PACKAGE GAS ELECTRIC UNITS

FORM NO. RTZ-870 REV. 1

TZGE4 14 SEER SERIES
NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

TZGE5 15 SEER SERIES
NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

ISO 9001:2008
Certificate Number: 30164

LISTED

ENERGY STAR
(15 SEER/12 EER AND ABOVE)

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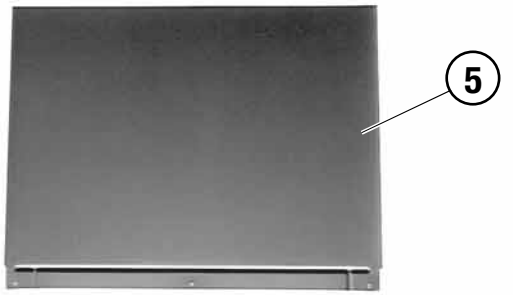
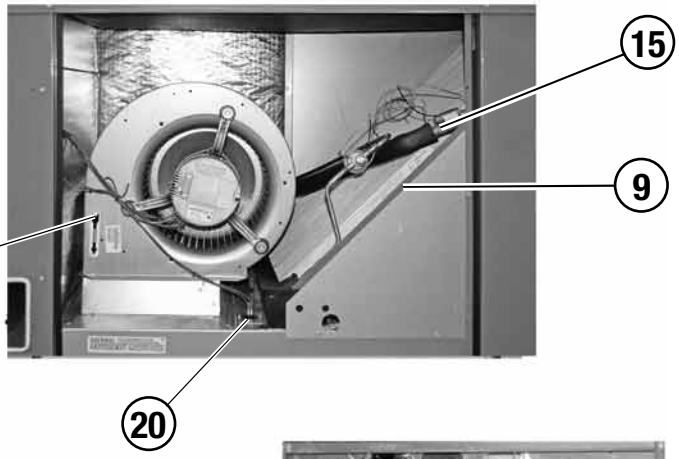
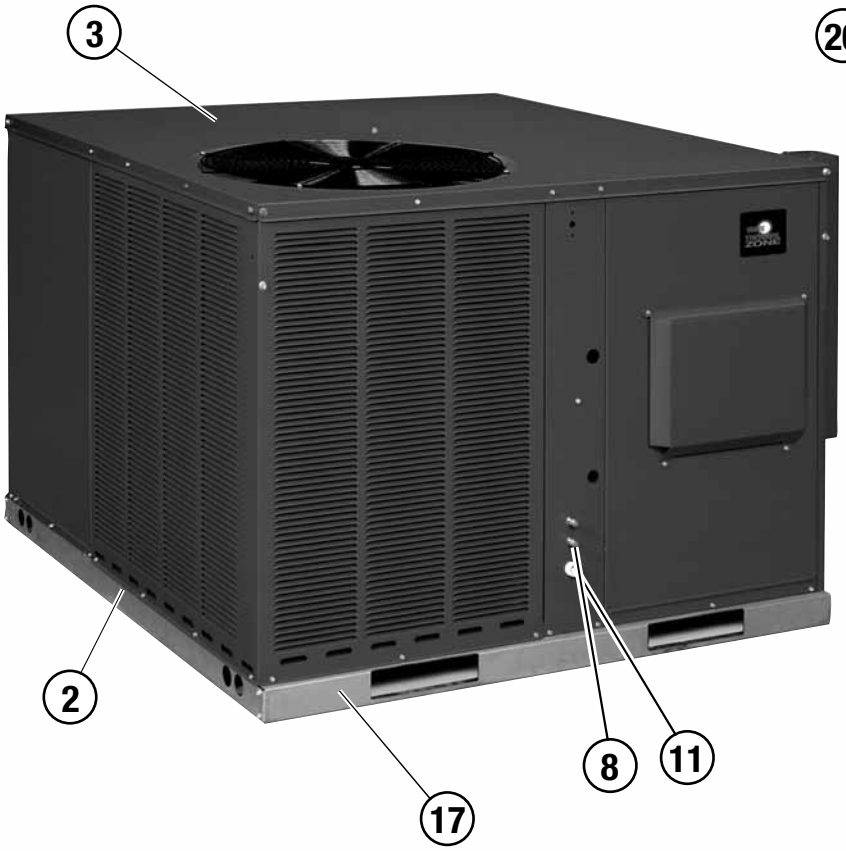
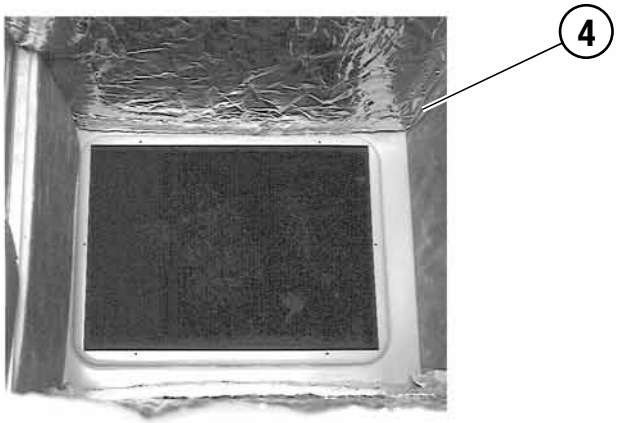
TABLE OF CONTENTS

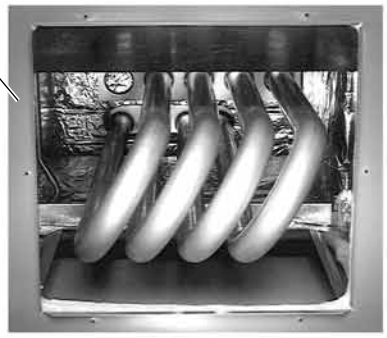
Package Gas Electric Unit Features:











TZGE4/5 Features Below Correspond to Photos on Page 3

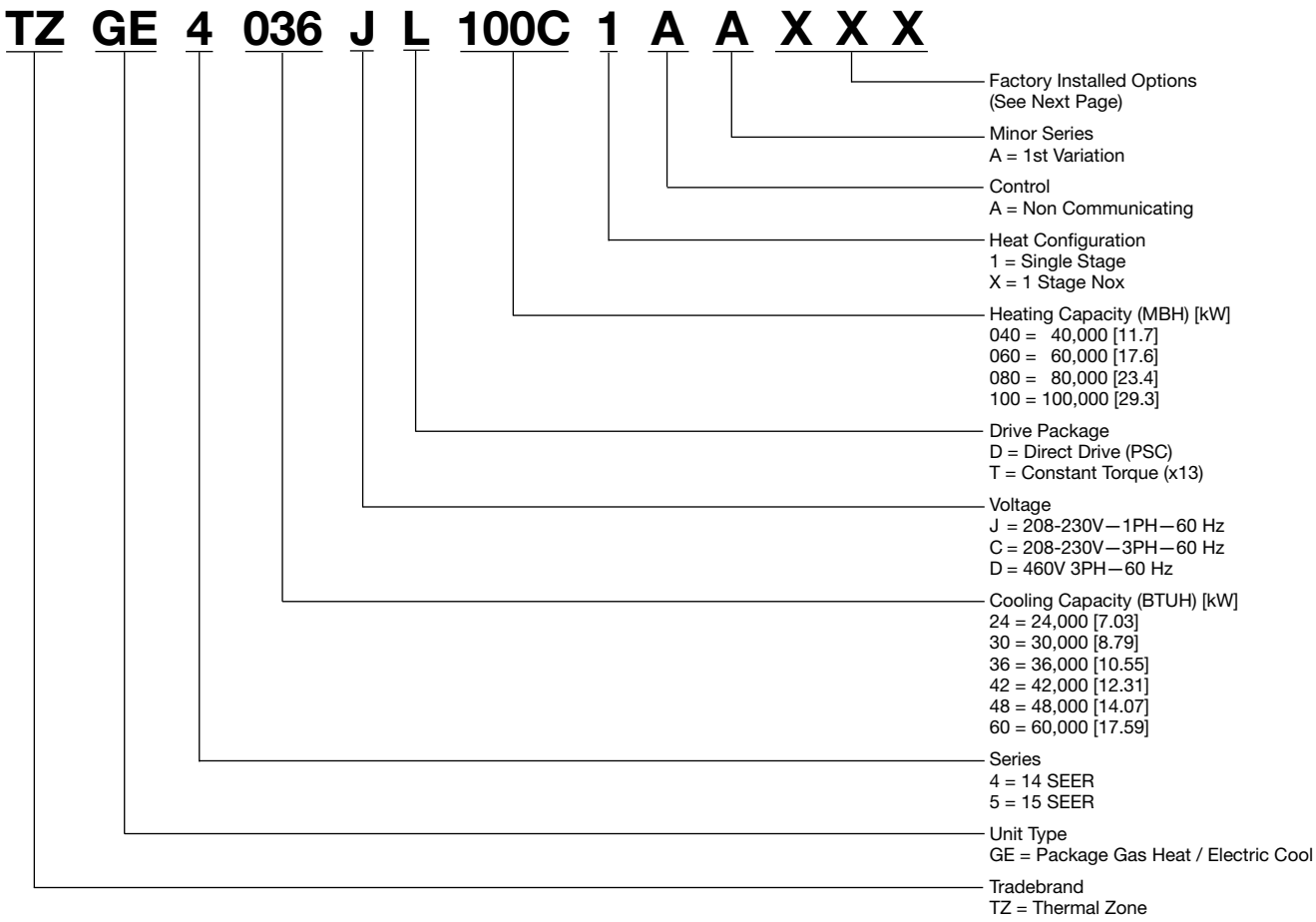
1. All models feature Scroll® compressors for maximum efficiency and quiet operation. 5 Ton TZGE5 models feature UltraTech™ Scroll 2-Stage compressors with Comfort Alert™ diagnostics (see below), high/low pressure switches, and hard start kits.
2. Louvered condenser compartment for protecting the coil 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. All models are shipped ready for horizontal application.
7. Easily accessible blower section complete with slide-out blower.
8. Refrigerant connections are conveniently located for easy service diagnostics.
9. Micro Channel evaporator and condenser delivers superior performance with less refrigerant charge and less weight than conventional copper tube/aluminum fin coils. In addition the all aluminum construction has superior protection against formicary corrosion and aluminum tube rubbing potential. Its easier to clean and has a more robust surface.
10. Inside the easily accessible furnace compartment is the draft inducer motor. This motor is specially designed for quiet reliable operation. In addition to the draft inducer motor, the in-shot gas burners and manifold efficiently regulate the flow of gas for combustion. These new gas/electric units also feature direct-spark ignition and remote flame sensors for added reliability and efficiency.
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.
13. Single point wiring simplifies installation.
14. Our gas/electric package units feature a tubular heat exchanger design. Tubular heat exchangers are more efficient and durable than older-style clamshell heat exchangers. The heat exchanger is backed by a 10 year limited warranty. Models with a stainless steel heat exchanger installed in a residential application are backed by a limited lifetime warranty.
15. Thermal expansion valve standard on all models for superior superheat control, reliability, and energy efficiency at all operating conditions.
16. Filter drier standard on all models (not shown).
17. Rugged baserail included for improved installation and handling
18. Complete factory charged, wired and run tested.
19. Molded compressor plugs.
20. A double sloped evaporator coil drain pan assures all water is removed from the unit to improve indoor air quality.

Comfort Alert™ Diagnostics – Faster Service And Improved Accuracy (2-Stage Models Only)

The Comfort Alert™ diagnostics module is a breakthrough innovation for troubleshooting air conditioning system failures. The module is installed in the control box near the compressor contactor. By monitoring and analyzing data from the Scroll® compressor and the thermostat demand, the module can accurately detect the cause of electrical and system related failures without any sensors. A flashing LED indicator communicates the ALERT code and guides the service technician more quickly and accurately to the root cause of a problem.

NOTE: Single phase module does not provide safety protection! The Comfort Alert module is a monitoring device and cannot control or shut down the compressor unless used with a White Rodgers IF95-CA397 Thermostat.

NOTE: Three phase module provides compressor protection and will shut down the compressor when compressor damaging conditions are detected.



[ ] Designates Metric Conversions

Instructions for Factory Installed Option(s) Selection

Note: Three 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 *three-character* option code from the FACTORY INSTALLED OPTION SELECTION TABLE.

FACTORY INSTALLED OPTION CODES

Option Code	Stainless Steel Heat Exchanger	Tin Plated Hairpin Coil
AJA	x	

"x" indicates factory installed option.

Example: No Option

TZGE14036AJD081AA

Example: Option with Stainless Steel Heat Exchanger

TZGE14036AJD081AAAJA

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

NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model TZGE4 Series	424JL040C	424JL040CX	424JL060C	424JL060CX
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	24,800 [7.27]	24,800 [7.27]	24,800 [7.27]	24,800 [7.27]
EER/SEER[2]	11.6/14	11.6/14	11.6/14	11.6/14
Nominal CFM/AHRI Rated CFM [L/s]	800/900 [378/425]	800/900 [378/425]	800/900 [378/425]	800/900 [378/425]
AHRI Net Cooling Capacity Btu [kW]	24,000 [7.03]	24,000 [7.03]	24,000 [7.03]	24,000 [7.03]
Net Sensible Capacity Btu [kW]	18,000 [5.27]	18,000 [5.27]	18,000 [5.27]	18,000 [5.27]
Net Latent Capacity Btu [kW]	6,000 [1.76]	6,000 [1.76]	6,000 [1.76]	6,000 [1.76]
Net System Power kW	2.07	2.07	2.07	2.07
Heating Performance (Gas)[3]				
Heating Input Btu [kW]	40,000 [11.72]	40,000 [11.72]	60,000 [17.58]	60,000 [17.58]
Heating Output Btu [kW]	32,000 [9.38]	32,000 [9.38]	48,000 [14.06]	48,000 [14.06]
Temperature Rise Range °F [°C]	25-55 [13.9-30.6]	25-55 [13.9-30.6]	40-70 [22.2-38.9]	40-70 [22.2-38.9]
AFUE %[4]	81	81	81	81
Steady State Efficiency (%)	82.35	82.35	81.19	81.19
No. Burners	2	2	2	2
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)[5]	76	76	76	76
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	0.71 [18]	0.71 [18]	0.71 [18]	0.71 [18]
Face Area sq. ft. [sq. m]	7.1 [0.66]	7.1 [0.66]	7.1 [0.66]	7.1 [0.66]
Rows / FPI [FPcm]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1 [25.4]	1 [25.4]	1 [25.4]	1 [25.4]
Face Area sq. ft. [sq. m]	3.6 [0.33]	3.6 [0.33]	3.6 [0.33]	3.6 [0.33]
Rows / FPI [FPcm]	1 / 17 [7]	1 / 17 [7]	1 / 17 [7]	1 / 17 [7]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
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]	2500 [1180]	2500 [1180]	2500 [1180]	2500 [1180]
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]	1/9x7 [229x178]	1/9x7 [229x178]	1/9x7 [229x178]	1/9x7 [229x178]
Drive Type	Direct	Direct	Direct	Direct
No. Speeds	Multiple	Multiple	Multiple	Multiple
No. Motors	1	1	1	1
Motor HP	1/4	1/4	1/4	1/4
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 x mm x mm]	(1)1x20x20 [25x508x508]	(1)1x20x20 [25x508x508]	(1)1x20x20 [25x508x508]	(1)1x20x20 [25x508x508]
Refrigerant Charge Oz. [g]	42.7 [1211]	42.7 [1211]	42.7 [1211]	42.7 [1211]
Weights				
Net Weight lbs. [kg]	398 [181]	398 [181]	403 [183]	403 [183]
Ship Weight lbs. [kg]	408 [185]	408 [185]	413 [187]	413 [187]

See Page 21 for Notes.

[ ] Designates Metric Conversions

NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model TZGE4 Series	430JL060C	430JL060CX	430JL080C	430JL080CX
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	29,600 [8.67]	29,600 [8.67]	29,600 [8.67]	29,600 [8.67]
EER/SEER[2]	12/14	12/14	12/14	12/14
Nominal CFM/AHRI Rated CFM [L/s]	1000/1000 [472/472]	1000/1000 [472/472]	1000/1000 [472/472]	1000/1000 [472/472]
AHRI Net Cooling Capacity Btu [kW]	28,400 [8.32]	28,400 [8.32]	28,400 [8.32]	28,400 [8.32]
Net Sensible Capacity Btu [kW]	21,200 [6.21]	21,200 [6.21]	21,200 [6.21]	21,200 [6.21]
Net Latent Capacity Btu [kW]	7,200 [2.11]	7,200 [2.11]	7,200 [2.11]	7,200 [2.11]
Net System Power kW	2.37	2.37	2.37	2.37
Heating Performance (Gas)[3]				
Heating Input Btu [kW]	60,000 [17.58]	60,000 [17.58]	80,000 [23.44]	80,000 [23.44]
Heating Output Btu [kW]	48,000 [14.06]	48,000 [14.06]	64,000 [18.75]	64,000 [18.75]
Temperature Rise Range °F [°C]	35-65 [19.4-36.1]	35-65 [19.4-36.1]	35-65 [19.4-36.1]	35-65 [19.4-36.1]
AFUE %[4]	81	81	81	81
Steady State Efficiency (%)	81.19	81.19	81.61	81.61
No. Burners	3	3	3	3
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)[5]	76	76	76	76
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	0.71 [18]	0.71 [18]	0.71 [18]	0.71 [18]
Face Area sq. ft. [sq. m]	9.9 [0.92]	9.9 [0.92]	9.9 [0.92]	9.9 [0.92]
Rows / FPI [FPcm]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1 [25.4]	1 [25.4]	1 [25.4]	1 [25.4]
Face Area sq. ft. [sq. m]	3.6 [0.33]	3.6 [0.33]	3.6 [0.33]	3.6 [0.33]
Rows / FPI [FPcm]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
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]	2500 [1180]	2500 [1180]	2500 [1180]	2500 [1180]
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 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]
Drive Type	Direct	Direct	Direct	Direct
No. Speeds	Multiple	Multiple	Multiple	Multiple
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
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 x mm x mm]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]	46.8 [1327]	46.8 [1327]	46.8 [1327]	46.8 [1327]
Weights				
Net Weight lbs. [kg]	403 [183]	403 [183]	408 [185]	408 [185]
Ship Weight lbs. [kg]	413 [187]	413 [187]	418 [190]	418 [190]

See Page 21 for Notes.

[ ] Designates Metric Conversions

NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model TZGE4 Series	436CL060C	436CL080C	436CL100BC	436JL060C
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	35,400 [10.37]	35,400 [10.37]	35,400 [10.37]	35,400 [10.37]
EER/SEER[2]	11.8/14	11.8/14	11.8/14	11.8/14
Nominal CFM/AHRI Rated CFM [L/s]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]
AHRI Net Cooling Capacity Btu [kW]	34,000 [9.96]	34,000 [9.96]	34,000 [9.96]	34,000 [9.96]
Net Sensible Capacity Btu [kW]	24,200 [7.09]	24,200 [7.09]	24,200 [7.09]	24,200 [7.09]
Net Latent Capacity Btu [kW]	9,800 [2.87]	9,800 [2.87]	9,800 [2.87]	9,800 [2.87]
Net System Power kW	2.89	2.89	2.89	2.89
Heating Performance (Gas)[3]				
Heating Input Btu [kW]	60,000 [17.58]	80,000 [23.44]	100,000 [29.3]	60,000 [17.58]
Heating Output Btu [kW]	48,600 [14.24]	64,800 [18.99]	81,000 [23.73]	48,000 [14.06]
Temperature Rise Range °F [°C]	30-60 [16.7-33.3]	30-60 [16.7-33.3]	40-70 [22.2-38.9]	30-60 [16.7-33.3]
AFUE %[4]	81	81	81	81
Steady State Efficiency (%)	81.19	81.71	81.79	81.19
No. Burners	3	3	3	3
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)[5]	76	76	76	76
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	0.71 [18]	0.71 [18]	0.71 [18]	0.71 [18]
Face Area sq. ft. [sq. m]	9.8 [0.91]	9.8 [0.91]	9.8 [0.91]	9.8 [0.91]
Rows / FPI [FPcm]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1 [25.4]	1 [25.4]	1 [25.4]	1 [25.4]
Face Area sq. ft. [sq. m]	3.6 [0.33]	3.6 [0.33]	3.6 [0.33]	3.6 [0.33]
Rows / FPI [FPcm]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]	1 / 17 [7]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
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 1/3 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]	1/12x9 [305x229]	1/12x9 [305x229]	1/12x9 [305x229]	1/12x9 [305x229]
Drive Type	Direct	Direct	Direct	Direct
No. Speeds	Multiple	Multiple	Multiple	Multiple
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
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 x mm x mm]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]	52.7 [1494]	52.7 [1494]	52.7 [1494]	52.7 [1494]
Weights				
Net Weight lbs. [kg]	411 [186]	416 [189]	421 [191]	411 [186]
Ship Weight lbs. [kg]	421 [191]	426 [193]	431 [196]	421 [191]

See Page 21 for Notes.

[ ] Designates Metric Conversions

NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model TZGE4 Series	436JL060CX	436JL080C	436JL080CX	436JL100C
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	35,400 [10.37]	35,400 [10.37]	35,400 [10.37]	35,400 [10.37]
EER/SEER[2]	11.8/14	11.8/14	11.8/14	11.8/14
Nominal CFM/AHRI Rated CFM [L/s]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]
AHRI Net Cooling Capacity Btu [kW]	34,000 [9.96]	34,000 [9.96]	34,000 [9.96]	34,000 [9.96]
Net Sensible Capacity Btu [kW]	24,200 [7.09]	24,200 [7.09]	24,200 [7.09]	24,200 [7.09]
Net Latent Capacity Btu [kW]	9,800 [2.87]	9,800 [2.87]	9,800 [2.87]	9,800 [2.87]
Net System Power kW	2.89	2.89	2.89	2.89
Heating Performance (Gas)[3]				
Heating Input Btu [kW]	60,000 [17.58]	80,000 [23.44]	80,000 [23.44]	100,000 [29.3]
Heating Output Btu [kW]	48,000 [14.06]	64,000 [18.75]	64,000 [18.75]	80,000 [23.44]
Temperature Rise Range °F [°C]	30-60 [16.7-33.3]	30-60 [16.7-33.3]	30-60 [16.7-33.3]	40-70 [22.2-38.9]
AFUE %[4]	81	81	81	81
Steady State Efficiency (%)	81.19	81.71	81.71	81.79
No. Burners	3	3	3	3
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)[5]	76	76	76	76
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	0.71 [18]	0.71 [18]	0.71 [18]	0.71 [18]
Face Area sq. ft. [sq. m]	9.8 [0.91]	9.8 [0.91]	9.8 [0.91]	9.8 [0.91]
Rows / FPI [FPcm]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1 [25.4]	1 [25.4]	1 [25.4]	1 [25.4]
Face Area sq. ft. [sq. m]	3.6 [0.33]	3.6 [0.33]	3.6 [0.33]	3.6 [0.33]
Rows / FPI [FPcm]	1 / 17 [7]	1 / 17 [7]	1 / 17 [7]	1 / 17 [7]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
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 1/3 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]	1/12x9 [305x229]	1/12x9 [305x229]	1/12x9 [305x229]	1/12x9 [305x229]
Drive Type	Direct	Direct	Direct	Direct
No. Speeds	Multiple	Multiple	Multiple	Multiple
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
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 x mm x mm]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]	52.7 [1494]	52.7 [1494]	52.7 [1494]	52.7 [1494]
Weights				
Net Weight lbs. [kg]	411 [186]	416 [189]	416 [189]	421 [191]
Ship Weight lbs. [kg]	421 [191]	426 [193]	426 [193]	431 [196]

See Page 21 for Notes.

[ ] Designates Metric Conversions

NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model TZGE4 Series	436JL100CX	442CL100C	442JL100C	442JL100CX
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	35,400 [10.37]	41,000 [12.01]	41,000 [12.01]	41,000 [12.01]
EER/SEER[2]	11.8/14	12/14	12/14	1
Nominal CFM/AHRI Rated CFM [L/s]	1200/1200 [566/566]	1400/1300 [661/613]	1400/1300 [661/613]	1400/1300 [661/613]
AHRI Net Cooling Capacity Btu [kW]	34,000 [9.96]	40,000 [11.72]	40,000 [11.72]	40,000 [11.72]
Net Sensible Capacity Btu [kW]	24,200 [7.09]	29,000 [8.5]	29,000 [8.5]	29,000 [8.5]
Net Latent Capacity Btu [kW]	9,800 [2.87]	11,000 [3.22]	11,000 [3.22]	11,000 [3.22]
Net System Power kW	2.89	3.27	3.27	3.27
Heating Performance (Gas)[3]				
Heating Input Btu [kW]	100,000 [29.3]	100,000 [29.3]	100,000 [29.3]	100,000 [29.3]
Heating Output Btu [kW]	80,000 [23.44]	81,000 [23.73]	80,000 [23.44]	80,000 [23.44]
Temperature Rise Range °F [°C]	40-70 [22.2-38.9]	45-75 [25-41.7]	45-75 [25-41.7]	45-75 [25-41.7]
AFUE %[4]	81	81	81	81
Steady State Efficiency (%)	81.79	81.79	81.79	81.79
No. Burners	3	4	4	4
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)[5]	76	76	76	76
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	0.71 [18]	0.71 [18]	0.71 [18]	0.71 [18]
Face Area sq. ft. [sq. m]	9.8 [0.91]	14.1 [1.31]	14.1 [1.31]	14.1 [1.31]
Rows / FPI [FPcm]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1 [25.4]	1 [25.4]	1 [25.4]	1 [25.4]
Face Area sq. ft. [sq. m]	3.6 [0.33]	3.6 [0.33]	3.6 [0.33]	3.6 [0.33]
Rows / FPI [FPcm]	1 / 17 [7]	1 / 17 [7]	1 / 17 [7]	1 / 17 [7]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
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]	3500 [1652]	3500 [1652]	3500 [1652]
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]	1/12x9 [305x229]	1/12x9 [305x229]	1/12x9 [305x229]	1/12x9 [305x229]
Drive Type	Direct	Direct	Direct	Direct
No. Speeds	Multiple	Multiple	Multiple	Multiple
No. Motors	1	1	1	1
Motor HP	1/2	3/4	3/4	3/4
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 x mm x mm]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]	52.7 [1494]	53.6 [1520]	53.6 [1520]	53.6 [1520]
Weights				
Net Weight lbs. [kg]	421 [191]	446 [202]	446 [202]	446 [202]
Ship Weight lbs. [kg]	431 [196]	456 [207]	456 [207]	456 [207]

See Page 21 for Notes.

[ ] Designates Metric Conversions

NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model TZGE4 Series	448CL100C	448JL100C	448JL100CX	460CL100C
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	47,500 [13.92]	47,500 [13.92]	47,500 [13.92]	59,000 [17.29]
EER/SEER[2]	11.7/14	11.7/14	11.7/14	11.6/14
Nominal CFM/AHRI Rated CFM [L/s]	1600/1550 [755/731]	1600/1550 [755/731]	1600/1550 [755/731]	2000/1700 [944/802]
AHRI Net Cooling Capacity Btu [kW]	46,000 [13.48]	46,000 [13.48]	46,000 [13.48]	57,000 [16.7]
Net Sensible Capacity Btu [kW]	32,500 [9.52]	32,500 [9.52]	32,500 [9.52]	39,500 [11.57]
Net Latent Capacity Btu [kW]	13,500 [3.96]	13,500 [3.96]	13,500 [3.96]	17,500 [5.13]
Net System Power kW	3.89	3.89	3.89	4.94
Heating Performance (Gas)[3]				
Heating Input Btu [kW]	100,000 [29.3]	100,000 [29.3]	100,000 [29.3]	100,000 [29.3]
Heating Output Btu [kW]	81,000 [23.73]	80,000 [23.44]	80,000 [23.44]	81,000 [23.73]
Temperature Rise Range °F [°C]	45-75 [25-41.7]	45-75 [25-41.7]	45-75 [25-41.7]	45-75 [25-41.7]
AFUE %[4]	81	81	81	81
Steady State Efficiency (%)	81.9	81.9	81.9	82.01
No. Burners	4	4	4	5
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)[5]	78	78	78	79
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	0.71 [18]	0.71 [18]	0.71 [18]	1 [25.4]
Face Area sq. ft. [sq. m]	16.3 [1.51]	16.3 [1.51]	16.3 [1.51]	15.3 [1.42]
Rows / FPI [FPcm]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1 [25.4]	1 [25.4]	1 [25.4]	1.26 [32]
Face Area sq. ft. [sq. m]	4.1 [0.38]	4.1 [0.38]	4.1 [0.38]	4 [0.37]
Rows / FPI [FPcm]	1 / 20 [8]	1 / 20 [8]	1 / 20 [8]	1 / 20 [8]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
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]	3300 [1557]	3400 [1604]
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]	1/12x9 [305x229]	1/12x9 [305x229]	1/12x9 [305x229]	1/12x9 [305x229]
Drive Type	Direct	Direct	Direct	Direct
No. Speeds	Multiple	Multiple	Multiple	Multiple
No. Motors	1	1	1	1
Motor HP	3/4	3/4	3/4	1
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 x mm x mm]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x30 [25x610x762]
Refrigerant Charge Oz. [g]	69.3 [1965]	69.3 [1965]	69.3 [1965]	83.1 [2356]
Weights				
Net Weight lbs. [kg]	482 [219]	482 [219]	482 [219]	512 [232]
Ship Weight lbs. [kg]	492 [223]	492 [223]	492 [223]	522 [237]

See Page 21 for Notes.

[ ] Designates Metric Conversions

NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model TZGE4 Series	460JL100C	460JL100CX
Cooling Performance[1]		
Gross Cooling Capacity Btu [kW]	59,000 [17.29]	59,000 [17.29]
EER/SEER[2]	11.6/14	11.6/14
Nominal CFM/AHRI Rated CFM [L/s]	2000/1700 [944/802]	2000/1700 [944/802]
AHRI Net Cooling Capacity Btu [kW]	57,000 [16.7]	57,000 [16.7]
Net Sensible Capacity Btu [kW]	39,500 [11.57]	39,500 [11.57]
Net Latent Capacity Btu [kW]	17,500 [5.13]	17,500 [5.13]
Net System Power kW	4.94	4.94
Heating Performance (Gas)[3]		
Heating Input Btu [kW]	100,000 [29.3]	100,000 [29.3]
Heating Output Btu [kW]	80,000 [23.44]	80,000 [23.44]
Temperature Rise Range °F [°C]	45-75 [25-41.7]	45-75 [25-41.7]
AFUE %[4]	81	81
Steady State Efficiency (%)	82.01	82.01
No. Burners	5	5
No. Stages	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]
Compressor		
No./Type	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)[5]	79	79
Outdoor Coil—Fin Type	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1 [25.4]	1 [25.4]
Face Area sq. ft. [sq. m]	15.3 [1.42]	15.3 [1.42]
Rows / FPI [FPcm]	1 / 23 [9]	1 / 23 [9]
Indoor Coil—Fin Type	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1.26 [32]	1.26 [32]
Face Area sq. ft. [sq. m]	4 [0.37]	4 [0.37]
Rows / FPI [FPcm]	1 / 20 [8]	1 / 20 [8]
Refrigerant Control	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]
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]	3400 [1604]	3400 [1604]
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]	1/12x9 [305x229]	1/12x9 [305x229]
Drive Type	Direct	Direct
No. Speeds	Multiple	Multiple
No. Motors	1	1
Motor HP	1	1
Motor RPM	1075	1075
Motor Frame Size	48	48
Filter—Type	Field Supplied	Field Supplied
Furnished	No	No
(NO.) Size Recommended in. [mm x mm x mm]	(1)1x24x30 [25x610x762]	(1)1x24x30 [25x610x762]
Refrigerant Charge Oz. [g]	83.1 [2356]	83.1 [2356]
Weights		
Net Weight lbs. [kg]	512 [232]	512 [232]
Ship Weight lbs. [kg]	522 [237]	522 [237]

See Page 21 for Notes.

[ ] Designates Metric Conversions

NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model TZGE5 Series	524JL060C	524JL060CX	524JL080C	524JL080CX
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	24,600 [7.21]	24,600 [7.21]	24,600 [7.21]	24,600 [7.21]
EER/SEER[2]	12/15	12/15	12/15	12/15
Nominal CFM/AHRI Rated CFM [L/s]	800/900 [378/425]	800/900 [378/425]	800/900 [378/425]	800/900 [378/425]
AHRI Net Cooling Capacity Btu [kW]	24,000 [7.03]	24,000 [7.03]	24,000 [7.03]	24,000 [7.03]
Net Sensible Capacity Btu [kW]	18,100 [5.3]	18,100 [5.3]	18,100 [5.3]	18,100 [5.3]
Net Latent Capacity Btu [kW]	5,900 [1.73]	5,900 [1.73]	5,900 [1.73]	5,900 [1.73]
Net System Power kW	2.03	2.03	2.03	2.03
Heating Performance (Gas)[3]				
Heating Input Btu [kW]	60,000 [17.58]	60,000 [17.58]	80,000 [23.44]	80,000 [23.44]
Heating Output Btu [kW]	48,000 [14.06]	48,000 [14.06]	64,000 [18.75]	64,000 [18.75]
Temperature Rise Range °F [°C]	40-70 [22.2-38.9]	40-70 [22.2-38.9]	35-65 [19.4-36.1]	35-65 [19.4-36.1]
AFUE %[4]	81	81	81	81
Steady State Efficiency (%)	81.19	81.19	81.61	81.61
No. Burners	2	2	2	2
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)[5]	76	76	76	76
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	0.71 [18]	0.71 [18]	0.71 [18]	0.71 [18]
Face Area sq. ft. [sq. m]	7.1 [0.66]	7.1 [0.66]	7.1 [0.66]	7.1 [0.66]
Rows / FPI [FPcm]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1 [25.4]	1 [25.4]	1 [25.4]	1 [25.4]
Face Area sq. ft. [sq. m]	3.6 [0.33]	3.6 [0.33]	3.6 [0.33]	3.6 [0.33]
Rows / FPI [FPcm]	1 / 17 [7]	1 / 17 [7]	1 / 17 [7]	1 / 17 [7]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
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]	2500 [1180]	2500 [1180]	2500 [1180]	2500 [1180]
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]	1/12x7 [305x178]	1/12x7 [305x178]	1/12x7 [305x178]	1/12x7 [305x178]
Drive Type	Direct	Direct	Direct	Direct
No. Speeds	Multiple	Multiple	Multiple	Multiple
No. Motors	1	1	1	1
Motor HP	1/3	1/3	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 x mm x mm]	(1)1x20x20 [25x508x508]	(1)1x20x20 [25x508x508]	(1)1x20x20 [25x508x508]	(1)1x20x20 [25x508x508]
Refrigerant Charge Oz. [g]	42.6 [1208]	42.6 [1208]	42.6 [1208]	42.6 [1208]
Weights				
Net Weight lbs. [kg]	403 [183]	403 [183]	408 [185]	408 [185]
Ship Weight lbs. [kg]	413 [187]	413 [187]	418 [190]	418 [190]

See Page 21 for Notes.

[ ] Designates Metric Conversions

NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model TZGE5 Series	530JL060C	530JL060CX	530JL080C	530JL080CX
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	29,600 [8.67]	29,600 [8.67]	29,600 [8.67]	29,600 [8.67]
EER/SEER[2]	12/15	12/15	12/15	12/15
Nominal CFM/AHRI Rated CFM [L/s]	1000/975 [472/460]	1000/975 [472/460]	1000/975 [472/460]	1000/975 [472/460]
AHRI Net Cooling Capacity Btu [kW]	29,000 [8.5]	29,000 [8.5]	29,000 [8.5]	29,000 [8.5]
Net Sensible Capacity Btu [kW]	21,500 [6.3]	21,500 [6.3]	21,500 [6.3]	21,500 [6.3]
Net Latent Capacity Btu [kW]	7,500 [2.2]	7,500 [2.2]	7,500 [2.2]	7,500 [2.2]
Net System Power kW	2.21	2.21	2.21	2.21
Heating Performance (Gas)[3]				
Heating Input Btu [kW]	60,000 [17.58]	60,000 [17.58]	80,000 [23.44]	80,000 [23.44]
Heating Output Btu [kW]	48,000 [14.06]	48,000 [14.06]	64,000 [18.75]	64,000 [18.75]
Temperature Rise Range °F [°C]	40-70 [22.2-38.9]	40-70 [22.2-38.9]	35-65 [19.4-36.1]	35-65 [19.4-36.1]
AFUE %[4]	81	81	81	81
Steady State Efficiency (%)	81.19	81.19	81.61	81.61
No. Burners	3	3	3	3
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)[5]	76	76	76	76
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	0.71 [18]	0.71 [18]	0.71 [18]	0.71 [18]
Face Area sq. ft. [sq. m]	9.9 [0.92]	9.9 [0.92]	9.9 [0.92]	9.9 [0.92]
Rows / FPI [FPcm]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1 [25.4]	1 [25.4]	1 [25.4]	1 [25.4]
Face Area sq. ft. [sq. m]	3.6 [0.33]	3.6 [0.33]	3.6 [0.33]	3.6 [0.33]
Rows / FPI [FPcm]	1 / 17 [7]	1 / 17 [7]	1 / 17 [7]	1 / 17 [7]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
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]	2500 [1180]	2500 [1180]	2500 [1180]	2500 [1180]
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 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]	1/10x9 [254x229]
Drive Type	Direct	Direct	Direct	Direct
No. Speeds	Multiple	Multiple	Multiple	Multiple
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
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 x mm x mm]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]	46.8 [1327]	46.8 [1327]	46.8 [1327]	46.8 [1327]
Weights				
Net Weight lbs. [kg]	403 [183]	403 [183]	408 [185]	408 [185]
Ship Weight lbs. [kg]	413 [187]	413 [187]	418 [190]	418 [190]

See Page 21 for Notes.

[ ] Designates Metric Conversions

NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model TZGE5 Series	536CL060C	536CL080C	536CL100C	536JL060C
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	36,000 [10.55]	36,000 [10.55]	36,000 [10.55]	36,000 [10.55]
EER/SEER[2]	12/15	12/15	12/15	12/15
Nominal CFM/AHRI Rated CFM [L/s]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]
AHRI Net Cooling Capacity Btu [kW]	35,000 [10.25]	35,000 [10.25]	35,000 [10.25]	35,000 [10.25]
Net Sensible Capacity Btu [kW]	25,400 [7.44]	25,400 [7.44]	25,400 [7.44]	25,400 [7.44]
Net Latent Capacity Btu [kW]	9,600 [2.81]	9,600 [2.81]	9,600 [2.81]	9,600 [2.81]
Net System Power kW	2.77	2.77	2.77	2.77
Heating Performance (Gas)[3]				
Heating Input Btu [kW]	60,000 [17.58]	80,000 [23.44]	100,000 [29.3]	60,000 [17.58]
Heating Output Btu [kW]	48,600 [14.24]	64,800 [18.99]	81,000 [23.73]	48,000 [14.06]
Temperature Rise Range °F [°C]	40-70 [22.2-38.9]	35-65 [19.4-36.1]	45-75 [25-41.7]	40-70 [22.2-38.9]
AFUE %[4]	81	81	81	81
Steady State Efficiency (%)	81.19	81.71	81.79	81.19
No. Burners	3	3	3	3
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)[5]	76	76	76	76
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	0.71 [18]	0.71 [18]	0.71 [18]	0.71 [18]
Face Area sq. ft. [sq. m]	9.8 [0.91]	9.8 [0.91]	9.8 [0.91]	9.8 [0.91]
Rows / FPI [FPcm]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1 [25.4]	1 [25.4]	1 [25.4]	1 [25.4]
Face Area sq. ft. [sq. m]	3.6 [0.33]	3.6 [0.33]	3.6 [0.33]	3.6 [0.33]
Rows / FPI [FPcm]	1 / 17 [7]	1 / 17 [7]	1 / 17 [7]	1 / 17 [7]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
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 1/3 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]	1/12x9 [305x229]	1/12x9 [305x229]	1/12x9 [305x229]	1/12x9 [305x229]
Drive Type	Direct	Direct	Direct	Direct
No. Speeds	Multiple	Multiple	Multiple	Multiple
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
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 x mm x mm]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]	52.7 [1494]	52.7 [1494]	52.7 [1494]	52.7 [1494]
Weights				
Net Weight lbs. [kg]	411 [186]	416 [189]	421 [191]	411 [186]
Ship Weight lbs. [kg]	421 [191]	426 [193]	431 [196]	421 [191]

See Page 21 for Notes.

[ ] Designates Metric Conversions

NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model TZGE5 Series	536JL060CX	536JL080C	536JL080CX	536JL100C
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	36,000 [10.55]	36,000 [10.55]	36,000 [10.55]	36,000 [10.55]
EER/SEER[2]	12/15	12/15	12/15	12/15
Nominal CFM/AHRI Rated CFM [L/s]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]	1200/1200 [566/566]
AHRI Net Cooling Capacity Btu [kW]	35,000 [10.25]	35,000 [10.25]	35,000 [10.25]	35,000 [10.25]
Net Sensible Capacity Btu [kW]	25,400 [7.44]	25,400 [7.44]	25,400 [7.44]	25,400 [7.44]
Net Latent Capacity Btu [kW]	9,600 [2.81]	9,600 [2.81]	9,600 [2.81]	9,600 [2.81]
Net System Power kW	2.77	2.77	2.77	2.77
Heating Performance (Gas)[3]				
Heating Input Btu [kW]	60,000 [17.58]	80,000 [23.44]	80,000 [23.44]	100,000 [29.3]
Heating Output Btu [kW]	48,000 [14.06]	64,000 [18.75]	64,000 [18.75]	80,000 [23.44]
Temperature Rise Range °F [°C]	40-70 [22.2-38.9]	35-65 [19.4-36.1]	35-65 [19.4-36.1]	45-75 [25-41.7]
AFUE %[4]	81	81	81	81
Steady State Efficiency (%)	81.19	81.71	81.71	81.79
No. Burners	3	3	3	3
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)[5]	76	76	76	76
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	0.71 [18]	0.71 [18]	0.71 [18]	0.71 [18]
Face Area sq. ft. [sq. m]	9.8 [0.91]	9.8 [0.91]	9.8 [0.91]	9.8 [0.91]
Rows / FPI [FPcm]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1 [25.4]	1 [25.4]	1 [25.4]	1 [25.4]
Face Area sq. ft. [sq. m]	3.6 [0.33]	3.6 [0.33]	3.6 [0.33]	3.6 [0.33]
Rows / FPI [FPcm]	1 / 17 [7]	1 / 17 [7]	1 / 17 [7]	1 / 17 [7]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
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 1/3 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]	1/12x9 [305x229]	1/12x9 [305x229]	1/12x9 [305x229]	1/12x9 [305x229]
Drive Type	Direct	Direct	Direct	Direct
No. Speeds	Multiple	Multiple	Multiple	Multiple
No. Motors	1	1	1	1
Motor HP	1/2	1/2	1/2	1/2
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 x mm x mm]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]	52.7 [1494]	52.7 [1494]	52.7 [1494]	52.7 [1494]
Weights				
Net Weight lbs. [kg]	411 [186]	416 [189]	416 [189]	421 [191]
Ship Weight lbs. [kg]	421 [191]	426 [193]	426 [193]	431 [196]

See Page 21 for Notes.

[ ] Designates Metric Conversions

NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model TZGE5 Series	536JL100CX	542CL100C	542JL100C	542JL100CX
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	36,000 [10.55]	41,000 [12.01]	41,000 [12.01]	41,000 [12.01]
EER/SEER[2]	12/15	12/15	12/15	12/15
Nominal CFM/AHRI Rated CFM [L/s]	1200/1200 [566/566]	1400/1300 [661/613]	1400/1300 [661/613]	1400/1300 [661/613]
AHRI Net Cooling Capacity Btu [kW]	35,000 [10.25]	40,000 [11.72]	40,000 [11.72]	40,000 [11.72]
Net Sensible Capacity Btu [kW]	25,400 [7.44]	28,600 [8.38]	28,600 [8.38]	28,600 [8.38]
Net Latent Capacity Btu [kW]	9,600 [2.81]	11,400 [3.34]	11,400 [3.34]	11,400 [3.34]
Net System Power kW	2.77	3.28	3.28	3.28
Heating Performance (Gas)[3]				
Heating Input Btu [kW]	100,000 [29.3]	100,000 [29.3]	100,000 [29.3]	100,000 [29.3]
Heating Output Btu [kW]	80,000 [23.44]	81,000 [23.73]	80,000 [23.44]	80,000 [23.44]
Temperature Rise Range °F [°C]	45-75 [25-41.7]	45-75 [25-41.7]	45-75 [25-41.7]	45-75 [25-41.7]
AFUE %[4]	81	81	81	81
Steady State Efficiency (%)	81.79	81.79	81.79	81.79
No. Burners	3	4	4	4
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)[5]	76	76	76	76
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	0.71 [18]	0.71 [18]	0.71 [18]	0.71 [18]
Face Area sq. ft. [sq. m]	9.8 [0.91]	14.1 [1.31]	14.1 [1.31]	14.1 [1.31]
Rows / FPI [FPcm]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1 [25.4]	1 [25.4]	1 [25.4]	1 [25.4]
Face Area sq. ft. [sq. m]	3.6 [0.33]	3.6 [0.33]	3.6 [0.33]	3.6 [0.33]
Rows / FPI [FPcm]	1 / 17 [7]	1 / 17 [7]	1 / 17 [7]	1 / 17 [7]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
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]	3500 [1652]	3500 [1652]	3500 [1652]
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]	1/12x9 [305x229]	1/12x9 [305x229]	1/12x9 [305x229]	1/12x9 [305x229]
Drive Type	Direct	Direct	Direct	Direct
No. Speeds	Multiple	Multiple	Multiple	Multiple
No. Motors	1	1	1	1
Motor HP	1/2	3/4	3/4	3/4
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 x mm x mm]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]
Refrigerant Charge Oz. [g]	52.7 [1494]	61.3 [1738]	61.3 [1738]	61.3 [1738]
Weights				
Net Weight lbs. [kg]	421 [191]	450 [204]	450 [204]	450 [204]
Ship Weight lbs. [kg]	431 [196]	460 [209]	460 [209]	460 [209]

See Page 21 for Notes.

[ ] Designates Metric Conversions

NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model TZGE5 Series	548CL100C	548JL100C	548JL100CX	560CL100C
Cooling Performance[1]				CONTINUED →
Gross Cooling Capacity Btu [kW]	47,500 [13.92]	47,500 [13.92]	47,500 [13.92]	59,500 [17.43]
EER/SEER[2]	12/15	12/15	12/15	15
Nominal CFM/AHRI Rated CFM [L/s]	1600/1550 [755/731]	1600/1550 [755/731]	1600/1550 [755/731]	20.9/11.4
AHRI Net Cooling Capacity Btu [kW]	46,000 [13.48]	46,000 [13.48]	46,000 [13.48]	1250/1850 [590/873]
Net Sensible Capacity Btu [kW]	33,000 [9.67]	33,000 [9.67]	33,000 [9.67]	49,500/57,000 [14.5/16.7]
Net Latent Capacity Btu [kW]	13,000 [3.81]	13,000 [3.81]	13,000 [3.81]	33,800/40,700 [9.9/11.92]
Net System Power kW	3.66	3.66	3.66	15,700/16,300 [4.6/4.78]
Heating Performance (Gas)[3]				2.14/5.02
Heating Input Btu [kW]	100,000 [29.3]	100,000 [29.3]	100,000 [29.3]	100,000 [29.3]
Heating Output Btu [kW]	81,000 [23.73]	80,000 [23.44]	80,000 [23.44]	81,000 [23.73]
Temperature Rise Range °F [°C]	45-75 [25-41.7]	45-75 [25-41.7]	45-75 [25-41.7]	45-75 [25-41.7]
AFUE %[4]	81	81	81	81
Steady State Efficiency (%)	82.01	82.01	82.01	82.01
No. Burners	4	4	4	5
No. Stages	1	1	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]	0.5 [12.7]
Compressor				
No./Type	1/Scroll	1/Scroll	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)[5]	78	78	78	78
Outdoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	0.71 [18]	0.7 [17.8]	0.7 [17.8]	1 [25.4]
Face Area sq. ft. [sq. m]	16.3 [1.51]	16.3 [1.51]	16.3 [1.51]	15.3 [1.42]
Rows / FPI [FPcm]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]	1 / 23 [9]
Indoor Coil—Fin Type	Louvered	Louvered	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1.26 [32]	1.26 [32]	1.26 [32]	1.26 [32]
Face Area sq. ft. [sq. m]	4.1 [0.38]	4.1 [0.38]	4.1 [0.38]	4 [0.37]
Rows / FPI [FPcm]	1 / 20 [8]	1 / 20 [8]	1 / 20 [8]	1 / 20 [8]
Refrigerant Control	TX Valves	TX Valves	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]	1/0.75 [19.05]
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]	3300 [1557]	3300 [1557]
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]	1/12x9 [305x229]	1/12x9 [305x229]	1/12x9 [305x229]	1/12x9 [305x229]
Drive Type	Direct	Direct	Direct	Direct
No. Speeds	Multiple	Multiple	Multiple	Multiple
No. Motors	1	1	1	1
Motor HP	3/4	3/4	3/4	1
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 x mm x mm]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x24 [25x610x610]	(1)1x24x30 [25x610x762]
Refrigerant Charge Oz. [g]	85.3 [2418]	85.3 [2418]	85.3 [2418]	89.6 [2540]
Weights				
Net Weight lbs. [kg]	497 [225]	497 [225]	497 [225]	515 [234]
Ship Weight lbs. [kg]	507 [230]	507 [230]	507 [230]	525 [238]

See Page 21 for Notes.

[ ] Designates Metric Conversions

NOMINAL SIZES 2-5 TONS [7.0-17.6 kW]

Model TZGE5 Series	560JL100C	560JL100CX
Cooling Performance[1]		
Gross Cooling Capacity Btu [kW]	59,500 [17.43]	59,500 [17.43]
EER/SEER[2]	15	15
Nominal CFM/AHRI Rated CFM [L/s]	20/11	20/11
AHRI Net Cooling Capacity Btu [kW]	1250/1850 [590/873]	1250/1850 [590/873]
Net Sensible Capacity Btu [kW]	49,500/57,000 [14.5/16.7]	49,500/57,000 [14.5/16.7]
Net Latent Capacity Btu [kW]	33,800/40,700 [9.9/11.92]	33,800/40,700 [9.9/11.92]
Net System Power kW	15,700/16,300 [4.6/4.78]	15,700/16,300 [4.6/4.78]
Heating Performance (Gas)[3]	2.14/5.02	2.14/5.02
Heating Input Btu [kW]	100,000 [29.3]	100,000 [29.3]
Heating Output Btu [kW]	80,000 [23.44]	80,000 [23.44]
Temperature Rise Range °F [°C]	45-75 [25-41.7]	45-75 [25-41.7]
AFUE %[4]	81	81
Steady State Efficiency (%)	82	82
No. Burners	5	5
No. Stages	1	1
Gas Connection Pipe Size in. [mm]	0.5 [12.7]	0.5 [12.7]
Compressor		
No./Type	1/Scroll	1/Scroll
Outdoor Sound Rating (dB)[5]	78	78
Outdoor Coil—Fin Type	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1 [25.4]	1 [25.4]
Face Area sq. ft. [sq. m]	15.3 [1.42]	15.3 [1.42]
Rows / FPI [FPcm]	1 / 23 [9]	1 / 23 [9]
Indoor Coil—Fin Type	Louvered	Louvered
Tube Type	MicroChannel	MicroChannel
MicroChannel Depth in. [mm]	1.26 [32]	1.26 [32]
Face Area sq. ft. [sq. m]	4 [0.37]	4 [0.37]
Rows / FPI [FPcm]	1 / 20 [8]	1 / 20 [8]
Refrigerant Control	TX Valves	TX Valves
Drain Connection No./Size in. [mm]	1/0.75 [19.05]	1/0.75 [19.05]
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]	3300 [1557]	3300 [1557]
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]	1/12x9 [305x229]	1/12x9 [305x229]
Drive Type	Direct	Direct
No. Speeds	Multiple	Multiple
No. Motors	1	1
Motor HP	1	1
Motor RPM	1075	1075
Motor Frame Size	48	48
Filter—Type	Field Supplied	Field Supplied
Furnished	No	No
(NO.) Size Recommended in. [mm x mm x mm]	(1)1x24x30 [25x610x762]	(1)1x24x30 [25x610x762]
Refrigerant Charge Oz. [g]	89.6 [2540]	89.6 [2540]
Weights		
Net Weight lbs. [kg]	515 [234]	515 [234]
Ship Weight lbs. [kg]	525 [238]	525 [238]

CONTINUED ⟶

See Page 21 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. Heating Performance limit settings and rating data were established and approved under laboratory test conditions using American National Standard Institute standards. Ratings shown are for elevations up to 2000 feet. For elevations above 2000 feet, ratings should be reduced at the rate of 4% for each 1000 feet above sea level.
4. AFUE is rated in accordance with DOE test procedures.
5. Outdoor Sound Rating shown is tested in accordance with AHRI Standard 270.

GROSS SYSTEMS PERFORMANCE DATA—TZGE424

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]			990 [467]	900 [425]	760 [359]	990 [467]	900 [425]	760 [359]	990 [467]	900 [425]	760 [359]
DR ①			0.18	0.15	0.12	0.18	0.15	0.12	0.18	0.15	0.12
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	31.2 [9.1]	30.6 [9.0]	29.7 [8.7]	29.3 [8.6]	28.8 [8.4]	28.0 [8.2]	27.8 [8.2]	27.3 [8.0]	26.6 [7.8]
		Sens BTUH [kW]	19.3 [5.7]	18.5 [5.4]	17.1 [5.0]	22.6 [6.6]	21.6 [6.3]	20.0 [5.9]	25.3 [7.4]	24.2 [7.1]	22.5 [6.6]
		Power	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
	80 [26.7]	Total BTUH [kW]	30.1 [8.8]	29.6 [8.7]	28.8 [8.4]	28.3 [8.3]	27.8 [8.2]	27.0 [7.9]	26.8 [7.9]	26.3 [7.7]	25.6 [7.5]
		Sens BTUH [kW]	18.7 [5.5]	17.9 [5.2]	16.6 [4.9]	22.0 [6.4]	21.0 [6.2]	19.5 [5.7]	24.7 [7.2]	23.6 [6.9]	21.9 [6.4]
		Power	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	85 [29.4]	Total BTUH [kW]	29.1 [8.5]	28.6 [8.4]	27.8 [8.1]	27.3 [8.0]	26.8 [7.9]	26.1 [7.6]	25.8 [7.6]	25.4 [7.4]	24.6 [7.2]
		Sens BTUH [kW]	18.1 [5.3]	17.3 [5.1]	16.0 [4.7]	21.4 [6.3]	20.4 [6.0]	18.9 [5.5]	24.1 [7.1]	23.0 [6.8]	21.4 [6.3]
		Power	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	90 [32.2]	Total BTUH [kW]	28.1 [8.2]	27.6 [8.1]	26.8 [7.9]	26.3 [7.7]	25.8 [7.6]	25.1 [7.4]	24.8 [7.3]	24.4 [7.1]	23.7 [6.9]
		Sens BTUH [kW]	17.5 [5.1]	16.7 [4.9]	15.5 [4.5]	20.8 [6.1]	19.8 [5.8]	18.4 [5.4]	23.5 [6.9]	22.5 [6.6]	20.8 [6.1]
		Power	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	95 [35]	Total BTUH [kW]	27.1 [7.9]	26.6 [7.8]	25.9 [7.6]	25.3 [7.4]	24.9 [7.3]	24.2 [7.1]	23.8 [7.0]	23.4 [6.8]	22.7 [6.7]
		Sens BTUH [kW]	16.9 [5.0]	16.1 [4.7]	15.0 [4.4]	20.2 [5.9]	19.3 [5.6]	17.9 [5.2]	22.9 [6.7]	21.9 [6.4]	20.3 [5.9]
		Power	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	100 [37.8]	Total BTUH [kW]	26.1 [7.6]	25.6 [7.5]	24.9 [7.3]	24.3 [7.1]	23.9 [7.0]	23.2 [6.8]	22.8 [6.7]	22.4 [6.6]	21.7 [6.4]
		Sens BTUH [kW]	16.3 [4.8]	15.6 [4.6]	14.4 [4.2]	19.6 [5.7]	18.7 [5.5]	17.3 [5.1]	22.3 [6.5]	21.3 [6.2]	19.8 [5.8]
		Power	2.0	1.9	1.9	2.0	1.9	1.9	2.0	1.9	1.9
	105 [40.6]	Total BTUH [kW]	25.1 [7.4]	24.6 [7.2]	23.9 [7.0]	23.3 [6.8]	22.9 [6.7]	22.2 [6.5]	21.8 [6.4]	21.4 [6.3]	20.8 [6.1]
		Sens BTUH [kW]	15.7 [4.6]	15.0 [4.4]	13.9 [4.1]	19.0 [5.6]	18.1 [5.3]	16.8 [4.9]	21.7 [6.4]	20.7 [6.1]	19.2 [5.6]
		Power	2.1	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.0
	110 [43.3]	Total BTUH [kW]	24.1 [7.1]	23.6 [6.9]	23.0 [6.7]	22.3 [6.5]	21.9 [6.4]	21.2 [6.2]	20.7 [6.1]	20.4 [6.0]	19.8 [5.8]
		Sens BTUH [kW]	15.1 [4.4]	14.4 [4.2]	13.4 [3.9]	18.4 [5.4]	17.5 [5.1]	16.3 [4.8]	20.7 [6.1]	20.2 [5.9]	18.7 [5.5]
		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]	23.1 [6.8]	22.6 [6.6]	22.0 [6.4]	21.2 [6.2]	20.9 [6.1]	20.3 [5.9]	19.7 [5.8]	19.4 [5.7]	18.8 [5.5]
		Sens BTUH [kW]	14.5 [4.3]	13.9 [4.1]	12.9 [3.8]	17.8 [5.2]	17.0 [5.0]	15.7 [4.6]	19.7 [5.8]	19.4 [5.7]	18.2 [5.3]
		Power	2.4	2.4	2.3	2.4	2.4	2.3	2.4	2.4	2.3
	120 [48.9]	Total BTUH [kW]	22.0 [6.5]	21.6 [6.3]	21.0 [6.2]	20.2 [5.9]	19.9 [5.8]	19.3 [5.7]	18.7 [5.5]	18.4 [5.4]	17.9 [5.2]
		Sens BTUH [kW]	13.9 [4.1]	13.3 [3.9]	12.3 [3.6]	17.2 [5.0]	16.4 [4.8]	15.2 [4.5]	18.7 [5.5]	18.4 [5.4]	17.7 [5.2]
		Power	2.6	2.5	2.5	2.6	2.5	2.5	2.6	2.5	2.5
	125 [51.7]	Total BTUH [kW]	21.0 [6.2]	20.6 [6.0]	20.1 [5.9]	19.2 [5.6]	18.9 [5.5]	18.3 [5.4]	17.7 [5.2]	17.4 [5.1]	16.9 [4.9]
		Sens BTUH [kW]	13.3 [3.9]	12.7 [3.7]	11.8 [3.5]	16.6 [4.9]	15.8 [4.6]	14.7 [4.3]	17.7 [5.2]	17.4 [5.1]	16.9 [4.9]
		Power	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	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 x CFM x (1 – DR) x (dbE – 80)].

[ ] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—TZGE430

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]			1100 [519]	1000 [472]	850 [401]	1100 [519]	1000 [472]	850 [401]	1100 [519]	1000 [472]	850 [401]
DR ①			0.16	0.15	0.11	0.16	0.15	0.11	0.16	0.15	0.11
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	37.0 [10.9]	36.4 [10.7]	35.4 [10.4]	35.0 [10.3]	34.4 [10.1]	33.4 [9.8]	33.2 [9.7]	32.6 [9.6]	31.7 [9.3]
		Sens BTUH [kW]	21.6 [6.3]	20.6 [6.0]	19.2 [5.6]	25.6 [7.5]	24.4 [7.2]	22.7 [6.7]	28.8 [8.4]	27.5 [8.1]	25.6 [7.5]
		Power	1.7	1.6	1.6	1.7	1.6	1.6	1.6	1.6	1.6
	80 [26.7]	Total BTUH [kW]	36.0 [10.5]	35.4 [10.4]	34.4 [10.1]	33.9 [9.9]	33.3 [9.8]	32.4 [9.5]	32.2 [9.4]	31.6 [9.3]	30.7 [9.0]
		Sens BTUH [kW]	21.1 [6.2]	20.1 [5.9]	18.7 [5.5]	25.1 [7.4]	24.0 [7.0]	22.3 [6.5]	28.3 [8.3]	27.0 [7.9]	25.1 [7.4]
		Power	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	85 [29.4]	Total BTUH [kW]	34.9 [10.2]	34.3 [10.1]	33.4 [9.8]	32.9 [9.6]	32.3 [9.5]	31.4 [9.2]	31.1 [9.1]	30.6 [9.0]	29.7 [8.7]
		Sens BTUH [kW]	20.6 [6.0]	19.7 [5.8]	18.3 [5.4]	24.6 [7.2]	23.5 [6.9]	21.8 [6.4]	27.8 [8.1]	26.5 [7.8]	24.7 [7.2]
		Power	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	90 [32.2]	Total BTUH [kW]	33.9 [9.9]	33.3 [9.7]	32.3 [9.5]	31.8 [9.3]	31.2 [9.2]	30.4 [8.9]	30.0 [8.8]	29.5 [8.6]	28.7 [8.4]
		Sens BTUH [kW]	20.1 [5.9]	19.2 [5.6]	17.8 [5.2]	24.1 [7.1]	23.0 [6.7]	21.4 [6.3]	27.3 [8.0]	26.0 [7.6]	24.2 [7.1]
		Power	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	95 [35]	Total BTUH [kW]	32.8 [9.6]	32.2 [9.4]	31.3 [9.2]	30.7 [9.0]	30.2 [8.8]	29.3 [8.6]	28.9 [8.5]	28.4 [8.3]	27.6 [8.1]
		Sens BTUH [kW]	19.5 [5.7]	18.6 [5.5]	17.3 [5.1]	23.5 [6.9]	22.5 [6.6]	20.9 [6.1]	26.7 [7.8]	25.5 [7.5]	23.7 [7.0]
		Power	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	100 [37.8]	Total BTUH [kW]	31.6 [9.3]	31.1 [9.1]	30.2 [8.9]	29.6 [8.7]	29.1 [8.5]	28.3 [8.3]	27.8 [8.2]	27.3 [8.0]	26.6 [7.8]
		Sens BTUH [kW]	18.9 [5.5]	18.1 [5.3]	16.8 [4.9]	22.9 [6.7]	21.9 [6.4]	20.4 [6.0]	26.1 [7.7]	25.0 [7.3]	23.2 [6.8]
		Power	2.2	2.2	2.1	2.2	2.1	2.1	2.2	2.1	2.1
	105 [40.6]	Total BTUH [kW]	30.5 [8.9]	30.0 [8.8]	29.2 [8.5]	28.5 [8.3]	28.0 [8.2]	27.2 [8.0]	26.7 [7.8]	26.2 [7.7]	25.5 [7.5]
		Sens BTUH [kW]	18.3 [5.4]	17.5 [5.1]	16.3 [4.8]	22.3 [6.5]	21.3 [6.2]	19.8 [5.8]	25.5 [7.5]	24.4 [7.1]	22.7 [6.6]
		Power	2.3	2.3	2.3	2.3	2.3	2.2	2.3	2.3	2.2
	110 [43.3]	Total BTUH [kW]	29.4 [8.6]	28.8 [8.5]	28.1 [8.2]	27.3 [8.0]	26.8 [7.9]	26.1 [7.6]	25.5 [7.5]	25.1 [7.4]	24.4 [7.2]
		Sens BTUH [kW]	17.7 [5.2]	16.9 [5.0]	15.7 [4.6]	21.7 [6.4]	20.7 [6.1]	19.3 [5.6]	24.9 [7.3]	23.8 [7.0]	22.1 [6.5]
		Power	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	115 [46.1]	Total BTUH [kW]	28.2 [8.3]	27.7 [8.1]	26.9 [7.9]	26.1 [7.7]	25.7 [7.5]	25.0 [7.3]	24.4 [7.1]	23.9 [7.0]	23.3 [6.8]
		Sens BTUH [kW]	17.0 [5.0]	16.3 [4.8]	15.1 [4.4]	21.0 [6.2]	20.1 [5.9]	18.7 [5.5]	24.2 [7.1]	23.1 [6.8]	21.5 [6.3]
		Power	2.6	2.6	2.5	2.6	2.6	2.5	2.6	2.5	2.5
	120 [48.9]	Total BTUH [kW]	27.0 [7.9]	26.5 [7.8]	25.8 [7.6]	25.0 [7.3]	24.5 [7.2]	23.9 [7.0]	23.2 [6.8]	22.8 [6.7]	22.2 [6.5]
		Sens BTUH [kW]	16.3 [4.8]	15.6 [4.6]	14.5 [4.3]	20.3 [6.0]	19.4 [5.7]	18.1 [5.3]	23.2 [6.8]	22.5 [6.6]	20.9 [6.1]
		Power	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
	125 [51.7]	Total BTUH [kW]	25.8 [7.6]	25.4 [7.4]	24.7 [7.2]	23.8 [7.0]	23.3 [6.8]	22.7 [6.7]	22.0 [6.4]	21.6 [6.3]	21.0 [6.2]
		Sens BTUH [kW]	15.6 [4.6]	14.9 [4.4]	13.9 [4.1]	19.6 [5.8]	18.8 [5.5]	17.4 [5.1]	22.0 [6.4]	21.6 [6.3]	20.3 [5.9]
		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)].

[ ] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—TZGE436

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]			1320 [623]	1200 [566]	1020 [481]	1320 [623]	1200 [566]	1020 [481]	1320 [623]	1200 [566]	1020 [481]	
DR ①			0.23	0.21	0.18	0.23	0.21	0.18	0.23	0.21	0.18	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	44.3 [13.0]	43.5 [12.8]	42.3 [12.4]	41.4 [12.1]	40.6 [11.9]	39.5 [11.6]	38.3 [11.2]	37.6 [11.0]	36.6 [10.7]	
		Sens BTUH [kW]	25.4 [7.4]	24.2 [7.1]	22.5 [6.6]	29.6 [8.7]	28.3 [8.3]	26.3 [7.7]	32.8 [9.6]	31.3 [9.2]	29.1 [8.5]	
		Power	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	
	80 [26.7]	Total BTUH [kW]	43.0 [12.6]	42.2 [12.4]	41.1 [12.0]	40.0 [11.7]	39.3 [11.5]	38.2 [11.2]	37.0 [10.8]	36.3 [10.6]	35.3 [10.3]	
		Sens BTUH [kW]	24.7 [7.2]	23.6 [6.9]	21.9 [6.4]	28.9 [8.5]	27.6 [8.1]	25.7 [7.5]	32.1 [9.4]	30.7 [9.0]	28.5 [8.4]	
		Power	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	
	85 [29.4]	Total BTUH [kW]	41.7 [12.2]	40.9 [12.0]	39.8 [11.7]	38.7 [11.3]	38.0 [11.1]	37.0 [10.8]	35.6 [10.4]	35.0 [10.3]	34.0 [10.0]	
		Sens BTUH [kW]	24.0 [7.0]	22.9 [6.7]	21.3 [6.2]	28.2 [8.3]	27.0 [7.9]	25.1 [7.3]	31.4 [9.2]	30.0 [8.8]	27.9 [8.2]	
		Power	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	
	90 [32.2]	Total BTUH [kW]	40.3 [11.8]	39.6 [11.6]	38.5 [11.3]	37.3 [10.9]	36.7 [10.7]	35.7 [10.5]	34.3 [10.0]	33.7 [9.9]	32.7 [9.6]	
		Sens BTUH [kW]	23.2 [6.8]	22.2 [6.5]	20.7 [6.1]	27.5 [8.1]	26.3 [7.7]	24.4 [7.2]	30.7 [9.0]	29.3 [8.6]	27.3 [8.0]	
		Power	2.4	2.4	2.3	2.4	2.4	2.3	2.4	2.4	2.3	
	95 [35]	Total BTUH [kW]	38.9 [11.4]	38.3 [11.2]	37.2 [10.9]	36.0 [10.5]	35.3 [10.4]	34.4 [10.1]	32.9 [9.6]	32.3 [9.5]	31.4 [9.2]	
		Sens BTUH [kW]	22.5 [6.6]	21.5 [6.3]	20.0 [5.9]	26.7 [7.8]	25.5 [7.5]	23.7 [7.0]	29.9 [8.8]	28.6 [8.4]	26.6 [7.8]	
		Power	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
	100 [37.8]	Total BTUH [kW]	37.6 [11.0]	36.9 [10.8]	35.9 [10.5]	34.6 [10.1]	34.0 [10.0]	33.0 [9.7]	31.5 [9.2]	30.9 [9.1]	30.1 [8.8]	
		Sens BTUH [kW]	21.7 [6.4]	20.7 [6.1]	19.3 [5.7]	25.9 [7.6]	24.8 [7.3]	23.0 [6.8]	29.1 [8.5]	27.8 [8.2]	25.9 [7.6]	
		Power	2.7	2.7	2.6	2.7	2.7	2.6	2.7	2.6	2.6	
	105 [40.6]	Total BTUH [kW]	36.1 [10.6]	35.5 [10.4]	34.5 [10.1]	33.2 [9.7]	32.6 [9.5]	31.7 [9.3]	30.1 [8.8]	29.6 [8.7]	28.7 [8.4]	
		Sens BTUH [kW]	20.9 [6.1]	20.0 [5.8]	18.6 [5.4]	25.1 [7.4]	24.0 [7.0]	22.3 [6.5]	28.3 [8.3]	27.1 [7.9]	25.2 [7.4]	
		Power	2.9	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	
	110 [43.3]	Total BTUH [kW]	34.7 [10.2]	34.1 [10.0]	33.2 [9.7]	31.7 [9.3]	31.2 [9.1]	30.3 [8.9]	28.7 [8.4]	28.2 [8.3]	27.4 [8.0]	
		Sens BTUH [kW]	20.1 [5.9]	19.2 [5.6]	17.8 [5.2]	24.3 [7.1]	23.2 [6.8]	21.6 [6.3]	27.5 [8.1]	26.3 [7.7]	24.4 [7.2]	
		Power	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	
	115 [46.1]	Total BTUH [kW]	33.3 [9.8]	32.7 [9.6]	31.8 [9.3]	30.3 [8.9]	29.8 [8.7]	28.9 [8.5]	27.2 [8.0]	26.7 [7.8]	26.0 [7.6]	
		Sens BTUH [kW]	19.2 [5.6]	18.3 [5.4]	17.0 [5.0]	23.4 [6.9]	22.4 [6.6]	20.8 [6.1]	26.6 [7.8]	25.4 [7.5]	23.7 [6.9]	
		Power	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	
	120 [48.9]	Total BTUH [kW]	31.8 [9.3]	31.2 [9.2]	30.4 [8.9]	28.8 [8.5]	28.3 [8.3]	27.5 [8.1]	25.8 [7.5]	25.3 [7.4]	24.6 [7.2]	
		Sens BTUH [kW]	18.3 [5.4]	17.5 [5.1]	16.3 [4.8]	22.5 [6.6]	21.5 [6.3]	20.0 [5.9]	25.7 [7.5]	24.6 [7.2]	22.9 [6.7]	
		Power	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	
	125 [51.7]	Total BTUH [kW]	30.3 [8.9]	29.8 [8.7]	29.0 [8.5]	27.4 [8.0]	26.9 [7.9]	26.1 [7.7]	24.3 [7.1]	23.8 [7.0]	23.2 [6.8]	
		Sens BTUH [kW]	17.4 [5.1]	16.6 [4.9]	15.4 [4.5]	21.6 [6.3]	20.7 [6.1]	19.2 [5.6]	24.3 [7.1]	23.7 [6.9]	22.0 [6.5]	
		Power	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	

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)].

[ ] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—TZGE442

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]			1430 [675]	1300 [614]	1100 [519]	1430 [675]	1300 [614]	1100 [519]	1430 [675]	1300 [614]	1100 [519]
DR ①			0.15	0.14	0.1	0.15	0.14	0.1	0.15	0.14	0.1
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	50.0 [14.7]	49.1 [14.4]	47.7 [14.0]	47.3 [13.9]	46.4 [13.6]	45.1 [13.2]	44.3 [13.0]	43.5 [12.8]	42.3 [12.4]
		Sens BTUH [kW]	29.2 [8.5]	27.9 [8.2]	25.9 [7.6]	34.3 [10.0]	32.7 [9.6]	30.4 [8.9]	38.5 [11.3]	36.8 [10.8]	34.2 [10.0]
		Power	2.4	2.4	2.3	2.4	2.3	2.3	2.3	2.3	2.3
	80 [26.7]	Total BTUH [kW]	48.7 [14.3]	47.9 [14.0]	46.5 [13.6]	46.0 [13.5]	45.2 [13.2]	43.9 [12.9]	43.0 [12.6]	42.3 [12.4]	41.1 [12.0]
		Sens BTUH [kW]	28.5 [8.4]	27.3 [8.0]	25.3 [7.4]	33.7 [9.9]	32.2 [9.4]	29.8 [8.7]	37.9 [11.1]	36.2 [10.6]	33.6 [9.9]
		Power	2.5	2.5	2.5	2.5	2.5	2.4	2.5	2.5	2.4
	85 [29.4]	Total BTUH [kW]	47.4 [13.9]	46.6 [13.6]	45.2 [13.3]	44.7 [13.1]	43.9 [12.9]	42.6 [12.5]	41.7 [12.2]	41.0 [12.0]	39.8 [11.7]
		Sens BTUH [kW]	27.9 [8.2]	26.6 [7.8]	24.7 [7.2]	33.0 [9.7]	31.5 [9.2]	29.3 [8.6]	37.2 [10.9]	35.6 [10.4]	33.0 [9.7]
		Power	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	90 [32.2]	Total BTUH [kW]	46.0 [13.5]	45.2 [13.2]	43.9 [12.9]	43.3 [12.7]	42.5 [12.5]	41.3 [12.1]	40.3 [11.8]	39.6 [11.6]	38.5 [11.3]
		Sens BTUH [kW]	27.2 [8.0]	26.0 [7.6]	24.1 [7.1]	32.3 [9.5]	30.8 [9.0]	28.6 [8.4]	36.5 [10.7]	34.9 [10.2]	32.4 [9.5]
		Power	2.8	2.8	2.8	2.8	2.8	2.7	2.8	2.8	2.7
	95 [35]	Total BTUH [kW]	44.6 [13.1]	43.8 [12.8]	42.6 [12.5]	41.8 [12.3]	41.1 [12.0]	39.9 [11.7]	38.9 [11.4]	38.2 [11.2]	37.1 [10.9]
		Sens BTUH [kW]	26.4 [7.7]	25.2 [7.4]	23.4 [6.9]	31.5 [9.2]	30.1 [8.8]	27.9 [8.2]	35.8 [10.5]	34.2 [10.0]	31.7 [9.3]
		Power	3.0	3.0	2.9	3.0	3.0	2.9	3.0	2.9	2.9
	100 [37.8]	Total BTUH [kW]	43.1 [12.6]	42.3 [12.4]	41.1 [12.1]	40.4 [11.8]	39.6 [11.6]	38.5 [11.3]	37.4 [11.0]	36.7 [10.8]	35.7 [10.5]
		Sens BTUH [kW]	25.6 [7.5]	24.4 [7.2]	22.7 [6.6]	30.7 [9.0]	29.3 [8.6]	27.2 [8.0]	34.9 [10.2]	33.4 [9.8]	31.0 [9.1]
		Power	3.2	3.1	3.1	3.2	3.1	3.1	3.1	3.1	3.1
	105 [40.6]	Total BTUH [kW]	41.6 [12.2]	40.8 [12.0]	39.7 [11.6]	38.8 [11.4]	38.1 [11.2]	37.1 [10.9]	35.9 [10.5]	35.2 [10.3]	34.3 [10.0]
		Sens BTUH [kW]	24.7 [7.2]	23.6 [6.9]	21.9 [6.4]	29.8 [8.7]	28.5 [8.3]	26.4 [7.7]	34.1 [10.0]	32.5 [9.5]	30.2 [8.8]
		Power	3.4	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
	110 [43.3]	Total BTUH [kW]	40.0 [11.7]	39.3 [11.5]	38.2 [11.2]	37.2 [10.9]	36.6 [10.7]	35.6 [10.4]	34.3 [10.0]	33.7 [9.9]	32.7 [9.6]
		Sens BTUH [kW]	23.8 [7.0]	22.7 [6.7]	21.1 [6.2]	28.9 [8.5]	27.6 [8.1]	25.6 [7.5]	33.1 [9.7]	31.6 [9.3]	29.4 [8.6]
		Power	3.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
	115 [46.1]	Total BTUH [kW]	38.3 [11.2]	37.7 [11.0]	36.6 [10.7]	35.6 [10.4]	35.0 [10.2]	34.0 [10.0]	32.7 [9.6]	32.1 [9.4]	31.2 [9.1]
		Sens BTUH [kW]	22.8 [6.7]	21.8 [6.4]	20.2 [5.9]	27.9 [8.2]	26.6 [7.8]	24.7 [7.2]	32.1 [9.4]	30.7 [9.0]	28.5 [8.4]
		Power	3.8	3.7	3.7	3.8	3.7	3.7	3.7	3.7	3.7
	120 [48.9]	Total BTUH [kW]	36.7 [10.7]	36.0 [10.6]	35.0 [10.3]	33.9 [9.9]	33.3 [9.8]	32.4 [9.5]	31.0 [9.1]	30.4 [8.9]	29.6 [8.7]
		Sens BTUH [kW]	21.7 [6.4]	20.8 [6.1]	19.3 [5.6]	26.8 [7.9]	25.6 [7.5]	23.8 [7.0]	31.0 [9.1]	29.7 [8.7]	27.6 [8.1]
		Power	4.0	4.0	3.9	4.0	3.9	3.9	4.0	3.9	3.9
	125 [51.7]	Total BTUH [kW]	34.9 [10.2]	34.3 [10.1]	33.3 [9.8]	32.2 [9.4]	31.6 [9.3]	30.7 [9.0]	29.2 [8.6]	28.7 [8.4]	27.9 [8.2]
		Sens BTUH [kW]	20.6 [6.1]	19.7 [5.8]	18.3 [5.4]	25.8 [7.5]	24.6 [7.2]	22.8 [6.7]	29.2 [8.6]	28.7 [8.4]	26.6 [7.8]
		Power	4.2	4.2	4.1	4.2	4.2	4.1	4.2	4.1	4.1

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)].

[ ] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—TZGE448

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]			1700 [802]	1550 [732]	1320 [623]	1700 [802]	1550 [732]	1320 [623]	1700 [802]	1550 [732]	1320 [623]
DR ①			0.21	0.19	0.17	0.21	0.19	0.17	0.21	0.19	0.17
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	58.8 [17.2]	57.8 [16.9]	56.3 [16.5]	55.4 [16.2]	54.4 [15.9]	53.0 [15.5]	52.6 [15.4]	51.7 [15.1]	50.3 [14.7]
		Sens BTUH [kW]	33.0 [9.7]	31.6 [9.3]	29.4 [8.6]	39.1 [11.5]	37.4 [11.0]	34.8 [10.2]	45.0 [13.2]	43.0 [12.6]	40.1 [11.7]
		Power	2.8	2.8	2.7	2.8	2.7	2.7	2.7	2.7	2.7
	80 [26.7]	Total BTUH [kW]	57.1 [16.7]	56.1 [16.4]	54.6 [16.0]	53.6 [15.7]	52.7 [15.4]	51.3 [15.0]	50.8 [14.9]	49.9 [14.6]	48.6 [14.2]
		Sens BTUH [kW]	32.2 [9.4]	30.8 [9.0]	28.7 [8.4]	38.3 [11.2]	36.6 [10.7]	34.1 [10.0]	44.2 [12.9]	42.3 [12.4]	39.3 [11.5]
		Power	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8
	85 [29.4]	Total BTUH [kW]	55.3 [16.2]	54.4 [15.9]	52.9 [15.5]	51.9 [15.2]	51.0 [14.9]	49.6 [14.5]	49.1 [14.4]	48.2 [14.1]	46.9 [13.7]
		Sens BTUH [kW]	31.4 [9.2]	30.0 [8.8]	27.9 [8.2]	37.4 [11.0]	35.8 [10.5]	33.3 [9.8]	43.3 [12.7]	41.4 [12.1]	38.6 [11.3]
		Power	3.1	3.1	3.0	3.1	3.1	3.0	3.1	3.0	3.0
	90 [32.2]	Total BTUH [kW]	53.6 [15.7]	52.6 [15.4]	51.2 [15.0]	50.1 [14.7]	49.2 [14.4]	47.9 [14.0]	47.3 [13.9]	46.5 [13.6]	45.2 [13.3]
		Sens BTUH [kW]	30.4 [8.9]	29.1 [8.5]	27.1 [7.9]	36.5 [10.7]	34.9 [10.2]	32.5 [9.5]	42.4 [12.4]	40.6 [11.9]	37.8 [11.1]
		Power	3.3	3.3	3.2	3.3	3.2	3.2	3.2	3.2	3.2
	95 [35]	Total BTUH [kW]	51.8 [15.2]	50.9 [14.9]	49.5 [14.5]	48.4 [14.2]	47.5 [13.9]	46.3 [13.6]	45.6 [13.4]	44.8 [13.1]	43.6 [12.8]
		Sens BTUH [kW]	29.5 [8.6]	28.2 [8.3]	26.3 [7.7]	35.6 [10.4]	34.0 [10.0]	31.7 [9.3]	41.5 [12.1]	39.7 [11.6]	36.9 [10.8]
		Power	3.5	3.5	3.4	3.5	3.4	3.4	3.4	3.4	3.4
	100 [37.8]	Total BTUH [kW]	50.1 [14.7]	49.2 [14.4]	47.9 [14.0]	46.6 [13.7]	45.8 [13.4]	44.6 [13.1]	43.8 [12.8]	43.1 [12.6]	41.9 [12.3]
		Sens BTUH [kW]	28.5 [8.4]	27.3 [8.0]	25.4 [7.4]	34.6 [10.1]	33.1 [9.7]	30.8 [9.0]	40.5 [11.9]	38.7 [11.3]	36.0 [10.6]
		Power	3.7	3.7	3.6	3.7	3.7	3.6	3.7	3.6	3.6
	105 [40.6]	Total BTUH [kW]	48.4 [14.2]	47.5 [13.9]	46.2 [13.5]	44.9 [13.2]	44.1 [12.9]	42.9 [12.6]	42.1 [12.3]	41.4 [12.1]	40.3 [11.8]
		Sens BTUH [kW]	27.5 [8.1]	26.3 [7.7]	24.5 [7.2]	33.6 [9.8]	32.1 [9.4]	29.9 [8.8]	39.4 [11.6]	37.7 [11.1]	35.1 [10.3]
		Power	4.0	3.9	3.9	3.9	3.9	3.8	3.9	3.9	3.8
	110 [43.3]	Total BTUH [kW]	46.6 [13.7]	45.8 [13.4]	44.6 [13.1]	43.2 [12.7]	42.4 [12.4]	41.3 [12.1]	40.4 [11.8]	39.7 [11.6]	38.6 [11.3]
		Sens BTUH [kW]	26.4 [7.7]	25.3 [7.4]	23.5 [6.9]	32.5 [9.5]	31.1 [9.1]	28.9 [8.5]	38.4 [11.2]	36.7 [10.8]	34.2 [10.0]
		Power	4.2	4.2	4.1	4.2	4.2	4.1	4.2	4.1	4.1
	115 [46.1]	Total BTUH [kW]	44.9 [13.2]	44.1 [12.9]	42.9 [12.6]	41.5 [12.2]	40.8 [11.9]	39.7 [11.6]	38.7 [11.3]	38.0 [11.1]	37.0 [10.8]
		Sens BTUH [kW]	25.3 [7.4]	24.2 [7.1]	22.6 [6.6]	31.4 [9.2]	30.0 [8.8]	28.0 [8.2]	37.3 [10.9]	35.7 [10.5]	33.2 [9.7]
		Power	4.5	4.5	4.4	4.5	4.4	4.4	4.4	4.4	4.4
	120 [48.9]	Total BTUH [kW]	43.2 [12.7]	42.5 [12.4]	41.3 [12.1]	39.8 [11.7]	39.1 [11.4]	38.0 [11.1]	37.0 [10.8]	36.3 [10.6]	35.3 [10.4]
		Sens BTUH [kW]	24.2 [7.1]	23.1 [6.8]	21.5 [6.3]	30.3 [8.9]	28.9 [8.5]	26.9 [7.9]	36.1 [10.6]	34.6 [10.1]	32.2 [9.4]
		Power	4.8	4.8	4.7	4.8	4.7	4.7	4.7	4.7	4.6
	125 [51.7]	Total BTUH [kW]	41.5 [12.2]	40.8 [12.0]	39.7 [11.6]	38.1 [11.2]	37.4 [11.0]	36.4 [10.7]	35.3 [10.3]	34.6 [10.2]	33.7 [9.9]
		Sens BTUH [kW]	23.0 [6.7]	22.0 [6.4]	20.5 [6.0]	29.1 [8.5]	27.8 [8.2]	25.9 [7.6]	35.0 [10.2]	33.4 [9.8]	31.1 [9.1]
		Power	5.1	5.1	5.0	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 x CFM x (1 – DR) x (dbE – 80)].

[ ] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—TZGE460

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]			1870 [883]	1700 [802]	1440 [680]	1870 [883]	1700 [802]	1440 [680]	1870 [883]	1700 [802]	1440 [680]
DR ①			0.14	0.13	0.11	0.14	0.13	0.11	0.14	0.13	0.11
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	72.1 [21.1]	70.8 [20.7]	68.8 [20.2]	67.8 [19.9]	66.6 [19.5]	64.7 [19.0]	63.6 [18.6]	62.4 [18.3]	60.7 [17.8]
		Sens BTUH [kW]	40.6 [11.9]	38.8 [11.4]	36.0 [10.6]	47.8 [14.0]	45.7 [13.4]	42.4 [12.4]	54.4 [16.0]	52.0 [15.2]	48.3 [14.2]
		Power	3.5	3.5	3.5	3.5	3.5	3.4	3.5	3.5	3.4
	80 [26.7]	Total BTUH [kW]	70.3 [20.6]	69.0 [20.2]	67.1 [19.7]	66.0 [19.3]	64.8 [19.0]	63.0 [18.5]	61.8 [18.1]	60.7 [17.8]	59.0 [17.3]
		Sens BTUH [kW]	39.6 [11.6]	37.8 [11.1]	35.1 [10.3]	46.7 [13.7]	44.7 [13.1]	41.5 [12.2]	53.4 [15.6]	51.0 [15.0]	47.4 [13.9]
		Power	3.7	3.7	3.7	3.7	3.7	3.6	3.7	3.6	3.6
	85 [29.4]	Total BTUH [kW]	68.4 [20.0]	67.1 [19.7]	65.3 [19.1]	64.1 [18.8]	62.9 [18.4]	61.2 [17.9]	59.9 [17.5]	58.8 [17.2]	57.2 [16.7]
		Sens BTUH [kW]	38.5 [11.3]	36.8 [10.8]	34.1 [10.0]	45.7 [13.4]	43.6 [12.8]	40.5 [11.9]	52.3 [15.3]	50.0 [14.6]	46.4 [13.6]
		Power	4.0	3.9	3.9	3.9	3.9	3.8	3.9	3.9	3.8
	90 [32.2]	Total BTUH [kW]	66.4 [19.5]	65.2 [19.1]	63.4 [18.6]	62.1 [18.2]	61.0 [17.9]	59.3 [17.4]	57.9 [17.0]	56.8 [16.7]	55.3 [16.2]
		Sens BTUH [kW]	37.3 [10.9]	35.7 [10.5]	33.1 [9.7]	44.5 [13.1]	42.6 [12.5]	39.5 [11.6]	51.2 [15.0]	48.9 [14.3]	45.4 [13.3]
		Power	4.2	4.1	4.1	4.2	4.1	4.1	4.1	4.1	4.0
	95 [35]	Total BTUH [kW]	64.3 [18.8]	63.2 [18.5]	61.4 [18.0]	60.0 [17.6]	58.9 [17.3]	57.3 [16.8]	55.8 [16.4]	54.8 [16.1]	53.3 [15.6]
		Sens BTUH [kW]	36.2 [10.6]	34.6 [10.1]	32.1 [9.4]	43.4 [12.7]	41.4 [12.1]	38.5 [11.3]	50.0 [14.7]	47.8 [14.0]	44.4 [13.0]
		Power	4.4	4.4	4.3	4.4	4.4	4.3	4.4	4.3	4.3
	100 [37.8]	Total BTUH [kW]	62.1 [18.2]	61.0 [17.9]	59.3 [17.4]	57.9 [17.0]	56.8 [16.7]	55.2 [16.2]	53.6 [15.7]	52.7 [15.4]	51.2 [15.0]
		Sens BTUH [kW]	35.0 [10.3]	33.4 [9.8]	31.0 [9.1]	42.2 [12.4]	40.3 [11.8]	37.4 [11.0]	48.8 [14.3]	46.7 [13.7]	43.3 [12.7]
		Power	4.7	4.7	4.6	4.7	4.6	4.6	4.7	4.6	4.5
	105 [40.6]	Total BTUH [kW]	59.9 [17.5]	58.8 [17.2]	57.2 [16.8]	55.6 [16.3]	54.6 [16.0]	53.1 [15.6]	51.4 [15.1]	50.5 [14.8]	49.1 [14.4]
		Sens BTUH [kW]	33.8 [9.9]	32.3 [9.5]	30.0 [8.8]	41.0 [12.0]	39.1 [11.5]	36.3 [10.6]	47.6 [14.0]	45.5 [13.3]	42.2 [12.4]
		Power	5.0	5.0	4.9	5.0	4.9	4.9	4.9	4.9	4.8
	110 [43.3]	Total BTUH [kW]	57.6 [16.9]	56.5 [16.6]	55.0 [16.1]	53.3 [15.6]	52.3 [15.3]	50.9 [14.9]	49.0 [14.4]	48.2 [14.1]	46.8 [13.7]
		Sens BTUH [kW]	32.5 [9.5]	31.0 [9.1]	28.8 [8.4]	39.7 [11.6]	37.9 [11.1]	35.2 [10.3]	46.3 [13.6]	44.3 [13.0]	41.1 [12.0]
		Power	5.3	5.3	5.2	5.3	5.2	5.2	5.2	5.2	5.1
	115 [46.1]	Total BTUH [kW]	55.1 [16.2]	54.1 [15.9]	52.6 [15.4]	50.8 [14.9]	49.9 [14.6]	48.5 [14.2]	46.6 [13.7]	45.8 [13.4]	44.5 [13.0]
		Sens BTUH [kW]	31.2 [9.1]	29.8 [8.7]	27.7 [8.1]	38.4 [11.2]	36.7 [10.7]	34.0 [10.0]	45.0 [13.2]	43.0 [12.6]	40.0 [11.7]
		Power	5.6	5.6	5.5	5.6	5.5	5.5	5.6	5.5	5.4
	120 [48.9]	Total BTUH [kW]	52.6 [15.4]	51.7 [15.1]	50.2 [14.7]	48.3 [14.2]	47.5 [13.9]	46.1 [13.5]	44.1 [12.9]	43.3 [12.7]	42.1 [12.3]
		Sens BTUH [kW]	29.8 [8.7]	28.5 [8.4]	26.5 [7.8]	37.0 [10.8]	35.4 [10.4]	32.8 [9.6]	43.7 [12.8]	41.7 [12.2]	38.8 [11.4]
		Power	6.0	5.9	5.8	5.9	5.9	5.8	5.9	5.9	5.8
	125 [51.7]	Total BTUH [kW]	50.0 [14.7]	49.1 [14.4]	47.8 [14.0]	45.7 [13.4]	44.9 [13.2]	43.7 [12.8]	41.5 [12.2]	40.8 [11.9]	39.6 [11.6]
		Sens BTUH [kW]	28.5 [8.3]	27.2 [8.0]	25.2 [7.4]	35.6 [10.4]	34.1 [10.0]	31.6 [9.3]	41.5 [12.2]	40.4 [11.8]	37.5 [11.0]
		Power	6.3	6.3	6.2	6.3	6.2	6.2	6.3	6.2	6.1

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)].

[ ] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—TZGE524

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]			990 [467]	900 [425]	760 [359]	990 [467]	900 [425]	760 [359]	990 [467]	900 [425]	760 [359]
DR ①			0.21	0.19	0.15	0.21	0.19	0.15	0.21	0.19	0.15
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	30.9 [9.1]	30.4 [8.9]	29.5 [8.7]	29.1 [8.5]	28.6 [8.4]	27.8 [8.1]	27.5 [8.1]	27.0 [7.9]	26.2 [7.7]
		Sens BTUH [kW]	18.7 [5.5]	17.9 [5.2]	16.6 [4.9]	21.9 [6.4]	20.9 [6.1]	19.4 [5.7]	24.6 [7.2]	23.5 [6.9]	21.8 [6.4]
		Power	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
	80 [26.7]	Total BTUH [kW]	30.0 [8.8]	29.4 [8.6]	28.6 [8.4]	28.1 [8.2]	27.6 [8.1]	26.8 [7.9]	26.5 [7.8]	26.0 [7.6]	25.3 [7.4]
		Sens BTUH [kW]	18.2 [5.3]	17.4 [5.1]	16.1 [4.7]	21.4 [6.3]	20.4 [6.0]	18.9 [5.5]	24.0 [7.0]	23.0 [6.7]	21.3 [6.2]
		Power	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	85 [29.4]	Total BTUH [kW]	29.0 [8.5]	28.5 [8.3]	27.7 [8.1]	27.1 [8.0]	26.7 [7.8]	25.9 [7.6]	25.5 [7.5]	25.1 [7.3]	24.4 [7.1]
		Sens BTUH [kW]	17.6 [5.2]	16.8 [4.9]	15.6 [4.6]	20.8 [6.1]	19.9 [5.8]	18.4 [5.4]	23.5 [6.9]	22.4 [6.6]	20.8 [6.1]
		Power	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	90 [32.2]	Total BTUH [kW]	28.0 [8.2]	27.5 [8.1]	26.7 [7.8]	26.1 [7.7]	25.7 [7.5]	25.0 [7.3]	24.5 [7.2]	24.1 [7.1]	23.4 [6.9]
		Sens BTUH [kW]	17.0 [5.0]	16.3 [4.8]	15.1 [4.4]	20.2 [5.9]	19.3 [5.7]	17.9 [5.3]	22.9 [6.7]	21.9 [6.4]	20.3 [5.9]
		Power	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	95 [35]	Total BTUH [kW]	27.0 [7.9]	26.5 [7.8]	25.7 [7.5]	25.1 [7.4]	24.7 [7.2]	24.0 [7.0]	23.5 [6.9]	23.1 [6.8]	22.4 [6.6]
		Sens BTUH [kW]	16.5 [4.8]	15.7 [4.6]	14.6 [4.3]	19.7 [5.8]	18.8 [5.5]	17.4 [5.1]	22.3 [6.5]	21.3 [6.2]	19.8 [5.8]
		Power	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	100 [37.8]	Total BTUH [kW]	25.9 [7.6]	25.5 [7.5]	24.8 [7.3]	24.1 [7.1]	23.7 [6.9]	23.0 [6.7]	22.5 [6.6]	22.1 [6.5]	21.5 [6.3]
		Sens BTUH [kW]	15.9 [4.6]	15.2 [4.4]	14.1 [4.1]	19.1 [5.6]	18.2 [5.3]	16.9 [5.0]	21.7 [6.4]	20.8 [6.1]	19.2 [5.6]
		Power	2.0	2.0	1.9	2.0	2.0	1.9	2.0	1.9	1.9
	105 [40.6]	Total BTUH [kW]	24.9 [7.3]	24.5 [7.2]	23.8 [7.0]	23.1 [6.8]	22.6 [6.6]	22.0 [6.4]	21.4 [6.3]	21.1 [6.2]	20.5 [6.0]
		Sens BTUH [kW]	15.3 [4.5]	14.6 [4.3]	13.5 [4.0]	18.5 [5.4]	17.7 [5.2]	16.4 [4.8]	21.1 [6.2]	20.2 [5.9]	18.7 [5.5]
		Power	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0
	110 [43.3]	Total BTUH [kW]	23.8 [7.0]	23.4 [6.9]	22.7 [6.7]	22.0 [6.4]	21.6 [6.3]	21.0 [6.1]	20.4 [6.0]	20.0 [5.9]	19.4 [5.7]
		Sens BTUH [kW]	14.7 [4.3]	14.0 [4.1]	13.0 [3.8]	17.9 [5.2]	17.1 [5.0]	15.8 [4.6]	20.4 [6.0]	19.6 [5.7]	18.2 [5.3]
		Power	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	115 [46.1]	Total BTUH [kW]	22.8 [6.7]	22.3 [6.5]	21.7 [6.4]	20.9 [6.1]	20.5 [6.0]	19.9 [5.8]	19.3 [5.7]	18.9 [5.6]	18.4 [5.4]
		Sens BTUH [kW]	14.1 [4.1]	13.4 [3.9]	12.5 [3.6]	17.3 [5.1]	16.5 [4.8]	15.3 [4.5]	19.3 [5.7]	18.9 [5.6]	17.6 [5.2]
		Power	2.4	2.4	2.3	2.4	2.4	2.3	2.4	2.4	2.3
	120 [48.9]	Total BTUH [kW]	21.7 [6.3]	21.3 [6.2]	20.7 [6.1]	19.8 [5.8]	19.5 [5.7]	18.9 [5.5]	18.2 [5.3]	17.9 [5.2]	17.4 [5.1]
		Sens BTUH [kW]	13.4 [3.9]	12.8 [3.8]	11.9 [3.5]	16.6 [4.9]	15.9 [4.7]	14.7 [4.3]	18.2 [5.3]	17.9 [5.2]	17.1 [5.0]
		Power	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	125 [51.7]	Total BTUH [kW]	20.5 [6.0]	20.2 [5.9]	19.6 [5.7]	18.7 [5.5]	18.4 [5.4]	17.8 [5.2]	17.1 [5.0]	16.8 [4.9]	16.3 [4.8]
		Sens BTUH [kW]	12.8 [3.8]	12.2 [3.6]	11.3 [3.3]	16.0 [4.7]	15.3 [4.5]	14.2 [4.2]	17.1 [5.0]	16.8 [4.9]	16.3 [4.8]
		Power	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6

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)].

[ ] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—TZGE530

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]			1070 [505]	975 [460]	830 [392]	1070 [505]	975 [460]	830 [392]	1070 [505]	975 [460]	830 [392]	
DR ①			0.16	0.14	0.1	0.16	0.14	0.1	0.16	0.14	0.1	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	36.8 [10.8]	36.1 [10.6]	35.2 [10.3]	34.3 [10.1]	33.7 [9.9]	32.8 [9.6]	32.4 [9.5]	31.8 [9.3]	31.0 [9.1]	
		Sens BTUH [kW]	21.5 [6.3]	20.5 [6.0]	19.1 [5.6]	25.1 [7.4]	24.0 [7.0]	22.4 [6.6]	28.3 [8.3]	27.1 [7.9]	25.2 [7.4]	
		Power	1.7	1.7	1.6	1.7	1.6	1.6	1.6	1.6	1.6	
	80 [26.7]	Total BTUH [kW]	35.7 [10.5]	35.1 [10.3]	34.2 [10.0]	33.3 [9.7]	32.7 [9.6]	31.8 [9.3]	31.3 [9.2]	30.8 [9.0]	30.0 [8.8]	
		Sens BTUH [kW]	21.0 [6.1]	20.1 [5.9]	18.7 [5.5]	24.7 [7.2]	23.6 [6.9]	21.9 [6.4]	27.8 [8.2]	26.6 [7.8]	24.8 [7.3]	
		Power	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	
	85 [29.4]	Total BTUH [kW]	34.7 [10.2]	34.1 [10.0]	33.2 [9.7]	32.2 [9.4]	31.7 [9.3]	30.8 [9.0]	30.3 [8.9]	29.8 [8.7]	29.0 [8.5]	
		Sens BTUH [kW]	20.5 [6.0]	19.6 [5.7]	18.2 [5.3]	24.2 [7.1]	23.1 [6.8]	21.5 [6.3]	27.4 [8.0]	26.2 [7.7]	24.3 [7.1]	
		Power	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
	90 [32.2]	Total BTUH [kW]	33.7 [9.9]	33.1 [9.7]	32.2 [9.4]	31.2 [9.1]	30.6 [9.0]	29.8 [8.7]	29.2 [8.6]	28.7 [8.4]	28.0 [8.2]	
		Sens BTUH [kW]	20.0 [5.9]	19.1 [5.6]	17.8 [5.2]	23.6 [6.9]	22.6 [6.6]	21.0 [6.2]	26.8 [7.9]	25.7 [7.5]	23.9 [7.0]	
		Power	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	
	95 [35]	Total BTUH [kW]	32.6 [9.5]	32.0 [9.4]	31.2 [9.1]	30.1 [8.8]	29.6 [8.7]	28.8 [8.4]	28.2 [8.3]	27.7 [8.1]	26.9 [7.9]	
		Sens BTUH [kW]	19.4 [5.7]	18.6 [5.4]	17.3 [5.1]	23.1 [6.8]	22.1 [6.5]	20.5 [6.0]	26.3 [7.7]	25.1 [7.4]	23.4 [6.9]	
		Power	2.1	2.1	2.0	2.1	2.0	2.0	2.0	2.0	2.0	
	100 [37.8]	Total BTUH [kW]	31.5 [9.2]	31.0 [9.1]	30.1 [8.8]	29.0 [8.5]	28.5 [8.4]	27.7 [8.1]	27.1 [7.9]	26.6 [7.8]	25.9 [7.6]	
		Sens BTUH [kW]	18.8 [5.5]	18.0 [5.3]	16.8 [4.9]	22.5 [6.6]	21.5 [6.3]	20.0 [5.9]	25.7 [7.5]	24.6 [7.2]	22.9 [6.7]	
		Power	2.2	2.2	2.1	2.2	2.2	2.1	2.2	2.1	2.1	
	105 [40.6]	Total BTUH [kW]	30.4 [8.9]	29.9 [8.8]	29.1 [8.5]	27.9 [8.2]	27.4 [8.0]	26.7 [7.8]	26.0 [7.6]	25.6 [7.5]	24.9 [7.3]	
		Sens BTUH [kW]	18.2 [5.3]	17.4 [5.1]	16.2 [4.8]	21.9 [6.4]	20.9 [6.1]	19.5 [5.7]	25.1 [7.4]	24.0 [7.0]	22.3 [6.5]	
		Power	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	
	110 [43.3]	Total BTUH [kW]	29.3 [8.6]	28.8 [8.4]	28.0 [8.2]	26.8 [7.9]	26.4 [7.7]	25.6 [7.5]	24.9 [7.3]	24.5 [7.2]	23.8 [7.0]	
		Sens BTUH [kW]	17.6 [5.2]	16.8 [4.9]	15.7 [4.6]	21.3 [6.2]	20.3 [6.0]	18.9 [5.5]	24.4 [7.2]	23.4 [6.9]	21.8 [6.4]	
		Power	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	
	115 [46.1]	Total BTUH [kW]	28.2 [8.3]	27.7 [8.1]	27.0 [7.9]	25.7 [7.5]	25.3 [7.4]	24.6 [7.2]	23.8 [7.0]	23.4 [6.8]	22.7 [6.7]	
		Sens BTUH [kW]	16.9 [5.0]	16.2 [4.7]	15.1 [4.4]	20.6 [6.0]	19.7 [5.8]	18.3 [5.4]	23.8 [7.0]	22.7 [6.7]	21.2 [6.2]	
		Power	2.6	2.6	2.5	2.6	2.6	2.5	2.6	2.6	2.5	
	120 [48.9]	Total BTUH [kW]	27.1 [7.9]	26.6 [7.8]	25.9 [7.6]	24.6 [7.2]	24.2 [7.1]	23.5 [6.9]	22.7 [6.6]	22.3 [6.5]	21.7 [6.3]	
		Sens BTUH [kW]	16.2 [4.8]	15.5 [4.5]	14.4 [4.2]	19.9 [5.8]	19.0 [5.6]	17.7 [5.2]	22.7 [6.6]	22.1 [6.5]	20.5 [6.0]	
		Power	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	
	125 [51.7]	Total BTUH [kW]	25.9 [7.6]	25.5 [7.5]	24.8 [7.3]	23.4 [6.9]	23.0 [6.7]	22.4 [6.6]	21.5 [6.3]	21.1 [6.2]	20.6 [6.0]	
		Sens BTUH [kW]	15.5 [4.5]	14.8 [4.3]	13.8 [4.0]	19.2 [5.6]	18.3 [5.4]	17.1 [5.0]	21.5 [6.3]	21.1 [6.2]	19.9 [5.8]	
		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)].

[ ] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—TZGE536

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]			1320 [623]	1200 [566]	1020 [481]	1320 [623]	1200 [566]	1020 [481]	1320 [623]	1200 [566]	1020 [481]	
DR ①			0.19	0.18	0.15	0.19	0.18	0.15	0.19	0.18	0.15	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	44.8 [13.1]	44.0 [12.9]	42.8 [12.5]	41.9 [12.3]	41.1 [12.1]	40.0 [11.7]	38.9 [11.4]	38.2 [11.2]	37.2 [10.9]	
		Sens BTUH [kW]	26.2 [7.7]	25.0 [7.3]	23.3 [6.8]	30.6 [9.0]	29.2 [8.6]	27.2 [8.0]	33.9 [9.9]	32.4 [9.5]	30.1 [8.8]	
		Power	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	
	80 [26.7]	Total BTUH [kW]	43.5 [12.8]	42.7 [12.5]	41.6 [12.2]	40.6 [11.9]	39.9 [11.7]	38.8 [11.4]	37.6 [11.0]	36.9 [10.8]	35.9 [10.5]	
		Sens BTUH [kW]	25.4 [7.5]	24.3 [7.1]	22.6 [6.6]	29.9 [8.7]	28.5 [8.4]	26.5 [7.8]	33.2 [9.7]	31.7 [9.3]	29.5 [8.6]	
		Power	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	
	85 [29.4]	Total BTUH [kW]	42.2 [12.4]	41.4 [12.1]	40.3 [11.8]	39.3 [11.5]	38.6 [11.3]	37.5 [11.0]	36.3 [10.6]	35.6 [10.4]	34.6 [10.2]	
		Sens BTUH [kW]	24.7 [7.2]	23.6 [6.9]	21.9 [6.4]	29.1 [8.5]	27.8 [8.1]	25.9 [7.6]	32.4 [9.5]	31.0 [9.1]	28.8 [8.4]	
		Power	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	
	90 [32.2]	Total BTUH [kW]	40.9 [12.0]	40.1 [11.8]	39.0 [11.4]	37.9 [11.1]	37.2 [10.9]	36.2 [10.6]	34.9 [10.2]	34.3 [10.1]	33.4 [9.8]	
		Sens BTUH [kW]	23.9 [7.0]	22.9 [6.7]	21.3 [6.2]	28.3 [8.3]	27.1 [7.9]	25.2 [7.4]	31.6 [9.3]	30.2 [8.9]	28.1 [8.2]	
		Power	2.4	2.4	2.3	2.4	2.4	2.3	2.4	2.3	2.3	
	95 [35]	Total BTUH [kW]	39.5 [11.6]	38.8 [11.4]	37.7 [11.1]	36.6 [10.7]	35.9 [10.5]	34.9 [10.2]	33.6 [9.8]	33.0 [9.7]	32.1 [9.4]	
		Sens BTUH [kW]	23.1 [6.8]	22.1 [6.5]	20.6 [6.0]	27.5 [8.1]	26.3 [7.7]	24.5 [7.2]	30.9 [9.0]	29.5 [8.6]	27.4 [8.0]	
		Power	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
	100 [37.8]	Total BTUH [kW]	38.1 [11.2]	37.5 [11.0]	36.4 [10.7]	35.2 [10.3]	34.6 [10.1]	33.6 [9.9]	32.2 [9.4]	31.6 [9.3]	30.8 [9.0]	
		Sens BTUH [kW]	22.3 [6.5]	21.3 [6.3]	19.9 [5.8]	26.7 [7.8]	25.6 [7.5]	23.8 [7.0]	30.1 [8.8]	28.7 [8.4]	26.7 [7.8]	
		Power	2.7	2.7	2.6	2.7	2.7	2.6	2.7	2.6	2.6	
	105 [40.6]	Total BTUH [kW]	36.8 [10.8]	36.1 [10.6]	35.1 [10.3]	33.8 [9.9]	33.2 [9.7]	32.3 [9.5]	30.8 [9.0]	30.3 [8.9]	29.5 [8.6]	
		Sens BTUH [kW]	21.5 [6.3]	20.6 [6.0]	19.1 [5.6]	25.9 [7.6]	24.8 [7.3]	23.0 [6.7]	29.2 [8.6]	27.9 [8.2]	26.0 [7.6]	
		Power	2.9	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	
	110 [43.3]	Total BTUH [kW]	35.4 [10.4]	34.7 [10.2]	33.8 [9.9]	32.4 [9.5]	31.9 [9.3]	31.0 [9.1]	29.4 [8.6]	28.9 [8.5]	28.1 [8.2]	
		Sens BTUH [kW]	20.7 [6.1]	19.8 [5.8]	18.4 [5.4]	25.1 [7.4]	24.0 [7.0]	22.3 [6.5]	28.4 [8.3]	27.1 [8.0]	25.2 [7.4]	
		Power	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	
	115 [46.1]	Total BTUH [kW]	34.0 [10.0]	33.4 [9.8]	32.4 [9.5]	31.0 [9.1]	30.5 [8.9]	29.6 [8.7]	28.0 [8.2]	27.5 [8.1]	26.8 [7.8]	
		Sens BTUH [kW]	19.8 [5.8]	18.9 [5.5]	17.6 [5.2]	24.2 [7.1]	23.1 [6.8]	21.5 [6.3]	27.5 [8.1]	26.3 [7.7]	24.5 [7.2]	
		Power	3.2	3.2	3.2	3.2	3.2	3.1	3.2	3.2	3.1	
	120 [48.9]	Total BTUH [kW]	32.5 [9.5]	32.0 [9.4]	31.1 [9.1]	29.6 [8.7]	29.1 [8.5]	28.3 [8.3]	26.6 [7.8]	26.1 [7.7]	25.4 [7.4]	
		Sens BTUH [kW]	18.9 [5.6]	18.1 [5.3]	16.8 [4.9]	23.3 [6.8]	22.3 [6.5]	20.7 [6.1]	26.6 [7.8]	25.5 [7.5]	23.7 [6.9]	
		Power	3.4	3.4	3.4	3.4	3.4	3.3	3.4	3.4	3.3	
	125 [51.7]	Total BTUH [kW]	31.1 [9.1]	30.5 [9.0]	29.7 [8.7]	28.2 [8.3]	27.7 [8.1]	26.9 [7.9]	25.2 [7.4]	24.7 [7.2]	24.1 [7.0]	
		Sens BTUH [kW]	18.0 [5.3]	17.2 [5.1]	16.0 [4.7]	22.4 [6.6]	21.4 [6.3]	19.9 [5.8]	25.2 [7.4]	24.6 [7.2]	22.9 [6.7]	
		Power	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	

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)].

[ ] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—TZGE542

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]			1430 [675]	1300 [614]	1100 [519]	1430 [675]	1300 [614]	1100 [519]	1430 [675]	1300 [614]	1100 [519]	
DR ①			0.17	0.16	0.13	0.17	0.16	0.13	0.17	0.16	0.13	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	50.1 [14.7]	49.2 [14.4]	47.8 [14.0]	47.2 [13.8]	46.4 [13.6]	45.1 [13.2]	44.7 [13.1]	43.9 [12.9]	42.7 [12.5]	
		Sens BTUH [kW]	28.6 [8.4]	27.3 [8.0]	25.3 [7.4]	33.9 [9.9]	32.4 [9.5]	30.0 [8.8]	38.8 [11.4]	37.1 [10.9]	34.4 [10.1]	
		Power	2.4	2.3	2.3	2.4	2.3	2.3	2.3	2.3	2.3	
	80 [26.7]	Total BTUH [kW]	48.8 [14.3]	47.9 [14.0]	46.6 [13.6]	45.9 [13.5]	45.1 [13.2]	43.8 [12.8]	43.4 [12.7]	42.6 [12.5]	41.5 [12.1]	
		Sens BTUH [kW]	27.9 [8.2]	26.7 [7.8]	24.8 [7.3]	33.2 [9.7]	31.8 [9.3]	29.5 [8.6]	38.1 [11.2]	36.4 [10.7]	33.8 [9.9]	
		Power	2.5	2.5	2.5	2.5	2.5	2.4	2.5	2.5	2.4	
	85 [29.4]	Total BTUH [kW]	47.4 [13.9]	46.6 [13.7]	45.3 [13.3]	44.6 [13.1]	43.8 [12.8]	42.6 [12.5]	42.1 [12.3]	41.3 [12.1]	40.2 [11.8]	
		Sens BTUH [kW]	27.2 [8.0]	26.0 [7.6]	24.2 [7.1]	32.6 [9.5]	31.1 [9.1]	28.9 [8.5]	37.5 [11.0]	35.8 [10.5]	33.2 [9.7]	
		Power	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	
	90 [32.2]	Total BTUH [kW]	46.1 [13.5]	45.3 [13.3]	44.0 [12.9]	43.2 [12.7]	42.5 [12.4]	41.3 [12.1]	40.7 [11.9]	40.0 [11.7]	38.9 [11.4]	
		Sens BTUH [kW]	26.5 [7.8]	25.3 [7.4]	23.5 [6.9]	31.8 [9.3]	30.4 [8.9]	28.2 [8.3]	36.8 [10.8]	35.1 [10.3]	32.6 [9.6]	
		Power	2.8	2.8	2.8	2.8	2.8	2.7	2.8	2.8	2.7	
	95 [35]	Total BTUH [kW]	44.7 [13.1]	43.9 [12.9]	42.7 [12.5]	41.8 [12.3]	41.1 [12.0]	39.9 [11.7]	39.3 [11.5]	38.6 [11.3]	37.5 [11.0]	
		Sens BTUH [kW]	25.8 [7.6]	24.6 [7.2]	22.9 [6.7]	31.1 [9.1]	29.7 [8.7]	27.6 [8.1]	36.0 [10.5]	34.4 [10.1]	31.9 [9.4]	
		Power	3.0	3.0	2.9	3.0	3.0	2.9	3.0	2.9	2.9	
	100 [37.8]	Total BTUH [kW]	43.3 [12.7]	42.5 [12.4]	41.3 [12.1]	40.4 [11.8]	39.7 [11.6]	38.6 [11.3]	37.9 [11.1]	37.2 [10.9]	36.2 [10.6]	
		Sens BTUH [kW]	25.0 [7.3]	23.9 [7.0]	22.1 [6.5]	30.3 [8.9]	28.9 [8.5]	26.9 [7.9]	35.2 [10.3]	33.6 [9.9]	31.2 [9.1]	
		Power	3.2	3.2	3.1	3.2	3.1	3.1	3.2	3.1	3.1	
	105 [40.6]	Total BTUH [kW]	41.8 [12.2]	41.0 [12.0]	39.9 [11.7]	38.9 [11.4]	38.2 [11.2]	37.2 [10.9]	36.4 [10.7]	35.8 [10.5]	34.8 [10.2]	
		Sens BTUH [kW]	24.1 [7.1]	23.1 [6.8]	21.4 [6.3]	29.4 [8.6]	28.1 [8.2]	26.1 [7.7]	34.4 [10.1]	32.8 [9.6]	30.5 [8.9]	
		Power	3.4	3.4	3.3	3.4	3.3	3.3	3.4	3.3	3.3	
	110 [43.3]	Total BTUH [kW]	40.3 [11.8]	39.6 [11.6]	38.5 [11.3]	37.4 [11.0]	36.8 [10.8]	35.7 [10.5]	34.9 [10.2]	34.3 [10.1]	33.3 [9.8]	
		Sens BTUH [kW]	23.3 [6.8]	22.2 [6.5]	20.6 [6.0]	28.6 [8.4]	27.3 [8.0]	25.3 [7.4]	33.5 [9.8]	32.0 [9.4]	29.7 [8.7]	
		Power	3.6	3.6	3.5	3.6	3.5	3.5	3.6	3.5	3.5	
	115 [46.1]	Total BTUH [kW]	38.7 [11.4]	38.0 [11.1]	37.0 [10.8]	35.9 [10.5]	35.3 [10.3]	34.3 [10.0]	33.4 [9.8]	32.8 [9.6]	31.9 [9.3]	
		Sens BTUH [kW]	22.3 [6.5]	21.4 [6.3]	19.8 [5.8]	27.7 [8.1]	26.4 [7.7]	24.5 [7.2]	32.6 [9.5]	31.1 [9.1]	28.9 [8.5]	
		Power	3.8	3.8	3.7	3.8	3.8	3.7	3.8	3.7	3.7	
	120 [48.9]	Total BTUH [kW]	37.2 [10.9]	36.5 [10.7]	35.5 [10.4]	34.3 [10.1]	33.7 [9.9]	32.8 [9.6]	31.8 [9.3]	31.2 [9.2]	30.4 [8.9]	
		Sens BTUH [kW]	21.4 [6.3]	20.4 [6.0]	19.0 [5.6]	26.7 [7.8]	25.5 [7.5]	23.7 [6.9]	31.6 [9.3]	30.2 [8.9]	28.0 [8.2]	
		Power	4.0	4.0	3.9	4.0	4.0	3.9	4.0	4.0	3.9	
	125 [51.7]	Total BTUH [kW]	35.6 [10.4]	34.9 [10.2]	33.9 [9.9]	32.7 [9.6]	32.1 [9.4]	31.2 [9.2]	30.2 [8.8]	29.7 [8.7]	28.8 [8.4]	
		Sens BTUH [kW]	20.4 [6.0]	19.5 [5.7]	18.1 [5.3]	25.7 [7.5]	24.6 [7.2]	22.8 [6.7]	30.2 [8.8]	29.3 [8.6]	27.2 [8.0]	
		Power	4.3	4.2	4.2	4.3	4.2	4.2	4.2	4.2	4.1	

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)].

[ ] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA—TZGE548

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]			1700 [802]	1550 [732]	1320 [623]	1700 [802]	1550 [732]	1320 [623]	1700 [802]	1550 [732]	1320 [623]	
DR ①			0.19	0.18	0.15	0.19	0.18	0.15	0.19	0.18	0.15	
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	58.3 [17.1]	57.3 [16.8]	55.8 [16.3]	54.6 [16.0]	53.7 [15.7]	52.2 [15.3]	51.6 [15.1]	50.7 [14.9]	49.3 [14.5]	
		Sens BTUH [kW]	33.2 [9.7]	31.8 [9.3]	29.6 [8.7]	39.2 [11.5]	37.5 [11.0]	34.9 [10.2]	44.7 [13.1]	42.8 [12.5]	39.8 [11.7]	
		Power	2.7	2.6	2.6	2.7	2.6	2.6	2.6	2.6	2.6	
	80 [26.7]	Total BTUH [kW]	56.8 [16.7]	55.8 [16.4]	54.3 [15.9]	53.1 [15.6]	52.2 [15.3]	50.8 [14.9]	50.1 [14.7]	49.2 [14.4]	47.9 [14.0]	
		Sens BTUH [kW]	32.5 [9.5]	31.1 [9.1]	28.9 [8.5]	38.5 [11.3]	36.8 [10.8]	34.3 [10.0]	44.0 [12.9]	42.1 [12.3]	39.2 [11.5]	
		Power	2.8	2.8	2.8	2.8	2.8	2.7	2.8	2.8	2.7	
	85 [29.4]	Total BTUH [kW]	55.3 [16.2]	54.3 [15.9]	52.8 [15.5]	51.5 [15.1]	50.6 [14.8]	49.3 [14.4]	48.5 [14.2]	47.7 [14.0]	46.4 [13.6]	
		Sens BTUH [kW]	31.7 [9.3]	30.3 [8.9]	28.2 [8.3]	37.7 [11.0]	36.0 [10.6]	33.6 [9.8]	43.2 [12.7]	41.3 [12.1]	38.4 [11.3]	
		Power	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	
	90 [32.2]	Total BTUH [kW]	53.6 [15.7]	52.7 [15.4]	51.3 [15.0]	49.9 [14.6]	49.0 [14.4]	47.7 [14.0]	46.9 [13.7]	46.1 [13.5]	44.8 [13.1]	
		Sens BTUH [kW]	30.8 [9.0]	29.5 [8.6]	27.4 [8.0]	36.8 [10.8]	35.2 [10.3]	32.8 [9.6]	42.3 [12.4]	40.5 [11.9]	37.7 [11.0]	
		Power	3.1	3.1	3.1	3.1	3.1	3.0	3.1	3.1	3.0	
	95 [35]	Total BTUH [kW]	51.9 [15.2]	51.0 [14.9]	49.6 [14.5]	48.2 [14.1]	47.3 [13.9]	46.1 [13.5]	45.2 [13.2]	44.4 [13.0]	43.2 [12.7]	
		Sens BTUH [kW]	29.9 [8.8]	28.6 [8.4]	26.6 [7.8]	35.9 [10.5]	34.3 [10.1]	32.0 [9.4]	41.4 [12.1]	39.6 [11.6]	36.8 [10.8]	
		Power	3.3	3.3	3.2	3.3	3.3	3.2	3.3	3.3	3.2	
	100 [37.8]	Total BTUH [kW]	50.1 [14.7]	49.2 [14.4]	47.9 [14.0]	46.4 [13.6]	45.6 [13.4]	44.3 [13.0]	43.4 [12.7]	42.6 [12.5]	41.5 [12.2]	
		Sens BTUH [kW]	28.9 [8.5]	27.6 [8.1]	25.7 [7.5]	34.9 [10.2]	33.4 [9.8]	31.1 [9.1]	40.4 [11.8]	38.6 [11.3]	36.0 [10.5]	
		Power	3.5	3.5	3.4	3.5	3.5	3.4	3.5	3.4	3.4	
	105 [40.6]	Total BTUH [kW]	48.2 [14.1]	47.4 [13.9]	46.1 [13.5]	44.5 [13.0]	43.7 [12.8]	42.6 [12.5]	41.5 [12.2]	40.8 [12.0]	39.7 [11.6]	
		Sens BTUH [kW]	27.8 [8.2]	26.6 [7.8]	24.8 [7.3]	33.8 [9.9]	32.4 [9.5]	30.1 [8.8]	39.3 [11.5]	37.6 [11.0]	35.0 [10.3]	
		Power	3.7	3.7	3.6	3.7	3.7	3.6	3.7	3.7	3.6	
	110 [43.3]	Total BTUH [kW]	46.3 [13.6]	45.5 [13.3]	44.3 [13.0]	42.6 [12.5]	41.9 [12.3]	40.7 [11.9]	39.6 [11.6]	38.9 [11.4]	37.9 [11.1]	
		Sens BTUH [kW]	26.7 [7.8]	25.6 [7.5]	23.8 [7.0]	32.7 [9.6]	31.3 [9.2]	29.1 [8.5]	38.2 [11.2]	36.6 [10.7]	34.0 [10.0]	
		Power	3.9	3.9	3.9	3.9	3.9	3.8	3.9	3.9	3.8	
	115 [46.1]	Total BTUH [kW]	44.3 [13.0]	43.5 [12.8]	42.4 [12.4]	40.6 [11.9]	39.9 [11.7]	38.8 [11.4]	37.6 [11.0]	36.9 [10.8]	35.9 [10.5]	
		Sens BTUH [kW]	25.5 [7.5]	24.4 [7.2]	22.7 [6.7]	31.6 [9.2]	30.2 [8.8]	28.1 [8.2]	37.1 [10.9]	35.5 [10.4]	33.0 [9.7]	
		Power	4.2	4.2	4.1	4.2	4.1	4.1	4.2	4.1	4.1	
	120 [48.9]	Total BTUH [kW]	42.2 [12.4]	41.5 [12.2]	40.4 [11.8]	38.5 [11.3]	37.9 [11.1]	36.8 [10.8]	35.5 [10.4]	34.9 [10.2]	34.0 [10.0]	
		Sens BTUH [kW]	24.3 [7.1]	23.3 [6.8]	21.7 [6.3]	30.3 [8.9]	29.0 [8.5]	27.0 [7.9]	35.5 [10.4]	34.3 [10.0]	31.9 [9.3]	
		Power	4.4	4.4	4.3	4.4	4.4	4.3	4.4	4.4	4.3	
	125 [51.7]	Total BTUH [kW]	40.1 [11.8]	39.4 [11.5]	38.3 [11.2]	36.4 [10.7]	35.7 [10.5]	34.8 [10.2]	33.4 [9.8]	32.8 [9.6]	31.9 [9.4]	
		Sens BTUH [kW]	23.0 [6.7]	22.0 [6.5]	20.5 [6.0]	29.0 [8.5]	27.8 [8.1]	25.9 [7.6]	33.4 [9.8]	32.8 [9.6]	30.8 [9.0]	
		Power	4.7	4.7	4.6	4.7	4.6	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)].

[ ] Designates Metric Conversions

GROSS SYSTEMS PERFORMANCE DATA— TZGE560

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]			2040 [963]	1850 [873]	1570 [741]	2040 [963]	1850 [873]	1570 [741]	2040 [963]	1850 [873]	1570 [741]
DR ①			0.15	0.14	0.11	0.15	0.14	0.11	0.15	0.14	0.11
OUTDOOR DRY BULB TEMPERATURE °F [°C]	75 [23.9]	Total BTUH [kW]	73.0 [21.4]	71.7 [21.0]	69.7 [20.4]	69.2 [20.3]	67.9 [19.9]	66.0 [19.3]	65.8 [19.3]	64.6 [18.9]	62.8 [18.4]
		Sens BTUH [kW]	42.4 [12.4]	40.5 [11.9]	37.6 [11.0]	50.0 [14.6]	47.7 [14.0]	44.3 [13.0]	56.9 [16.7]	54.3 [15.9]	50.5 [14.8]
		Power	3.6	3.6	3.5	3.6	3.5	3.5	3.5	3.5	3.4
	80 [26.7]	Total BTUH [kW]	70.9 [20.8]	69.6 [20.4]	67.7 [19.8]	67.1 [19.6]	65.8 [19.3]	64.0 [18.8]	63.7 [18.7]	62.5 [18.3]	60.8 [17.8]
		Sens BTUH [kW]	41.3 [12.1]	39.4 [11.6]	36.6 [10.7]	48.8 [14.3]	46.6 [13.7]	43.3 [12.7]	55.8 [16.4]	53.2 [15.6]	49.5 [14.5]
		Power	3.8	3.7	3.7	3.7	3.7	3.6	3.7	3.7	3.6
	85 [29.4]	Total BTUH [kW]	68.8 [20.2]	67.6 [19.8]	65.7 [19.3]	64.9 [19.0]	63.7 [18.7]	62.0 [18.2]	61.5 [18.0]	60.4 [17.7]	58.8 [17.2]
		Sens BTUH [kW]	40.1 [11.8]	38.3 [11.2]	35.6 [10.4]	47.7 [14.0]	45.5 [13.3]	42.3 [12.4]	54.6 [16.0]	52.1 [15.3]	48.5 [14.2]
		Power	4.0	3.9	3.9	3.9	3.9	3.8	3.9	3.8	3.8
	90 [32.2]	Total BTUH [kW]	66.7 [19.5]	65.4 [19.2]	63.6 [18.6]	62.8 [18.4]	61.6 [18.1]	59.9 [17.6]	59.4 [17.4]	58.3 [17.1]	56.7 [16.6]
		Sens BTUH [kW]	38.9 [11.4]	37.2 [10.9]	34.5 [10.1]	46.5 [13.6]	44.3 [13.0]	41.2 [12.1]	53.4 [15.7]	51.0 [14.9]	47.4 [13.9]
		Power	4.2	4.1	4.1	4.1	4.1	4.0	4.1	4.0	4.0
	95 [35]	Total BTUH [kW]	64.5 [18.9]	63.3 [18.5]	61.5 [18.0]	60.6 [17.7]	59.5 [17.4]	57.8 [16.9]	57.2 [16.8]	56.1 [16.5]	54.6 [16.0]
		Sens BTUH [kW]	37.7 [11.0]	36.0 [10.5]	33.4 [9.8]	45.2 [13.3]	43.2 [12.6]	40.1 [11.8]	52.2 [15.3]	49.8 [14.6]	46.3 [13.6]
		Power	4.4	4.3	4.3	4.3	4.3	4.2	4.3	4.3	4.2
	100 [37.8]	Total BTUH [kW]	62.2 [18.2]	61.1 [17.9]	59.4 [17.4]	58.3 [17.1]	57.3 [16.8]	55.7 [16.3]	55.0 [16.1]	54.0 [15.8]	52.5 [15.4]
		Sens BTUH [kW]	36.4 [10.7]	34.7 [10.2]	32.3 [9.5]	43.9 [12.9]	41.9 [12.3]	39.0 [11.4]	50.9 [14.9]	48.6 [14.2]	45.1 [13.2]
		Power	4.6	4.6	4.5	4.6	4.5	4.5	4.5	4.5	4.4
	105 [40.6]	Total BTUH [kW]	60.0 [17.6]	58.9 [17.3]	57.3 [16.8]	56.1 [16.4]	55.1 [16.1]	53.5 [15.7]	52.7 [15.4]	51.8 [15.2]	50.3 [14.7]
		Sens BTUH [kW]	35.1 [10.3]	33.5 [9.8]	31.1 [9.1]	42.6 [12.5]	40.7 [11.9]	37.8 [11.1]	49.6 [14.5]	47.3 [13.9]	44.0 [12.9]
		Power	4.9	4.8	4.8	4.8	4.8	4.7	4.8	4.8	4.7
	110 [43.3]	Total BTUH [kW]	57.7 [16.9]	56.6 [16.6]	55.1 [16.1]	53.8 [15.8]	52.8 [15.5]	51.4 [15.1]	50.4 [14.8]	49.5 [14.5]	48.1 [14.1]
		Sens BTUH [kW]	33.7 [9.9]	32.2 [9.4]	29.9 [8.8]	41.2 [12.1]	39.3 [11.5]	36.6 [10.7]	48.2 [14.1]	46.0 [13.5]	42.7 [12.5]
		Power	5.2	5.1	5.0	5.1	5.1	5.0	5.1	5.0	5.0
	115 [46.1]	Total BTUH [kW]	55.4 [16.2]	54.4 [15.9]	52.9 [15.5]	51.5 [15.1]	50.5 [14.8]	49.2 [14.4]	48.1 [14.1]	47.2 [13.8]	45.9 [13.5]
		Sens BTUH [kW]	32.3 [9.5]	30.8 [9.0]	28.6 [8.4]	39.8 [11.7]	38.0 [11.1]	35.3 [10.3]	46.8 [13.7]	44.6 [13.1]	41.5 [12.2]
		Power	5.4	5.4	5.3	5.4	5.4	5.3	5.4	5.3	5.2
	120 [48.9]	Total BTUH [kW]	53.0 [15.5]	52.1 [15.3]	50.6 [14.8]	49.1 [14.4]	48.2 [14.1]	46.9 [13.7]	45.8 [13.4]	44.9 [13.2]	43.7 [12.8]
		Sens BTUH [kW]	30.8 [9.0]	29.4 [8.6]	27.3 [8.0]	38.4 [11.2]	36.6 [10.7]	34.0 [10.0]	45.3 [13.3]	43.2 [12.7]	40.2 [11.8]
		Power	5.8	5.7	5.6	5.7	5.7	5.6	5.7	5.6	5.5
	125 [51.7]	Total BTUH [kW]	50.7 [14.8]	49.7 [14.6]	48.4 [14.2]	46.8 [13.7]	45.9 [13.5]	44.6 [13.1]	43.4 [12.7]	42.6 [12.5]	41.4 [12.1]
		Sens BTUH [kW]	29.3 [8.6]	28.0 [8.2]	26.0 [7.6]	36.9 [10.8]	35.2 [10.3]	32.7 [9.6]	43.4 [12.7]	41.8 [12.3]	38.9 [11.4]
		Power	6.1	6.0	6.0	6.0	6.0	5.9	6.0	6.0	5.9

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)].

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE TZGE4 - 208 VOLTS

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Heating Input BTU/HR [kW]	Manufacturer Recommended Cooling Airflow (Min/Max)	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed / Tap		External Static Pressure - Inches W.C. [kPa] (Side Discharge-Dry Coil)									
	Cool	Heat						0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]	0.9 [.22]	1.0 [.25]
2.0 [7.03]	High	High	40,000 [11.72]	700 CFM / 950 CFM	9x7 Blower 1/4 HP [186] 2 Speed (PSC Motor)	Low	CFM	706 [333]	685 [323]	661 [312]	614 [290]	523 [247]	437 [206]	334 [158]			
							RPM	844	886	943	989	1036	1067	1095			
							Watts	202	193	182	169	151	135	120			
		High	60,000 [17.58]			High	CFM	925 [437]	874 [412]	813 [384]	763 [360]	681 [321]	534 [252]	441 [208]			
							RPM	1004	1027	1058	1070	1091	1116	1128			
							Watts	253	238	220	210	192	167	155			
2.5 [8.79]	Low	Low	60,000 [17.58]	850 CFM / 1150 CFM	10x9 Blower 1/2 HP [372] 3 Speed (PSC Motor)	Low	CFM	967 [456]	947 [447]	892 [421]	813 [384]	740 [349]	681 [321]	613 [289]	504 [238]		
							RPM	819	876	916	966	995	1018	1040	1066		
							Watts	339	322	302	279	261	246	230	205		
						Med	CFM	1119 [528]	1081 [510]	1029 [486]	968 [457]	851 [402]	774 [365]	699 [330]	613 [289]		
							RPM	891	930	965	995	1026	1047	1059	1078		
							Watts	391	375	354	330	297	278	263	241		
		High	80,000 [23.45]			High	CFM	1311 [619]	1249 [589]	1168 [551]	1089 [514]	985 [465]	861 [406]	779 [368]	699 [330]		
							RPM	1010	1031	1046	1066	1080	1095	1106	1113		
							Watts	458	437	409	387	360	332	314	300		
3.0 [10.55]	High	Low	60,000 [17.58]	1000 CFM / 1400 CFM	12x9T Blower 1/2 HP [372] 2 Speed (PSC Motor)	Low	CFM	1163 [549]	1115 [526]	1075 [507]	1012 [478]	926 [437]	841 [397]	753 [355]	647 [305]		
							RPM	771	804	844	870	910	932	968	992		
							Watts	392	387	380	367	356	345	330	316		
		High	80,000 [23.45] 100,000 [29.31]			High	CFM	1543 [728]	1484 [700]	1422 [671]	1345 [635]	1251 [590]	1177 [555]	1071 [505]	939 [443]		
							RPM	939	957	975	1345	1251	1177	1037	1051		
							Watts	586	572	555	1345	1251	1177	481	459		
3.5 [12.31]	Tap 5	Tap 2	80,000 [23.45]	1200 CFM / 1600 CFM	12x9T Blower 3/4 HP [559] 5 Speed (Constant Torque)	Tap 1 Unused	CFM	1346 [635]	1304 [615]	1264 [597]	1232 [581]	1185 [559]	1139 [538]	1092 [515]	1048 [495]		
							RPM	819	850	883	906	944	972	1014	1047		
							Watts	291	302	310	319	333	338	353	362		
						Tap 2 80K	CFM	1346 [635]	1304 [615]	1264 [597]	1232 [581]	1185 [559]	1139 [538]	1092 [515]	1048 [495]		
							RPM	819	850	883	906	944	972	1014	1047		
							Watts	291	302	310	319	333	338	353	362		
		Tap 3	100,000 [29.31]			Tap 3 100K	CFM	1411 [666]	1375 [649]	1343 [634]	1315 [621]	1269 [599]	1242 [586]	1203 [568]	1133 [535]		
							RPM	862	886	915	951	975	1011	1025	1074		
							Watts	340	345	356	371	380	393	397	413		
						Tap 4 Low Static Cool	CFM	1346 [635]	1304 [615]	1264 [597]	1232 [581]	1185 [559]	1139 [538]	1092 [515]	1048 [495]		
							RPM	819	850	883	906	944	972	1014	1047		
							Watts	291	302	310	319	333	338	353	362		
						Tap 5 High Static Cool	CFM	1596 [753]	1547 [730]	1520 [717]	1499 [707]	1471 [694]	1421 [671]	1383 [653]	1332 [629]		
							RPM	940	973	988	1020	1038	1068	1102	1122		
							Watts	461	475	484	497	503	516	527	531		

Note: Set 3-1/2 through 5 ton Cool to Tap 4 for AHRI rated performance

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE TZGE4 - 208 VOLTS (continued)

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Heating Input BTU/HR [kW]	Manufacturer Recommended Cooling Airflow (Min/Max)	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed / Tap		External Static Pressure - Inches W.C. [kPa] (Side Discharge-Dry Coil)									
	Cool	Heat						0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]	0.9 [.22]	1.0 [.25]
4.0 [14.07]	Tap 5	Tap 2	80,000 [23.45]	1350 CFM / 1850 CFM	12x9T Blower 3/4 HP [559] 5 Speed (Constant Torque)	Tap 1 Unused	CFM	1367 [645]	1327 [626]	1299 [613]	1248 [589]	1203 [568]	1162 [548]	1127 [532]	1064 [502]	965 [455]	902 [426]
							RPM	744	778	813	843	873	910	938	985	1030	1058
							Watts	247	260	271	277	289	301	311	323	340	347
						Tap 2 80K	CFM	1367 [645]	1327 [626]	1299 [613]	1248 [589]	1203 [568]	1162 [548]	1127 [532]	1064 [502]	965 [455]	902 [426]
							RPM	744	778	813	843	873	910	938	985	1030	1058
							Watts	247	260	271	277	289	301	311	323	340	347
		Tap 3	100,000 [29.31]			Tap 3 100K	CFM	1452 [685]	1402 [662]	1367 [645]	1327 [626]	1283 [606]	1247 [589]	1205 [569]	1183 [558]	1103 [521]	1007 [475]
							RPM	778	808	839	870	895	930	962	993	1035	1078
							Watts	287	295	306	320	324	337	349	360	374	388
						Tap 4 Low Static Cool	CFM	1652 [780]	1621 [765]	1583 [747]	1539 [726]	1512 [714]	1478 [698]	1422 [671]	1408 [665]	1354 [639]	1332 [629]
							RPM	870	895	919	949	969	1000	1032	1049	1071	1107
							Watts	408	423	433	445	455	464	477	483	496	507
						Tap 5 High Static Cool	CFM	1993 [941]	1941 [916]	1890 [892]	1874 [884]	1822 [860]	1755 [828]	1698 [801]	1627 [768]	1552 [732]	1442 [681]
							RPM	988	1021	1035	1064	1087	1103	1113	1121	1131	1142
							Watts	666	681	687	701	706	693	677	654	632	592
5.0 [17.59]	Tap 5	Tap 1	100,000 [29.31]	1600 CFM / 2100 CFM	12x9R Blower 1 HP [746] 5 Speed (Constant Torque)	Tap 1 100K Heat	CFM	1442 [681]	1409 [665]	1344 [634]	1341 [633]	1291 [609]	1227 [579]	1199 [566]	1136 [536]	1065 [503]	1006 [475]
							RPM	823	843	872	883	916	944	968	997	1035	1059
							Watts	318	330	337	341	354	364	373	381	396	404
						Tap 2 Unused	CFM	1235 [583]	1184 [559]	1106 [522]	1078 [509]	1021 [482]	957 [452]	897 [423]	843 [398]	791 [373]	742 [350]
							RPM	733	765	811	828	866	895	929	954	977	1005
							Watts	218	227	242	245	258	266	276	285	287	300
						Tap 3 Low Cool	CFM	1738 [820]	1680 [793]	1663 [785]	1626 [767]	1603 [757]	1554 [733]	1503 [709]	1445 [682]	1432 [676]	1386 [654]
							RPM	933	969	979	1001	1021	1045	1066	1100	1104	1125
							Watts	505	526	529	541	545	562	567	585	586	593
						Tap 4 Med Cool	CFM	1884 [889]	1882 [888]	1841 [869]	1801 [850]	1760 [831]	1680 [793]	1651 [779]	1584 [748]	1508 [712]	1428 [674]
							RPM	999	1014	1048	1064	1072	1105	1121	1131	1142	1147
							Watts	636	646	661	672	675	688	686	678	662	635
						Tap 5 High Cool	CFM	2081 [982]	1969 [929]	2001 [944]	1960 [925]	1896 [895]	1818 [858]	1764 [833]	1664 [785]	1593 [752]	1499 [707]
							RPM	1050	1102	1095	1104	1115	1126	1130	1140	1143	1147
							Watts	790	815	819	813	793	772	749	725	699	663

Note: Set 3-1/2 through 5 ton Cool to Tap 4 for AHRI rated performance

DOWN DISCHARGE PRESSURE DROP (ADD TO EXTERNAL STATIC PRESSURE)							
CFM [L/s]	800 [378]	1000 [472]	1200 [566]	1400 [661]	1600 [755]	1800 [849]	2000 [944]
Pressure Drop—Includes W.C. [kPa]	.02 [.005]	.05 [.012]	.07 [.017]	.1 [.025]	.12 [.030]	.15 [.037]	.17 [.042]

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE TZGE4 - 230 VOLTS

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Heating Input BTU/HR [kW]	Manufacturer Recommended Cooling Airflow (Min/Max)	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed / Tap		External Static Pressure - Inches W.C. [kPa] (Side Discharge-Dry Coil)									
	Cool	Heat						0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]	0.9 [.22]	1.0 [.25]
2.0 [7.03]	High	High	40,000 [11.72]	700 CFM / 950 CFM	9x7 Blower 1/4 HP [186] 2 Speed (PSC Motor)	Low	CFM	822 [388]	789 [372]	750 [354]	696 [328]	624 [294]	496 [234]	402 [190]			
							RPM	917	954	994	1031	1051	1075	1105			
							Watts	226	216	203	188	175	150	136			
		High	60,000 [17.58]			High	CFM	992 [468]	928 [438]	873 [412]	810 [382]	741 [350]	659 [311]	490 [231]			
							RPM	1055	1068	1080	1096	1106	1119	1136			
							Watts	271	256	245	227	214	199	175			
2.5 [8.79]	Low	Low	60,000 [17.58]	850 CFM / 1150 CFM	10x9 Blower 1/2 HP [372] 3 Speed (PSC Motor)	Low	CFM	1093 [516]	1062 [501]	1001 [472]	930 [439]	815 [385]	728 [344]	663 [313]	571 [269]		
							RPM	900	935	969	999	1030	1053	1064	1082		
							Watts	375	358	335	313	283	264	249	229		
						Med	CFM	1239 [585]	1184 [559]	1114 [526]	1043 [492]	959 [453]	827 [390]	744 [351]	657 [310]		
							RPM	961	983	1006	1030	1052	1074	1084	1097		
							Watts	429	409	384	360	334	303	287	266		
		High	80,000 [23.45]			High	CFM	1362 [643]	1292 [610]	1213 [572]	1133 [535]	1027 [485]	872 [412]	800 [378]	700 [330]		
							RPM	1049	1061	1073	1085	1097	1109	1116	1124		
							Watts	500	472	454	427	405	371	360	339		
3.0 [10.55]	High	Low	60,000 [17.58]	1000 CFM / 1400 CFM	12x9T Blower 1/2 HP [372] 2 Speed (PSC Motor)	Low	CFM	1310 [618]	1246 [588]	1186 [560]	1128 [532]	1038 [490]	955 [451]	847 [400]	738 [348]		
							RPM	834	867	895	918	949	971	989	1019		
							Watts	460	447	435	424	407	396	380	362		
		High	80,000 [23.45] 100,000 [29.31]			High	CFM	1644 [776]	1568 [740]	1488 [702]	1421 [671]	1330 [628]	1248 [589]	1133 [535]	1003 [473]		
							RPM	981	996	1009	1421	1330	1248	1058	1072		
							Watts	664	641	620	1421	1330	1248	545	526		
3.5 [12.31]	Tap 5	Tap 2	80,000 [23.45]	1200 CFM / 1600 CFM	12x9T Blower 3/4 HP [559] 5 Speed (Constant Torque)	Tap 1 Unused	CFM	1336 [631]	1312 [619]	1295 [611]	1241 [586]	1200 [566]	1161 [548]	1119 [528]	1072 [506]		
							RPM	827	856	874	913	949	983	1013	1048		
							Watts	298	308	313	325	341	352	361	374		
						Tap 2 80K	CFM	1336 [631]	1312 [619]	1295 [611]	1241 [586]	1200 [566]	1161 [548]	1119 [528]	1072 [506]		
							RPM	827	856	874	913	949	983	1013	1048		
							Watts	298	308	313	325	341	352	361	374		
		Tap 3	100,000 [29.31]			Tap 3 100K	CFM	1453 [686]	1424 [672]	1395 [658]	1347 [636]	1321 [623]	1279 [604]	1250 [590]	1214 [573]		
							RPM	836	867	904	942	953	992	1019	1048		
							Watts	334	349	364	377	380	394	409	418		
						Tap 4 Low Static Cool	CFM	1336 [631]	1312 [619]	1295 [611]	1241 [586]	1200 [566]	1161 [548]	1119 [528]	1072 [506]		
							RPM	827	856	874	913	949	983	1013	1048		
							Watts	298	308	313	325	341	352	361	374		
						Tap 5 High Static Cool	CFM	1591 [751]	1563 [738]	1558 [735]	1519 [717]	1490 [703]	1458 [688]	1410 [665]	1363 [643]		
							RPM	949	981	999	1027	1051	1086	1109	1129		
							Watts	476	490	501	515	527	542	546	543		

Note: Set 3-1/2 through 5 ton Cool to Tap 4 for AHRI rated performance

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE TZGE4 - 230 VOLTS (continued)

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Heating Input BTU/HR [kW]	Manufacturer Recommended Cooling Airflow (Min/Max)	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed / Tap		External Static Pressure - Inches W.C. [kPa] (Side Discharge-Dry Coil)									
	Cool	Heat						0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]	0.9 [.22]	1.0 [.25]
4.0 [14.07]	Tap 5	Tap 2	80,000 [23.45]	1350 CFM / 1850 CFM	12x9T Blower 3/4 HP [559] 5 Speed (Constant Torque)	Tap 1 Unused	CFM	1368 [646]	1331 [628]	1299 [613]	1259 [594]	1221 [576]	1169 [552]	1137 [537]	1079 [509]	997 [471]	920 [434]
							RPM	749	782	813	849	877	911	946	979	1030	1061
							Watts	250	264	275	286	295	308	321	327	346	356
						Tap 2 80K	CFM	1368 [646]	1331 [628]	1299 [613]	1259 [594]	1221 [576]	1169 [552]	1137 [537]	1079 [509]	997 [471]	920 [434]
							RPM	749	782	813	849	877	911	946	979	1030	1061
							Watts	250	264	275	286	295	308	321	327	346	356
		Tap 3	100,000 [29.31]			Tap 3 100K	CFM	1447 [683]	1405 [663]	1372 [648]	1342 [633]	1307 [617]	1237 [584]	1222 [577]	1186 [560]	1121 [529]	1035 [488]
							RPM	783	809	845	872	905	938	959	998	1038	1082
							Watts	291	298	315	326	337	349	355	369	383	401
						Tap 4 Low Static Cool	CFM	1657 [782]	1628 [768]	1588 [749]	1559 [736]	1519 [717]	1496 [706]	1454 [686]	1426 [673]	1394 [658]	1342 [633]
							RPM	872	897	926	953	977	1005	1031	1065	1080	1113
							Watts	417	429	444	457	462	478	488	505	509	524
						Tap 5 High Static Cool	CFM	1970 [930]	1945 [918]	1920 [906]	1884 [889]	1843 [870]	1778 [839]	1704 [804]	1642 [775]	1547 [730]	1451 [685]
							RPM	1011	1038	1048	1073	1092	1104	1119	1123	1132	1145
							Watts	696	710	731	728	727	712	693	666	627	602
5.0 [17.59]	Tap 5	Tap 1	100,000 [29.31]	1600 CFM / 2100 CFM	12x9R Blower 1 HP [746] 5 Speed (Constant Torque)	Tap 1 100K Heat	CFM	1433 [676]	1407 [664]	1354 [639]	1329 [627]	1270 [599]	1235 [583]	1195 [564]	1137 [537]	1083 [511]	1030 [486]
							RPM	821	843	868	888	929	944	975	1004	1040	1065
							Watts	319	331	342	346	365	368	381	391	406	412
						Tap 2 Unused	CFM	1233 [582]	1158 [547]	1136 [536]	1090 [514]	1039 [490]	969 [457]	902 [426]	847 [400]	791 [373]	752 [355]
							RPM	734	774	793	822	860	892	934	957	983	1011
							Watts	223	231	238	248	259	269	288	284	295	306
						Tap 3 Low Cool	CFM	1768 [834]	1730 [816]	1693 [799]	1626 [767]	1599 [755]	1558 [735]	1522 [718]	1503 [709]	1444 [681]	1399 [660]
							RPM	938	959	983	1011	1025	1052	1089	1090	1117	1134
							Watts	520	533	541	560	563	578	599	599	605	615
						Tap 4 Med Cool	CFM	1926 [909]	1890 [892]	1864 [880]	1822 [860]	1794 [847]	1758 [830]	1710 [807]	1670 [788]	1579 [745]	1493 [705]
							RPM	999	1014	1040	1061	1079	1096	1119	1128	1138	1144
							Watts	654	660	674	688	699	708	714	705	683	661
						Tap 5 High Cool	CFM	2096 [989]	2057 [971]	2003 [945]	1951 [921]	1890 [892]	1819 [858]	1756 [829]	1686 [796]	1610 [760]	1498 [707]
							RPM	1069	1092	1106	1116	1121	1129	1138	1140	1148	1154
							Watts	829	846	840	822	807	782	768	730	708	679

Note: Set 3-1/2 through 5 ton Cool to Tap 4 for AHRI rated performance

DOWN DISCHARGE PRESSURE DROP (ADD TO EXTERNAL STATIC PRESSURE)							
CFM [L/s]	800 [378]	1000 [472]	1200 [566]	1400 [661]	1600 [755]	1800 [849]	2000 [944]
Pressure Drop—Includes W.C. [kPa]	.02 [.005]	.05 [.012]	.07 [.017]	.1 [.025]	.12 [.030]	.15 [.037]	.17 [.042]

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE TZGE5 - 208/230 VOLTS

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Heating Input BTU/HR [kW]	Manufacturer Recommended Cooling Airflow (Min/Max)	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed / Tap		External Static Pressure - Inches W.C. [kPa] (Side Discharge-Dry Coil)									
	Cool	Heat						0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]	0.9 [.22]	1.0 [.25]
2.0 [7.03]	Tap 5	Tap 2	60,000 [17.58]	700 CFM / 950 CFM	10X9 Blower 1/3 HP [249] 5 Speed (Constant Torque)	Tap 1 Unused	CFM	805 [380]	749 [353]	702 [331]	634 [299]	580 [274]	542 [256]	480 [227]	438 [207]		
							RPM	674	721	783	832	886	916	962	1004		
							Watts	97	104	113	117	126	128	131	142		
		Tap 3	80,000 [23.45]			Tap 3 80K	CFM	917 [433]	865 [408]	826 [390]	771 [364]	730 [345]	677 [320]	628 [296]	596 [281]		
							RPM	772	810	860	905	945	985	1013	1052		
							Watts	142	149	159	164	175	177	180	189		
						Tap 4 Low Static Cool	CFM	1196 [564]	1154 [545]	1111 [524]	1078 [509]	1039 [490]	967 [456]	876 [413]	791 [373]		
							RPM	927	970	1009	1041	1079	1107	1124	1134		
							Watts	288	300	309	314	324	318	300	276		
						Tap 5 High Static Cool	CFM	931 [439]	880 [415]	854 [403]	795 [375]	743 [351]	694 [328]	655 [309]	608 [287]		
							RPM	789	1425	874	921	965	1002	1041	1070		
							Watts	155	159	170	176	185	188	196	200		
2.5 [8.79]	Tap 5	Tap 2	60,000 [17.58]	850 CFM / 1150 CFM	10X9 Blower 1/3 HP [249] 5 Speed (Constant Torque)	Tap 1 Unused	CFM	1005 [474]	956 [451]	916 [432]	878 [414]	808 [381]	778 [367]	734 [346]	698 [329]		
							RPM	822	872	907	954	998	1036	1070	1103		
							Watts	178	192	198	208	212	224	224	234		
						Tap 2 60K	CFM	917 [433]	865 [408]	826 [390]	771 [364]	730 [345]	677 [320]	628 [296]	596 [281]		
							RPM	772	810	860	905	945	985	1013	1052		
							Watts	142	149	159	164	175	177	180	189		
		Tap 3	80,000 [23.45]			Tap 3 80K	CFM	1227 [579]	1180 [557]	1160 [547]	1123 [530]	1090 [514]	1054 [497]	1008 [476]	882 [416]		
							RPM	930	976	1006	1029	1065	1089	1124	1154		
							Watts	264	276	288	291	300	305	311	292		
						Tap 4 Low Static Cool	CFM	1013 [478]	980 [463]	939 [443]	893 [421]	864 [408]	792 [374]	752 [355]	687 [324]		
							RPM	820	854	901	934	976	1022	1064	1097		
							Watts	171	177	187	190	202	207	217	222		
						Tap 5 High Static Cool	CFM	1227 [579]	1180 [557]	1160 [547]	1123 [530]	1090 [514]	1054 [497]	1008 [476]	882 [416]		
							RPM	930	976	1006	1029	1065	1089	1124	1154		
							Watts	264	276	288	291	300	305	311	292		

Notes: (1) Set 2 through 4 ton Cool to Tap 4 for AHRI rated performance. (2) Set 5 ton 2nd Stage Cool to Tap 4 for AHRI rated performance.

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE TZGE5 - 208/230 VOLTS (continued)

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Heating Input BTU/HR [kW]	Manufacturer Recommended Cooling Airflow (Min/Max)	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed / Tap		External Static Pressure - Inches W.C. [kPa] (Side Discharge-Dry Coil)									
	Cool	Heat						0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]	0.9 [.22]	1.0 [.25]
3.0 [10.55]	Tap 5	Tap 1	60,000 [17.58]	1000 CFM / 1400 CFM	12x9T Blower 1/2 HP [372] 5 Speed (Constant Torque)	Tap 1 60K	CFM	907 [428]	850 [401]	801 [378]	723 [341]	648 [306]	576 [272]	520 [245]	432 [204]		
							RPM	632	690	730	778	829	856	894	922		
							Watts	120	130	142	145	159	161	169	173		
		Tap 2	80,000 [23.45]			Tap 2 80K	CFM	1362 [643]	1322 [624]	1281 [605]	1247 [589]	1213 [572]	1158 [547]	1097 [518]	1058 [499]	996 [470]	856 [404]
							RPM	833	866	895	926	962	999	1034	1062	1098	1128
							Watts	320	332	336	346	362	374	380	386	403	385
		Tap 3	100,000 [29.31]			Tap 3 100K	CFM	1434 [677]	1419 [670]	1387 [655]	1340 [632]	1310 [618]	1258 [594]	1198 [565]	1160 [547]	1085 [512]	930 [439]
							RPM	866	882	920	944	981	1008	1051	1078	1106	1131
							Watts	372	377	390	399	413	421	426	443	445	412
						Tap 4 Low Static Cool	CFM	1169 [552]	1115 [526]	1086 [513]	1047 [494]	983 [464]	931 [439]	855 [404]	784 [370]		
							RPM	749	803	819	856	901	938	985	1029		
							Watts	217	231	233	246	259	266	277	289		
						Tap 5 High Static Cool	CFM	1434 [677]	1419 [670]	1387 [655]	1340 [632]	1310 [618]	1258 [594]	1198 [565]	1160 [547]	1085 [512]	930 [439]
							RPM	866	882	920	944	981	1008	1051	1078	1106	1131
							Watts	372	377	390	399	413	421	426	443	445	412

Notes: (1) Set 2 through 4 ton Cool to Tap 4 for AHRI rated performance. (2) Set 5 ton 2nd Stage Cool to Tap 4 for AHRI rated performance.

DOWN DISCHARGE PRESSURE DROP (ADD TO EXTERNAL STATIC PRESSURE)							
CFM [L/s]	800 [378]	1000 [472]	1200 [566]	1400 [661]	1600 [755]	1800 [849]	2000 [944]
Pressure Drop—Includes W.C. [kPa]	.02 [.005]	.05 [.012]	.07 [.017]	.1 [.025]	.12 [.030]	.15 [.037]	.17 [.042]

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE TZGE5 - 208/230 VOLTS (continued)

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Heating Input BTU/HR [kW]	Manufacturer Recommended Cooling Airflow (Min/Max)	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed / Tap		External Static Pressure - Inches W.C. [kPa] (Side Discharge-Dry Coil)									
	Cool	Heat						0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]	0.9 [.22]	1.0 [.25]
3.5 [12.31]	Tap 5	Tap 2	80,000 [23.45]	1200 CFM / 1600 CFM	12x9T Blower 3/4 HP [559] 5 Speed (Constant Torque)	Tap 1 Unused	CFM	1336 [631]	1312 [619]	1295 [611]	1241 [586]	1200 [566]	1161 [548]	1119 [528]	1072 [506]	1001 [472]	939 [443]
							RPM	827	856	874	913	949	983	1013	1048	1092	1127
							Watts	298	308	313	325	341	352	361	374	387	402
						Tap 2 80K	CFM	1336 [631]	1312 [619]	1295 [611]	1241 [586]	1200 [566]	1161 [548]	1119 [528]	1072 [506]	1001 [472]	939 [443]
							RPM	827	856	874	913	949	983	1013	1048	1092	1127
							Watts	298	308	313	325	341	352	361	374	387	402
		Tap 3	100,000 [29.31]			Tap 3 100K	CFM	1453 [686]	1424 [672]	1395 [658]	1347 [636]	1321 [623]	1279 [604]	1250 [590]	1214 [573]	1157 [546]	1119 [528]
							RPM	836	867	904	942	953	992	1019	1048	1091	1114
							Watts	334	349	364	377	380	394	409	418	433	442
						Tap 4 Low Static Cool	CFM	1336 [631]	1312 [619]	1295 [611]	1241 [586]	1200 [566]	1161 [548]	1119 [528]	1072 [506]	1001 [472]	939 [443]
							RPM	827	856	874	913	949	983	1013	1048	1092	1127
							Watts	298	308	313	325	341	352	361	374	387	402
						Tap 5 High Static Cool	CFM	1591 [751]	1563 [738]	1558 [735]	1519 [717]	1490 [703]	1458 [688]	1410 [665]	1363 [643]	1277 [603]	1122 [530]
							RPM	949	981	999	1027	1051	1086	1109	1129	1140	1158
							Watts	476	490	501	515	527	542	546	543	522	478
4.0 [14.07]	Tap 5	Tap 2	80,000 [23.45]	1350 CFM / 1850 CFM	12x9T Blower 3/4 HP [559] 5 Speed (Constant Torque)	Tap 1 Unused	CFM	1340 [632]	1305 [616]	1263 [596]	1227 [579]	1186 [560]	1162 [548]	1104 [521]	1020 [481]	960 [453]	897 [423]
							RPM	776	796	831	869	898	925	966	1011	1044	1076
							Watts	261	268	279	291	303	310	323	339	351	361
						Tap 2 80K	CFM	1340 [632]	1305 [616]	1263 [596]	1227 [579]	1186 [560]	1162 [548]	1104 [521]	1020 [481]	960 [453]	897 [423]
							RPM	776	796	831	869	898	925	966	1011	1044	1076
							Watts	261	268	279	291	303	310	323	339	351	361
		Tap 3	100,000 [29.31]			Tap 3 100K	CFM	1467 [692]	1448 [683]	1404 [663]	1373 [648]	1339 [632]	1306 [616]	1250 [590]	1210 [571]	1164 [549]	1087 [513]
							RPM	826	855	884	910	939	969	1003	1030	1067	1108
							Watts	328	344	348	363	379	387	398	408	418	434
						Tap 4 Low Static Cool	CFM	1634 [771]	1595 [753]	1547 [730]	1530 [722]	1487 [702]	1462 [690]	1438 [679]	1378 [650]	1352 [638]	1298 [613]
							RPM	894	923	950	981	1000	1030	1051	1079	1106	1126
							Watts	432	446	451	468	479	490	508	510	520	520
						Tap 5 High Static Cool	CFM	1941 [916]	1915 [904]	1878 [886]	1814 [856]	1773 [837]	1709 [807]	1655 [781]	1570 [741]	1488 [702]	1374 [648]
							RPM	1028	1047	1068	1091	1104	1113	1124	1136	1142	1147
							Watts	708	725	729	727	717	696	673	647	618	571

Notes: (1) Set 2 through 4 ton Cool to Tap 4 for AHRI rated performance. (2) Set 5 ton 2nd Stage Cool to Tap 4 for AHRI rated performance.

[ ] Designates Metric Conversions

INDOOR AIRFLOW PERFORMANCE TZGE5 - 208/230 VOLTS (continued)

Nominal Cooling Capacity Tons [kW]	Motor Speed from Factory		Heating Input BTU/HR [kW]	Manufacturer Recommended Cooling Airflow (Min/Max)	Blower Size/ Motor HP [W] & # of Speeds	Motor Speed / Tap		External Static Pressure - Inches W.C. [kPa] (Side Discharge-Dry Coil)									
	Cool	Heat						0.1 [.02]	0.2 [.05]	0.3 [.07]	0.4 [.10]	0.5 [.12]	0.6 [.15]	0.7 [.17]	0.8 [.20]	0.9 [.22]	1.0 [.25]
5.0 [17.59]	1st Stage Tap 2	Tap 1	100,000 [29.31]	1600 CFM / 2100 CFM	12x9R Blower 1 HP [746] 5 Speed (Constant Torque)	Tap 1 100K Heat	CFM	1433 [676]	1407 [664]	1354 [639]	1329 [627]	1270 [599]	1235 [583]	1195 [564]	1137 [537]	1083 [511]	1030 [486]
							RPM	821	843	868	888	929	944	975	1004	1040	1065
							Watts	319	331	342	346	365	368	381	391	406	412
						Tap 2 1st Stage Cool	CFM	1233 [582]	1158 [547]	1136 [536]	1090 [514]	1039 [490]	969 [457]	902 [426]	847 [400]	791 [373]	752 [355]
							RPM	734	774	793	822	860	892	934	957	983	1011
							Watts	223	231	238	248	259	269	288	284	295	306
						Tap 3 Unused	CFM	1768 [834]	1730 [816]	1693 [799]	1626 [767]	1599 [755]	1558 [735]	1522 [718]	1503 [709]	1444 [681]	1399 [660]
							RPM	938	959	983	1011	1025	1052	1089	1090	1117	1134
							Watts	520	533	541	560	563	578	599	599	605	615
	2nd Stage Tap 5					Tap 4 2nd Stage Low Static Cool	CFM	1926 [909]	1890 [892]	1864 [880]	1822 [860]	1794 [847]	1758 [830]	1710 [807]	1670 [788]	1579 [745]	1493 [705]
							RPM	999	1014	1040	1061	1079	1096	1119	1128	1138	1144
							Watts	654	660	674	688	699	708	714	705	683	661
						Tap 5 2nd Stage High Static Cool	CFM	2096 [989]	2057 [971]	2003 [945]	1951 [921]	1890 [892]	1819 [858]	1756 [829]	1686 [796]	1610 [760]	1498 [707]
							RPM	1069	1092	1106	1116	1121	1129	1138	1140	1148	1154
							Watts	829	846	840	822	807	782	768	730	708	679

Notes: (1) Set 2 through 4 ton Cool to Tap 4 for AHRI rated performance. (2) Set 5 ton 2nd Stage Cool to Tap 4 for AHRI rated performance.

DOWN DISCHARGE PRESSURE DROP (ADD TO EXTERNAL STATIC PRESSURE)							
CFM [L/s]	800 [378]	1000 [472]	1200 [566]	1400 [661]	1600 [755]	1800 [849]	2000 [944]
Pressure Drop—Includes W.C. [kPa]	.02 [.005]	.05 [.012]	.07 [.017]	.1 [.025]	.12 [.030]	.15 [.037]	.17 [.042]

[ ] Designates Metric Conversions

ELECTRICAL DATA – TZGE4 SERIES

		424JL040C	424JL040CX	424JL060C	424JL060CX	430JL060C	430JL060CX
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	187-253	187-253	187-253
	Volts	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1	1
	Hz	60	60	60	60	60	60
	Minimum Circuit Ampacity	17	17	17	17	20	20
	Minimum Overcurrent Protection Device Size	20	20	20	20	20	20
	Maximum Overcurrent Protection Device Size	25	25	25	25	30	30
Compressor Motor	No.	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1	1
	RPM	3450	3450	3450	3450	3450	3450
	HP, Compressor 1	2 1/6	2 1/6	2 1/6	2 1/6	2 2/3	2 2/3
	Amps (RLA), Comp. 1	11.2	11.2	11.2	11.2	12.8	12.8
	Amps (LRA), Comp. 1	60.8	60.8	60.8	60.8	64	64
Condenser Motor	No.	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3	1/3
	Amps (FLA, each)	1.5	1.5	1.5	1.5	1.5	1.5
	Amps (LRA, each)	3	3	3	3	3	3
Evaporator Fan	No.	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1	1
	HP	1/4	1/4	1/4	1/4	1/2	1/2
	Amps (FLA, each)	1.3	1.3	1.3	1.3	2.4	2.4
	Amps (LRA, each)	2.3	2.3	2.3	2.3	5.1	5.1

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

ELECTRICAL DATA – TZGE4 SERIES

		430JL080C	430JL080CX	436CL060C	436CL080C	436CL100CX
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	187-253	187-253
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	3	3	3
	Hz	60	60	60	60	60
	Minimum Circuit Ampacity	20	20	16	16	16
	Minimum Overcurrent Protection Device Size	20	20	20	20	20
	Maximum Overcurrent Protection Device Size	30	30	20	20	20
Compressor Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	3	3	3
	RPM	3450	3450	3450	3450	3450
	HP, Compressor 1	2 2/3	2 2/3	3 1/3	3 1/3	3 1/3
	Amps (RLA), Comp. 1	12.8	12.8	9	9	9
	Amps (LRA), Comp. 1	64	64	71	71	71
Condenser Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3
	Amps (FLA, each)	1.5	1.5	1.5	1.5	1.5
	Amps (LRA, each)	3	3	3	3	3
Evaporator Fan	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1
	HP	1/2	1/2	1/2	1/2	1/2
	Amps (FLA, each)	2.4	2.4	2.5	2.5	2.5
	Amps (LRA, each)	5.1	5.1	4.6	4.6	4.6

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

ELECTRICAL DATA – TZGE4 SERIES

		436JL060C	436JL060CX	436JL080C	436JL080CX	436JL100C
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	187-253	187-253
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1
	Hz	60	60	60	60	60
	Minimum Circuit Ampacity	22	22	22	22	22
	Minimum Overcurrent Protection Device Size	25	25	25	25	25
	Maximum Overcurrent Protection Device Size	35	35	35	35	35
Compressor Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1
	RPM	3450	3450	3450	3450	3450
	HP, Compressor 1	3 1/3	3 1/3	3 1/3	3 1/3	3 1/3
	Amps (RLA), Comp. 1	14.1	14.1	14.1	14.1	14.1
	Amps (LRA), Comp. 1	77	77	77	77	77
Condenser Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3
	Amps (FLA, each)	1.5	1.5	1.5	1.5	1.5
	Amps (LRA, each)	3	3	3	3	3
Evaporator Fan	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1
	HP	1/2	1/2	1/2	1/2	1/2
	Amps (FLA, each)	2.5	2.5	2.5	2.5	2.5
	Amps (LRA, each)	4.6	4.6	4.6	4.6	4.6

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

ELECTRICAL DATA – TZGE4 SERIES

		436JL100CX	442CL100C	442JL100C	442JL100CX	448CL100C
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	187-253	187-253
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	3	1	1	3
	Hz	60	60	60	60	60
	Minimum Circuit Ampacity	22	24	30	30	25
	Minimum Overcurrent Protection Device Size	25	25	30	30	25
	Maximum Overcurrent Protection Device Size	35	35	45	45	35
Compressor Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	3	1	1	3
	RPM	3450	3450	3450	3450	3450
	HP, Compressor 1	3 1/3	3 1/2	3 1/2	3 1/2	4
	Amps (RLA), Comp. 1	14.1	13.2	17.9	17.9	13.1
	Amps (LRA), Comp. 1	77	88	112	112	83.1
Condenser Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3
	Amps (FLA, each)	1.5	1.5	1.5	1.5	2
	Amps (LRA, each)	3	3	3	3	3.9
Evaporator Fan	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1
	HP	1/2	3/4	3/4	3/4	3/4
	Amps (FLA, each)	2.5	6	6	6	6
	Amps (LRA, each)	4.6				

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

ELECTRICAL DATA – TZGE4 SERIES

		448JL100C	448JL100CX	460CL100C	460JL100C	460JL100CX
Unit Information	Unit Operating Voltage Range	187-253	187-253	197-253	197-253	197-253
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	3	1	1
	Hz	60	60	60	60	60
	Minimum Circuit Ampacity	33	33	32	41	41
	Minimum Overcurrent Protection Device Size	35	35	35	45	45
	Maximum Overcurrent Protection Device Size	50	50	45	60	60
Compressor Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	3	1	1
	RPM	3450	3450	3500	3500	3500
	HP, Compressor 1	4	4	5	5	5
	Amps (RLA), Comp. 1	19.9	19.9	17.8	24.4	24.4
	Amps (LRA), Comp. 1	109	109	110	144.2	144.2
Condenser Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3
	Amps (FLA, each)	2	2	2	2	2
	Amps (LRA, each)	3.9	3.9	3.9	3.9	3.9
Evaporator Fan	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1
	HP	3/4	3/4	1	1	1
	Amps (FLA, each)	6	6	7.6	7.6	7.6
	Amps (LRA, each)					

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

ELECTRICAL DATA – TZGE5 SERIES

		524JL060C	524JL060CX	524JL080C	524JL080CX	530JL060C	530JL060CX
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	187-253	187-253	187-253
	Volts	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1	1
	Hz	60	60	60	60	60	60
	Minimum Circuit Ampacity	19	19	19	19	21	21
	Minimum Overcurrent Protection Device Size	20	20	20	20	25	25
	Maximum Overcurrent Protection Device Size	25	25	25	25	30	30
Compressor Motor	No.	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1	1
	RPM	3450	3450	3450	3450	3450	3450
	HP, Compressor 1	2 1/6	2 1/6	2 1/6	2 1/6	2 2/3	2 2/3
	Amps (RLA), Comp. 1	11.2	11.2	11.2	11.2	12.8	12.8
	Amps (LRA), Comp. 1	60.8	60.8	60.8	60.8	64	64
Condenser Motor	No.	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3	1/3
	Amps (FLA, each)	1.5	1.5	1.5	1.5	1.5	1.5
	Amps (LRA, each)	3	3	3	3	3	3
Evaporator Fan	No.	1	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/2	1/2
	Amps (FLA, each)	2.8	2.8	2.8	2.8	2.8	2.8
	Amps (LRA, each)						

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

ELECTRICAL DATA – TZGE5 SERIES

		530JL080C	530JL080CX	536CL060C	536CL080C	536CL100C
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	187-253	187-253
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	3	3	3
	Hz	60	60	60	60	60
	Minimum Circuit Ampacity	21	21	17	17	17
	Minimum Overcurrent Protection Device Size	25	25	20	20	20
	Maximum Overcurrent Protection Device Size	30	30	25	25	25
Compressor Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	3	3	3
	RPM	3450	3450	3450	3450	3450
	HP, Compressor 1	2 2/3	2 2/3	3 1/3	3 1/3	3 1/3
	Amps (RLA), Comp. 1	12.8	12.8	9	9	9
	Amps (LRA), Comp. 1	64	64	71	71	71
Condenser Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3
	Amps (FLA, each)	1.5	1.5	1.5	1.5	1.5
	Amps (LRA, each)	3	3	3	3	3
Evaporator Fan	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1
	HP	1/2	1/2	1/2	1/2	1/2
	Amps (FLA, each)	2.8	2.8	4.1	4.1	4.1
	Amps (LRA, each)					

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

ELECTRICAL DATA – TZGE5 SERIES

		536JL060C	536JL060CX	536JL080C	536JL080CX	536JL100C
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	187-253	187-253
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1
	Hz	60	60	60	60	60
	Minimum Circuit Ampacity	24	24	24	24	24
	Minimum Overcurrent Protection Device Size	25	25	25	25	25
	Maximum Overcurrent Protection Device Size	35	35	35	35	35
Compressor Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1
	RPM	3450	3450	3450	3450	3450
	HP, Compressor 1	3 1/3	3 1/3	3 1/3	3 1/3	3 1/3
	Amps (RLA), Comp. 1	14.1	14.1	14.1	14.1	14.1
	Amps (LRA), Comp. 1	77	77	77	77	77
Condenser Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3
	Amps (FLA, each)	1.5	1.5	1.5	1.5	1.5
	Amps (LRA, each)	3	3	3	3	3
Evaporator Fan	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1
	HP	1/2	1/2	1/2	1/2	1/2
	Amps (FLA, each)	4.1	4.1	4.1	4.1	4.1
	Amps (LRA, each)					

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

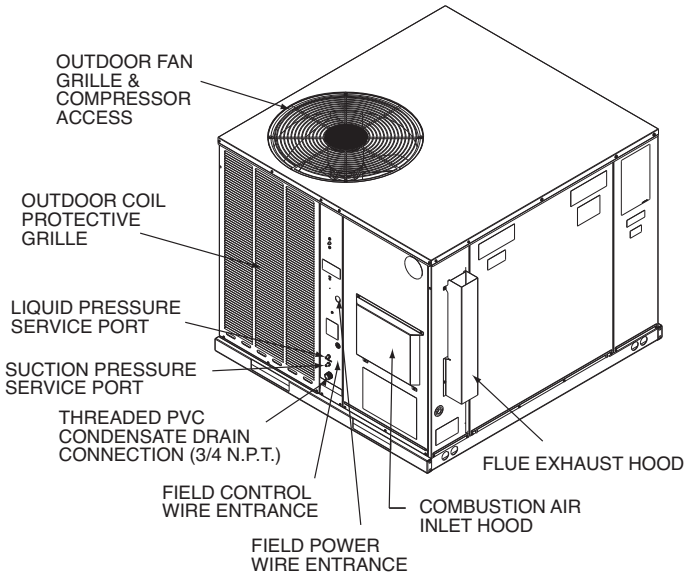
ELECTRICAL DATA – TZGE5 SERIES						
		536JL100CX	**542CL100C**	**542JL100C**	**542JL100CX**	**542CL100C**
Unit Information	Unit Operating Voltage Range	187-253	187-253	187-253	187-253	187-253
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	3	1	1	3
	Hz	60	60	60	60	60
	Minimum Circuit Ampacity	24	24	30	30	25
	Minimum Overcurrent Protection Device Size	25	25	30	30	25
	Maximum Overcurrent Protection Device Size	35	35	45	45	35
Compressor Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	3	1	1	3
	RPM	3450	3450	3450	3450	3450
	HP, Compressor 1	3 1/3	3 1/2	3 1/2	3 1/2	4
	Amps (RLA), Comp. 1	14.1	13.2	17.9	17.9	13.1
	Amps (LRA), Comp. 1	77	88	112	112	83.1
Condenser Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3
	Amps (FLA, each)	1.5	1.5	1.5	1.5	2
	Amps (LRA, each)	3	3	3	3	3.9
Evaporator Fan	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1
	HP	1/2	3/4	3/4	3/4	3/4
	Amps (FLA, each)	4.1	6	6	6	6
	Amps (LRA, each)					

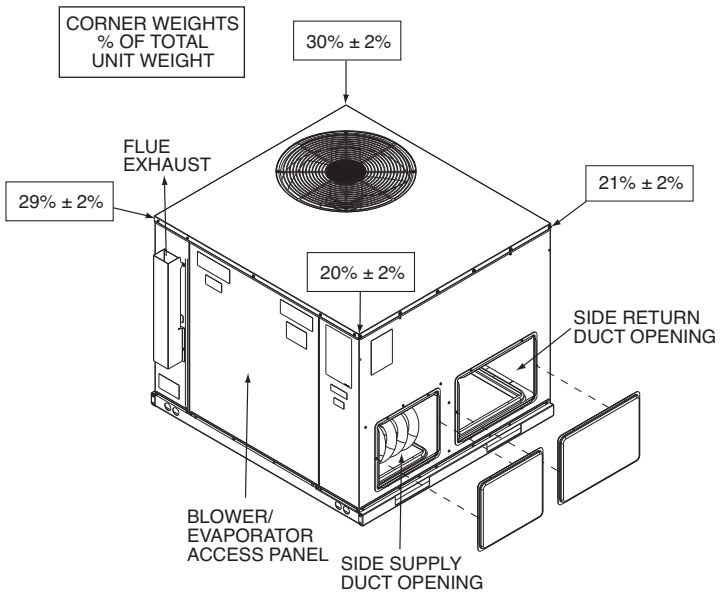
1. Horsepower Per Compressor.
2. Amp Draw Per Motor. Multiply Value By Number of Motors to Determine Total Amps.

ELECTRICAL DATA – TZGE5 SERIES

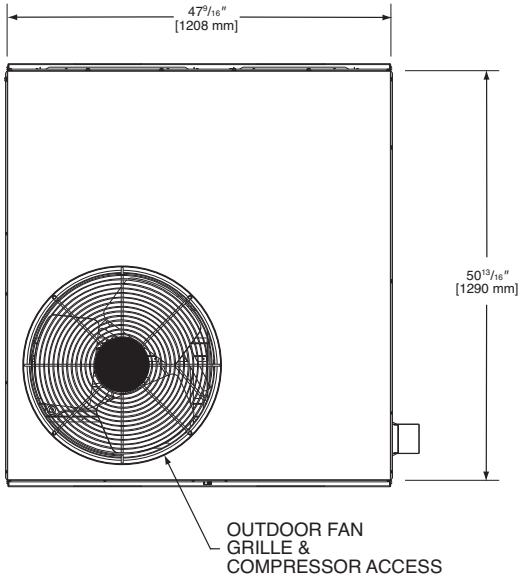
		548JL100C	548JL100CX	560CL100C	560JL100C	560JL100CX
Unit Information	Unit Operating Voltage Range	187-253	187-253	197-253	197-253	197-253
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	3	1	1
	Hz	60	60	60	60	60
	Minimum Circuit Ampacity	33	33	30	46	46
	Minimum Overcurrent Protection Device Size	35	35	50	50	50
	Maximum Overcurrent Protection Device Size	50	50	45	70	70
Compressor Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	3	1	1
	RPM	3450	3450	3450	3450	3450
	HP, Compressor 1	4	4	5	5	5
	Amps (RLA), Comp. 1	19.9	19.9	16.2	28.8	28.8
	Amps (LRA), Comp. 1	109	109	110	152.9	152.9
Condenser Motor	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1
	HP	1/3	1/3	1/3	1/3	1/3
	Amps (FLA, each)	2	2	2	2	2
	Amps (LRA, each)	3.9	3.9	3.9	3.9	3.9
Evaporator Fan	No.	1	1	1	1	1
	Volts	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1
	HP	3/4	3/4	1	1	1
	Amps (FLA, each)	6	6	7.6	7.6	7.6
	Amps (LRA, each)					

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

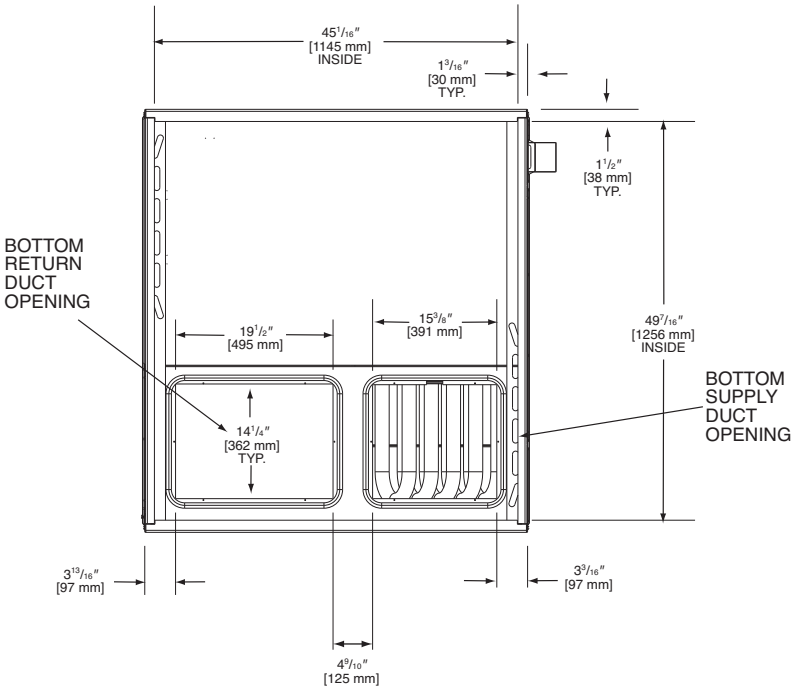




TOP VIEW

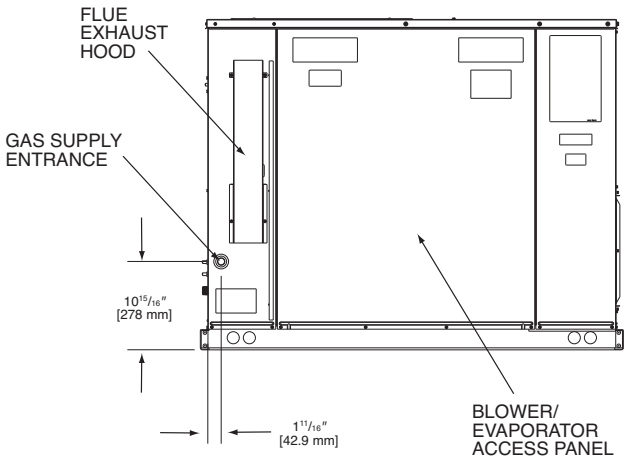


BOTTOM VIEW

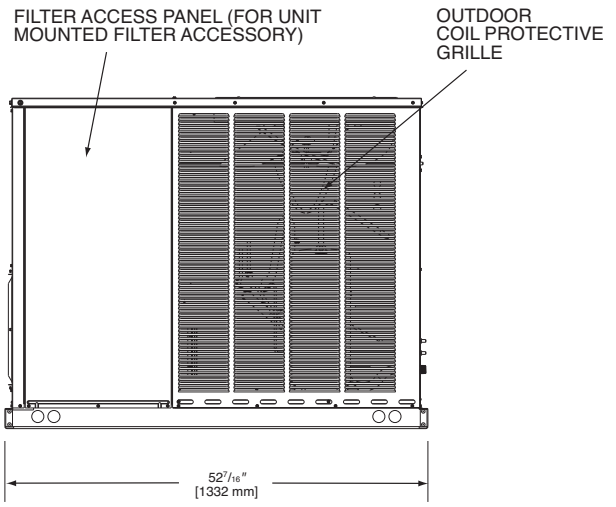


[ ] Designates Metric Conversions

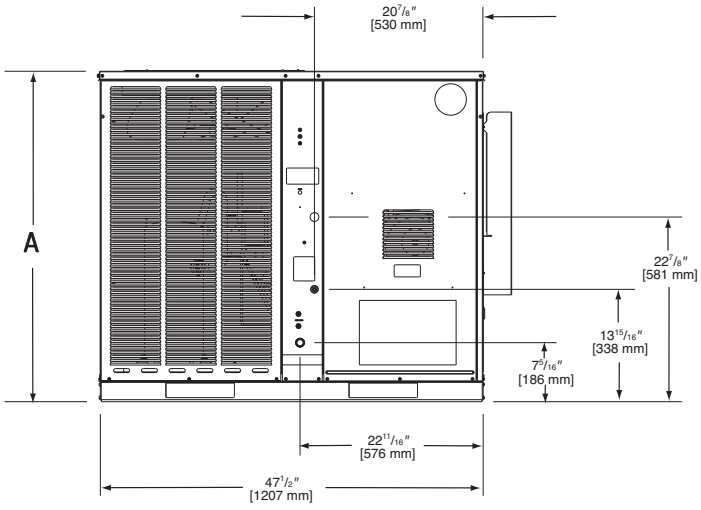
SIDE VIEW



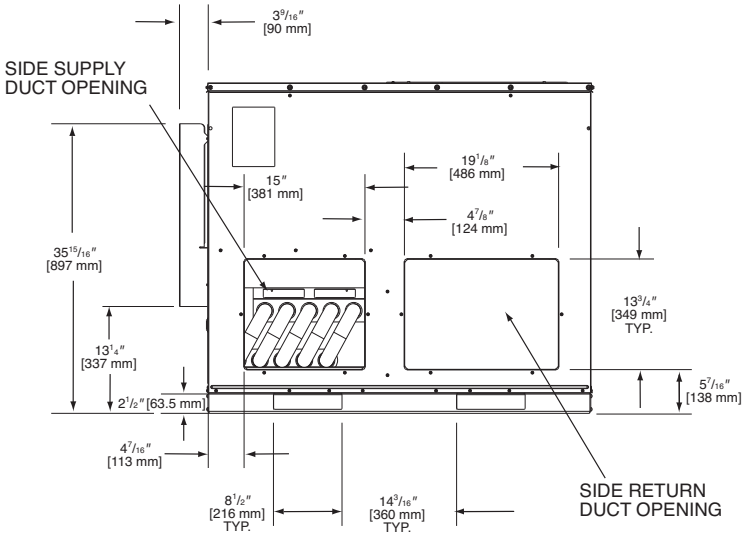
SIDE VIEW



FRONT VIEW



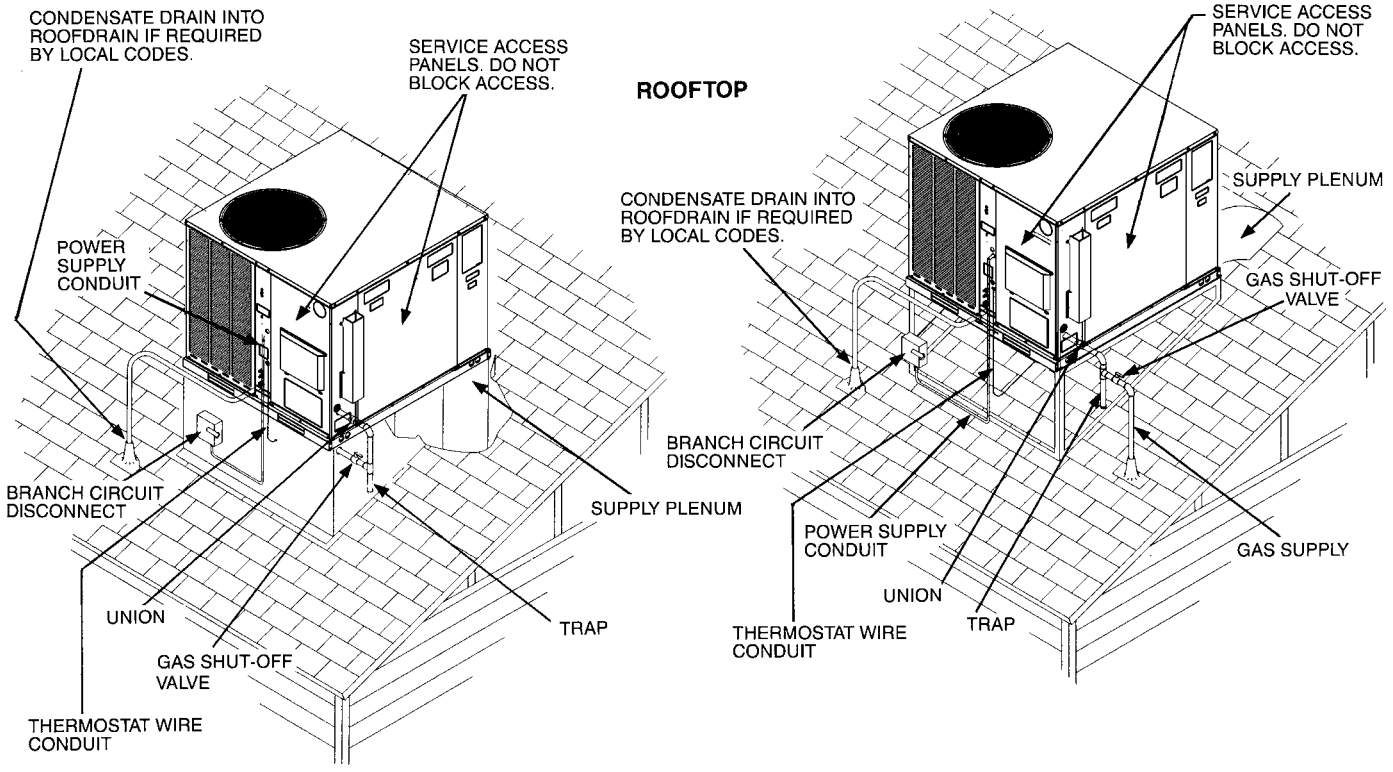
BACK VIEW

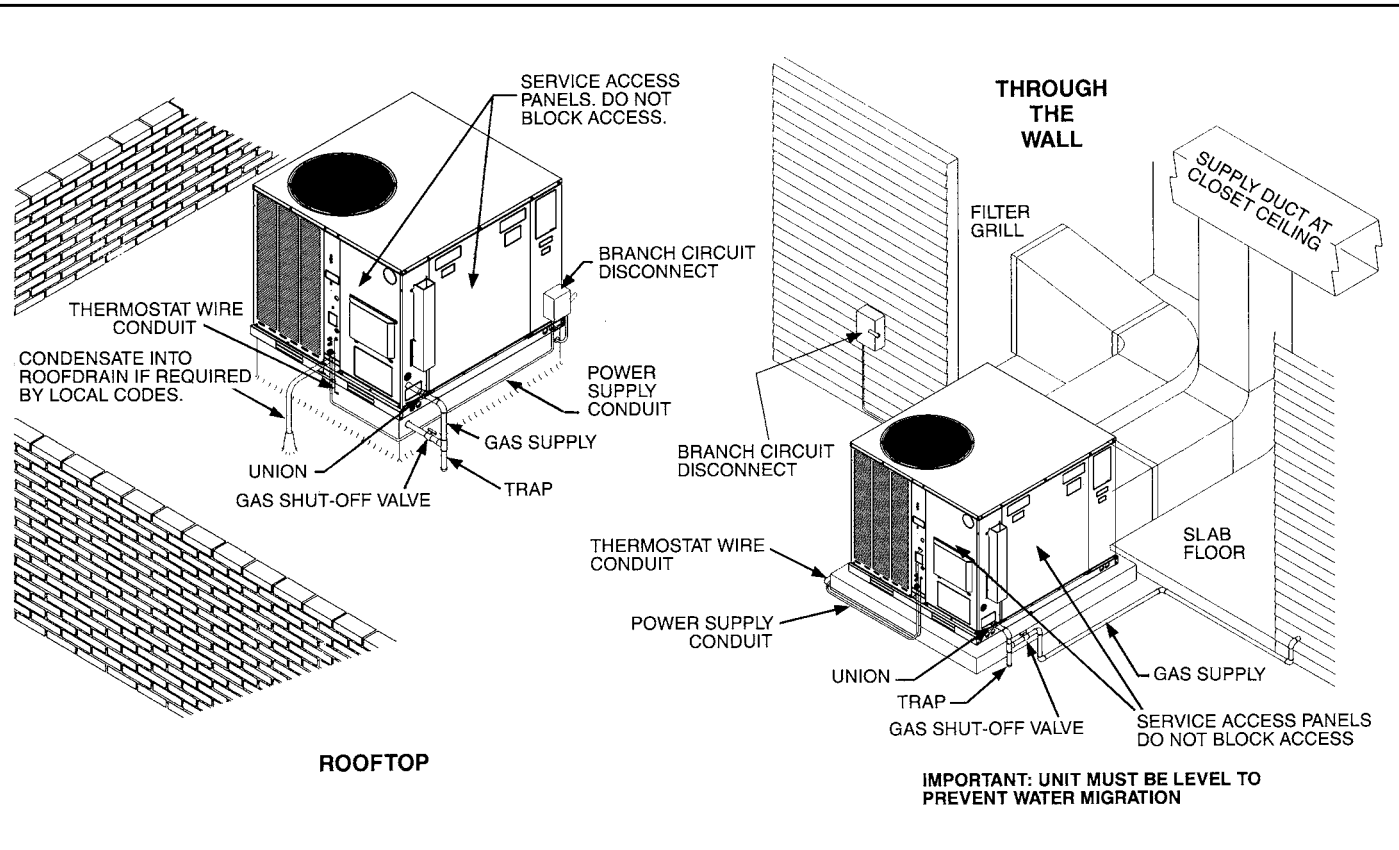


SHOWN WITH DUCT COVERS REMOVED.

Models TZGE 4/5	Height "A"
24, 30, 36, 42	35 15/16"
48, 60	41"

[ ] Designates Metric Conversions





[ ] Designates Metric Conversions

ACCESSORY EQUIPMENT

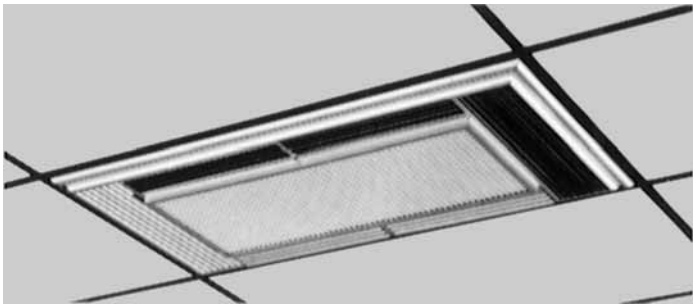
Accessory Description	Model Application	Accessory Model No.
Roofcurbs	TZGE4/5	RXSG-AAA08 (8" [203 mm] Height) RXSG-AAA14 (14" [356 mm] Height) RXSG-AAA24 (24" [610 mm] Height)
Supply & Return Diffusers	TZGE4/5	RXRN-BD15
Economizers (Sideflow Only)	TZGE4/5	AXRE-CCA30 (3 Position) AXRD-CCM10 (Fully Modulating)
Economizers (Downflow Only)	TZGE4/5	AXRE-CAA30 (3 Position) AXRD-CAM10 (Fully Modulating)
Fresh Air Damper	TZGE4/5	AXRF-FAB1 (Motorized-35%) AXRF-FAA1 (Fixed-35%)
Rectangular to Round Transition (Downflow)	TZGE4/5	RXMC-CA02 (16" [406 mm] Ducts) RXMC-CA03 (18" [457 mm] Ducts)
Filter Kit	TZGE4/5	RXRY-B01
Sideflow Rectangular to Round Transition	TZGE4/5	RXMC-BA01
LP Conversion Kits	TZGE4/5	RXGJ-EP84W (White-Rodgers Gas Valve) RXGJ-EP85H (Honeywell Gas Valve) RXGJ-FP28
Low Ambient Control	TZGE4/5	RXRZ-B01
High Pressure Control	TZGE4/5[2]	RXAB-E01
Low Pressure Control	TZGE4/5[2]	RXAC-C01
Canadian High Altitude Kit (for Natural Gas only[1])	TZGE4/5	RXRX-AH01

[1] If a particular unit is to be converted to operate on LP (propane) for elevations above 2000 ft. [609.6 m] in Canada, the existing Natural Gas to LP Conversion Kits for the subject models already contain the necessary orifices and instructions to de-rate the input for 2000-4500 ft. [609.6-1371.6 m] Canadian applications.

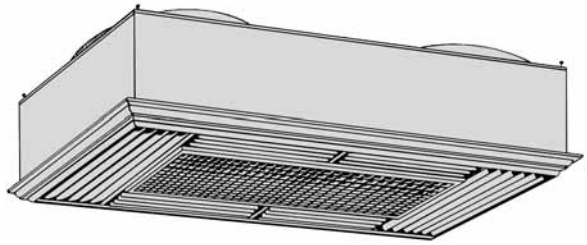
[2] High pressure switches are standard for RGEA15 Models.

[ ] Designates Metric Conversions

COMMON SUPPLY/RETURN CONCENTRIC AIR DIFFUSER

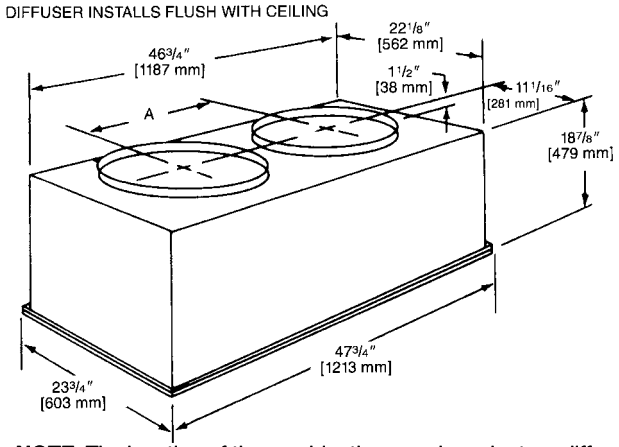


SUPPLY/RETURN DIFFUSER



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])

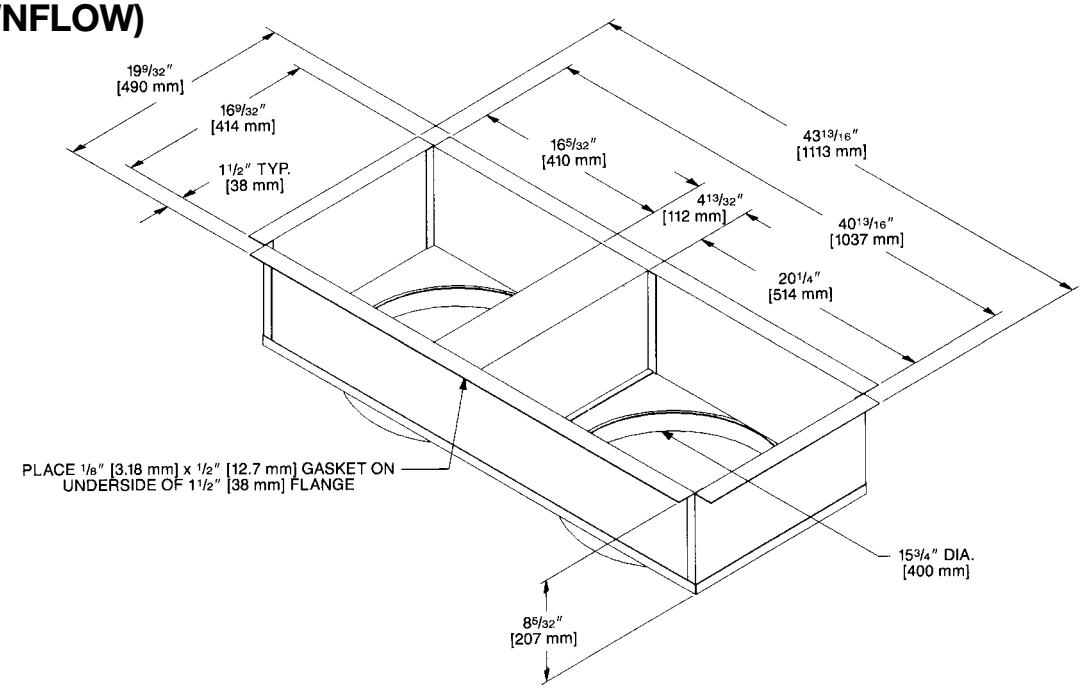
Accessory	Approximate CFM [L/s]-Supply Air			
	1300 [614]	1575 [743]	1800 [850]	2200 [1038]
Plenum & Supply/Return Duct	.07 [.017]	.10 [.024]	.12 [.030]	.17 [.042]
Diffuser	.09 [.022]	.13 [.032]	.16 [.040]	.24 [.060]
Economizer	.06 [.015]	.09 [.022]	.11 [.027]	.17 [.042]

SUPPLY AIR/PERFORMANCE

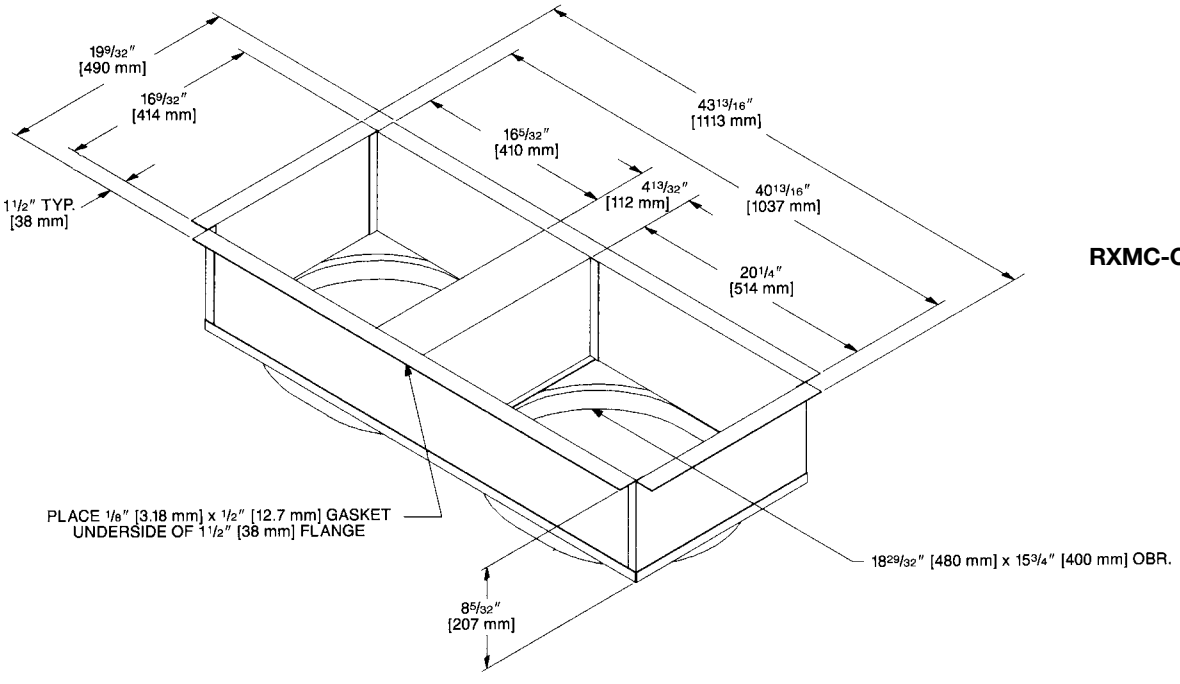
Diffuser Airflow CFM [L/s]	Range of Throw Ft. [m]
800 [378]-1200 [566]	14 [4.27]-16 [4.88]
1600 [755]-2000 [944]	18 [5.49]-28 [8.53]

DUCT ADAPTERS RECTANGULAR TO ROUND TRANSITIONS (DOWNFLOW)

RXMC-CA02



RXMC-CA03



[ ] Designates Metric Conversions

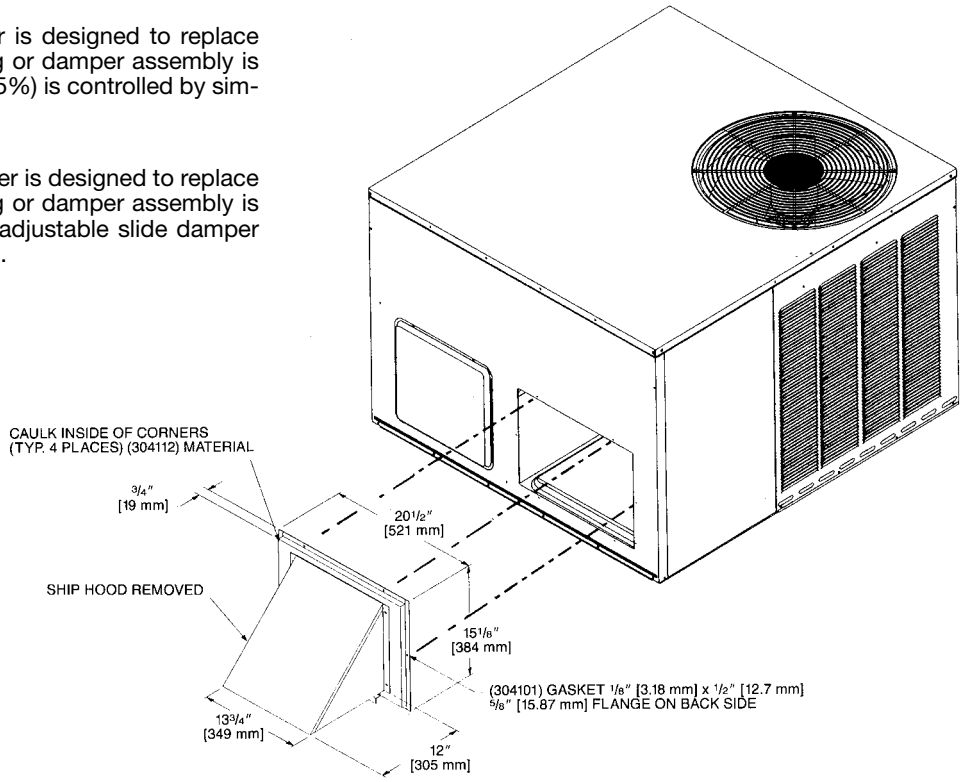
FRESH AIR DAMPER

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.



ECONOMIZERS

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

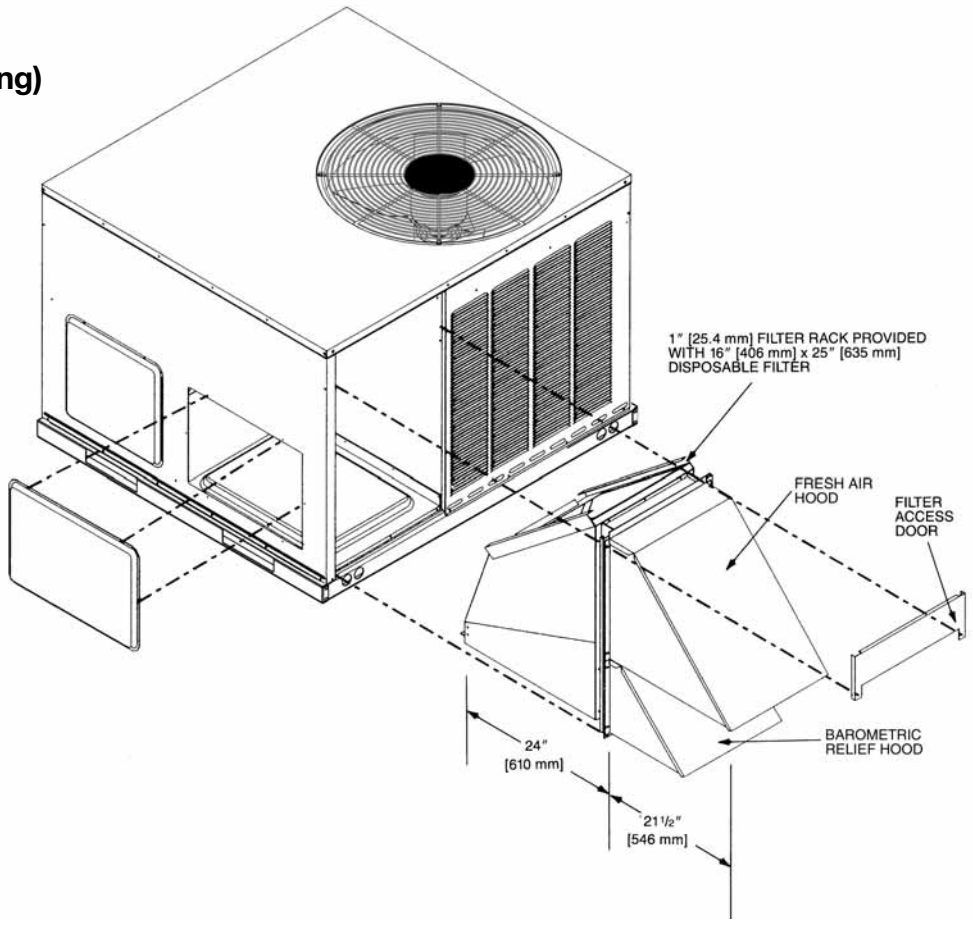
AXRE-CAA30 (3 Position)

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

AXRD-CAM10 (Fully Modulating)

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

NOTE: See economizer installation instructions for correct filter access door.



[ ] Designates Metric Conversions

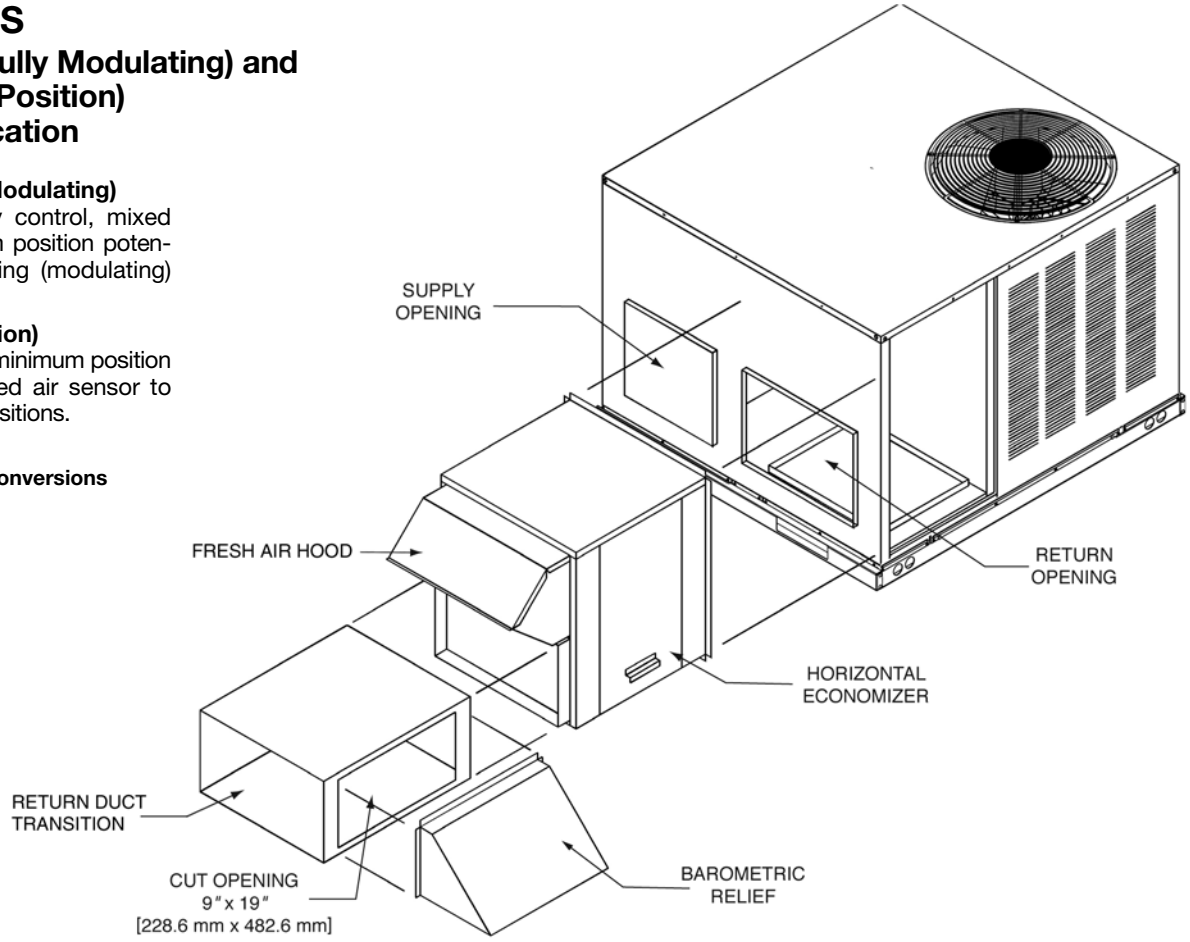
ECONOMIZERS

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

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

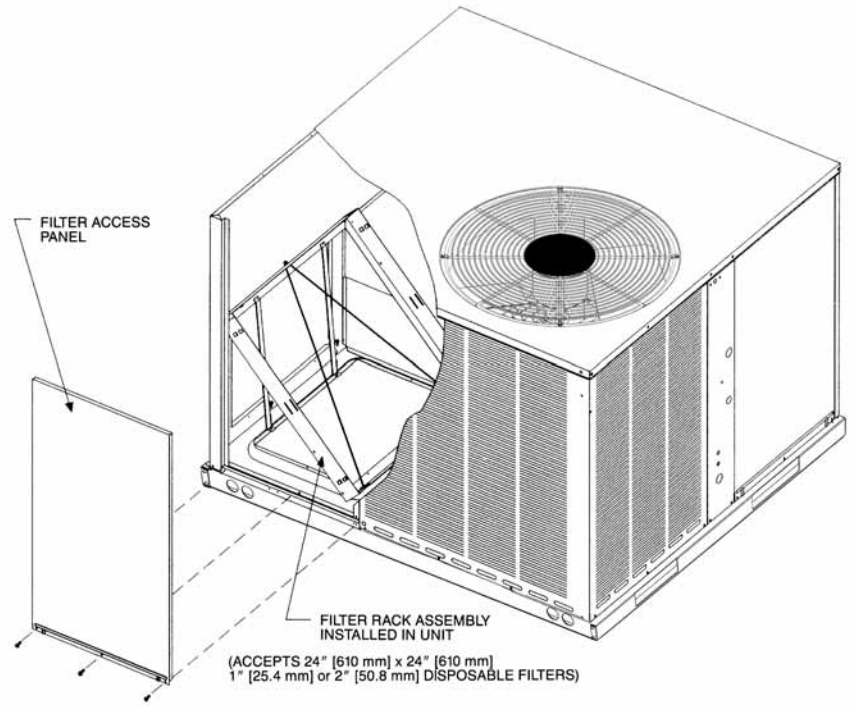
AXRE-CCA30 (3-Position)
Has outdoor air sensor, minimum position potentiometer and mixed air sensor to provide three damper positions.

[ ] Designates Metric Conversions



FILTER KIT INSTALLATION
RXRY-B01

For use in either vertical or horizontal discharge.



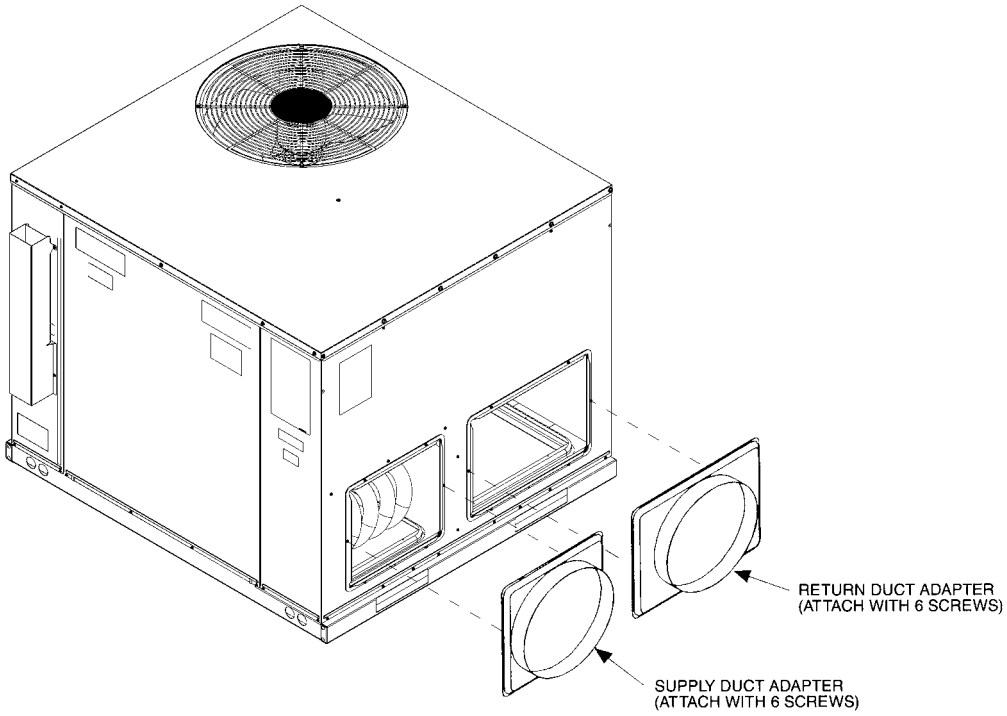
Airflow Pressure Drop, Inches W.C. [kPa]		
CFM [L/s]	**1" Filter**	**2" Filter**
500 [236]	.02 [.0050]	.03 [.0075]
600 [283]	.02 [.0050]	.03 [.0075]
700 [330]	.03 [.0075]	.04 [.0010]
800 [378]	.04 [.0010]	.05 [.0124]
900 [425]	.05 [.0124]	.06 [.0149]
1000 [472]	.07 [.0174]	.08 [.0199]
1100 [519]	.08 [.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 RXMC-A01

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

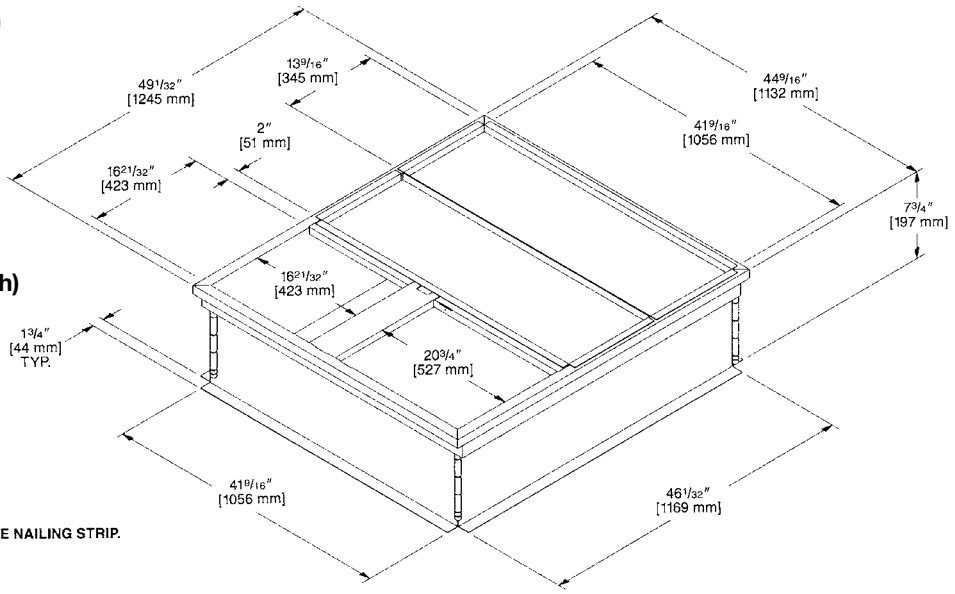


ROOFCURB (Full Perimeter)

RXSG-AAA08, RXSG-AAA14 and RXSG-AAA24

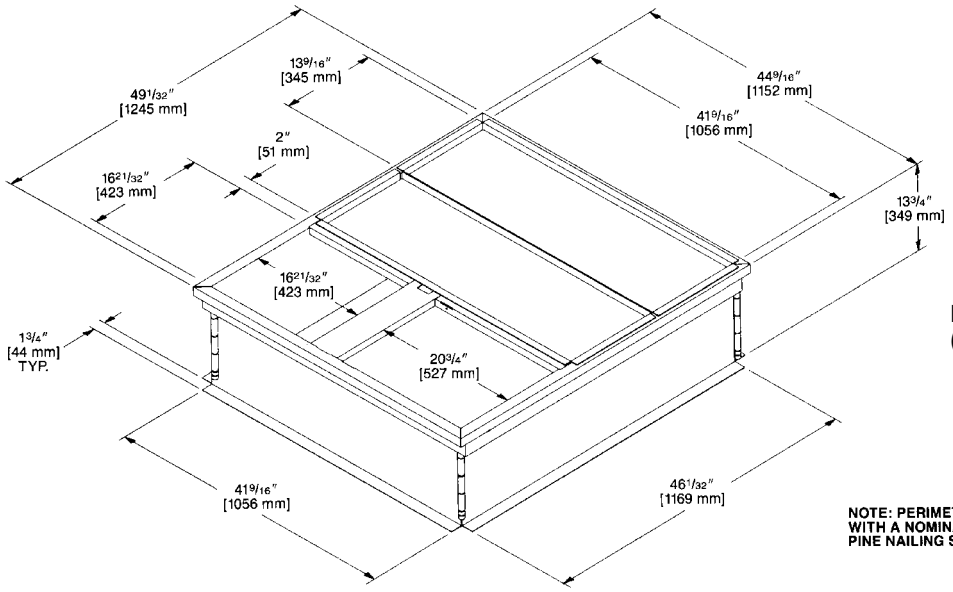
Hinged corners make for fast, easy set-up.

RXSG-AAA08
(8" [203 mm] High)



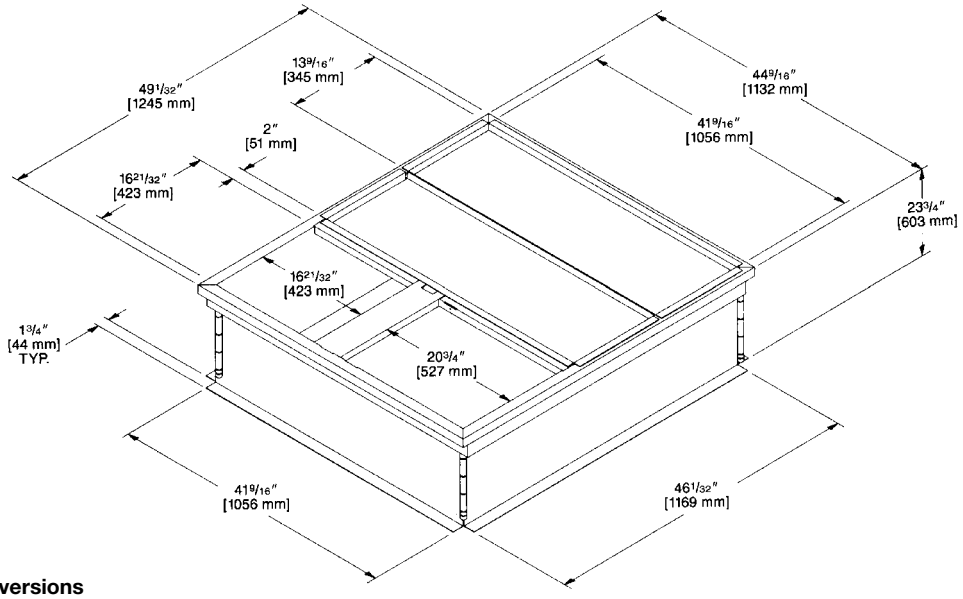
NOTE: PERIMETER OF ROOFCURB IS SUPPLIED WITH A NOMINAL 1" [25.4 mm] x 4" [102 mm] PINE NAILING STRIP.

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



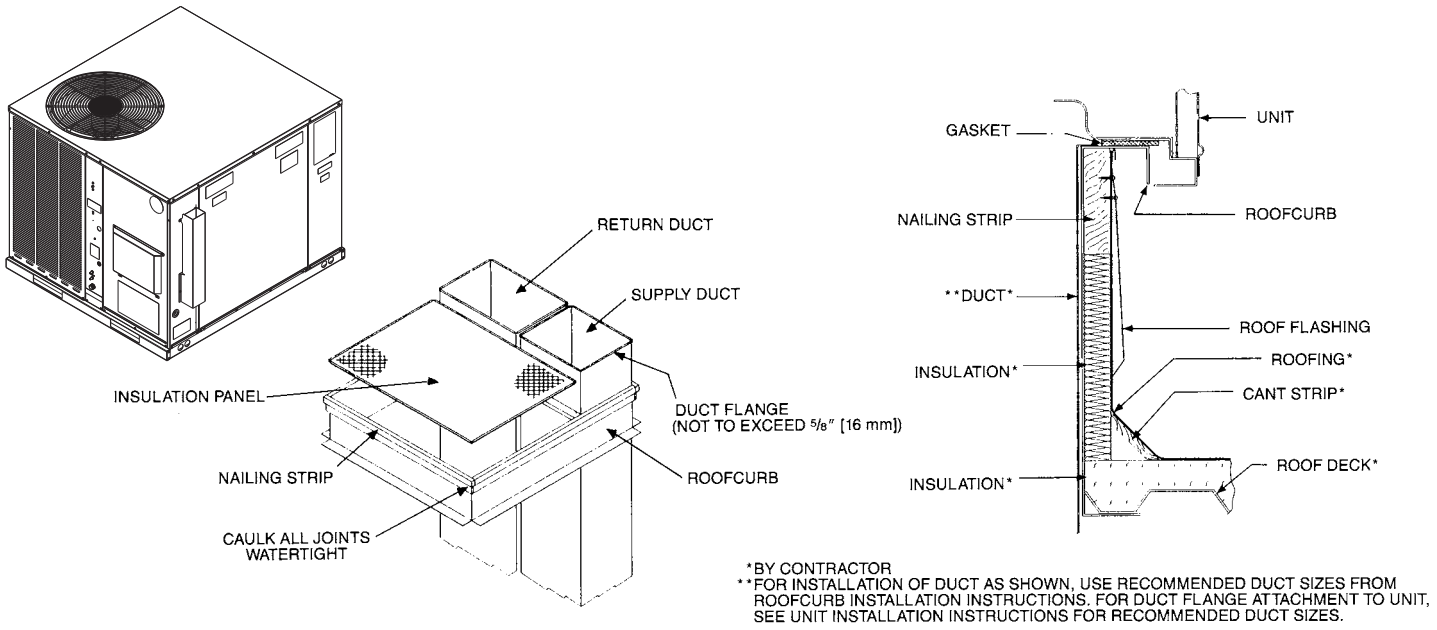
NOTE: PERIMETER OF ROOFCURB IS SUPPLIED WITH A NOMINAL 1" [25.4 mm] x 4" [102 mm] PINE NAILING STRIP.

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



[ ] Designates Metric Conversions

PACKAGE AIR CONDITIONERS & PACKAGE GAS/ELECTRIC UNITS ROOFCURB INSTALLATION (Full Perimeter)



*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.

ROOFCURB ADAPTERS

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

OLD MODEL		OLD CURB MODEL	NEW MODEL TO OLD MODEL ROOFCURB ADAPTER	NEW MODEL PACKAGE
SMALL CABINET (1½-2 TON) [5.28-7.03 kW] RSNC-, RSND-, RSNE- RRGE-, RRGF-, RRGG-, RSNY	20 SERIES	RXPA-CA20 (1) RXRA-DB20 (2)	RXPX-BACCA20 RXRX-BACDB20 RXPX-BACCA21 RXRX-BACDB21 RXPX-BCCCA22 RXRX-BCCDB22 RXPX-BCCCA23 RXRX-BCCDB23	ONLY 1 CABINET SIZE— ALL MODELS TZGE
MEDIUM CABINET (2½-3 TON) [8.79-10.55 kW] RSNC-, RSND-, RSNE- RRGE-, RRGF-, RRGG-, RSNY	21 SERIES	RXPA-CA21 (1) RXRA-DB21 (2)		
LARGE CABINET (3-3½ TON) [10.55-12.31 kW] RRGE-, RRGF-, RRGG-, RSNY	22 SERIES	RXPA-CA22 (1) RXRA-DB22 (2)		
EXTRA LARGE CABINET (3½-5 TON) [12.31-17.6 kW] RSNC-, RSND-, RSNE- RRGE-, RRGF-, RRGG-, RSNY (4-5 TON) [14.07-17.58 kW]	23 SERIES	RXPA-CA23 (1) RXRA-DB23 (2)		

(1) SLOPE TYPE
(2) FULL PERIMETER TYPE

[ ] Designates Metric Conversions

PRINTING INSTRUCTIONS: MAKE EXACTLY 8.0 IN X 10.0 IN. WHITE BACKGROUND WITH BLACK PRINTING

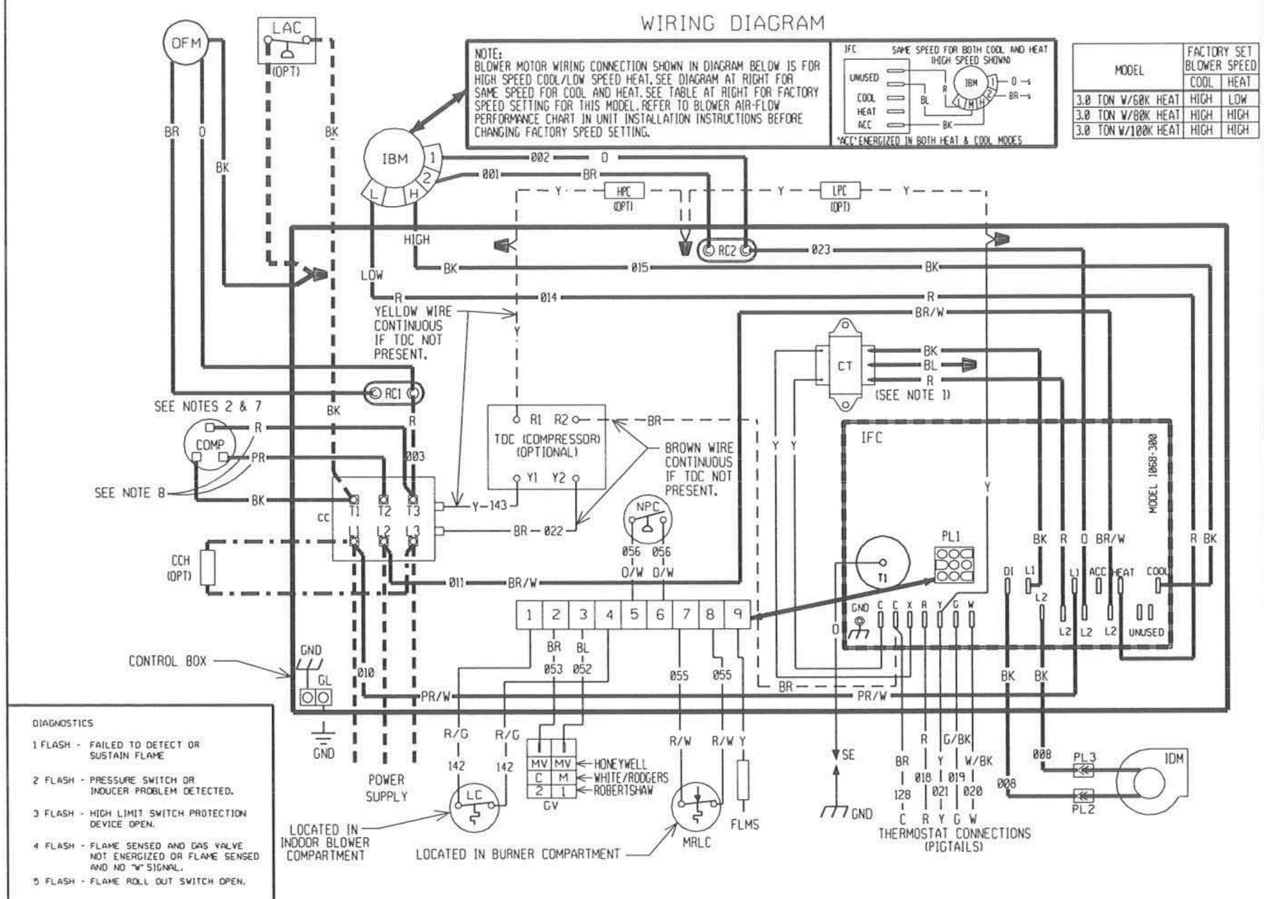
MATERIAL: PRESSURE SENSITIVE, ADHESIVE BACKED LABEL

REVISIONS

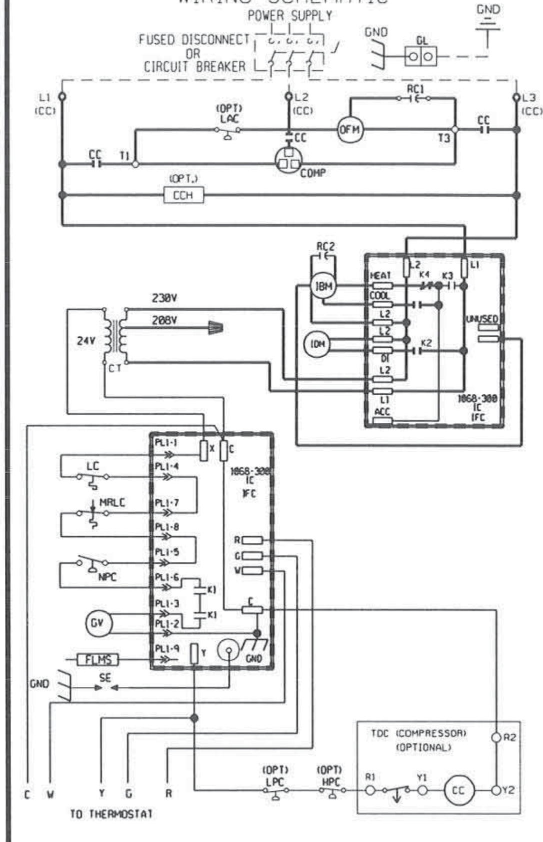
WIRING DIAGRAM

NOTE:
BLOWER MOTOR WIRING CONNECTION SHOWN IN DIAGRAM BELOW IS FOR HIGH SPEED COOL/LOW SPEED HEAT. SEE DIAGRAM AT RIGHT FOR SAME SPEED FOR COOL AND HEAT. 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 SET BLOWER SPEED	
	COOL	HEAT
3.0 TON W/60K HEAT	HIGH	LOW
3.0 TON W/80K HEAT	HIGH	HIGH
3.0 TON W/100K HEAT	HIGH	HIGH



WIRING SCHEMATIC



WIRING INFORMATION

LINE VOLTAGE
- FACTORY STANDARD ————
- FACTORY OPTION —·—·—·—
- FIELD INSTALLED - - - - - -

LOW VOLTAGE
- FACTORY STANDARD —·—·—·—
- FIELD INSTALLED - - - - - -

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

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

NOTES

1. MAIN UNIT TRANSFORMER PRIMARY LEADS: 60 HZ. RED-COMMON BLUE-208 V BLACK-230 V INTERCHANGE BLACK & BLUE LEADS FOR 208 V TRANSFORMER OPERATION.
2. MOTORS & COMPRESSOR THERMALLY PROTECTED.
3. CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
4. CONNECT FIELD WIRING IN GROUNDED RAINTIGHT CONDUIT TO 60 HZ FUSED DISCONNECT.
5. LOW VOLTAGE CIRCUIT IS N.E.C. CLASS 2 WITH A CLASS 2 TRANSFORMER 24 VOLT, 50/60 HERTZ SUPPLIED.
6. REPLACEMENT FUSES MUST BE SAME TYPE & SIZE AS ORIGINAL.
7. COMPRESSOR PROTECTED UNDER PRIMARY SINGLE - PHASE CONDITIONS.
8. COMPRESSOR WIRES ARE ALL BLACK FOR UNITS WITHOUT MOLDED COMPRESSOR PLUG.

COMPONENT CODES

CC	COMPRESSOR CONTACTOR	LPC	LOW PRESSURE CONTROL
CCH	CRANKCASE HEATER	MRLC	MAN. RESET LIMIT CONTROL
COMP	COMPRESSOR	NPC	NEG. PRESSURE CONTROL
CT	CONTROL TRANSFORMER	OFM	OUTDOOR FAN MOTOR
FLMS	FLAME SENSOR	OPT	OPTIONAL
GL	GROUND LUG	PL	PLUG
GND	GROUND	RC	RUN CAPACITOR
GV	GAS VALVE	SE	SPARK ELECTRODE
HPC	HIGH PRESSURE CONTROL	TDC	TIME DELAY CONTROL
IBM	INDOOR BLOWER MOTOR	(wire nut symbol)	WIRE NUT
IDM	INDUCED DRAFT MOTOR		
IFC	ITEGRATED FURNACE CONTROL		
HGS	HOT GAS SENSOR		
LAC	LOW AMBIENT COOLING CONTROL		
LC	LIMIT CONTROL		

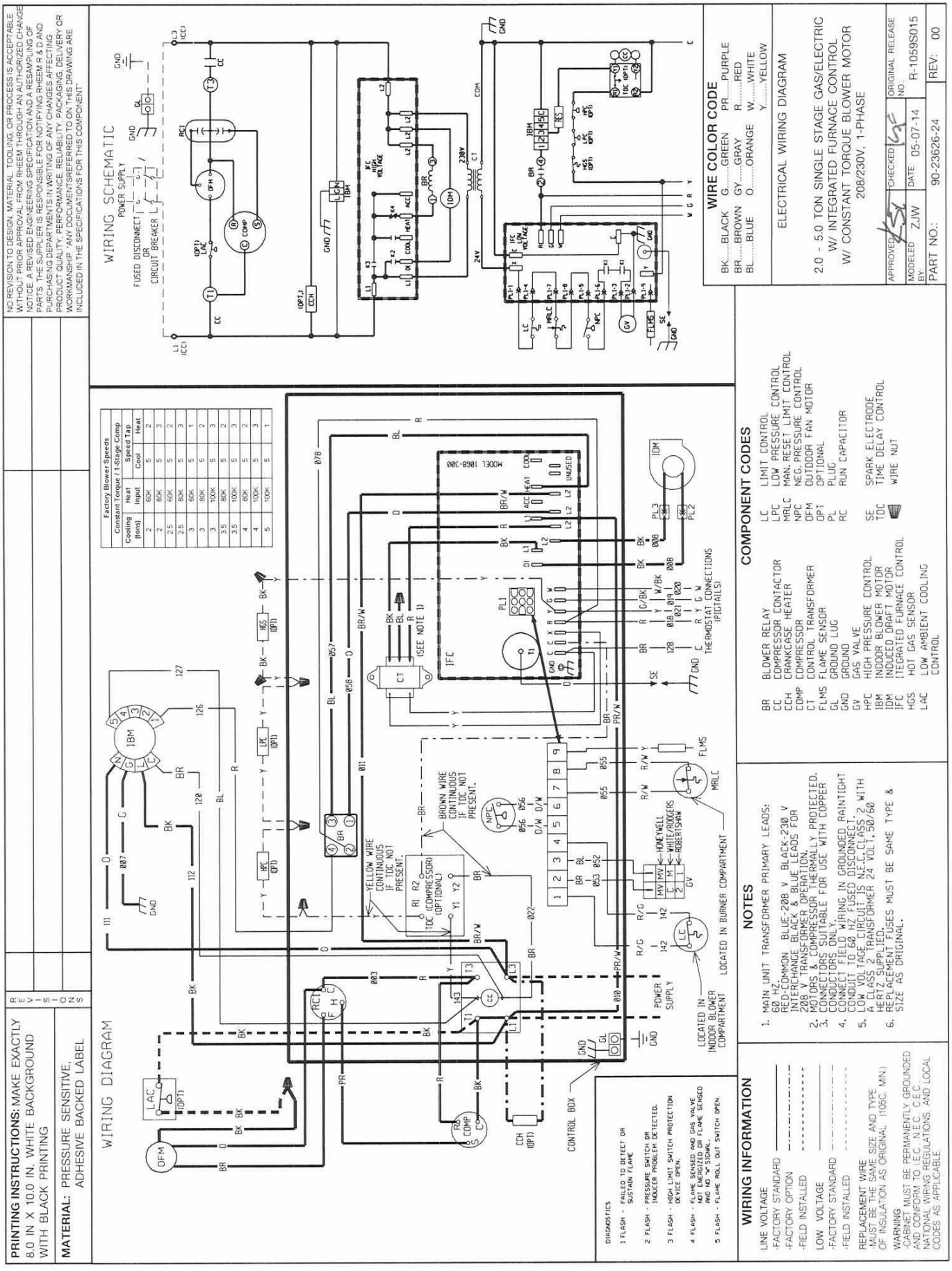
WIRE COLOR CODE

BK......BLACK	G........GREEN	PR......PURPLE
BR......BROWN	GY......GRAY	R........RED
BL.......BLUE	O........ORANGE	W.......WHITE
		Y........YELLOW

ELECTRICAL WIRING DIAGRAM

3.0 TON GAS/ELECTRIC
W/ INTEGRATED FURNACE CONTROL
W/PSC BLOWER MOTOR
208/230V, 3-PHASE

APPROVED:	CHECKED:	ORIGINAL RELEASE NO.:
MODELED BY: ZJW	DATE: 05-07-14	R-1059S015
PART NO.: 90-23626-23		REV: 00


WIRING DIAGRAM
WIRING SCHEMATIC
POWER SUPPLY
FUSED DISCONNECT DS
CIRCUIT BREAKER L
WIRE COLOR CODE
BK.....BLACK G.....GREEN PR.....PURPLE
BR.....BROWN GY.....GRAY R.....RED
BL.....BLUE O.....ORANGE W.....WHITE
Y.....YELLOW
ELECTRICAL WIRING DIAGRAM
2.0 - 5.0 TON SINGLE STAGE GAS/ELECTRIC
W/ INTEGRATED FURNACE CONTROL
W/ CONSTANT TORQUE BLOWER MOTOR
208/230V, 1-PHASE
PART NO.: 90-23626-24
REV: 00
MODELED BY: ZJW
DATE: 05-07-14
ORIGINAL RELEASE NO. R-1059S015
APPROVED
CHECKED
PRINTING INSTRUCTIONS: MAKE EXACTLY 8.0 IN X 10.0 IN. WHITE BACKGROUND WITH BLACK PRINTING
MATERIAL: PRESSURE SENSITIVE, ADHESIVE BACKED LABEL
NO REVISION TO DESIGN, MATERIAL, TOOLING, OR PROCESS IS ACCEPTABLE WITHOUT PRIOR APPROVAL FROM RHEEM, THROUGH AN AUTHORIZED CHANGE NOTICE. A REVISED ENGINEERING SPECIFICATION AND A RESAMPLING OF PARTS. THE SUPPLIER IS RESPONSIBLE FOR NOTIFYING RHEEM R & D AND PURCHASING DEPARTMENTS IN WRITING OF ANY CHANGES AFFECTING PRODUCT QUALITY, PERFORMANCE, RELIABILITY, PACKAGING, DELIVERY OR WORKMANSHIP. ANY DOCUMENTS REFERRED TO ON THIS DRAWING ARE INCLUDED IN THE SPECIFICATIONS FOR THIS COMPONENT
Factory Blower Speeds
Constant Torque / 1-Stage Comp
Cooling (tons) | Heat Input | Speed Tap Cool | Heat
2 | 60K | 5 | 2
2 | 80K | 5 | 3
2.5 | 60K | 5 | 2
2.5 | 80K | 5 | 3
3 | 60K | 5 | 1
3 | 80K | 5 | 2
3 | 100K | 5 | 3
3.5 | 80K | 5 | 2
3.5 | 100K | 5 | 3
4 | 80K | 5 | 2
4 | 100K | 5 | 3
5 | 100K | 5 | 1
MODEL 1868-300
COMPONENT CODES
BR BLOWER RELAY
CC COMPRESSOR CONTACTOR
CCH CRANKCASE HEATER
COMP COMPRESSOR
CT CONTROL TRANSFORMER
FLMS FLAME SENSOR
GL GROUND LUG
GND GROUND
GV GAS VALVE
HPC HIGH PRESSURE CONTROL
IBM INDOOR BLOWER MOTOR
IDM INDUCED DRAFT MOTOR
IFC INTEGRATED FURNACE CONTROL
HOS HOT GAS SENSOR
LAC LOW AMBIENT COOLING CONTROL
LC LIMIT CONTROL
LPC LOW PRESSURE CONTROL
MRLC MAN. RESET LIMIT CONTROL
NPC NEG. PRESSURE CONTROL
OFM OUTDOOR FAN MOTOR
OPT OPTIONAL
PL PLUG
RC RUN CAPACITOR
SE SPARK ELECTRODE
TDC TIME DELAY CONTROL
WIRE NUT
NOTES
1. MAIN UNIT TRANSFORMER PRIMARY LEADS: 60 HZ. RED-COMMON BLUE-208 V BLACK-230 V INTERCHANGE BLACK & BLUE LEADS FOR 208 V TRANSFORMER OPERATION.
2. MOTORS & COMPRESSOR THERMALLY PROTECTED.
3. CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
4. CONNECT FIELD WIRING IN GROUNDED RAINTIGHT CONDUIT TO 60 HZ FUSED DISCONNECT.
5. LOW VOLTAGE CIRCUIT IS N.E.C. CLASS 2 WITH A CLASS 2 TRANSFORMER 24 VOLT, 50/60 HERTZ SUPPLIED.
6. REPLACEMENT FUSES MUST BE SAME TYPE & SIZE AS ORIGINAL.
WIRING INFORMATION
LINE VOLTAGE
-FACTORY STANDARD
-FACTORY OPTION
-FIELD INSTALLED
LOW VOLTAGE
-FACTORY STANDARD
-FIELD INSTALLED
REPLACEMENT WIRE
-MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (105C. MIN.)
WARNING
-CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO N.E.C. OR C.E.C. NATIONAL WIRING REGULATIONS AND LOCAL CODES AS APPLICABLE
DIAGNOSTICS
1 FLASH - FAILED TO DETECT OR SUSTAIN FLAME
2 FLASH - PRESSURE SWITCH OR INDUCER PROBLEM DETECTED.
3 FLASH - HIGH LIMIT SWITCH PROTECTION DEVICE OPEN.
4 FLASH - FLAME SENSED AND GAS VALVE NOT ENERGIZED OR FLAME SENSED AND NO "W" SIGNAL.
5 FLASH - FLAME ROLL OUT SWITCH OPEN.
LOCATED IN INDOOR BLOWER COMPARTMENT
LOCATED IN BURNER COMPARTMENT
CONTROL BOX
POWER SUPPLY
THERMOSTAT CONNECTIONS (PIGTAILS)
HONEYWELL
WHITE-RODGERS
ISEE NOTE 1)
YELLOW WIRE CONTINUOUS IF TDC NOT PRESENT.
BROWN WIRE CONTINUOUS IF TDC NOT PRESENT.

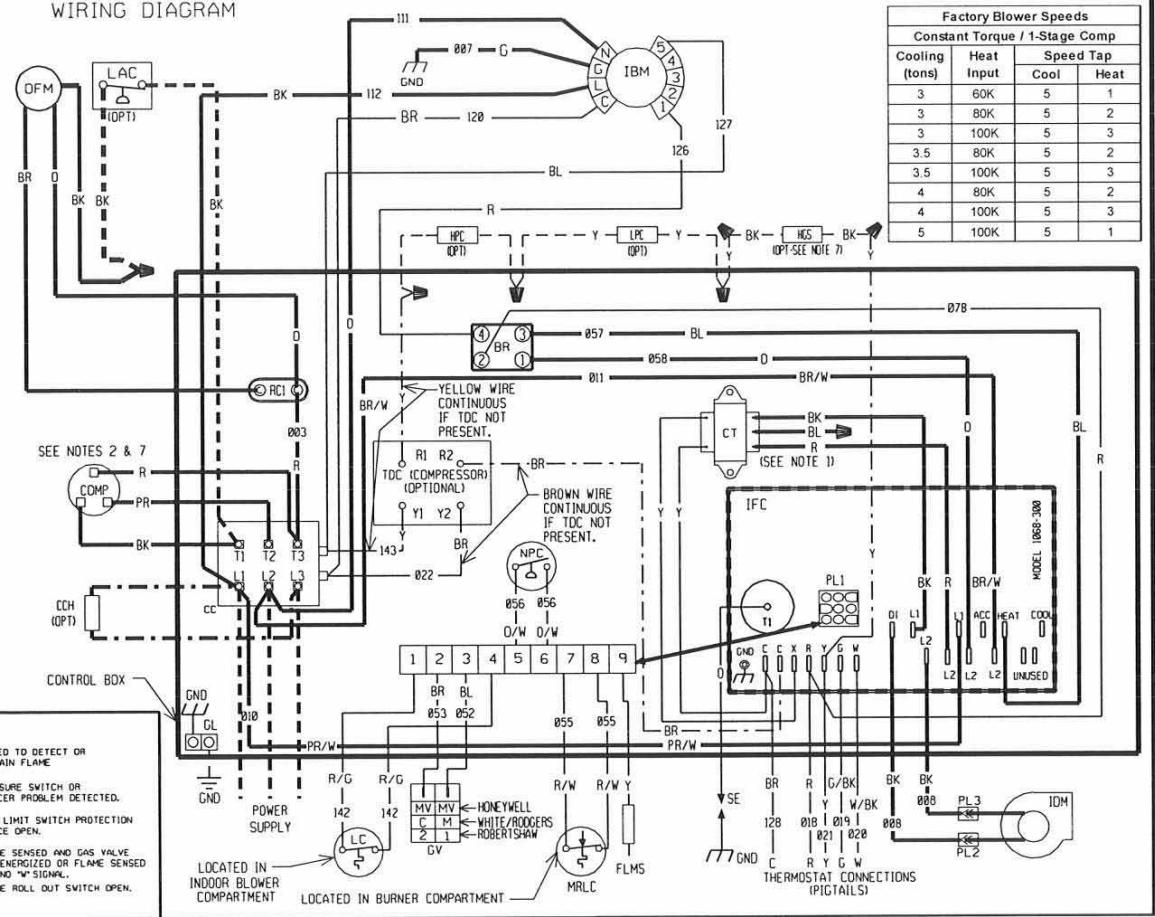
PRINTING INSTRUCTIONS: MAKE EXACTLY 8.0 IN X 10.0 IN. WHITE BACKGROUND WITH BLACK PRINTING

MATERIAL: PRESSURE SENSITIVE, ADHESIVE BACKED LABEL

REVISIONS

NO REVISION TO DESIGN, MATERIAL, TOOLING, OR PROCESS IS ACCEPTABLE WITHOUT PRIOR APPROVAL FROM RHEEM THROUGH AN AUTHORIZED CHANGE NOTICE. A REVISED ENGINEERING SPECIFICATION AND A RESAMPLING OF PARTS. THE SUPPLIER IS RESPONSIBLE FOR NOTIFYING RHEEM R & D AND PURCHASING DEPARTMENTS IN WRITING OF ANY CHANGES AFFECTING PRODUCT QUALITY, PERFORMANCE, RELIABILITY, PACKAGING, DELIVERY OR WORKMANSHIP. "ANY DOCUMENTSREFERRED TO ON THIS DRAWING ARE INCLUDED IN THE SPECIFICATIONS FOR THIS COMPONENT".

WIRING DIAGRAM



Factory Blower Speeds			
Constant Torque / 1-Stage Comp			
Cooling (tons)	Heat Input	Speed Tap	
		Cool	Heat
3	60K	5	1
3	80K	5	2
3	100K	5	3
3.5	80K	5	2
3.5	100K	5	3
4	80K	5	2
4	100K	5	3
5	100K	5	1

DIAGNOSTICS

1 FLASH - FAILED TO DETECT OR SUSTAIN FLAME

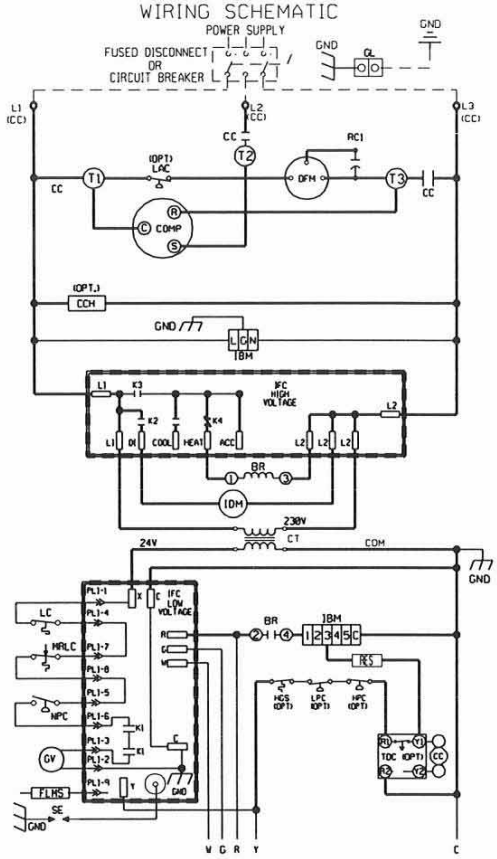
2 FLASH - PRESSURE SWITCH OR INDUCER PROBLEM DETECTED.

3 FLASH - HIGH LIMIT SWITCH PROTECTION DEVICE OPEN.

4 FLASH - FLAME SENSED AND GAS VALVE NOT ENERGIZED OR FLAME SENSED AND NO "W" SIGNAL.

5 FLASH - FLAME ROLL OUT SWITCH OPEN.

WIRING SCHEMATIC



WIRE COLOR CODE

BK.....BLACK	G.....GREEN	PR.....PURPLE
BR.....BROWN	GY.....GRAY	R.....RED
BL.....BLUE	O.....ORANGE	W.....WHITE
		Y.....YELLOW

WIRING INFORMATION

LINE VOLTAGE
-FACTORY STANDARD
-FACTORY OPTION
-FIELD INSTALLED

LOW VOLTAGE
-FACTORY STANDARD
-FIELD INSTALLED

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

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

NOTES

1. MAIN UNIT TRANSFORMER PRIMARY LEADS: 60 HZ. RED-COMMON BLUE-208 V BLACK-230 V INTERCHANGE BLACK & BLUE LEADS FOR 208 V TRANSFORMER OPERATION.
2. MOTORS & COMPRESSOR THERMALLY PROTECTED.
3. CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
4. CONNECT FIELD WIRING IN GROUNDED RAINTIGHT CONDUIT TO 60 HZ FUSED DISCONNECT.
5. LOW VOLTAGE CIRCUIT IS N.E.C. CLASS 2 WITH A CLASS 2 TRANSFORMER 24 VOLT, 50/60 HERTZ SUPPLIED.
6. REPLACEMENT FUSES MUST BE SAME TYPE & SIZE AS ORIGINAL.
7. COMPRESSOR PROTECTED UNDER PRIMARY SINGLE PHASE CONDITIONS.

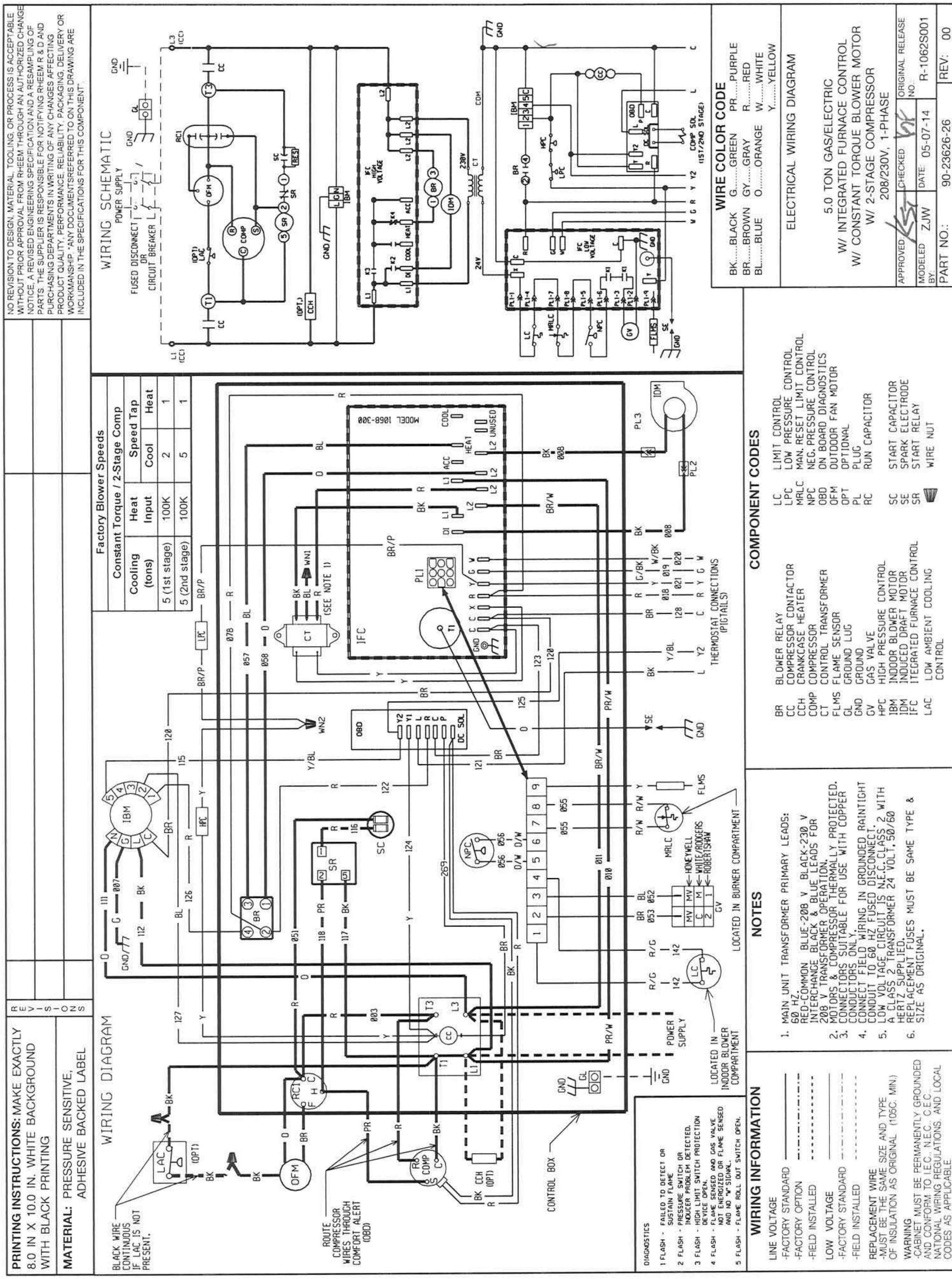
COMPONENT CODES

BR	BLOWER RELAY	LC	LIMIT CONTROL
CC	COMPRESSOR CONTACTOR	LPC	LOW PRESSURE CONTROL
CCH	CRANKCASE HEATER	MRLC	MAN. RESET LIMIT CONTROL
COMP	COMPRESSOR	NPC	NEG. PRESSURE CONTROL
CT	CONTROL TRANSFORMER	OFM	OUTDOOR FAN MOTOR
FLMS	FLAME SENSOR	OPT	OPTIONAL
GL	GROUND LUG	PL	PLUG
GND	GROUND	RC	RUN CAPACITOR
GV	GAS VALVE	RES	RESISTOR
HPC	HIGH PRESSURE CONTROL	SE	SPARK ELECTRODE
IBM	INDOOR BLOWER MOTOR	TDC	TIME DELAY CONTROL
IDM	INDUCED DRAFT MOTOR		WIRE NUT
IFC	ITEGRATED FURNACE CONTROL		
HGS	HOT GAS SENSOR		
LAC	LOW AMBIENT COOLING CONTROL		

ELECTRICAL WIRING DIAGRAM

3.0 - 5.0 TON SINGLE STAGE GAS/ELECTRIC
W/ INTEGRATED FURNACE CONTROL
W/ CONSTANT TORQUE BLOWER MOTOR
208/230V, 3-PHASE

APPROVED: KST	CHECKED: KK	ORIGINAL RELEASE NO.:
MODELED BY: ZJW	DATE: 05-07-14	R-1059S015
PART NO.: 90-23626-25		REV: 00


PRINTING INSTRUCTIONS: MAKE EXACTLY 8.0 IN X 10.0 IN. WHITE BACKGROUND WITH BLACK PRINTING
MATERIAL: PRESSURE SENSITIVE, ADHESIVE BACKED LABEL
WIRING DIAGRAM
WIRING SCHEMATIC
Factory Blower Speeds
Constant Torque / 2-Stage Comp
Cooling (tons)
Heat Input
Speed Tap
Cool
Heat
5 (1st stage)
100K
2
1
5 (2nd stage)
100K
5
1
COMPONENT CODES
NOTES
WIRING INFORMATION
WIRE COLOR CODE
BK.....BLACK G.....GREEN PR.....PURPLE
BR.....BROWN GY.....GRAY R.....RED
BL.....BLUE O.....ORANGE W.....WHITE
Y.....YELLOW
ELECTRICAL WIRING DIAGRAM
5.0 TON GAS/ELECTRIC
W/ INTEGRATED FURNACE CONTROL
W/ CONSTANT TORQUE BLOWER MOTOR
W/ 2-STAGE COMPRESSOR
208/230V, 1-PHASE
R-1062S001
05-07-14
90-23626-26
REV: 00

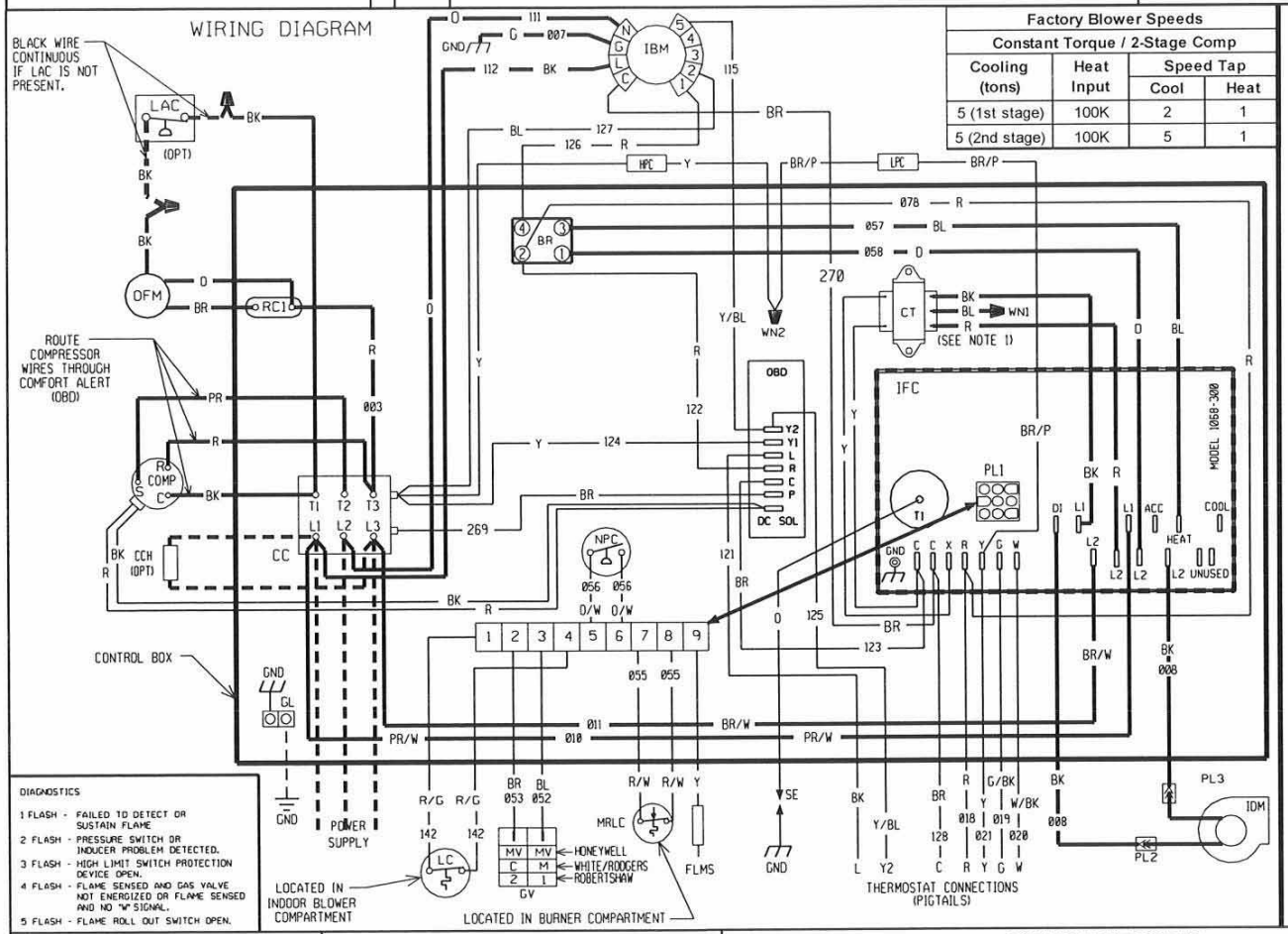
PRINTING INSTRUCTIONS: MAKE EXACTLY 8.0 IN X 10.0 IN. WHITE BACKGROUND WITH BLACK PRINTING

MATERIAL: PRESSURE SENSITIVE, ADHESIVE BACKED LABEL

REVISIONS

NO REVISION TO DESIGN, MATERIAL, TOOLING, OR PROCESS IS ACCEPTABLE WITHOUT PRIOR APPROVAL FROM RHEEM THROUGH AN AUTHORIZED CHANGE NOTICE, A REVISED ENGINEERING SPECIFICATION AND A RESAMPLING OF PARTS. THE SUPPLIER IS RESPONSIBLE FOR NOTIFYING RHEEM R & D AND PURCHASING DEPARTMENTS IN WRITING OF ANY CHANGES AFFECTING PRODUCT QUALITY, PERFORMANCE, RELIABILITY, PACKAGING, DELIVERY OR WORKMANSHIP. "ANY DOCUMENTSREFERRED TO ON THIS DRAWING ARE INCLUDED IN THE SPECIFICATIONS FOR THIS COMPONENT".

WIRING DIAGRAM

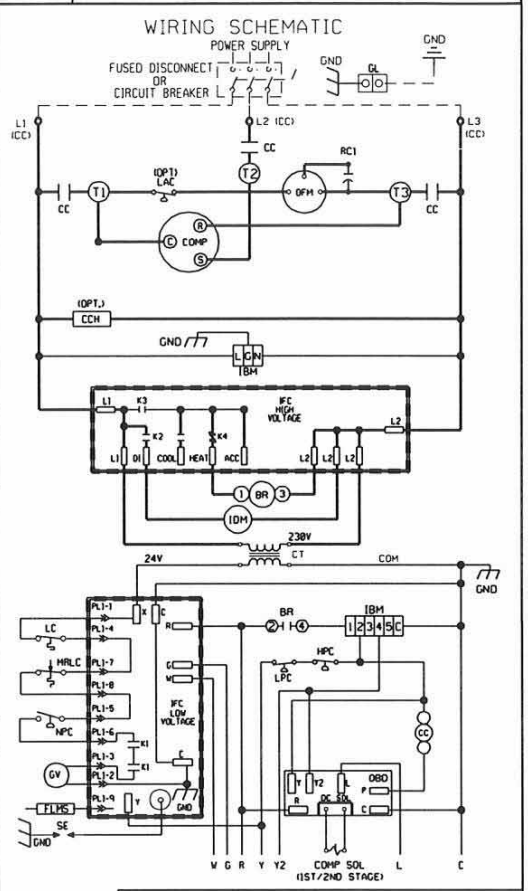


Factory Blower Speeds

Constant Torque / 2-Stage Comp

Cooling (tons)	Heat Input	Speed Tap	
		Cool	Heat
5 (1st stage)	100K	2	1
5 (2nd stage)	100K	5	1

WIRING SCHEMATIC



WIRE COLOR CODE

BK.....BLACK	G.....GREEN	PR.....PURPLE
BR.....BROWN	GY.....GRAY	R.....RED
BL.....BLUE	O.....ORANGE	W.....WHITE
		Y.....YELLOW

DIAGNOSTICS

1 FLASH - FAILED TO DETECT OR SUSTAIN FLAME
2 FLASH - PRESSURE SWITCH OR INDUCER PROBLEM DETECTED.
3 FLASH - HIGH LIMIT SWITCH PROTECTION DEVICE OPEN.
4 FLASH - FLAME SENSED AND GAS VALVE NOT ENERGIZED OR FLAME SENSED AND NO "W" SIGNAL.
5 FLASH - FLAME ROLL OUT SWITCH OPEN.

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 (105C. MIN.)

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

NOTES

1. MAIN UNIT TRANSFORMER PRIMARY LEADS: 60 HZ. RED-COMMON BLUE-208 V BLACK-230 V INTERCHANGE BLACK & BLUE LEADS FOR 208 V TRANSFORMER OPERATION.
2. MOTORS & COMPRESSOR THERMALLY PROTECTED.
3. CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
4. CONNECT FIELD WIRING IN GROUNDED RAINTIGHT CONDUIT TO 60 HZ FUSED DISCONNECT.
5. LOW VOLTAGE CIRCUIT IS N.E.C. CLASS 2 WITH A CLASS 2 TRANSFORMER 24 VOLT, 50/60 HERTZ SUPPLIED.
6. REPLACEMENT FUSES MUST BE SAME TYPE & SIZE AS ORIGINAL.

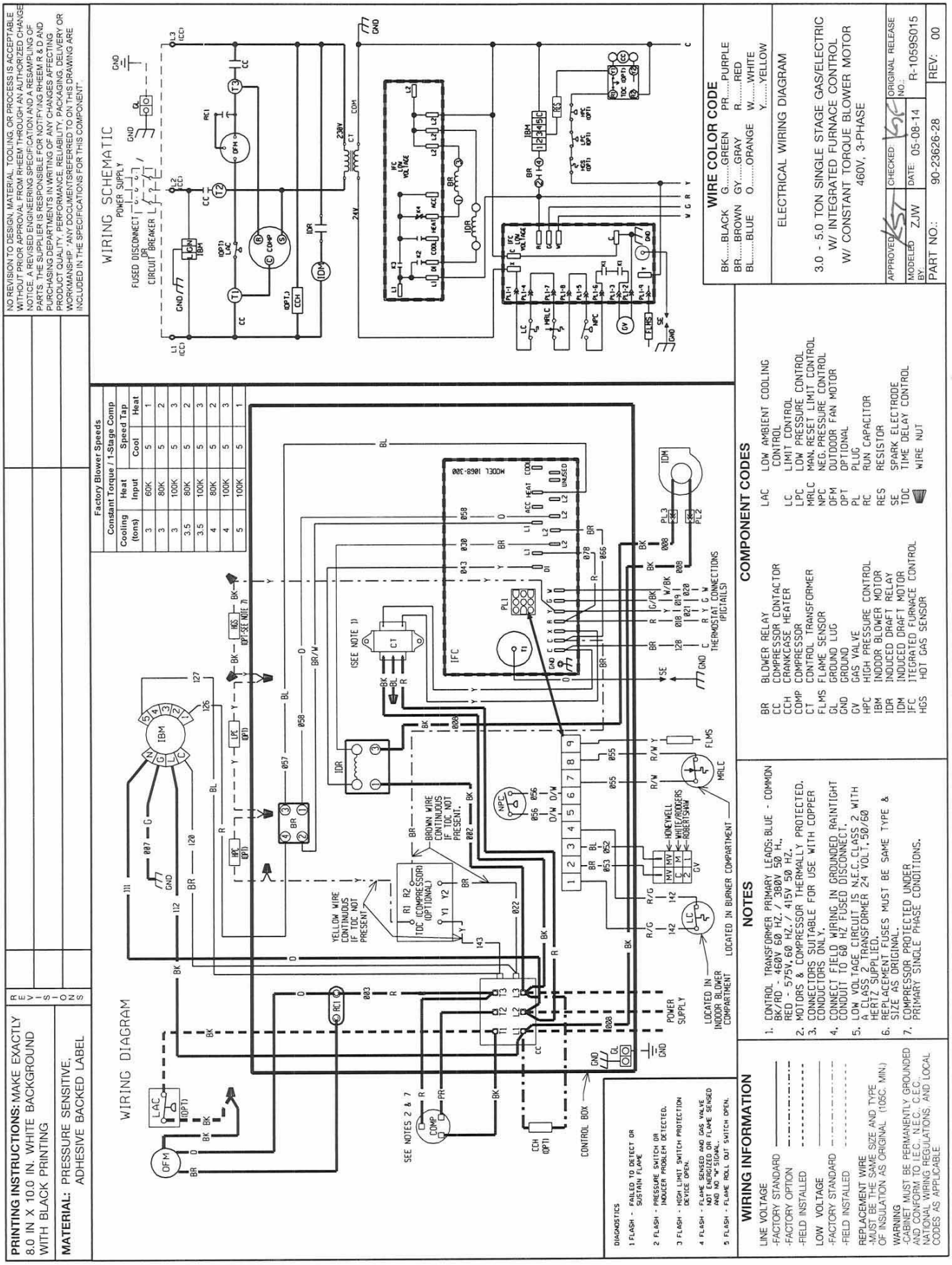
COMPONENT CODES

BR	BLOWER RELAY	LC	LIMIT CONTROL
CC	COMPRESSOR CONTACTOR	LPC	LOW PRESSURE CONTROL
CCH	CRANKCASE HEATER	MRLC	MAN. RESET LIMIT CONTROL
COMP	COMPRESSOR	NPC	NEC. PRESSURE CONTROL
CT	CONTROL TRANSFORMER	OBD	ON BOARD DIAGNOSTICS
FLMS	FLAME SENSOR	OFM	OUTDOOR FAN MOTOR
GL	GROUND LUG	OPT	OPTIONAL
GND	GROUND	PL	PLUG
GV	GAS VALVE	RC	RUN CAPACITOR
HPC	HIGH PRESSURE CONTROL		
IBM	INDOOR BLOWER MOTOR	SC	START CAPACITOR
IDM	INDUCED DRAFT MOTOR	SE	SPARK ELECTRODE
IFC	ITEGRATED FURNACE CONTROL	SR	START RELAY
LAC	LOW AMBIENT COOLING CONTROL		WIRE NUT

ELECTRICAL WIRING DIAGRAM

5.0 TON GAS/ELECTRIC
W/ INTEGRATED FURNACE CONTROL
W/ CONSTANT TORQUE BLOWER MOTOR
W/ 2-STAGE COMPRESSOR
208/230V, 3-PHASE

APPROVED:	CHECKED:	ORIGINAL RELEASE NO.:	
MODELED BY: ZJW	DATE: 05-07-14	R-1062S001	
PART NO.: 90-23626-27		REV: 00	


PRINTING INSTRUCTIONS: MAKE EXACTLY 8.0 IN X 10.0 IN. WHITE BACKGROUND WITH BLACK PRINTING
MATERIAL: PRESSURE SENSITIVE, ADHESIVE BACKED LABEL
NO REVISION TO DESIGN, MATERIAL, TOOLING, OR PROCESS IS ACCEPTABLE WITHOUT PRIOR APPROVAL FROM RHEEM THROUGH AN AUTHORIZED CHANGE NOTICE. A REVISED ENGINEERING SPECIFICATION AND A RESAMPLING OF PARTS. THE SUPPLIER IS RESPONSIBLE FOR NOTIFYING RHEEM R & D AND PURCHASING DEPARTMENTS IN WRITING OF ANY CHANGES AFFECTING PRODUCT QUALITY, PERFORMANCE, RELIABILITY, PACKAGING, DELIVERY OR WORKMANSHIP. ANY DOCUMENTS REFERRED TO ON THIS DRAWING ARE INCLUDED IN THE SPECIFICATIONS FOR THIS COMPONENT.
WIRING SCHEMATIC
POWER SUPPLY
FUSED DISCONNECT OR CIRCUIT BREAKER
WIRING DIAGRAM
Factory Blower Speeds
Constant Torque / 1-Stage Comp
Cooling (tons) | Heat Input | Speed Tap Cool | Heat
3 | 60K | 5 | 1
3 | 80K | 5 | 2
3 | 100K | 5 | 3
3.5 | 80K | 5 | 2
3.5 | 100K | 5 | 3
4 | 80K | 5 | 2
4 | 100K | 5 | 3
5 | 100K | 5 | 1
WIRE COLOR CODE
BK.....BLACK G.....GREEN PR.....PURPLE
BR.....BROWN GY.....GRAY R.....RED
BL.....BLUE O.....ORANGE W.....WHITE
Y.....YELLOW
ELECTRICAL WIRING DIAGRAM
3.0 - 5.0 TON SINGLE STAGE GAS/ELECTRIC W/ INTEGRATED FURNACE CONTROL W/ CONSTANT TORQUE BLOWER MOTOR 460V, 3-PHASE
APPROVED: KST
CHECKED: KST
ORIGINAL RELEASE NO.: R-1059S015
MODELED BY: ZJW
DATE: 05-08-14
PART NO.: 90-23626-28
REV: 00
COMPONENT CODES
BR BLOWER RELAY
CC COMPRESSOR CONTACTOR
CCH CRANKCASE HEATER
COMP COMPRESSOR
CT CONTROL TRANSFORMER
FLMS FLAME SENSOR
GL GROUND LUG
GND GROUND
GV GAS VALVE
HPC HIGH PRESSURE CONTROL
IBM INDOOR BLOWER MOTOR
IDR INDUCED DRAFT RELAY
IDM INDUCED DRAFT MOTOR
IFC INTEGRATED FURNACE CONTROL
HGS HOT GAS SENSOR
LAC LOW AMBIENT COOLING CONTROL
LC LIMIT CONTROL
LPC LOW PRESSURE CONTROL
MRLC MAN. RESET LIMIT CONTROL
NPC NEG. PRESSURE CONTROL
OFM OUTDOOR FAN MOTOR
OPT OPTIONAL
PL PLUG
RC RUN CAPACITOR
RES RESISTOR
SE SPARK ELECTRODE
TDC TIME DELAY CONTROL
WIRE NUT
NOTES
1. CONTROL TRANSFORMER PRIMARY LEADS: BLUE - COMMON BK/RD - 460V, 60 HZ. / 380V, 50 HZ., RED - 575V, 60 HZ. / 415V, 50 HZ.
2. MOTORS & COMPRESSOR THERMALLY PROTECTED.
3. CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
4. CONNECT FIELD WIRING IN GROUNDED, RAINTIGHT CONDUIT TO 60 HZ FUSED DISCONNECT.
5. LOW VOLTAGE CIRCUIT IS N.E.C. CLASS 2 WITH A CLASS 2 TRANSFORMER 24 VOLT, 50/60 HERTZ SUPPLIED.
6. REPLACEMENT FUSES MUST BE SAME TYPE & SIZE AS ORIGINAL.
7. COMPRESSOR PROTECTED UNDER PRIMARY SINGLE PHASE CONDITIONS.
WIRING INFORMATION
LINE VOLTAGE
-FACTORY STANDARD
-FACTORY OPTION
-FIELD INSTALLED
LOW VOLTAGE
-FACTORY STANDARD
-FIELD INSTALLED
REPLACEMENT WIRE
-MUST BE THE SAME SIZE AND TYPE OF INSULATION AS ORIGINAL (105C MIN.)
WARNING
-CABINET MUST BE PERMANENTLY GROUNDED AND CONFORM TO I.E.C., N.E.C., C.E.C., NATIONAL WIRING REGULATIONS, AND LOCAL CODES AS APPLICABLE
DIAGNOSTICS
1 FLASH - FAILED TO DETECT OR SUSTAIN FLAME
2 FLASH - PRESSURE SWITCH OR INDUCER PROBLEM DETECTED.
3 FLASH - HIGH LIMIT SWITCH PROTECTION DEVICE OPEN.
4 FLASH - FLAME SENSED AND GAS VALVE NOT ENERGIZED OR FLAME SENSED AND NO "W" SIGNAL.
5 FLASH - FLAME ROLL OUT SWITCH OPEN.
LOCATED IN INDOOR BLOWER COMPARTMENT
LOCATED IN BURNER COMPARTMENT
CONTROL BOX
POWER SUPPLY
SEE NOTES 2 & 7
YELLOW WIRE CONTINUOUS IF TDC NOT PRESENT
BROWN WIRE CONTINUOUS IF TDC NOT PRESENT.
(SEE NOTE 1)
THERMOSTAT CONNECTIONS (PIGTAILS)
MODEL 1068-300
HONEYWELL
WHITE-RODGERS
ROBERTSHAW

PRINTING INSTRUCTIONS: MAKE EXACTLY 8.0 IN X 10.0 IN. WHITE BACKGROUND WITH BLACK PRINTING

MATERIAL: PRESSURE SENSITIVE, ADHESIVE BACKED LABEL

REVISIONS

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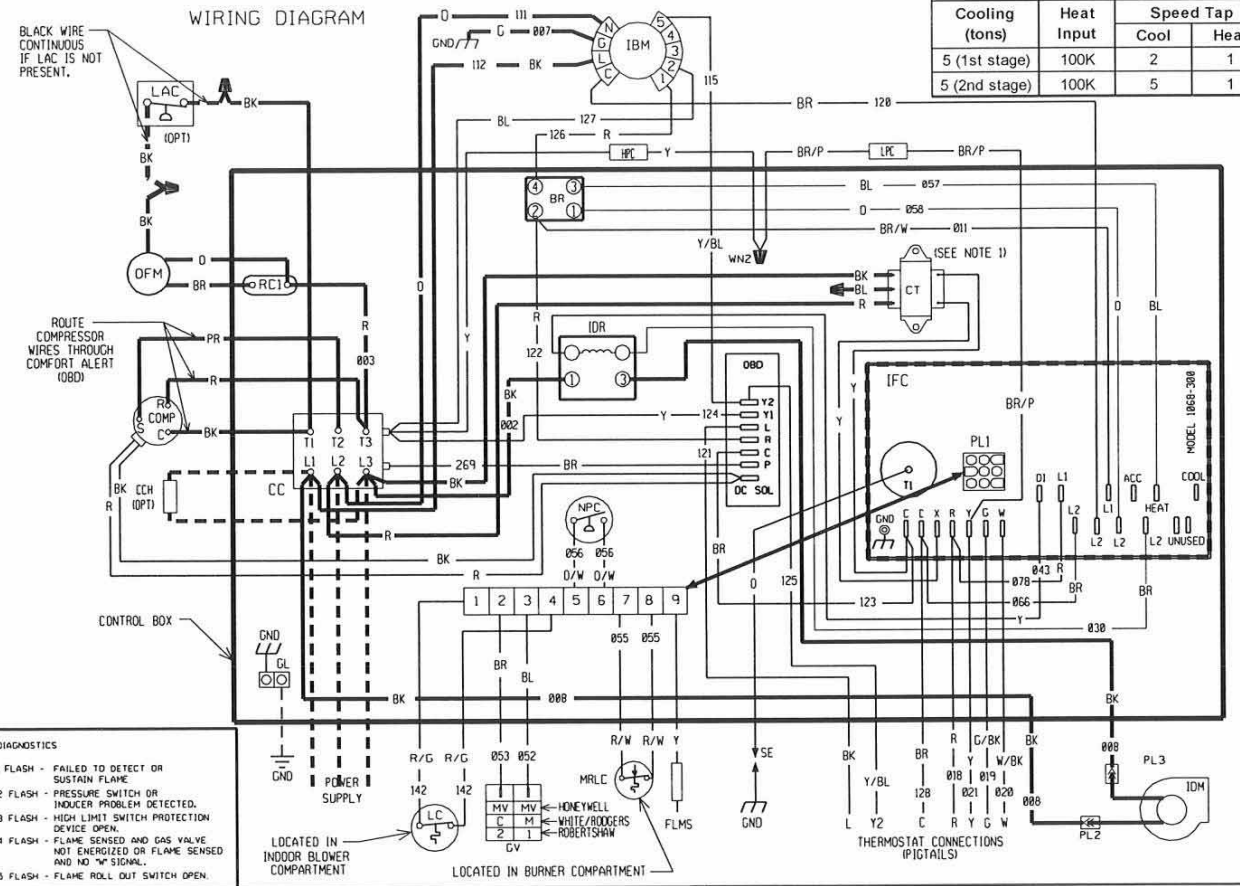
WIRING DIAGRAM

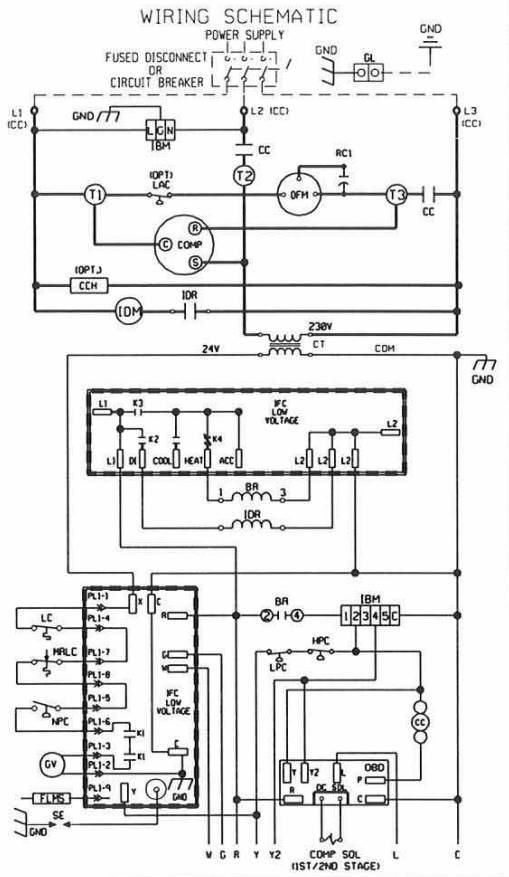


Factory Blower Speeds			
Constant Torque / 2-Stage Comp			
Cooling (tons)	Heat Input	Speed Tap	
		Cool	Heat
5 (1st stage)	100K	2	1
5 (2nd stage)	100K	5	1

DIAGNOSTICS

1 FLASH - FAILED TO DETECT OR SUSTAIN FLAME
2 FLASH - PRESSURE SWITCH OR INDUCER PROBLEM DETECTED.
3 FLASH - HIGH LIMIT SWITCH PROTECTION DEVICE OPEN.
4 FLASH - FLAME SENSED AND GAS VALVE NOT ENERGIZED OR FLAME SENSED AND NO "W" SIGNAL.
5 FLASH - FLAME ROLL OUT SWITCH OPEN.

WIRING SCHEMATIC



WIRE COLOR CODE

BK.....BLACK	G.....GREEN	PR.....PURPLE
BR.....BROWN	GY.....GRAY	R.....RED
BL.....BLUE	O.....ORANGE	W.....WHITE
		Y.....YELLOW

WIRING INFORMATION

LINE VOLTAGE
-FACTORY STANDARD ——————
-FACTORY OPTION —·—·—·—·—·—
-FIELD INSTALLED - - - - - - - -

LOW VOLTAGE
-FACTORY STANDARD —·—·—·—·—·—
-FIELD INSTALLED - - - - - - - -

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

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

NOTES

1. CONTROL TRANSFORMER PRIMARY LEADS: BLUE - COMMON BK/RD - 460V 60 HZ. / 380V 50 H., RED - 575V, 60 HZ. / 415V 50 HZ.
2. COMPRESSOR MOTOR THERMALLY PROTECTED. ALL 3 PHASE MODELS ARE PROTECTED UNDER PRIMARY SINGLE PHASE CONDITIONS.
3. CONNECTORS SUITABLE FOR USE WITH COPPER CONDUCTORS ONLY.
4. CONNECT FIELD WIRING IN GROUNDED RAINTIGHT CONDUIT TO 60 HZ FUSED DISCONNECT.
5. LOW VOLTAGE CIRCUIT IS N.E.C. CLASS 2 WITH A CLASS 2 TRANSFORMER 24 VOLT, 50/60 HERTZ SUPPLIED.
6. REPLACEMENT FUSES MUST BE SAME TYPE & SIZE AS ORIGINAL.

COMPONENT CODES

BR	BLOWER RELAY	LAC	LOW AMBIENT COOLING CONTROL
CC	COMPRESSOR CONTACTOR	LC	LIMIT CONTROL
CCH	CRANKCASE HEATER	LPC	LOW PRESSURE CONTROL
COMP	COMPRESSOR	MRLC	MAN. RESET LIMIT CONTROL
CT	CONTROL TRANSFORMER	NPC	NEG. PRESSURE CONTROL
FLMS	FLAME SENSOR	OBD	ON BOARD DIAGNOSTICS
GL	GROUND LUG	OFM	OUTDOOR FAN MOTOR
GND	GROUND	OPT	OPTIONAL
GV	GAS VALVE	PL	PLUG
HPC	HIGH PRESSURE CONTROL	RC	RUN CAPACITOR
IBM	INDOOR BLOWER MOTOR	SC	START CAPACITOR
IDM	INDUCED DRAFT MOTOR	SE	SPARK ELECTRODE
IDR	INDUCED DRAFT RELAY	SR	START RELAY
IFC	ITEGRATED FURNACE CONTROL		WIRE NUT

ELECTRICAL WIRING DIAGRAM

5.0 TON GAS/ELECTRIC
W/ INTEGRATED FURNACE CONTROL
W/ CONSTANT TORQUE BLOWER MOTOR
W/ 2-STAGE COMPRESSOR
460V, 3-PHASE

APPROVED: KST	CHECKED: KJE	ORIGINAL RELEASE NO.:	
MODELED BY: ZJW	DATE: 05-08-14	R-1062S001	
PART NO.: 90-23626-29		REV: 00	

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.

Heat Exchanger
- Factory Standard .....Ten (10) Years
- Stainless Steel/1-Phase & 3-Phase Models Commercial Application .....Twenty (20) Years
- Stainless Steel/1-Phase Models Residential Application .....Limited Lifetime

***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.**

Conditional Parts (Registration Required)
- 1 Phase, Residential Applications .....Ten (10) Years

Compressor
- 1 Phase, Residential Applications.....Ten (10) Years
- 1 & 3 Phase, Commercial Applications .....Five (5) Years

Parts
- Commercial Applications .....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."

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