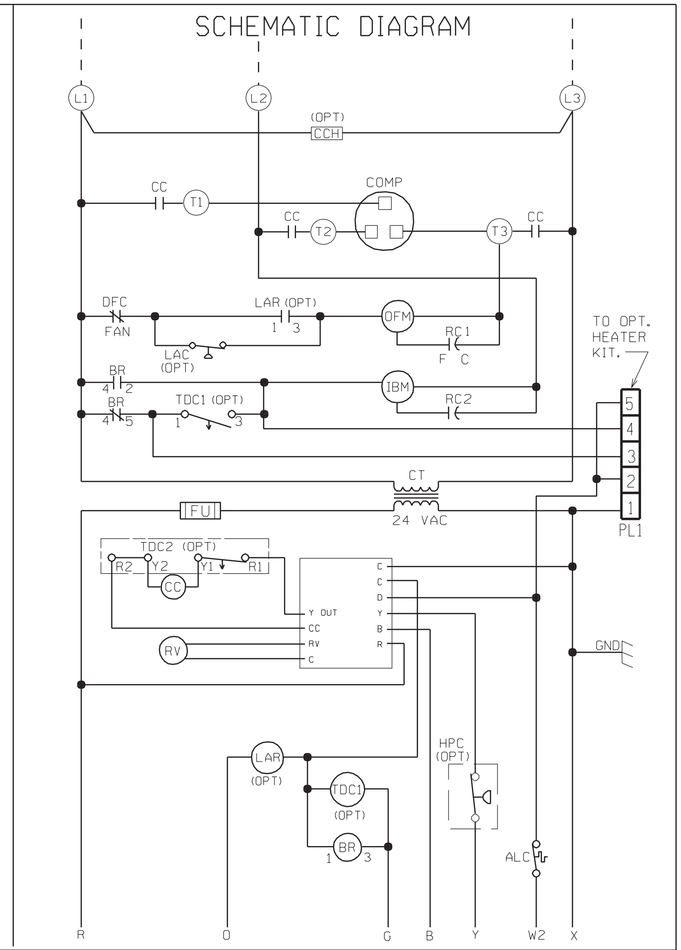
WIRING DIAGRAM

NOTE:
BLOWER MOTOR WIRING CONNECTION SHOWN FOR LOW SPEED OPERATION. SEE TABLE AT RIGHT FOR FACTORY SPEED SETTING FOR THIS MODEL. REFER TO BLOWER AIR-FLOW PERFORMANCE CHART IN UNIT INSTALLATION INSTRUCTIONS BEFORE CHANGING FACTORY SPEED SETTING.

MODEL	FACTORY BLOWER SPEED
3.0 TON	HIGH



SCHEMATIC DIAGRAM



COMPONENT CODE

ALC	AUX. LIMIT CONTROL	LAC	LOW AMBIENT COOLING CONTROL
BR	BLOWER RELAY	LAR	LOW AMBIENT RELAY
CC	COMPRESSOR CONTACTOR	OFM	OUTDOOR FAN MOTOR
CCH	CRANKCASE HEATER	OPT	OPTIONAL
COMP	COMPRESSOR	PL	PLUG
CT	CONTROL TRANSFORMER	RC	RUN CAPACITOR
DFC	DEFROST CONTROL	RV	REVERSING VALVE
FU	FUSE	TB	TERMINAL BLOCK
GND	GROUND	TDC	TIME DELAY CONTROL
HPC	HIGH PRESSURE CONTROL	(symbol)	WIRE NUT
IBM	INDOOR BLOWER MOTOR		

NOTES:

1. CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
2. COMPRESSOR MOTOR THERMALLY PROTECTED.
3. IF LAC/LAR IS NOT USED, CONNECT BLACK WIRE FROM OFM TO WIRE NUT FROM DR
4. TRANSFORMER FACTORY WIRED FOR 230 VOLTS. USE RED AND BLUE LEADS FOR 208 VOLTS.
5. MOTOR FACTORY WIRED FOR CORRECT SPEED.
6. THIS COMPONENT ENERGIZED IN HEATING.
7. SEE FUSE LABEL ON CONTROL BOX COVER FOR FUSE SIZING AND CLASSIFICATION.
8. BROWN & YELLOW WIRES ARE CONTINUOUS IF OPTIONAL TDC2 IS NOT PRESENT.

WIRING INFORMATION

LINE VOLTAGE
- FACTORY STANDARD
- FACTORY OPTION
- FIELD INSTALLED

LOW VOLTAGE
- FACTORY STANDARD
- FACTORY OPTION
- FIELD INSTALLED

REPLACEMENT WIRE
- MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (105 C° MIN.)

WARNING
- CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO I.E.C., N.E.C., C.E.C. AND LOCAL CODES AS APPLICABLE.

WIRE COLOR CODE

BK__BLACK	O___ORANGE
BR__BROWN	PR__PURPLE
BL__BLUE	R___RED
G___GREEN	W___WHITE
GY__GRAY	Y___YELLOW

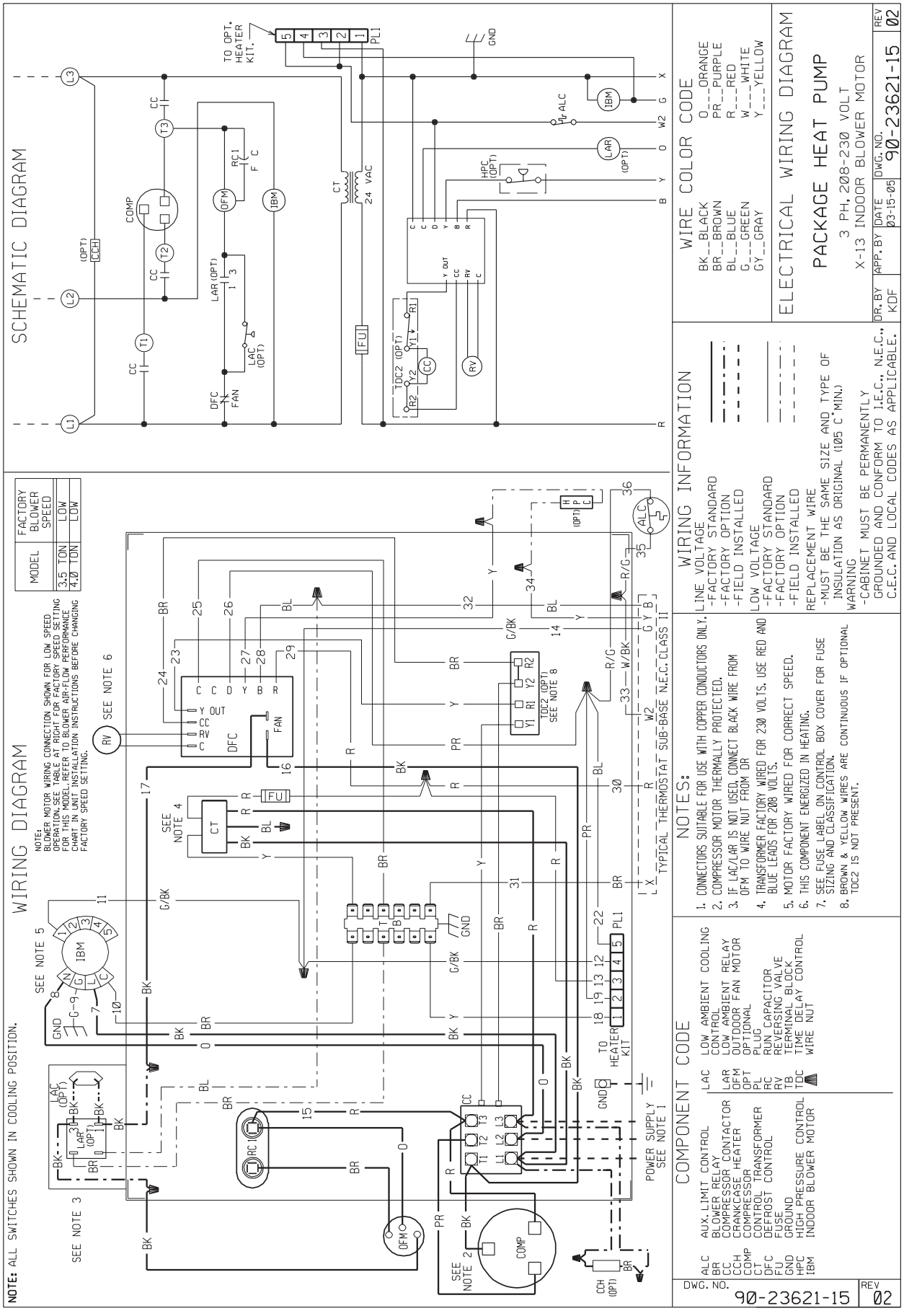
ELECTRICAL WIRING DIAGRAM

PACKAGE HEAT PUMP

3 PH, 208-230 VOLT
PSC INDOOR BLOWER MOTOR

DR. BY	APP. BY	DATE	DWG. NO.	REV
KDF		03-21-05	90-23621-14	03

DWG. NO. 90-23621-14 REV 03


SCHEMATIC DIAGRAM
WIRING DIAGRAM
ELECTRICAL WIRING DIAGRAM
PACKAGE HEAT PUMP
3 PH, 208-230 VOLT
X-13 INDOOR BLOWER MOTOR
90-23621-15
WIRE COLOR CODE
WIRING INFORMATION
NOTES:
COMPONENT CODE
NOTE: BLOWER MOTOR WIRING CONNECTION SHOWN FOR LOW SPEED OPERATION. SEE FACTORY SETTING FOR HIGH SPEED. REFER TO BLOWER AIR FLOW PERFORMANCE CHART IN UNIT INSTALLATION INSTRUCTIONS BEFORE CHANGING FACTORY SPEED SETTING.
MODEL
FACTORY BLOWER SPEED
3.5 TON LOW
4.0 TON LOW
NOTE: ALL SWITCHES SHOWN IN COOLING POSITION.

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.

For Complete Details of the Limited Warranty, Including Applicable Terms and Conditions, See Your Local Installer or Contact the Manufacturer for a Copy.

Electric Heating Elements for Optional
Electric Heating Kits.....Five (5) Years
Compressor.....Five (5) Years
Any Other Part
1-Phase Models.....Five (5) Years
3-Phase Models.....One (1) Year

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."

PRINTED IN U.S.A. 2-08 DC FORM NO. PTZ-764