



Endeavor® Line *Choice*® Series iR Residential Packaged Dedicated Horizontal Heat Pumps



RHPSYB

Nominal Sizes: 2 to 5 Tons [7.0 to 17.6 kW]

Cooling Efficiency: 13.4 SEER2

Heating Efficiency: 6.7 HSPF2

Refrigerant Type: R-454B



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FEATURES AND BENEFITS

- **Energy-efficient:** Eco-friendly R-454B Refrigerant offering reduced carbon footprint
- **First in Industry Patented Hot Gas Defrost:** Ensures complete, worry-free defrost
- **Quality Compressor:** State of the art scroll compressor is standard on all models offering superior efficiency, and reliability
- **Hi/Low Pressure Switches:** Ensure long compressor life
- **All Aluminum Coils:** Provides high corrosion resistance, lower refrigerant volume
- **Designed Using Galvanized Steel:** The finish passes 950 hours of salt spray per ASTM® Std. B117, offering enhanced durability
- **Compact Footprint and Profile:** Make the RHPSYB Series easy to transport and install
- **0" Clearance:** To combustibles on duct side of the unit allows for installations in tight areas
- **Wire Guard Coated with Eco-Friendly Epoxy and Plastic Mesh Hall Guard:** A guard that will never rust and protects the unit's coil from being damaged
- **Raised Base Pan:** Allows water to drain away from the unit
- **Easy Access:** To the evaporator coil and blower assembly for cleaning and general maintenance
- **Easy Compressor and Control Access:** Designed to make servicing easier for the contractor, access panels are provided to all controls and the compressor from the side of the unit
- **Removable Top Grille Assembly:** Allows ease of service to the fan motor
- **Five Minute Restart Time Delay:** When the units shuts down, a five minute delay keeps the unit from restarting, eliminating the highest cause of compressor failure
- **Liquid Line Filter Drier:** Factory installed at a convenient location for service
- **Accessible Service Valves:** Simplify servicing of the refrigeration system
- **Suction Accumulator:** Provides protection from liquid flood back and future compressor failures
- **Permanently Lubricated Condenser Motor:** A heavy duty PSC motor for long lasting reliability and quiet operation
- **Low Voltage Transformer:** Includes 3 Amp fuse to protect low voltage circuit
- **Drain Trap Included:** Design optimizes drainage capabilities
- **Optional Electric Heat:** Easy to field-install 5–20kW heater kits

Heat Pumps

<u>R</u>	<u>HP</u>	<u>S</u>	<u>Y</u>	<u>B</u>	<u>024</u>	<u>A</u>	<u>J</u>	<u>T</u>	<u>00</u>	<u>0</u>	<u>N</u>	<u>A</u>
Brand	Product Category	Platform	Refrigerant	Tier	Capacity BTU/HR	Major Series	Voltage	Drive	Electric Heat	Electric Heat Configuration	Control	Minor Series
R - Ruud®	HP - Heat Pump	S - Small	Y - R-454B	B - Base Tier (13.4 SEER2)	024 - 24K BTUH [7.03 kW] 030 - 30K BTUH [8.79 kW] 036 - 36K BTUH [10.55 kW] 042 - 42K BTUH [12.31 kW] 048 - 48K BTUH [14.07 kW] 060 - 60K BTUH [17.58 kW]	A - 1st Design Series	J - 1ph, 208/230/60	T - Constant Torque	00 - No Electric Heat	0 - No Electric Heat	N - Non-Comm.	A - 1st Design

[] Designates Metric Conversions

Available Models
RHPSYB024AJT000NA
RHPSYB030AJT000NA
RHPSYB036AJT000NA
RHPSYB042AJT000NA
RHPSYB048AJT000NA
RHPSYB060AJT000NA

NOTE: Further heater kits available to purchase for field installation

GENERAL DATA 2–5 TONS [7–17.6 KW]

Model RHPSYB Series	024AJT	030AJT	036AJT
Cooling Performance¹			CONTINUED →
Nominal Cooling Capacity Btu/h [kW]	23,600 [6.9]	28,600 [8.4]	34,200 [10.0]
EER2/SEER2 ²	10.6/13.4	10.6/13.4	10.6/13.4
Nominal CFM/AHRI Rated CFM [L/s]	820	1075	1295
AHRI Net Cooling Capacity Btu/h [kW]	23,600 [6.9]	28,600 [8.4]	34,200 [10.0]
Net Sensible Capacity Btu/h [kW]	17,600 [5.2]	21,400 [6.3]	27,800 [8.1]
Net Latent Capacity Btu/h [kW]	6,900 [2.0]	7,800 [2.333]	8,600 [2.5]
Net System Power kW	1.91	2.35	2.78
Heating Performance (Heat Pumps)³			
High Temp. Btu/h [kW] Rating	23,800 [7.0]	29,400 [8.6]	32,800 [9.6]
High Temp. System Power COP	3.50	3.60	3.60
Low Temp. Btu/h [kW] Rating	12,400 [3.6]	16,000 [4.7]	17,000 [5.0]
Low Temp. System Power COP	2.20	2.20	2.20
HSPF2 (Btu/h/Watts-hr)	6.7	6.7	6.7
Compressor			
No./Stage/Type	1/1/Scroll	1/1/Scroll	1/1/Scroll
Outdoor Sound Rating (dB)⁴			
Sound Ratings Cooling	75.6	74.2	76.7
Sound Ratings Heating	76.5	75.5	77.3
Outdoor Coil—Fin Type	MicroChannel	MicroChannel	MicroChannel
Tube Type	MicroChannel	MicroChannel	MicroChannel
Rifled: Tube Size OD or MicroChannel: Depth in. [mm]	MC: 0.811 [20.6]	MC: 0.811 [20.6]	MC: 0.811 [20.6]
Face Area sq. ft. [sq. m]	12.06 [1.12]	12.06 [1.12]	12.06 [1.12]
Rows / FPI [FPcm]	14/16	14/16	14/16
Indoor Coil - Fin Type	MicroChannel	MicroChannel	MicroChannel
Tube Type	MicroChannel	MicroChannel	MicroChannel
Rifled: Tube Size OD or MicroChannel: Depth in. [mm]	MC: 0.811 [20.6]	MC: 0.811 [20.6]	MC: 1.000 [25.4]
Face Area sq. ft. [sq. m]	5.06 [0.47]	5.06 [0.47]	5.06 [0.47]
Rows / FPI [FPcm]	1/20 [7.874]	1/20 [7.874]	1/20 [7.874]
Refrigerant Control	Orifice	Orifice	Orifice
Drain Connection No./Size in. [mm]	1/3/4 NPT [20.9mm]	1/3/4 NPT [20.9mm]	1/3/4 NPT [20.9mm]
Outdoor Fan - Type	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/20 [508]	1/20 [508]	1/20 [508]
Drive Type/No. Speeds	PSC/1	PSC/1	PSC/1
CFM [L/s]	2,138	2,138	2,138
No. Motors/HP	1/[1/8]	1/[1/8]	1/[1/4]
Motor RPM	1,100	1,100	1,100
Indoor Fan - Type	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1 / 10 [254]	1 / 10 [254]	1 / 10 [254]
Drive Type	Direct Drive	Direct Drive	Direct Drive
No. Speeds	5	5	5
No. Motors	1	1	1
Motor HP	1/2	1/2	3/4
Motor RPM	1,050 Variable	1,050 Variable	1,050 Variable
Filter - Type	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No
Refrigerant Charge Oz. [g]	61.8 [1.75]	64.0 [1.81]	62.4 [1.77]
Weights			
Net Weight lbs. [kg]	266 [121]	267 [121]	286 [130]
Ship Weight lbs. [kg]	280 [127]	281 [127]	300 [136]

- 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 to ±20% of nominal CFM. Units are certified in accordance with the Unitary Air Conditioner Equipment certification program, which is based on AHRI Standard 210/240.
2. EER2 and/or SEER2 are rated at AHRI conditions and in accordance with DOE test procedures.
3. HSPF2 is rated at AHRI conditions and in accordance with DOE test procedures.
4. Outdoor Sound Rating shown is tested in accordance with AHRI Standard 270.

[] Designates Metric Conversions

GENERAL DATA 2–5 TONS [7–17.6 KW] (CONTINUED)

Model RHPSYB Series	042AJT	048AJT	060AJT
Cooling Performance¹			
Nominal Cooling Capacity Btu/h [kW]	41,000 [12.0]	46,000 [13.5]	55,500 [16.3]
EER2/SEER2 ²	10.6/13.4	10.6/13.4	10.6/13.4
Nominal CFM/AHRI Rated CFM [L/s]	1240	1620	1700
AHRI Net Cooling Capacity Btu/h [kW]	41,000 [12.0]	46,000 [13.5]	55,500 [16.3]
Net Sensible Capacity Btu/h [kW]	28,300 [8.3]	34,500 [10.1]	38,900 [11.4]
Net Latent Capacity Btu/h [kW]	13,100 [3.88]	14,200 [4.2]	17,000 [5.0]
Net System Power kW	3.61	3.96	4.72
Heating Performance (Heat Pumps)³			
High Temp. Btu/h [kW] Rating	40,000 [11.7]	46,000 [13.5]	58,500 [17.1]
High Temp. System Power COP	3.40	3.40	3.60
Low Temp. Btu/h [kW] Rating	23,400 [6.9]	25,000 [7.3]	31,800 [9.3]
Low Temp. System Power COP	2.20	2.20	2.20
HSPF2 (Btu/h/Watts-hr)	6.7	6.7	6.7
Compressor			
No./Stage/Type	1/1/Scroll	1/1/Scroll	1/1/Scroll
Outdoor Sound Rating (dB)⁴			
Sound Ratings Cooling	76.9	75.3	75.4
Sound Ratings Heating	79.1	76.2	76.5
Outdoor Coil—Fin Type			
Tube Type	MicroChannel	MicroChannel	MicroChannel
Rifled: Tube Size OD or MicroChannel: Depth in. [mm]	MC: 0.811 [20.6]	MC: 0.630 [16]	MC: 0.811 [20.6]
Face Area sq. ft. [sq. m]	16.25 [1.51]	22.50 [2.09]	21.5 [2.00]
Rows / FPI [FPcm]	16/16	14/16	16/16
Indoor Coil - Fin Type			
Tube Type	MicroChannel	MicroChannel	MicroChannel
Rifled: Tube Size OD or MicroChannel: Depth in. [mm]	MC: 1.000 [25.4]	MC: 1.260 [32.0]	MC: 1.260 [32.0]
Face Area sq. ft. [sq. m]	6.56 [0.61]	6.56 [0.61]	6.56 [0.61]
Rows / FPI [FPcm]	1/20 [7.874]	1/20 [7.874]	1/20 [7.874]
Refrigerant Control	Orifice	Orifice	Orifice
Drain Connection No./Size in. [mm]	1/3/4 NPT [20.9mm]	1/3/4 NPT [20.9mm]	1/3/4 NPT [20.9mm]
Outdoor Fan - Type			
	Propeller	Propeller	Propeller
No. Used/Diameter in. [mm]	1/20 [508]	1/24 [609.6]	1/24 [609.6]
Drive Type/No. Speeds	PSC/1	PSC/1	FTV/3
CFM [L/s]	3019	4339	4333
No. Motors/HP	1/[1/4]	1/[1/4]	1/[1/2]
Motor RPM	1,100	1,100	825/960/1,100
Indoor Fan - Type			
	FC Centrifugal	FC Centrifugal	FC Centrifugal
No. Used/Diameter in. [mm]	1 / 10 [254]	1 / 10 [254]	1 / 11 [279.4]
Drive Type	Direct Drive	Direct Drive	Direct Drive
No. Speeds	5	5	5
No. Motors	1	1	1
Motor HP	3/4	3/4	1
Motor RPM	1,050 Variable	1,050 Variable	1,050 Variable
Filter - Type			
	Field Supplied	Field Supplied	Field Supplied
Furnished	No	No	No
Refrigerant Charge Oz. [g]			
	67.2 [1.91]	92 [2.61]	92.0 [2.61]
Weights			
Net Weight lbs. [kg]	332 [151]	354 [161]	366 [166]
Ship Weight lbs. [kg]	348 [158]	370 [168]	382 [173]

- Notes:**
- 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 to ±20% of nominal CFM. Units are certified in accordance with the Unitary Air Conditioner Equipment certification program, which is based on AHRI Standard 210/240.
 - EER2 and/or SEER2 are rated at AHRI conditions and in accordance with DOE test procedures.
 - HSPF2 is rated at AHRI conditions and in accordance with DOE test procedures.
 - Outdoor Sound Rating shown is tested in accordance with AHRI Standard 270.

GROSS SYSTEMS COOLING PERFORMANCE DATA—RHPSYB024

	O.D.T	I.W.B	65°F			75°F			85°F			95°F			105°F			115°F		
CFM	E.D.B.	E.W.B.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
720	80	62	25.4	21.3	1.36	24.4	20.9	1.52	23.2	20.4	1.69	22.0	20.0	1.88	20.5	19.3	2.08	19.1	18.7	2.33
	80	67	26.9	17.4	1.36	26.3	17.4	1.52	25.5	17.2	1.70	24.1	16.7	1.89	22.6	16.0	2.11	21.0	15.5	2.35
	80	72	28.2	13.9	1.37	26.8	13.3	1.54	26.4	13.2	1.72	26.0	13.3	1.93	24.9	12.9	2.15	23.4	12.3	2.40
	75	62	25.3	18.2	1.36	24.3	17.8	1.52	23.1	17.3	1.69	21.9	16.8	1.88	20.4	16.3	2.09	19.0	15.6	2.33
	75	67	25.8	14.0	1.36	26.0	14.3	1.53	25.3	14.1	1.70	24.0	13.5	1.89	22.5	12.9	2.11	20.9	12.3	2.35
820	80	62	26.0	22.5	1.37	25.0	22.2	1.53	23.7	21.7	1.70	22.4	21.2	1.89	21.0	20.5	2.10	19.6	19.6	2.34
	80	67	27.3	17.9	1.37	26.8	18.1	1.53	25.9	18.1	1.71	24.5	17.6	1.91	23.0	17.0	2.12	21.3	16.5	2.36
	80	72	28.4	14.1	1.38	26.9	13.4	1.55	26.6	13.5	1.73	26.4	13.7	1.94	25.3	13.4	2.16	23.7	12.9	2.41
	75	62	25.9	19.1	1.37	24.9	18.8	1.53	23.6	18.2	1.70	22.3	17.9	1.89	20.8	17.3	2.10	19.3	16.6	2.34
	75	67	26.0	14.1	1.37	26.4	14.7	1.54	25.7	14.6	1.71	24.4	14.1	1.91	22.9	13.5	2.12	21.2	12.8	2.37
920	80	62	26.5	23.7	1.38	25.4	23.4	1.54	24.2	23.0	1.72	22.8	22.3	1.90	21.5	21.4	2.12	20.2	20.2	2.36
	80	67	27.6	18.4	1.38	27.2	18.8	1.55	26.3	19.0	1.73	24.9	18.5	1.92	23.3	17.8	2.14	21.6	17.3	2.38
	80	72	28.5	14.2	1.39	27.0	13.5	1.57	26.8	13.6	1.75	26.6	14.0	1.95	25.6	13.9	2.18	24.1	13.4	2.43
	75	62	26.3	20.0	1.38	25.3	19.7	1.54	24.0	19.1	1.72	22.6	18.8	1.90	21.1	18.2	2.12	19.5	17.5	2.36
	75	67	26.0	14.2	1.39	26.7	15.1	1.55	26.1	15.1	1.73	24.8	14.7	1.92	23.2	14.0	2.14	21.5	13.4	2.38

T.C. = Total Cooling Capacity
S.C. = Sensible Cooling Capacity
K.W. = Total Kilowatts

GROSS SYSTEMS COOLING PERFORMANCE DATA—RHPSYB030

	O.D.T	I.W.B	65°F			75°F			85°F			95°F			105°F			115°F		
CFM	E.D.B.	E.W.B.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
975	80	62	30.9	26.6	1.70	29.6	26.1	1.89	28.0	25.4	2.09	26.2	24.8	2.31	24.4	23.8	2.57	22.7	22.7	2.87
	80	67	32.5	21.2	1.71	31.9	21.6	1.91	30.5	21.3	2.11	28.8	20.6	2.34	26.9	19.7	2.61	24.8	19.0	2.92
	80	72	33.8	16.8	1.73	32.0	16.0	1.92	31.9	16.1	2.14	31.2	16.2	2.38	29.7	15.6	2.66	27.6	14.9	2.99
	75	62	30.7	22.6	1.70	29.4	22.1	1.89	27.8	21.3	2.09	26.0	20.8	2.31	24.2	20.0	2.57	22.3	19.1	2.87
	75	67	31.2	17.1	1.70	31.5	17.5	1.91	30.4	17.2	2.11	28.6	16.4	2.34	26.7	15.6	2.61	24.6	14.8	2.92
1075	80	62	31.4	27.7	1.71	30.1	27.3	1.90	28.4	26.7	2.10	26.6	25.9	2.32	24.9	24.6	2.58	23.3	23.3	2.89
	80	67	32.8	21.7	1.72	32.3	22.3	1.92	31.1	22.1	2.13	29.2	21.4	2.35	27.2	20.7	2.62	25.1	20.1	2.93
	80	72	34.0	17.0	1.73	32.2	16.1	1.93	32.1	16.3	2.15	31.6	16.6	2.39	30.0	16.2	2.68	28.0	15.5	3.01
	75	62	31.2	23.5	1.71	29.9	23.0	1.90	28.2	22.3	2.10	26.4	21.7	2.33	24.5	20.9	2.58	22.6	20.0	2.88
	75	67	31.4	17.2	1.71	31.9	18.0	1.92	30.7	17.7	2.13	29.0	17.0	2.36	27.0	16.2	2.62	24.9	15.4	2.94
1175	80	62	31.9	28.8	1.72	30.5	28.5	1.91	28.8	27.8	2.12	27.0	26.7	2.34	25.5	25.5	2.60	23.8	23.8	2.91
	80	67	33.1	22.2	1.73	32.7	23.0	1.93	31.5	22.9	2.14	29.5	22.3	2.37	27.5	21.6	2.63	25.3	20.9	2.95
	80	72	34.1	17.1	1.75	32.2	16.2	1.94	32.2	16.6	2.16	31.8	16.9	2.41	30.3	16.7	2.69	28.2	15.9	3.02
	75	62	31.6	24.3	1.72	30.3	23.9	1.92	28.5	23.2	2.12	26.7	22.6	2.34	24.8	21.8	2.60	22.8	20.9	2.90
	75	67	31.5	17.4	1.72	32.2	18.3	1.93	31.1	18.2	2.14	29.3	17.5	2.37	27.3	16.6	2.64	25.1	16.0	2.95

T.C. = Total Cooling Capacity
S.C. = Sensible Cooling Capacity
K.W. = Total Kilowatts

GROSS SYSTEMS COOLING PERFORMANCE DATA—RHPSYB036

	O.D.T	I.W.B	65°F			75°F			85°F			95°F			105°F			115°F		
CFM	E.D.B.	E.W.B.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
1195	80	62	38.2	34.7	2.01	36.5	34.2	2.24	34.5	33.2	2.48	32.5	32.0	2.72	30.4	29.9	2.99	28.4	28.2	3.29
	80	67	41.7	28.6	2.02	40.2	27.9	2.27	38.2	27.2	2.51	35.9	26.7	2.76	33.4	26.0	3.03	30.1	24.4	3.31
	80	72	45.4	23.0	2.05	43.7	22.2	2.32	41.7	21.3	2.58	39.4	20.3	2.84	36.8	19.2	3.11	34.5	18.7	3.40
	75	62	38.2	30.0	2.01	36.4	28.7	2.25	34.6	28.0	2.48	32.2	26.7	2.72	29.6	25.6	2.98	27.3	24.5	3.28
	75	67	41.4	23.2	2.02	39.9	22.5	2.27	38.0	21.6	2.51	35.7	20.7	2.76	33.0	19.2	3.02	29.9	18.5	3.31
1295	80	62	38.6	34.5	2.02	37.0	35.4	2.26	35.1	34.5	2.50	33.1	32.4	2.74	30.9	30.6	3.01	29.0	29.0	3.32
	80	67	42.2	29.6	2.04	40.6	28.9	2.28	38.6	28.2	2.53	36.4	27.8	2.78	33.5	26.8	3.05	30.5	25.5	3.33
	80	72	45.8	23.3	2.07	44.1	22.6	2.33	42.0	21.7	2.60	39.7	20.7	2.86	37.0	19.6	3.13	34.9	19.4	3.42
	75	62	38.6	30.6	2.03	36.9	29.7	2.26	34.7	28.9	2.50	32.5	27.8	2.74	29.9	26.6	3.00	27.6	25.5	3.30
	75	67	42.0	23.8	2.04	40.5	23.1	2.28	38.4	22.2	2.53	36.1	21.3	2.78	33.3	19.7	3.04	30.3	19.4	3.33
1395	80	62	39.1	36.7	2.04	37.5	36.7	2.28	35.6	34.9	2.52	33.7	33.0	2.76	31.5	31.4	3.03	29.5	29.5	3.34
	80	67	42.6	30.6	2.05	40.9	29.8	2.30	39.0	29.2	2.54	36.6	28.7	2.80	33.7	27.8	3.07	30.6	26.5	3.35
	80	72	46.1	23.7	2.09	44.4	23.0	2.35	42.3	22.1	2.61	39.9	21.1	2.88	37.2	19.9	3.15	35.1	19.9	3.44
	75	62	39.0	31.6	2.05	37.1	30.9	2.28	35.0	29.9	2.51	32.7	28.8	2.76	30.1	27.6	3.02	27.9	26.4	3.32
	75	67	42.4	24.4	2.06	40.7	23.7	2.30	38.7	22.9	2.54	36.4	21.9	2.80	33.5	20.2	3.06	30.2	19.7	3.35

T.C. = Total Cooling Capacity
S.C. = Sensible Cooling Capacity
K.W. = Total Kilowatts

GROSS SYSTEMS COOLING PERFORMANCE DATA—RHPSYB042

	O.D.T	I.W.B	65°F			75°F			85°F			95°F			105°F			115°F		
CFM	E.D.B.	E.W.B.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
1090	80	62	42.8	34.8	2.48	40.9	33.8	2.81	38.7	32.7	3.14	36.3	31.8	3.50	34.0	30.7	3.90	31.5	29.5	4.34
	80	67	46.7	29.6	2.52	45.1	28.9	2.86	43.0	28.0	3.20	40.5	26.9	3.57	37.5	25.6	3.95	34.7	24.4	4.39
	80	72	49.5	24.0	2.57	47.3	23.1	2.93	46.2	22.6	3.30	45.1	22.2	3.70	42.5	21.1	4.10	39.5	19.9	4.51
	75	62	42.5	29.9	2.48	40.6	28.9	2.81	38.4	27.8	3.14	36.1	26.8	3.50	33.8	25.6	3.90	31.3	24.5	4.34
	75	67	46.1	24.6	2.52	44.6	23.9	2.86	42.6	23.0	3.20	40.2	22.0	3.57	37.2	20.6	3.95	34.3	19.4	4.39
1240	80	62	43.9	36.9	2.52	41.9	35.9	2.85	39.7	35.0	3.18	37.1	33.8	3.54	34.7	32.8	3.94	32.2	31.3	4.38
	80	67	47.9	31.0	2.55	46.3	30.5	2.88	44.0	29.5	3.24	41.4	28.3	3.61	38.3	27.0	3.99	35.3	25.8	4.43
	80	72	50.0	24.5	2.60	47.8	23.4	2.97	46.8	23.1	3.34	46.0	23.0	3.72	43.4	22.1	4.14	40.2	20.8	4.55
	75	62	43.7	31.5	2.52	41.6	30.4	2.85	39.3	29.4	3.18	36.9	28.3	3.54	34.4	27.2	3.94	31.9	26.0	4.38
	75	67	47.0	25.4	2.55	45.8	25.0	2.88	43.7	24.0	3.23	41.1	22.8	3.61	38.2	21.6	4.00	35.0	20.2	4.43
1390	80	62	44.8	38.8	2.56	42.7	38.0	2.89	40.4	36.9	3.23	37.7	35.8	3.58	35.3	34.3	3.98	32.9	32.9	4.43
	80	67	48.7	32.2	2.58	47.2	31.8	2.92	44.9	30.9	3.26	42.2	29.9	3.63	38.9	28.3	4.04	35.8	27.1	4.47
	80	72	50.4	24.8	2.63	48.1	23.7	3.00	47.3	23.6	3.37	46.7	23.7	3.74	44.4	22.9	4.14	40.9	21.5	4.60
	75	62	44.7	33.0	2.55	42.4	31.8	2.89	40.1	30.8	3.23	37.5	29.8	3.58	35.1	28.4	3.99	32.4	27.1	4.43
	75	67	47.7	26.1	2.58	46.7	25.8	2.92	44.6	24.9	3.26	41.8	23.7	3.64	38.6	22.3	4.04	35.4	21.0	4.47

T.C. = Total Cooling Capacity
S.C. = Sensible Cooling Capacity
K.W. = Total Kilowatts

GROSS SYSTEMS COOLING PERFORMANCE DATA—RHPSYB048

	O.D.T	I.W.B	65°F			75°F			85°F			95°F			105°F			115°F		
CFM	E.D.B.	E.W.B.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
1470	80	62	52.9	44.4	2.90	50.2	43.8	3.22	47.0	42.0	3.54	43.6	39.4	3.88	40.1	38.9	4.24	36.8	36.4	4.66
	80	67	56.9	36.9	2.90	54.6	36.1	3.24	51.5	34.8	3.56	48.1	33.2	3.91	44.6	32.1	4.29	40.9	30.6	4.71
	80	72	56.8	27.4	2.90	53.7	25.8	3.23	53.1	25.8	3.56	51.7	25.7	3.91	48.7	24.8	4.30	45.2	23.4	4.74
	75	62	52.5	37.7	2.90	49.7	36.7	3.23	46.6	35.3	3.55	43.2	33.7	3.88	39.6	32.0	4.24	36.0	30.5	4.65
	75	67	55.8	30.0	2.91	54.1	29.2	3.24	51.0	28.0	3.57	47.6	26.4	3.91	44.1	24.9	4.29	40.4	23.6	4.71
1620	80	62	53.8	46.3	2.94	50.8	45.9	3.27	47.6	44.1	3.59	44.2	42.6	3.93	40.8	40.1	4.29	37.6	37.6	4.71
	80	67	57.7	38.1	2.94	55.3	37.5	3.28	52.1	36.1	3.61	48.7	34.5	3.96	45.1	33.5	4.33	41.3	32.0	4.76
	80	72	56.8	27.5	2.94	53.7	25.9	3.28	53.2	26.0	3.61	52.2	26.3	3.95	49.2	25.5	4.35	45.7	24.2	4.79
	75	62	53.3	39.1	2.94	50.4	38.3	3.27	47.2	36.7	3.60	43.6	35.1	3.93	40.0	33.6	4.29	36.3	31.8	4.70
	75	67	56.3	30.5	2.95	54.5	30.0	3.28	51.6	28.7	3.61	48.2	27.3	3.96	44.6	25.8	4.34	40.9	24.3	4.76
1770	80	62	54.4	48.1	2.99	51.4	47.7	3.33	48.1	46.1	3.65	44.8	44.1	3.98	41.6	41.2	4.35	38.3	38.3	4.77
	80	67	58.3	39.3	2.99	56.0	38.7	3.33	52.7	37.5	3.66	49.1	36.1	4.01	45.5	34.8	4.39	41.6	33.4	4.82
	80	72	56.7	27.5	3.00	53.6	25.9	3.33	53.1	26.1	3.66	52.4	26.8	4.01	49.6	26.1	4.40	46.0	24.8	4.84
	75	62	53.9	40.5	3.00	51.0	39.6	3.33	47.6	38.2	3.65	44.0	36.6	3.98	40.3	35.0	4.35	36.6	32.6	4.76
	75	67	56.5	30.8	3.00	55.2	30.7	3.33	52.2	29.5	3.66	48.7	28.0	4.01	44.9	26.5	4.39	41.2	25.0	4.82

T.C. = Total Cooling Capacity
S.C. = Sensible Cooling Capacity
K.W. = Total Kilowatts

GROSS SYSTEMS COOLING PERFORMANCE DATA—RHPSYB060

	O.D.T	I.W.B	65°F			75°F			85°F			95°F			105°F			115°F		
CFM	E.D.B.	E.W.B.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.	T.C.	S.C.	K.W.
1500	80	62	59.2	48.1	3.32	56.3	47.9	3.75	53.2	46.5	4.16	49.9	45.1	4.58	46.6	43.5	5.06	43.3	41.7	5.62
	80	67	63.2	40.2	3.34	61.3	39.8	3.78	58.3	38.6	4.20	55.0	37.0	4.64	51.1	34.7	5.12	47.3	34.2	5.68
	80	72	50.3	24.0	3.22	55.2	26.3	3.71	58.4	28.1	4.18	58.4	28.9	4.66	55.8	28.0	5.17	52.0	26.7	5.74
	75	62	59.0	41.3	3.33	56.1	40.6	3.76	52.9	39.1	4.16	49.6	37.6	4.59	46.4	36.1	5.06	42.9	34.4	5.62
	75	67	61.7	32.8	3.33	60.8	32.7	3.78	57.9	31.4	4.20	54.6	30.1	4.64	50.9	28.2	5.12	47.0	26.8	5.68
1700	80	62	60.4	50.6	3.40	57.4	50.9	3.83	54.2	49.5	4.24	50.8	47.3	4.67	47.6	46.1	5.15	44.2	43.4	5.71
	80	67	64.3	41.7	3.41	62.4	41.7	3.86	59.5	40.4	4.28	55.9	38.9	4.72	51.8	36.2	5.20	48.0	36.3	5.76
	80	72	50.1	23.9	3.29	55.1	26.2	3.78	58.4	28.2	4.25	58.9	29.5	4.73	56.6	29.1	5.25	52.7	27.7	5.82
	75	62	60.1	43.5	3.41	57.1	42.6	3.83	53.9	41.3	4.24	50.5	39.7	4.67	47.0	38.0	5.14	43.5	36.6	5.70
	75	67	62.3	33.4	3.41	61.8	33.7	3.86	59.0	32.6	4.28	55.7	31.2	4.72	51.6	29.2	5.21	47.6	28.1	5.76
1900	80	62	61.4	54.6	3.49	58.2	53.6	3.92	54.7	48.0	4.33	51.5	50.1	4.76	48.3	47.5	5.25	45.3	44.9	5.81
	80	67	64.8	42.7	3.50	63.3	43.5	3.95	60.2	42.4	4.37	56.6	40.7	4.81	52.6	39.8	5.30	48.4	38.1	5.85
	80	72	49.8	23.8	3.37	54.8	26.1	3.86	58.2	28.2	4.33	59.1	29.7	4.82	56.9	29.8	5.34	53.1	28.5	5.91
	75	62	61.0	44.9	3.49	58.0	44.8	3.92	54.6	43.2	4.33	50.9	41.6	4.76	47.8	40.6	5.24	44.0	38.6	5.79
	75	67	62.4	33.6	3.49	62.5	34.7	3.95	59.7	33.6	4.37	56.2	32.1	4.81	52.2	30.1	5.30	48.0	29.0	5.85

T.C. = Total Cooling Capacity
S.C. = Sensible Cooling Capacity
K.W. = Total Kilowatts

HEATING PERFORMANCE DATA – RHPSYB024

		OUTDOOR TEMPERATURE (Deg. F)																											
		5			10			17			20			30			40			47			50			60			
	Indoor T.	MBH		K.W.	MBH		K.W.	MBH		K.W.	MBH		K.W.	MBH		K.W.	MBH		K.W.	MBH		K.W.	MBH		K.W.	MBH		K.W.	
CFM	Deg.F	COP	MBH		COP	MBH		COP	MBH		COP	MBH		COP	MBH		COP	MBH		COP	MBH		COP	MBH		COP	MBH		
720	60	12.1	2.39	1.49	13.3	2.59	1.51	15.1	15.1	1.54	15.8	2.99	1.55	18.7	3.39	1.62	22.2	22.2	3.79	1.72	25.0	4.05	1.81	26.2	4.12	1.86	30.7	4.46	2.02
	70	12.2	2.13	1.68	13.4	2.32	1.69	15.1	2.56	1.73	15.9	2.67	1.75	19.0	3.02	1.84	22.4	22.4	3.30	1.98	25.2	3.45	2.14	26.2	3.47	2.22	30.0	3.65	2.41
	80	11.8	1.87	1.85	12.9	2.03	1.86	14.6	2.25	1.90	15.4	2.35	1.92	18.3	2.65	2.03	21.6	21.6	2.89	2.19	25.2	3.45	2.14	26.2	3.47	2.22	30.0	3.65	2.41
820	60	12.2	2.44	1.47	13.5	2.65	1.49	15.2	2.94	1.52	16.0	3.06	1.53	18.9	3.50	1.58	22.4	22.4	3.94	1.67	25.4	4.23	1.76	26.5	4.32	1.80	31.2	4.70	1.95
	70	12.3	2.17	1.67	13.5	2.37	1.67	15.3	2.63	1.70	16.1	2.75	1.72	19.2	3.11	1.80	22.6	22.6	3.42	1.94	25.4	3.57	2.09	26.5	3.59	2.16	30.3	3.82	2.33
	80	11.9	1.91	1.83	13.0	2.08	1.84	14.7	2.31	1.87	15.5	2.41	1.89	18.5	2.74	1.98	21.8	21.8	3.00	2.13	25.4	3.57	2.09	26.5	3.59	2.16	30.3	3.82	2.33
920	60	12.3	2.47	1.46	13.6	2.66	1.50	15.3	2.99	1.50	16.1	3.12	1.52	19.1	3.58	1.56	22.7	22.7	4.05	1.64	25.6	4.37	1.72	26.8	4.47	1.76	31.5	4.84	1.91
	70	12.4	2.18	1.67	13.6	2.41	1.66	15.4	2.68	1.69	16.2	2.80	1.70	19.3	3.18	1.78	22.8	22.8	3.49	1.91	25.5	3.64	2.06	26.6	3.66	2.13	30.5	3.93	2.28
	80	12.0	1.93	1.82	13.6	2.41	1.66	14.8	2.36	1.85	15.7	2.45	1.88	18.7	2.80	1.95	22.0	22.0	3.07	2.10	25.5	3.64	2.06	26.6	3.66	2.13	30.5	3.93	2.28

HEATING PERFORMANCE DATA – RHPSYB030

		OUTDOOR TEMPERATURE (Deg. F)																											
Indoor T.		5			10			17			20			30			40			47			50			60			
CFM	Deg.F	MBH	COP	K.W.	MBH	COP	K.W.	MBH	COP	K.W.	MBH	COP	K.W.	MBH	COP	K.W.	MBH	COP	K.W.	MBH	COP	K.W.	MBH	COP	K.W.	MBH	COP	K.W.	
975	60	13.8	2.32	1.75	15.4	2.55	1.78	17.6	2.84	1.81	18.6	2.98	1.83	22.0	3.39	1.90	26.3	3.81	2.03	30.1	4.24	2.09	31.6	4.33	2.14	37.2	4.60	2.37	
	70	13.7	2.06	1.96	15.2	2.25	1.98	17.3	2.51	2.02	18.4	2.64	2.04	22.1	3.01	2.15	26.3	3.33	2.31	29.9	3.56	2.46	31.3	3.64	2.52	36.5	3.80	2.82	
	80	12.9	1.79	2.12	14.3	1.96	2.14	16.4	2.20	2.19	17.4	2.30	2.22	21.0	2.63	2.34	25.2	2.91	2.53	28.6	3.05	2.74	29.9	3.08	2.85	35.6	3.27	3.19	
1075	60	13.9	2.35	1.74	15.5	2.59	1.76	17.7	2.89	1.79	18.8	3.03	1.81	22.2	3.46	1.88	26.6	3.95	1.98	30.4	4.36	2.05	31.9	4.47	2.09	37.5	4.75	2.32	
	70	13.8	2.08	1.94	15.3	2.28	1.96	17.4	2.55	2.00	18.5	2.68	2.02	22.2	3.07	2.12	26.5	3.41	2.28	30.0	3.66	2.41	31.4	3.71	2.48	36.7	3.90	2.76	
	80	13.0	1.81	2.10	14.4	1.99	2.13	16.5	2.23	2.17	17.5	2.34	2.20	21.2	2.69	2.31	25.4	2.99	2.49	28.7	3.13	2.69	30.2	3.22	2.75	36.7	3.90	2.76	
1175	60	14.0	2.38	1.72	15.5	2.61	1.75	17.8	2.93	1.78	18.8	3.08	1.80	22.3	3.53	1.86	26.9	4.07	1.94	30.7	4.47	2.02	32.1	4.57	2.06	37.8	4.86	2.28	
	70	13.9	2.10	1.94	15.4	2.31	1.95	17.5	2.59	1.99	18.6	2.72	2.01	22.4	3.13	2.10	26.6	3.47	2.25	30.2	3.72	2.38	31.5	3.76	2.46	36.9	3.96	2.73	
	80	13.1	1.83	2.10	14.5	2.01	2.12	16.6	2.25	2.16	17.6	2.37	2.18	21.4	2.74	2.29	25.5	3.04	2.46	28.9	3.20	2.65	30.4	3.29	2.70	35.9	3.41	3.09	

HEATING PERFORMANCE DATA – RHPSYB036

		OUTDOOR TEMPERATURE (Deg. F)																										
Indoor T.		5			10			17			20			30			40			47			50			60		
CFM	Deg.F	MBH	COP	K.W.	MBH	COP	K.W.	MBH	COP	K.W.	MBH	COP	K.W.	MBH	COP	K.W.	MBH	COP	K.W.	MBH	COP	K.W.	MBH	COP	K.W.	MBH	COP	K.W.
1195	60	15.3	2.25	2.00	17.0	2.48	2.01	19.9	2.67	2.19	21.0	2.43	2.54	25.7	2.97	2.53	30.5	3.53	2.54	34.6	4.04	2.51	36.1	4.22	2.51	38.3	5.19	2.17
	70	14.3	1.94	2.16	16.0	2.16	2.18	19.0	2.48	2.25	20.2	2.52	2.35	24.6	2.73	2.64	29.4	3.12	2.76	33.4	3.68	2.66	34.7	3.92	2.60	39.2	4.69	2.45
	80	13.4	1.26	3.13	15.3	1.44	3.11	18.5	1.91	2.85	19.2	2.34	2.40	22.4	2.71	2.42	26.5	3.14	2.47	29.8	3.45	2.53	30.9	3.57	2.54	36.3	4.00	2.66
1295	60	15.4	2.24	2.01	17.1	2.48	2.02	20.0	2.65	2.21	21.2	2.43	2.56	25.7	2.95	2.55	30.6	3.51	2.55	34.6	4.03	2.52	36.2	4.20	2.52	38.6	5.35	2.12
	70	14.4	1.95	2.17	16.1	2.17	2.18	19.1	2.47	2.26	20.2	2.50	2.37	24.7	2.72	2.65	29.4	3.11	2.78	33.4	3.66	2.67	34.8	3.90	2.62	39.4	4.79	2.41
	80	13.5	1.25	3.15	15.4	1.44	3.14	18.6	1.90	2.87	19.3	2.35	2.41	22.5	2.74	2.41	26.7	3.17	2.46	29.9	3.50	2.51	31.3	3.66	2.51	36.5	4.08	2.63
1395	60	15.5	2.26	2.01	17.2	2.50	2.02	20.0	2.64	2.23	21.1	2.41	2.58	25.7	2.95	2.56	30.6	3.50	2.57	34.7	4.01	2.54	36.2	4.18	2.54	38.8	5.40	2.10
	70	14.5	1.96	2.17	16.2	2.17	2.19	19.1	2.46	2.28	20.3	2.49	2.39	24.7	2.71	2.67	29.5	3.09	2.79	33.5	3.65	2.69	34.9	3.89	2.63	39.6	4.86	2.39
	80	13.5	1.25	3.17	15.4	1.43	3.15	18.6	1.88	2.90	19.3	2.34	2.42	22.7	2.76	2.41	26.8	3.19	2.45	30.1	3.56	2.48	31.5	3.70	2.50	36.5	4.17	2.57

HEATING PERFORMANCE DATA – RHPSYB042

		OUTDOOR TEMPERATURE (Deg. F)																										
	Indoor T.	5			10			17			20			30			40			47			50			60		
CFM	Deg.F	MBH	COP	K.W.	MBH	COP	K.W.	MBH	COP	K.W.	MBH	COP	K.W.	MBH	COP	K.W.	MBH	COP	K.W.	MBH	COP	K.W.	MBH	COP	K.W.			
1090																												
	60	21.0	2.31	2.66	23.0	2.53	2.67	25.9	2.79	2.72	27.3	2.90	2.76	32.6	3.24	2.95	39.0	3.68	3.11	44.1	3.87	3.34	46.1	3.93	3.44	54.3	4.10	3.88
	70	20.1	2.02	2.92	22.2	2.21	2.95	25.3	2.44	3.04	26.9	2.54	3.10	32.4	2.83	3.35	38.8	3.05	3.73	44.3	3.31	3.92	46.4	3.36	4.05	53.4	3.57	4.38
	80	20.1	2.02	2.92	22.2	2.21	2.95	24.3	2.12	3.36	25.9	2.22	3.43	31.4	2.47	3.72	37.6	2.67	4.14	42.9	2.92	4.31	44.9	2.94	4.48	53.4	3.57	4.38
1240																												
	60	21.2	2.35	2.64	23.2	2.58	2.63	26.1	2.86	2.68	27.6	2.98	2.71	32.8	3.35	2.87	39.2	3.82	3.01	44.5	4.06	3.22	46.5	4.13	3.31	54.9	4.35	3.70
	70	20.3	2.05	2.90	22.4	2.25	2.92	25.6	2.50	2.99	27.1	2.61	3.04	32.7	2.93	3.27	39.2	3.26	3.53	44.7	3.46	3.79	46.7	3.50	3.92	54.0	3.77	4.20
	80	20.3	2.05	2.90	22.4	2.25	2.92	25.6	2.50	2.99	27.1	2.61	3.04	31.7	2.56	3.62	38.0	2.78	4.00	43.3	3.03	4.19	45.3	3.08	4.32	54.0	3.77	4.20
1390																												
	60	21.3	2.36	2.65	23.3	2.61	2.62	26.3	2.91	2.65	27.7	3.03	2.68	33.1	3.43	2.82	39.6	3.94	2.95	44.8	4.19	3.13	46.9	4.28	3.22	55.4	4.53	3.58
	70	20.5	2.07	2.90	22.6	2.28	2.90	25.8	2.55	2.96	27.3	2.66	3.01	32.9	3.00	3.22	39.5	3.31	3.50	45.0	3.54	3.72	47.1	3.59	3.85	54.4	3.92	4.07
	80	19.4	1.81	3.15	21.6	1.99	3.18	24.7	2.22	3.27	26.3	2.32	3.32	31.9	2.63	3.56	38.1	2.85	3.92	43.6	3.12	4.10	45.7	3.16	4.23	53.0	3.42	4.55

HEATING PERFORMANCE DATA – RHPSYB048

		OUTDOOR TEMPERATURE (Deg. F)																										
	Indoor T.	5			10			17			20			30			40			47			50			60		
CFM	Deg.F	MBH	COP	K.W.	MBH	COP	K.W.	MBH	COP	K.W.	MBH	COP	K.W.	MBH	COP	K.W.	MBH	COP	K.W.	MBH	COP	K.W.	MBH	COP	K.W.			
1470	60	22.1	2.19	2.96	24.7	2.52	2.87	28.2	2.92	2.84	30.0	3.07	2.86	36.1	3.54	2.99	42.9	3.99	3.15	48.5	4.31	3.29	50.7	4.42	3.36			
	70	20.7	1.91	3.17	23.3	2.18	3.13	27.1	2.52	3.15	28.9	2.66	3.18	35.0	3.06	3.36	41.7	3.37	3.63	47.2	3.58	3.87	49.3	3.63	3.98			
	80	20.7	1.91	3.17	23.3	2.18	3.13	27.1	2.52	3.15	28.9	2.66	3.18	33.3	2.70	3.62	39.8	2.96	3.94	45.3	3.18	4.17	47.2	3.22	4.30			
1620	60	22.3	2.16	3.02	24.9	2.50	2.92	28.5	2.92	2.86	30.3	3.09	2.88	36.4	3.57	2.99	43.2	4.03	3.14	48.9	4.37	3.29	51.1	4.48	3.34			
	70	20.8	1.89	3.22	23.5	2.16	3.19	27.1	2.48	3.20	29.0	2.63	3.23	35.2	3.03	3.40	41.9	3.34	3.68	47.4	3.55	3.91	49.4	3.60	4.02			
	80	20.8	1.89	3.22	23.5	2.16	3.19	25.5	2.18	3.43	27.3	2.31	3.47	33.3	2.65	3.68	39.9	2.94	3.99	45.4	3.16	4.22	47.4	3.20	4.35			
1770	60	22.4	2.14	3.08	25.0	2.47	2.97	28.7	2.89	2.91	30.5	3.07	2.91	36.7	3.58	3.00	43.6	4.04	3.16	49.1	4.35	3.31	51.3	4.45	3.37			
	70	21.0	1.87	3.28	23.6	2.13	3.25	27.4	2.46	3.26	29.2	2.60	3.29	35.3	2.99	3.46	42.0	3.30	3.73	47.6	3.51	3.97	49.6	3.57	4.08			
	80	21.0	1.87	3.28	22.0	1.87	3.44	25.7	2.16	3.49	27.4	2.28	3.53	33.5	2.63	3.73	40.1	2.91	4.05	45.6	3.12	4.28	47.6	3.17	4.40			

HEATING PERFORMANCE DATA – RHPSYB060

		OUTDOOR TEMPERATURE (Deg. F)																										
	Indoor T.	5			10			17			20			30			40			47			50			60		
CFM	Deg.F	MBH	COP	K.W.	MBH	COP	K.W.	MBH	COP	K.W.	MBH	COP	K.W.	MBH	COP	K.W.	MBH	COP	K.W.	MBH	COP	K.W.	MBH	COP	K.W.			
1500	60	29.8	2.48	3.51	32.2	2.67	3.54	35.8	2.90	3.62	37.7	3.01	3.67	38.7	3.37	3.87	52.2	3.71	4.13	58.9	4.06	4.25	61.7	4.15	4.36	71.6	4.43	4.74
	70	28.7	2.18	3.86	31.2	2.34	3.91	35.1	2.56	4.01	37.1	2.67	4.07	44.0	2.99	4.32	52.2	3.29	4.65	58.6	3.52	4.89	61.1	3.61	4.97	71.4	3.79	5.52
	80	27.5	1.92	4.20	30.1	2.07	4.26	34.0	2.28	4.38	35.8	2.36	4.45	42.4	2.64	4.71	50.2	2.90	5.08	56.5	3.05	5.43	59.1	3.10	5.59	68.5	3.33	6.03
1700	60	29.9	2.47	3.54	32.6	2.71	3.53	36.1	2.95	3.59	38.1	3.07	3.64	45.1	3.46	3.82	52.8	3.82	4.06	59.6	4.19	4.17	62.0	4.28	4.24	72.6	4.63	4.60
	70	29.0	2.20	3.87	31.7	2.38	3.91	35.5	2.60	3.99	37.4	2.71	4.05	44.6	3.06	4.27	52.6	3.38	4.57	59.4	3.64	4.78	61.7	3.70	4.88	72.0	3.92	5.39
	80	27.7	1.93	4.20	30.4	2.10	4.25	34.2	2.30	4.35	36.1	2.40	4.41	43.2	2.71	4.67	50.8	2.98	5.00	57.0	3.15	5.30	59.8	3.26	5.37	69.2	3.49	5.82
1900	60	30.3	2.48	3.59	32.8	2.72	3.54	36.6	2.98	3.60	38.6	3.11	3.64	45.4	3.50	3.80	53.7	3.90	4.03	60.3	4.28	4.12	62.6	4.37	4.19	73.1	4.75	4.51
	70	29.3	2.19	3.92	31.8	2.38	3.93	35.8	2.62	4.00	37.8	2.73	4.05	45.1	3.10	4.26	53.1	3.41	4.56	59.9	3.68	4.77	62.7	3.76	4.89	72.9	3.98	5.37
	80	28.2	1.95	4.23	30.7	2.10	4.27	34.6	2.32	4.37	36.6	2.42	4.42	43.4	2.74	4.64	51.2	3.03	4.96	57.7	3.20	5.28	60.5	3.33	5.32	70.2	3.56	5.78

INDOOR AIRFLOW PERFORMANCE—RHPSYB—208/230V

HEAT RISE DATA (Based on Nominal 10w Electric Heat Kit)																					
EXTERNAL STATIC PRESSURE DROP – INCHES WATER COLUMN																					
RHPSYB Unit	Blower Setting	0.1		0.2		0.3		0.4		0.5		.06		0.7		0.8		0.9		1.0	
		CFM	HEAT RISE	CFM	HEAT RISE	CFM	HEAT RISE	CFM	HEAT RISE	CFM	HEAT RISE	CFM	HEAT RISE	CFM	HEAT RISE	CFM	HEAT RISE	CFM	HEAT RISE	CFM	HEAT RISE
24	Tap T1	1,009	31	951	33	910	35	856	37	797	40	725	44	660	48	605	52	552	57	494	64
	Tap T2*	1,063	30	1,009	31	966	33	914	35	858	37	792	40	727	43	668	47	620	51	564	56
	Tap T3**	1,198	26	1,154	27	1,107	29	1,059	30	1,010	31	959	33	895	35	827	38	791	40	739	43
	Tap T4	1,290	24	1,242	25	1,197	26	1,150	27	1,102	29	1,049	30	1,003	31	939	34	900	35	850	37
	Tap T5	1,425	22	1,383	23	1,334	24	1,287	25	1,246	25	1,194	26	1,149	27	1,092	29	1,051	30	1,004	31
30	Tap T1	1,009	31	951	33	910	35	856	37	797	40	725	44	660	48	605	52	552	57	494	64
	Tap T2**	1,146	28	1,102	29	1,049	30	1,004	31	955	33	898	35	829	38	761	42	724	44	669	47
	Tap T3*	1,290	24	1,242	25	1,197	26	1,150	27	1,102	29	1,049	30	1,003	31	939	34	895	35	845	37
	Tap T4	1,397	23	1,353	23	1,306	24	1,262	25	1,213	26	1,168	27	1,120	28	1,060	30	1,021	31	974	32
	Tap T5	1,546	20	1,505	21	1,467	22	1,417	22	1,366	23	1,320	24	1,272	25	1,223	26	1,180	27	1,133	28
36	Tap T1	1,146	28	1,107	29	1,056	30	1,004	31	960	33	910	35	842	38	782	40	743	43	691	46
	Tap T2**	1,269	25	1,232	26	1,197	26	1,146	28	1,098	29	1,056	30	993	32	932	34	900	35	852	37
	Tap T3	1,400	23	1,363	23	1,316	24	1,276	25	1,229	26	1,191	27	1,142	28	1,087	29	1,051	30	1,007	31
	Tap T3*	1,464	22	1,425	22	1,380	23	1,341	24	1,296	24	1,256	25	1,209	26	1,158	27	1,121	28	1,078	29
	Tap T5	1,612	20	1,571	20	1,530	21	1,492	21	1,453	22	1,409	22	1,364	23	1,322	24	1,283	25	1,242	25
42	Tap T1	1,384	23	1,343	24	1,308	24	1,268	25	1,216	26	1,183	27	1,137	28	1,091	29	1,053	30	1,012	31
	Tap T2*	1,568	20	1,528	21	1,499	21	1,449	22	1,415	22	1,379	23	1,340	24	1,292	24	1,259	25	1,220	26
	Tap T3**	1,730	18	1,698	19	1,663	19	1,620	20	1,575	20	1,541	21	1,502	21	1,458	22	1,422	22	1,383	23
	Tap T4	1,897	17	1,861	17	1,837	17	1,796	18	1,756	18	1,718	18	1,673	19	1,631	19	1,600	20	1,562	20
	Tap T5	2,094	15	2,059	15	2,029	16	1,993	16	1,961	16	1,922	16	1,878	17	1,829	17	1,804	18	1,767	18
48	Tap T1	1,474	21	1,417	22	1,379	23	1,344	24	1,304	24	1,266	25	1,230	26	1,184	27	1,146	28	1,106	29
	Tap T2**	1,590	20	1,559	20	1,519	21	1,467	22	1,439	22	1,396	23	1,360	23	1,320	24	1,280	25	1,241	25
	Tap T3	1,749	18	1,711	18	1,665	19	1,633	19	1,589	20	1,551	20	1,514	21	1,476	21	1,435	22	1,396	23
	Tap T2*	1,913	17	1,873	17	1,835	17	1,802	18	1,760	18	1,718	18	1,688	19	1,643	19	1,607	20	1,569	20
	Tap T5	2,097	15	2,052	15	2,016	16	1,980	16	1,939	16	1,894	17	1,856	17	1,814	17	1,776	18	1,735	18
60	Tap T1	1,455	22	1,412	22	1,362	23	1,323	24	1,277	25	1,238	26	1,188	27	1,160	27	1,109	28	1,066	30
	Tap T2**	1,668	19	1,627	19	1,599	20	1,558	20	1,521	21	1,478	21	1,444	22	1,405	22	1,368	23	1,331	24
	Tap T3	1,854	17	1,809	17	1,783	18	1,745	18	1,707	19	1,667	19	1,629	19	1,593	20	1,557	20	1,520	21
	Tap T2*	2,008	16	1,976	16	1,939	16	1,904	17	1,875	17	1,833	17	1,801	18	1,760	18	1,729	18	1,693	19
	Tap T5	2,174	15	2,133	15	2,101	15	2,066	15	2,038	16	2,002	16	1,969	16	1,932	16	1,900	17	1,866	17

* Denotes factory set COOL speed

** Denotes factory set electric HEAT speed

Shaded gray temperature rises are for reference only. These conditions are not recommended.

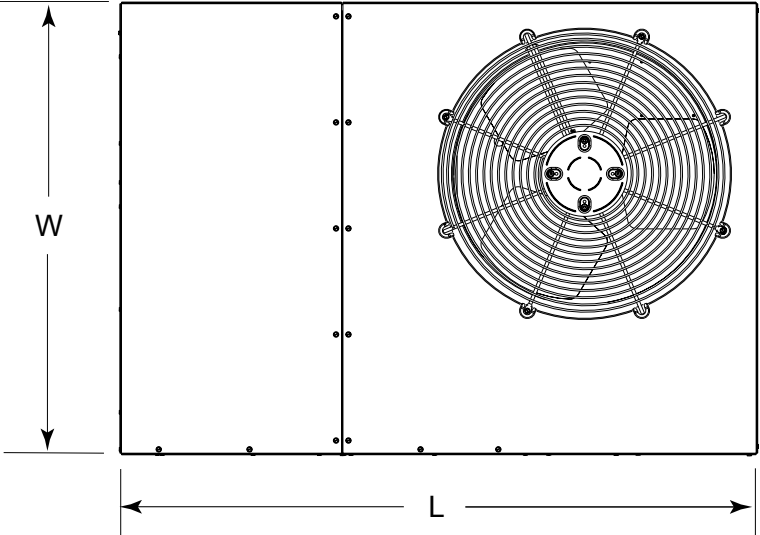
ELECTRICAL DATA – RHPSYB SERIES							
		024AJT	030AJT	036AJT	042AJT	048AJT	060AJT
Unit Information	Unit Operating Voltage Range	208/230	208/230	208/230	208/230	208/230	208/230
	Volts ¹	208/230	208/230	208/230	208/230	208/230	208/230
	Phase	1	1	1	1	1	1
	Hz	60	60	60	60	60	60
	Minimum Circuit Ampacity	16.1	20.5	23.7	29.4	31	39
	Maximum Overcurrent Protection Device Size ²	25	30	35	45	50	60
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
	Amps (RLA), Comp. 1	9.0	12.5	13.4	18.0	19.3	22.5
	Amps (LRA), Comp. 1	63.0	67.0	82.5	95.0	102.0	148.0
	Amps (RLA), Comp. 2	N/A	N/A	N/A	N/A	N/A	N/A
	Amps (LRA), Comp. 2	N/A	N/A	N/A	N/A	N/A	N/A
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	1/8	1/8	1/4	1/4	1/4	1/2
	Amps (FLA, each)	1.1	1.1	1.46	1.46	1.46	3.8
	Amps (LRA, each)	1.59	1.59	2.64	2.64	2.64	N/A
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	1/2	1/2	3/4	3/4	3/4	1
	Amps (FLA, each)	3.8	3.8	5.4	5.4	5.4	7.0
	Amps (LRA, each)	N/A	N/A	N/A	N/A	N/A	N/A

¹ Operating Voltage Range: 187v min.–253v max. Amperage and wire size based on refrigeration system only. See electrical data tables for supplemental electric heaters.

² HACR Type Circuit Breakers may be used.

Model RHPSYB, Single Phase, 208/230V									
Model	Heater kW	Single Circuit		Multiple Circuit					
		MCA	MOP	Circuit A		Circuit B		Circuit C	
				MCA	MOP	MCA	MOP	MCA	MOP
RHPSYB 024	0	16.1	25	—/—	—/—	—/—	—/—	—/—	—/—
	5	37.8/40.1	40/45	—/—	—/—	—/—	—/—	—/—	—/—
	8	50.4/54	60/60	—/—	—/—	—/—	—/—	—/—	—/—
	10	59.4/64	60/70	16.1/16.1	25/25	43.3/47.9	45/50	—/—	—/—
	15	81.1/88	90/90	37.8/40.1	40/45	43.3/47.9	45/50	—/—	—/—
RHPSYB 030	0	20.5	30	—/—	—/—	—/—	—/—	—/—	—/—
	5	42.2/44.5	50/50	—/—	—/—	—/—	—/—	—/—	—/—
	8	54.8/58.4	60/60	—/—	—/—	—/—	—/—	—/—	—/—
	10	63.8/68.4	70/70	20.5/20.5	30/30	43.3/47.9	45/50	—/—	—/—
	15	85.5/92.4	90/100	42.2/44.5	50/50	43.3/47.9	45/50	—/—	—/—
RHPSYB 036	0	23.7	35	—/—	—/—	—/—	—/—	—/—	—/—
	5	45.3/47.6	50/50	—/—	—/—	—/—	—/—	—/—	—/—
	8	58/61.6	60/70	23.7/23.7	35/35	34.3/37.9	35/40	—/—	—/—
	10	67/71.6	70/80	23.7/23.7	35/35	43.3/47.9	45/50	—/—	—/—
	15	88.7/95.5	90/100	45.3/47.6	50/50	43.3/47.9	45/50	—/—	—/—
RHPSYB 042	0	29.4	45	—/—	—/—	—/—	—/—	—/—	—/—
	5	51.1/53.4	60/60	—/—	—/—	—/—	—/—	—/—	—/—
	8	63.7/67.4	70/70	29.4/29.4	45/45	34.3/37.9	35/40	—/—	—/—
	10	72.8/77.3	80/80	29.4/29.4	45/45	43.3/47.9	45/50	—/—	—/—
	15	94.4/101.3	100/110	51.1/53.4	60/60	43.3/47.9	45/50	—/—	—/—
	20	116.1/125.3	125/150	29.4/29.4	45/45	43.3/47.9	45/50	43.3/47.9	45/50
RHPSYB 048	0	31.0	50	—/—	—/—	—/—	—/—	—/—	—/—
	5	52.7/55	60/60	31.0/31.0	50/50	21.7/24	25/25	—/—	—/—
	8	65.3/69	70/80	31.0/31.0	50/50	34.3/37.9	35/40	—/—	—/—
	10	74.4/78.9	80/80	31.0/31.0	50/50	43.3/47.9	45/50	—/—	—/—
	15	96/102.9	100/110	31.0/31.0	50/50	43.3/47.9	45/50	21.7/24	25/25
	20	117.7/126.9	125/150	31.0/31.0	50/50	43.3/47.9	45/50	43.3/47.9	45/50
RHPSYB 060	0	39.0	60	—/—	—/—	—/—	—/—	—/—	—/—
	5	60.6/62.9	70/80	39.0/39.0	60/60	21.7/24	25/25	—/—	—/—
	8	73.3/76.9	80/90	39.0/39.0	60/60	34.3/37.9	35/40	—/—	—/—
	10	82.3/86.9	90/90	39.0/39.0	60/60	43.3/47.9	45/50	—/—	—/—
	15	104/110.8	110/125	39.0/39.0	60/60	43.3/47.9	45/50	21.7/24	25/25
	20	125.6/134.8	150/150	39.0/39.0	60/60	43.3/47.9	45/50	43.3/47.9	45/50

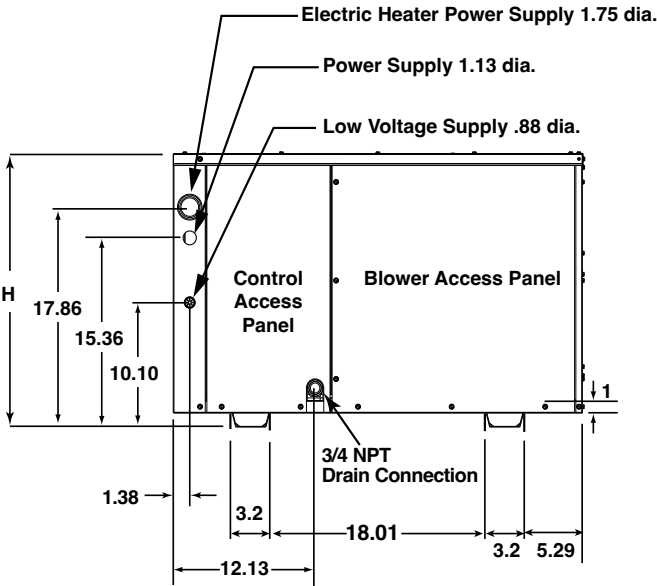
TOP VIEW



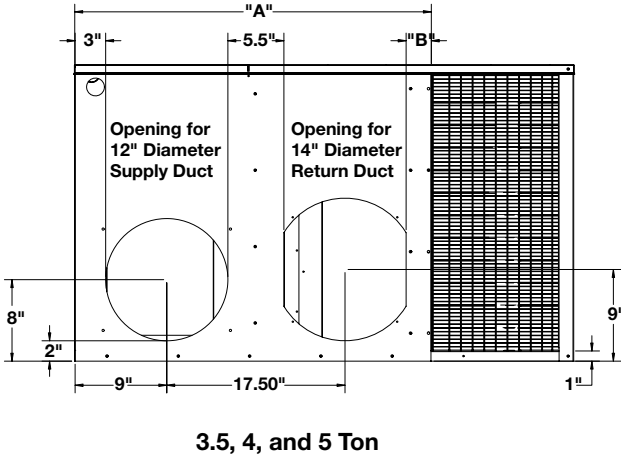
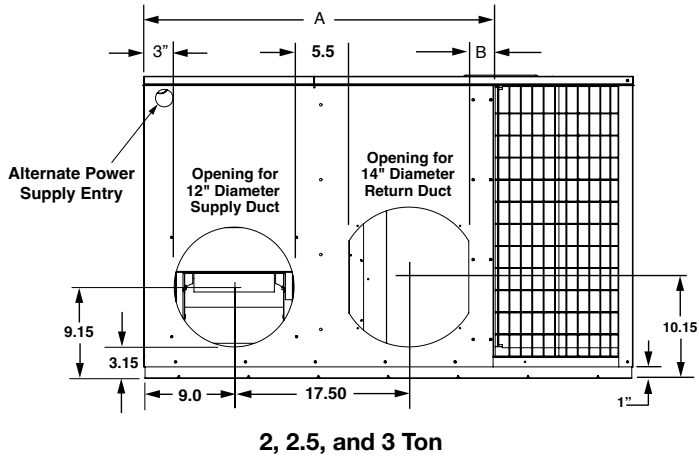
DIMENSIONS

Model	Length (L)	Width (W)	Height (H)
024, 030, 036	49"	35"	30.2"
042, 048	49"	35"	38.2"
060	63"	35"	38.2"

SIDE VIEW



BACK (DUCT) VIEW



HEATER APPLICATION MATRIX

Model	RXJJ-FD05J	RXJJ-FD08J	RXJJ-FD10J	RXJJ-FD15J	RXJJ-FE15J	RXJJ-FE20J
024K	X	X	X	X	X	NA
030K	X	X	X	X(2)	X	NA
036K	X	X	X	X(2)	X	NA
042K	X	X	X	X(2)	X	X
048K	X	X	X	X(2)	X	X
060K	X	X	X	X(2)	X	X

NA = Not Approved

() = Number of internal circuit breaker kits required

X = Branch circuit protection only

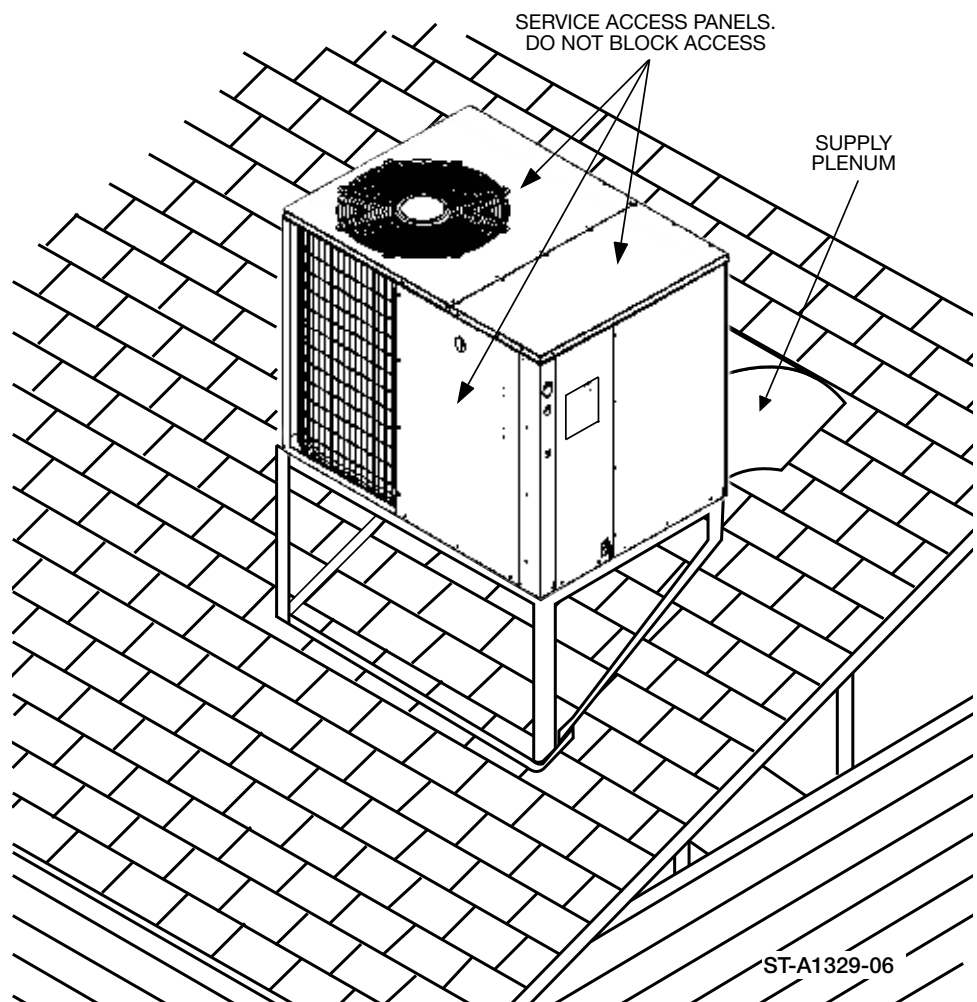
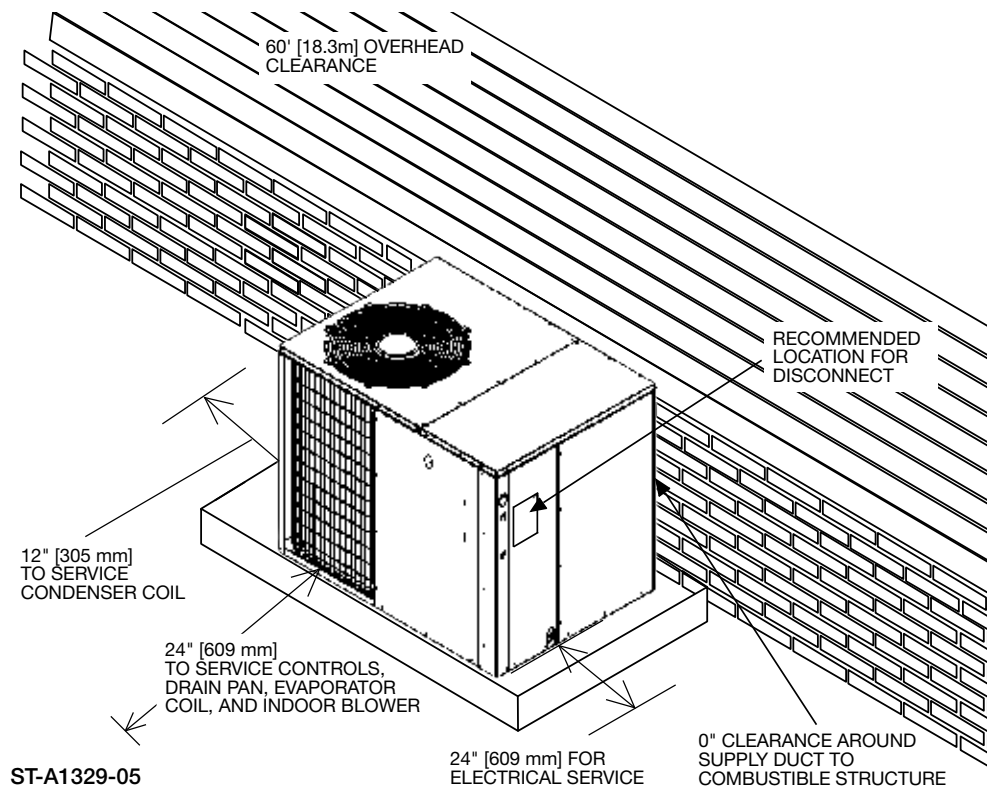
RETURN & SUPPLY DIAMETERS

Model	Return Diameter (in)	Supply Diameter (in)
024K	14"	12"
030K	14"	12"
036K	14"	12"
042K	14"	12"
048K	14"	12"
060K	14"	12"

ACCESSORIES

Description	Part Number
4-Pole Single Circuit Adaptor	913250
Circuit Breaker Single Phase (2-pole)	913554
12" Duct Collar (Sold in multiples of 10)	294941R
14" Duct Collar (Sold in multiples of 10)	294942R

High Wind Tie-Down Kits: <http://miamitech.com/products/metal/cutdnortek.html>





GENERAL TERMS OF LIMITED WARRANTY*

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

***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.**

Compressor

Residential Applications.....Ten (10) Years
Commercial Applications).....Five (5) Years

Parts

Residential Applications
(Registration Required).....Ten (10) Years
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.

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

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