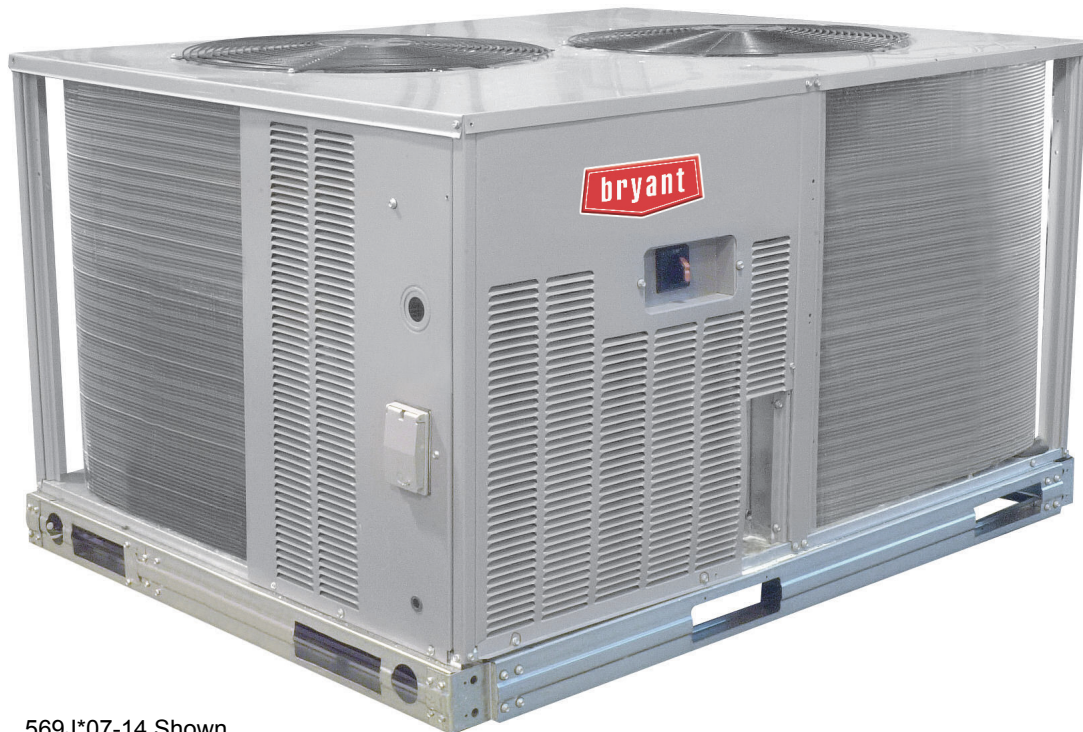


**Commercial Split System  
Air Conditioning Condensing Units  
6 to 25 Tons**



## Product Data

**LEGACY™**  
**LINE**



569J\*07-14 Shown

569J\*07-28 Single and Dual Circuit Condensing Units  
with Puron® R-410A Refrigerant

# Features/Benefits

## These dependable outdoor air cooled condensing units match Bryant's indoor-air handlers to meet a wide selection of cooling solutions.

Bryant's air-cooled air conditioning split systems:

- Provide a logical solution for commercial needs
- Have rugged, dependable construction
- Available with single or dual refrigerant circuits.
- Have cooling capability up to 125°F (52°C) ambient and down to 35°F (2°C) ambient standard

## Constructed for long life

The 569J\*\*\*G/H/M/N single circuit and 569J\*\*\*T/U dual circuit, air cooled condensing units are designed and built to last. The high efficient designed outdoor coil construction allows for a more efficient design in a smaller cabinet size that utilizes an overall reduction in refrigerant charge. Where conditions require, special coil coating coil protection option is available. Cabinets are constructed of pre-painted galvanized steel, delivering unparalleled protection from the environment. Inside and outside surfaces are protected to ensure long life, good looks, and reliable operation. Safety controls are used for enhanced system protection and reliability. Each unit utilizes the Comfort Alert™ diagnostic and troubleshooting control system. This protects the units operation and provides valuable diagnostic information when required.

## Factory-installed options (FIOPs)

Certified and pre-engineered factory-installed options (FIOPs) allow units to be installed in less time, thereby reducing installed cost.

FIOPs include:

- low ambient controls which provide cooling operation down to -20°F (-29°C) ambient temperatures
- non-fused disconnect
- special coil coating coil protection
- louvered hail guard

## Efficient operation

These air cooled condensing units will provide EERs up to 12.0 (tested in accordance with AHRI standard 340/360).

This high efficiency operation will help reduce overall operating cost and energy consumption.

## Controls for performance dependability

The 569J condensing units offer operating controls and components designed for performance dependability. The high efficiency hermetic scroll compressor is engineered for long life and durability. The compressors include vibration isolation for quiet operation. The high-pressure switch protects the entire refrigeration system from abnormally high operating pressures. A low-pressure switch protects the system from loss of charge. These units also include anti-short-cycling protection, which helps to protect the units against compressor failure.

All units include a crankcase heater to eliminate liquid slugging at start-up. Each unit comes standard with the Comfort Alert control system. This provides:

- System Go LED indicator
- Fault LED indicator
- Compressor fault LED indicator
- Phase loss protection
- Phase reversal protection
- Safety pressure indicator
- Anti-short cycle protection

Innovative Bryant 524F/524J packaged air handlers are custom matched to 569J condensing units.

Information on matching 524F/524J DX packaged air handler follows for convenience. See separate product data for more details. The 524F/524J Series has excellent fan performance, efficient direct-expansion (DX) coils, a unique combination of indoor-air quality features, and is easy to install. Its versatility and state-of-the-art features help to ensure economical performance of the split system both now and in the future.

## Indoor-air quality (IAQ) features

The unique combination of IAQ features in the 524F/524J Series air handlers help to ensure that only clean, fresh, conditioned air is delivered to the occupied space.

Direct-expansion 4 row cooling coils prevent the build-up of humidity in the room, even during part-load conditions.

Standard 2 in. (51 mm) disposable filters remove dust and airborne particles from the occupied space for cleaner air.

The pitched, non-corroding drain pan can be adjusted for a right-hand or left-hand connection to suit many applications and provide positive drainage and prevent standing condensate.

The accessory economizer can provide ventilation air to improve indoor-air quality by using demand control ventilation.

## Economy

The 524F/524J Series packaged air handlers provide reduced installation expense and energy-efficient performance.

Quick installation is ensured by the multi-poise design. Units can be installed in either the horizontal or vertical configuration without modifications. Fan motors and contactors are pre-wired and thermostatic expansion valves (TXVs) are factory-installed on all 524F/524J models.

High efficiency, precision-balanced fans minimize air turbulence, surging, and unbalanced operation, cutting operation expenses.

The economizer accessory precisely controls the blend of outdoor air and room air to achieve comfort levels. When the outside air enthalpy is suitable, outside air dampers can fully open to provide "free" cooling without energizing mechanical cooling.

## Rugged dependability

The 524F/524J series units are made to last. The die-formed galvanized steel panels ensure structural integrity under all operating conditions. Galvanized steel fan housings are securely mounted to a die-formed galvanized steel fan deck. Rugged pillow-block bearings are securely fastened to the solid steel fan shaft with split collets and clamp locking devices.

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# Features/Benefits (cont)

The accompanying air handling unit has thermal insulation containing an immobilized anti-microbial agent to inhibit the growth of bacteria and fungi on the insulation.

## Coil flexibility

Model 524F/524J direct-expansion coils have galvanized steel casings; inlet and outlet connections are on the same end.

The coils are designed for use with Puron (R-410A) refrigerant and have 3/8 in. diameter copper tubes mechanically bonded to aluminum sine-wave fins. The coils include matched, factory-installed thermostatic expansion valves (TXVs) with matching distributor nozzles and offer a removable power element and extended connections.

## Easier installation and service

The multipoise design and component layout ensures quick unit installation and operation. Units can be converted from horizontal to vertical operation by simply repositioning the unit. Drain pan connections are duplicated on both sides of the unit. The filters, motor, drive, TXVs, and coil connections are all easily accessed by removing a single side panel.

# Model number nomenclature

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18  
**5 6 9 J E 1 4 M 0 0 0 A 0 0 A 0 A A**

<b>Model Type</b> Puron® Packaged AC Condensing Unit																		<b>Design Rev (only used by factory)</b> A = Standard (ordering model number only has 17 digits)
<b>Voltage</b> E = 460-3-60 P = 208/230-3-60 T = 575-3-60																		<b>Packaging</b> 0 = Standard 1 = LTL
<b>Nominal Tonnage</b> 07 = 6.0 Tons 08 = 7.5 Tons 12 = 10.0 Tons 14 = 12.5 Tons 16 = 15.0 Tons 25 = 20.0 Tons 28 = 25.0 Tons																		<b>Controls</b> 0 = Electro-Mechanical Controls
<b>Type of Coil</b> A = Single Circuit (16 and 25 only) B = Single Circuit with Low Ambient (16 and 25 only) G = Single Circuit, Dual Stage (07 and 08 only) H = Single Circuit, Dual Stage with Low Ambient (07 and 08 only) M = Single Circuit, Dual Stage (12 and 14 only) N = Single Circuit, Dual Stage with Low Ambient (12 and 14 only) T = Dual Circuit, Three Cool Stage (12 to 28 only) U = Dual Circuit, Three Cool Stage with Low Ambient (12 to 28 only)																		<b>Electrical Options</b> A = None C = Non-Fused Disconnect
<b>Future Use</b> 0 = Standard																		<b>Service Options</b> 0 = None 1 = Un-powered Convenience Outlet 2 = Powered Convenience Outlet
<b>Future Use</b> 0 = Standard																		<b>Future Use</b> 0 = Standard
<b>Future Use</b> 0 = Standard																		<b>Coil Options (RTPF)</b> A = Standard Aluminum Fin / Copper Tube B = Precoat Aluminum Fin / Copper Tube C = E-Coat Aluminum Fin / Copper Tube E = Copper Fin / Copper Tube M = Aluminum Fin / Copper Tube with Hail Guard N = Precoat Aluminum Fin / Copper Tube with Hail Guard P = E-Coat Aluminum Fin / Copper Tube with Hail Guard R = Copper Fin / Copper Tube with Hail Guard

# AHRI capacity ratings

AHRI Capacity Ratings<sup>a,b</sup>

UNIT	COOLING STAGES	NOMINAL CAPACITY (tons)	NET COOLING CAPACITY (MBH)	TOTAL POWER (kW)	EER	IEER WITH 2-SPEED VFD
569J*07(G,H)/524F*07A	2	6.0	70.0	5.8	12.0	15.5
569J*08(G,H)/524F*08A	2	7.5	92.0	8.2	11.2	15.5
569J*12(M,N)/524F*12A	2	10.0	117.0	10.4	11.2	15.5
569J*14(M,N)/524J*14A	2	12.5	135.0	12.3	11.0	15.5
569J*16(A,B)/524J*16A	2	15.0	184.0	16.4	11.2	14.3
569J*25(A,B)/524J*25A	2	20.0	240.0	21.8	11.0	13.6
569J*12(T,U)/524F*12A	3	10.0	117.0	10.4	11.2	14.9
569J*14(T,U)/524F*14A	3	12.5	135.0	12.3	11.0	14.2
569J*16(T,U)/524J*16A	3	15.0	184.0	16.7	11.0	14.2
569J*25(T,U)/524J*25A	3	20.0	240.0	22.6	10.6	13.5
569J*28(T,U)/524J*28A	3	25.0	278.0	26.2	10.6	13.2

NOTE(S):

- a. Rated in accordance with AHRI Standard 340/360, as appropriate.  
 b. Ratings are based on:  
 Cooling Standard: 80°F (27°C) db, 67°F (19°C) wb indoor air temp and 95°F (35°C) db outdoor air temp.

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- AHRI — Air Conditioning, Heating, and Refrigeration  
 ASHRAE — American Society of Heating, Refrigeration, and Air-Conditioning, Inc.  
 EER — Energy Efficiency Ratio  
 IEER — Integrated Energy Efficiency Ratio



Sound Power Levels, dB

UNIT	COOLING STAGES	A-WEIGHT OCTAVE OUTDOOR SOUND (dB) <sup>a</sup>								
		TOTAL	63	125	250	500	1000	2000	4000	8000
569J*07G	2	84.6	63.1	68.9	73.4	79.5	80.2	76.4	72.0	64.9
569J*08G	2	84.6	63.1	68.9	73.4	79.5	80.2	76.4	72.0	64.9
569J*12M	2	83.2	60.4	65.8	77.1	76.8	77.1	75.8	70.2	64.7
569J*12T	3	83.8	62.9	69.6	74.4	77.9	79.3	76.1	70.7	61.1
569J*14M	2	82.6	60.5	65.1	70.3	77.2	78.0	75.4	71.2	63.9
569J*14T	3	85.2	64.8	68.9	71.4	82.8	79.0	74.2	69.0	61.9
569J*16A	2	84.2	60.1	69.7	72.8	78.7	79.5	76.3	72.9	67.8
569J*16T	3	82.8	55.5	64.8	73.6	77.2	78.2	74.8	70.7	64.3
569J*25A	2	82.6	60.5	65.1	70.3	77.2	78.0	75.4	71.2	63.9
569J*25T	3	85.2	64.8	68.9	71.4	82.8	79.0	74.2	69.0	61.8
569J*28T	3	88.2	67.8	71.9	74.4	85.8	82.0	77.2	72.0	64.8

NOTE(S):

- a. Outdoor sound data is measured in accordance with AHRI standard 270-2008.

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- dB — Decibel

# Physical data

## 569J\*07-12 Single Circuit Models – Physical Data

UNIT	569J*07(G,H)	569J*08(G,H)	569J*12(M/N)	569J*14(M/N)
<b>NOMINAL CAPACITY (tons)</b>	6	7.5	10	12.5
<b>OPERATING WEIGHT (lb)</b>	389	430	490	598
<b>Refrigeration System</b>				
<b>No. Circuits / No. Comp. / Type</b>	1 / 1 / Scroll	1 / 1 / Scroll	1 / 1 / Scroll	1 / 2 / Scroll
<b>Refrigerant Type</b>	Puron® R-410A	Puron R-410A	Puron R-410A	Puron R-410A
<b>R-410A Shipping Charge A/B (lb)</b>	9.0	9.0	9.0	9.0
<b>System Charge w/ Fan Coil<sup>a</sup></b>	14.0	19.0	22.0	34.2
<b>Metering Device</b>	TXV	TXV	TXV	TXV
<b>High-press. Trip / Reset (psig)</b>	630 / 505	630 / 505	630 / 505	630 / 505
<b>Low-press. Trip / Reset (psig)</b>	54 / 117	54 / 117	54 / 117	54 / 117
<b>Compressor</b>				
<b>Oil Charge A/B (oz)</b>	56	58	85	84
<b>Speed (rpm, 60 Hz)</b>	3500	3500	3500	3500
<b>Condenser Coil</b>				
<b>Material</b>	Al/Cu	Al/Cu	Al/Cu	Al/Cu
<b>Coil type</b>	RTPF	RTPF	RTPF	RTPF
<b>Rows / FPI</b>	2 / 17	2 / 17	2 / 17	3 / 17
<b>Total Face Area (ft<sup>2</sup>)</b>	17.5	23.0	25.1	31.8
<b>Condenser Fan / Motor</b>				
<b>Qty / Motor Drive Type</b>	2 / direct	2 / direct	2 / direct	2 / direct
<b>Motor HP / RPM</b>	1/4 / 1100	1/4 / 1100	1/4 / 1100	1/4 / 1100
<b>Fan Diameter (in.)</b>	22	22	22	22
<b>Nominal Airflow (cfm)</b>	6,000	6,000	6,000	6,000
<b>Watts (total)</b>	610	610	610	610
<b>Piping Connections</b>				
<b>Qty / Suction (in. ODS)</b>	1 / 1-1/8	1 / 1-1/8	1 / 1-3/8	1 / 1-3/8
<b>Qty / Liquid (in. ODS)</b>	1 / 3/8	1 / 1/2	1 / 1/2	1 / 5/8

NOTE(S):

- a. Approximate system charge with about 25 ft piping of sizes indicated with matched 524F or 524J.

## 569J\*12-14 Two Circuit Models – Physical Data

UNIT	569J*12(T/U)	569J*14(T/U)
<b>NOMINAL CAPACITY (tons)</b>	10	12.5
<b>OPERATING WEIGHT (lb)</b>	516	654
<b>Refrigeration System</b>		
<b>No. Circuits / No. Comp. / Type</b>	2 / 2 / Scroll	2 / 2 / Scroll
<b>Refrigerant Type</b>	Puron R-410A	Puron R-410A
<b>R-410A Shipping Charge A/B (lb)</b>	9.0 / 9.0	9.0 / 9.0
<b>System Charge w/ Fan Coil<sup>a</sup></b>	11.9 / 13.1	16.2 / 16.1
<b>Metering Device</b>	TXV	TXV
<b>High-press. Trip / Reset (psig)</b>	630 / 505	630 / 505
<b>Low-press. Trip / Reset (psig)</b>	54 / 117	54 / 117
<b>Compressor</b>		
<b>Oil Charge A/B (oz)</b>	42 / 42	56 / 56
<b>Speed (rpm, 60 Hz)</b>	3500	3500
<b>Condenser Coil</b>		
<b>Material</b>	Al/Cu	Al/Cu
<b>Coil type</b>	RTPF	RTPF
<b>Rows / FPI</b>	2 / 17	3 / 17
<b>Total Face Area (ft<sup>2</sup>)</b>	31.8	31.8
<b>Condenser Fan / Motor</b>		
<b>Qty / Motor Drive Type</b>	2 / direct	2 / direct
<b>Motor HP / RPM</b>	1/4 / 1100	1/4 / 1100
<b>Fan Diameter (in.)</b>	22	22
<b>Nominal Airflow (cfm)</b>	6,000	6,000
<b>Watts (total)</b>	610	610
<b>Piping Connections</b>		
<b>Qty / Suction (in. ODS)</b>	2 / 1-1/8	2 / 1-3/8
<b>Qty / Liquid (in. ODS)</b>	2 / 3/8	2 / 1/2

NOTE(S):

- a. Approximate system charge with about 25 ft piping of sizes indicated with matched 524F or 524J.

# Physical data (cont)

## 569J\*16-25(A/B) Physical Data

UNIT	569J*16(A/B)	569J*25(A/B)
NOMINAL CAPACITY (tons)	15	20
OPERATING WEIGHT (lb)	731	978
<b>Refrigeration System</b>		
No. Circuits / No. Comp. / Type	1 / 2 / Scroll	1 / 2 / Scroll
Refrigerant Type	Puron R-410A	Puron R-410A
R-410A Shipping Charge A/B (lb)	9.0	9.0
System Charge w/ Fan Coil <sup>a</sup>	43.0	38.0
Metering Device	TXV	TXV
High-press. Trip / Reset (psig)	630 / 505	630 / 505
Low-press. Trip / Reset (psig)	54 / 117	54 / 117
<b>Compressor</b>		
Oil Charge A/B (oz)	60 / 60	110 / 110
Speed (rpm, 60 Hz)	3500	3500
<b>Condenser Coil</b>		
Material	Al/Cu	Al/Cu
Coil type	RTPF	RTPF
Rows / FPI	2 / 17	2 / 17
Total Face Area (ft <sup>2</sup> )	23.5 x 2	25.0 x 2
<b>Condenser Fan / Motor</b>		
Qty / Motor Drive Type	3 / direct	4 / direct
Motor HP / RPM	1/4 / 1100	1/4 / 1100
Fan Diameter (in.)	22	22
Nominal Airflow (cfm)	9,000	12,000
Watts (total)	970	1150
<b>Piping Connections</b>		
Qty / Suction (in. ODS)	1 / 1-3/8	1 / 1-5/8
Qty / Liquid (in. ODS)	1 / 5/8	1 / 5/8

NOTE(S):

- a. Approximate system charge with about 25 ft piping of sizes indicated with matched 524J.

## 569J\*16-28(T/U) Physical Data

UNIT	569J*16(T/U)	569J*25(T/U)	569J*28(T/U)
NOMINAL CAPACITY (tons)	15	20	25
OPERATING WEIGHT (lb)	731	978	978
<b>Refrigeration System</b>			
No. Circuits / No. Comp. / Type	2 / 2 / Scroll	2 / 2 / Scroll	2 / 2 / Scroll
Refrigerant Type	Puron R-410A	Puron R-410A	Puron R-410A
R-410A Shipping Charge A/B (lb)	9.0 / 9.0	9.0 / 9.0	9.0 / 9.0
System Charge w/ Fan Coil <sup>a</sup>	20.4 / 22.4	20.90 / 20.55	24.17 / 25.80
Metering Device	TXV	TXV	TXV
High-press. Trip / Reset (psig)	630 / 505	630 / 505	630 / 505
Low-press. Trip / Reset (psig)	54 / 117	54 / 117	54 / 117
<b>Compressor</b>			
Oil Charge A/B (oz)	60 / 60	110 / 110	110 / 110
Speed (rpm, 60 Hz)	3500 / 2900	3500 / 2900	3500 / 2900
<b>Condenser Coil</b>			
Material	Al/Cu	Al/Cu	Al/Cu
Coil type	RTPF	RTPF	RTPF
Rows / FPI	2 / 17	2 / 17	2 / 17
Total Face Area (ft <sup>2</sup> )	23.5 x 2	25.0 x 2	25.0 x 2
<b>Condenser fan / motor</b>			
Qty / Motor Drive Type	3 / direct	4 / direct	4 / direct
Motor HP / RPM	1/4 / 1100	1/4 / 1100	1/4 / 1100
Fan Diameter (in.)	22	22	22
Nominal Airflow (cfm)	9,000	12,000	12,000
Watts (total)	970	1150	1150
<b>Piping Connections</b>			
Qty / Suction (in. ODS)	2 / 1-3/8	2 / 1-3/8	2 / 1-3/8
Qty / Liquid (in. ODS)	2 / 1/2	2 / 1/2	2 / 1/2

NOTE(S):

- a. Approximate system charge with about 25 ft piping of sizes indicated with matched 524J.



# Physical data (cont)

## 569J Piping Recommendations (Single-Circuit)

MODEL & NOMINAL CAPACITY	LINEAR LINE (FT)	0 - 24		25 - 49		50 - 74		75 - 99		100 - 124		125 - 149		150 - 174		175 - 200	
	EQUIV. LINE (FT)	0 - 37		38 - 74		75 - 112		113 - 149		150 - 187		188 - 224		225 - 262		263 - 300	
569J*07(G/H) TC 68.5, SC 5.57°F	Liquid Line Size (in.)	3/8	3/8	1/2	1/2	5/8	1/2	5/8	1/2	5/8	1/2	5/8	1/2	5/8	1/2	5/8	
	Liquid PD (°F)	2.0	4.0	0.7	1.1	0.3	1.4	0.4	1.8	0.5	2.1	0.6	2.5	0.7	2.8	0.8	
	Max Lift (ft)	18	7	34	31	39	44	57	41	57	35	54	31	53	27	52	
	Max Lift PD (°F)	3.5	4.6	3.5	3.5	3.5	5.0	5.0	5.0	5.0	4.9	5.0	5.0	5.0	5.0	5.0	
	Suction Line Size (in.)	7/8	7/8	1-1/8	7/8	1-1/8	7/8	1-1/8	7/8	1-1/8	1-1/8		1-1/8		1-1/8		
	Suction Ln PD (°F)	0.9	1.8	0.5	2.7	0.8	3.6	1.0	4.5	1.3	1.6		1.8		2.1		
	Charge (lb)	10.8	11.8	13.7	15.2	18.5	16.9	21.3	18.7	24.2	21.4	27.1	23.4	30.0	25.3	32.8	
	#/TR	1.90	2.07	2.41	2.67	3.25	2.97	3.74	3.28	4.25	3.8	4.75	4.1	5.26	4.4	5.75	
569J*08(G/H) TC 92.0, SC 11.3°F	Liquid Line Size (in.)	1/2	1/2	5/8	1/2	5/8	1/2	5/8	1/2	5/8	1/2	5/8	1/2	5/8	1/2	5/8	
	Liquid PD (°F)	0.6	1.3	0.3	1.9	0.5	2.5	0.7	3.2	0.9	3.8	1.0	4.4	1.2	5.1	1.4	
	Max Lift (ft)	25	50	50	75	75	100	100	97	97	90	90	82	121	74	119	
	Max Lift PD (°F)	2.7	5.4	4.5	8.1	6.7	10.8	9.0	11.2	8.9	11.2	8.5	11.2	11.2	11.2	11.2	
	Suction Line Size (in.)	7/8	7/8	1-1/8	7/8	1-1/8	1-1/8		1-1/8	1-3/8	1-1/8	1-3/8	1-1/8	1-3/8	1-1/8	1-3/8	
	Suction Ln PD (°F)	1.5	3.1	0.8	4.6	1.2	1.6		2.1	0.7	2.5	0.8	2.9	1.0	3.3	1.1	
	Charge (lb)	15.6	19.0	19.7	20.8	24.1	23.1	26.9	25.1	30.7	26.0	32.8	27.0	34.8	27.9	37.1	
	#/TR	2.08	2.53	2.63	2.77	3.21	3.08	3.59	3.35	4.09	3.47	4.37	3.60	4.64	3.73	4.95	
569J*12(M/N) TC 113.1, SC 7.1°F	Liquid Line Size (in.)	1/2	1/2	5/8	1/2	5/8	1/2	5/8	1/2	5/8	1/2	5/8	5/8		5/8		
	Liquid PD (°F)	0.9	1.9	0.5	2.8	0.8	3.8	1.0	4.7	1.3	5.7	1.6	1.8		2.1		
	Max Lift (ft)	25	40	50	28	54	34	68	22	65	11	63	59		55		
	Max Lift PD (°F)	2.9	5.0	4.5	5.0	5.0	6.5	6.4	6.5	6.4	6.5	6.5	6.4		6.4		
	Suction Line Size (in.)	7/8	1-3/8	1-3/8	1-1/8	1-3/8	1-1/8	1-3/8	1-1/8	1-3/8	1-1/8	1-3/8	1-1/8	1-3/8	1-1/8	1-3/8	
	Suction Ln PD (°F)	2.4	1.2	1.2	1.8	0.6	2.4	0.9	3.1	1.1	3.7	1.3	4.3	1.5	4.9	1.7	
	Charge (lb)	15.7	18.0	20.0	19.8	23.1	21.6	26.1	23.6	29.2	25.5	32.3	34.1	35.3	36.9	38.4	
	#/TR	1.67	1.89	2.09	2.10	2.45	2.29	2.77	2.50	3.10	2.71	3.43	3.62	3.75	3.92	4.08	
569J*14(M/N) TC 146.1, SC 3.9°F	Liquid Line Size (in.)	5/8	5/8	3/4	5/8	3/4	5/8	3/4	5/8	3/4	5/8	3/4	5/8	3/4	3/4	7/8	
	Liquid PD (°F)	0.4	0.8	0.4	1.2	0.6	1.6	0.8	2.0	1.1	2.4	1.1	2.8	1.5	1.7	0.6	
	Max Lift (ft)	23	16	23	10	18	28	38	21	36	14	35	9	30	25	43	
	Max Lift PD (°F)	1.8	1.84	1.84	1.8	1.8	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	
	Suction Line Size (in.)	1-5/8	1-5/8	1-5/8	1-1/8	1-3/8	1-3/8		1-3/8	1-5/8	1-3/8	1-5/8	1-3/8	1-5/8	1-3/8	1-5/8	
	Suction Ln PD (°F) (Cap Red)	0.1	0.2	0.2	3.3 (-2.3%)	1.2	1.6		2.0	0.8	2.4 (-0.7%)	1.0	2.8 (-1.4%)	1.2	3.2 (-2.1%)	1.3	
	Charge (lb)	35.1	38.4	40.9	37.6	41.8	41.1	46.1	44.2	51.6	47.3	56.1	50.3	60.6	63.4	76.9	
	#/TR	3.10	3.99	3.62	3.09	3.44	3.38	3.79	3.64	4.24	3.89	4.61	4.14	4.98	5.21	6.32	
569J*16(A/B) TC 185.7, SC 18.4°F	Liquid Line Size (in.)	5/8	5/8		5/8		5/8		5/8		5/8		5/8		3/4	5/8	3/4
	Liquid PD (°F)	0.7	1.3		2.0		2.7		3.4		4.0		4.7		2.5	5.4	2.8
	Max Lift (ft)	25	50		75		100		125		150		153		175	145	175
	Max Lift PD (°F)	2.8	5.65		8.5		11.3		14.1		16.9		17.9		17.5	17.9	17.9
	Suction Line Size (in.)	1-3/8	1-3/8		1-3/8		1-3/8		1-3/8	1-5/8	1-3/8	1-5/8	1-3/8	1-5/8	1-3/8	1-5/8	
	Suction Ln PD (°F) (Cap Red)	1.4	1.0		1.5		2.0		2.5 (-0.9%)	1.1	3 (-1.8%)	1.3	3.5 (-2.7%)	1.5	4 (-3.6%)	1.7	
	Charge (lb)	35.1	38.1		41.2		44.2		47.3	48.4	50.4	51.7	53.4	63.7	56.5	68.3	
	#/TR	2.9	3.11		3.36		3.61		3.86	3.95	4.11	4.22	4.36	5.20	4.61	5.57	
569J*25(A/B) TC 233.3, SC 13.0°F	Liquid Line Size (in.)	5/8	5/8		5/8		5/8		5/8	3/4	5/8	3/4	5/8	3/4	5/8	3/4	
	Liquid PD (°F)	1.1	2.1		3.2		4.3		5.4	2.8	6.4	3.3	7.5	3.9	8.6	4.4	
	Max Lift (ft)	25	50		93		98		85	116	71	108	59	102	46	95	
	Max Lift PD (°F)	3.2	6.4		9.6		12.5		12.5	12.5	12.4	12.5	12.5	12.5	12.5	12.5	
	Suction Line Size (in.)	1-3/8	1-3/8		1-3/8	1-5/8	1-3/8	1-5/8	1-3/8	1-5/8	1-5/8	2-1/8	1-5/8	2-1/8	1-5/8	2-1/8	
	Suction Ln PD (°F) (Cap Red)	0.8	1.6		2.4 (-0.8%)	1.0	3.3 (-2.2%)	1.4	4 (-3.6%)	1.7	2.0	0.4	2.4 (-0.7%)	0.5	2.7 (-1.2%)	0.6	
	Charge (lb)	31.1	34.1		37.2	37.9	40.2	41.1	43.3	50.7	47.7	58.5	51.0	63.6	54.3	68.7	
	#/TR	2.52	2.77		3.02	3.07	3.26	3.34	3.51	4.11	3.87	4.75	4.13	5.16	4.40	5.57	

### LEGEND

- #/TR — Charge to unit capacity ratio, lb per ton (at 45°F SST, 95°F ODA)
- Cap Red — Capacity reduction caused by suction line pressure drop GT 2°F
- Suction Line PD (°F) — Suction line pressure drop, saturated temperature, °F
- Liquid PD (°F) — Liquid line pressure drop, saturated temperature, °F
- Max Lift — Maximum liquid lift (Indoor unit ABOVE outdoor unit only), at maximum permitted pressure drop.
- Max Lift PD (°F) — Pressure drop including Maximum liquid lift value
- SC — Sub-cooling, °F (at liquid line valve)
- TC — Total Capacity, MBH (at 45°F Saturated suction, 95°F outdoor air temp)

# Physical data (cont)

## 569J Piping Recommendations (Dual-Circuit)<sup>a</sup>

MODEL & NOMINAL CAPACITY	LINEAR LINE (FT)	0 - 24		25 - 49		50 - 74		75 - 99		100 - 124		125 - 149		150 - 174		175 - 200	
	EQUIV. LINE (FT)	0 - 37		38 - 74		75 - 112		113 - 149		150 - 187		188 - 224		225 - 262		263 - 300	
569J*12(T/U) TC 55.9 Each, SC 12.7°F	Liquid Line Size (in.)	3/8	3/8	3/8	3/8	1/2	3/8	1/2	3/8	1/2	3/8	1/2	1/2	5/8	1/2	5/8	
	Liquid PD (°F)	1.4	2.7	5.5	5.5	0.9	6.9	1.1	8.2	1.4	1.6	0.5	1.8	0.5			
	Max Lift (ft)	25	50	75	82	100	66	125	49	133	130	144	128	144			
	Max Lift PD (°F)	3.4	6.8	10.2	12.1	9.0	12.1	11.2	12.1	12.1	12.1	12.1	12.1	12.1			
	Suction Line Size (in.)	3/4	7/8	7/8	7/8	1-1/8	7/8	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8			
	Suction Ln PD (°F) (Cap Red)	1.4	1.2	1.8	2.5 (-0.8%)	0.8	3.1 (-1.9%)	0.9	1.1	1.3	1.5						
	Charge (lb)	9.0	10.0	11.0	12.1	15.7	13.1	17.7	14.9	19.6	21.5	28.2	23.5	31.0			
	#/TR	0.73	0.81	0.89	0.97	1.27	1.05	1.42	1.20	1.58	1.74	2.27	1.89	2.50			
569J*14(T/U) TC 69.8 Each, SC 14.2°F	Liquid Line Size (in.)	3/8	3/8	3/8	3/8	1/2	3/8	1/2	1/2	1/2	5/8	1/2	5/8	1/2	5/8		
	Liquid PD (°F)	2.1	4.1	6.2	8.2	1.5	10.3	1.8	2.2	2.6	0.7	2.9	0.8				
	Max Lift (ft)	25	50	75	69	155	42	125	145	140	163	135	162				
	Max Lift PD (°F)	4.0	8.1	12.1	13.6	9.4	13.6	11.7	13.6	13.6	13.6	13.6	13.6				
	Suction Line Size (in.)	1-3/8	1-3/8	7/8	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8	1-1/8				
	Suction Ln PD (°F) (Cap Red)	0.3	0.6	2.9 (-1.5%)	0.8	1.1	1.4	1.6	1.9	2.2 (-0.3%)	0.7						
	Charge (lb)	16.5	17.9	19.0	19.5	20.6	23.7	21.8	25.7	27.6	29.5	36.2	31.5	39.0			
	#/TR	1.44	1.56	1.52	1.56	1.65	1.90	1.74	2.05	2.21	2.36	2.89	2.52	3.12			
569J*16(T/U) TC 92.9 Each, SC 15.1°F	Liquid Line size	3/8	3/8	3/8	1/2	1/2	1/2	1/2	1/2	5/8	1/2	5/8	1/2	5/8			
	Liquid PD (°F)	3.4	6.9	10.3	1.9	2.6	3.2	3.9	1.0	4.5	1.2	5.1	1.4				
	Max Lift	25	50	32	75	144	125	127	150	121	159	112	157				
	Max Lift PD (°F)	5.5	11.1	13.0	8.2	10.9	13.7	14.5	13.6	14.5	14.5	14.5	14.5				
	Suction Line size	1-3/8	1-3/8	1-1/8	1-1/8	1-1/8	1-1/8	1-3/8	1-1/8	1-3/8	1-1/8	1-3/8	1-1/8				
	Suction Ln PD(°F) (Cap Red)	0.5	1.0	1.2	1.6	2 (-0.1%)	0.7	2.5 (-0.8%)	0.8	2.9 (-1.5%)	1.0	3.3 (-2.2%)	1.1				
	Charge	22.6	23.9	19.5	21.8	23.7	25.7	26.6	27.6	34.4	29.5	37.4	31.5	40.5			
	#/TR	1.42	1.50	1.55	1.73	1.89	2.04	2.11	2.19	2.73	2.35	2.97	2.50	3.22			
569J*25(T/U) TC 121.2 Each, SC 10.6°F	Liquid Line size	3/8	1/2	1/2	5/8	1/2	5/8	1/2	5/8	1/2	5/8	5/8	5/8	3/4			
	Liquid PD (°F)	5.6	2.2	3.3	0.9	4.3	1.2	5.4	1.5	6.5	1.8	2.1	2.4	1.3			
	Max Lift	25	50	64	75	70	108	55	104	42	100	97	92	107			
	Max Lift PD (°F)	7.7	6.3	8.5	7.1	10.0	9.4	9.9	10.0	10.0	10.0	10.0	9.9	10.0			
	Suction Line size	1-1/8	1-1/8	1-1/8	1-3/8	1-1/8	1-3/8	1-1/8	1-3/8	1-3/8	1-3/8	1-3/8	1-3/8				
	Suction Line PD(°F) (Cap Red)	0.7	1.3	2.0	0.7	2.7 (-1.2%)	1.0	3.4 (-2.4%)	1.2	1.4	1.7	1.9					
	Charge	15.2	17.9	19.8	23.2	21.7	26.2	23.7	29.3	26.7	32.4	35.4	38.5	48.5			
	#/TR	1.20	1.41	1.56	1.83	1.72	2.07	1.87	2.31	2.11	2.56	2.80	3.04	3.83			
569J*28(T/U) TC 281.9 Each, SC 13.9°F	Liquid Line size	1/2	1/2	5/8	5/8	3/4	5/8	3/4	5/8	3/4	7/8	3/4	7/8	3/4	7/8		
	Liquid PD (°F)	4.2	8.5	3.0	4.6	2.4	6.1	3.2	7.7	4.0	4.8	1.5	5.6	1.8	6.4	2.1	
	Max Lift	25	14	50	48	75	42	79	23	69	59	99	49	96	39	93	
	Max Lift PD (°F)	6.3	9.6	7.1	8.4	8.4	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	
	Suction Line size	1-1/8	1-3/8	1-5/8	1-3/8	1-5/8	1-5/8	1-5/8	1-5/8	1-5/8	1-5/8	1-5/8	1-5/8	2-1/8			
	Suction Line PD(°F) (Cap Red)	4.2 (-4.0%)	2.8 (-1.6%)	1.2	4.3 (-4.2%)	1.8	2.4	3.0 (-1.9%)	3.6 (-2.9%)	4.2 (-4.0%)	1.9						
	Charge	25.8	28.1	30.4	33.7	39.1	39.2	44.2	43.1	49.3	54.4	63.3	59.5	69.8	64.6	76.4	
	#/TR	1.10	1.20	1.30	1.44	1.67	1.67	1.88	1.83	2.10	2.32	2.69	2.53	2.97	2.75	3.25	

NOTE(S):

a. 569J\*\*\* (T/U) units require TWO sets of refrigeration piping.

### LEGEND

#/TR	— Charge to unit capacity ratio, lb per ton (at 45°F SST, 95°F ODA)
Cap Red	— Capacity reduction caused by suction line pressure drop GT 2°F
Suction Line PD (°F)	— Suction line pressure drop, saturated temperature, °F
Liquid PD (°F)	— Liquid line pressure drop, saturated temperature, °F
Max Lift	— Maximum liquid lift (Indoor unit ABOVE outdoor unit only), at maximum permitted pressure drop.
Max Lift PD (°F)	— Pressure drop including Maximum liquid lift value
SC	— Sub-cooling, °F (at liquid line valve)
TC	— Total Capacity, MBH (at 45°F Saturated suction, 95°F outdoor air temp)





# Base unit dimensions (cont)

## 569J\*07-14 Corner Weights

UNIT	STD. UNIT WT.		CORNER A		CORNER B		CORNER C		CORNER D		CENTER OF GRAVITY <sup>a</sup>			UNIT HEIGHT <sup>a</sup>
	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	X	Y	Z	H
<b>569J*07</b>	389	176	141	64	96	44	62	28	91	41	18 [457.2]	24 [609.6]	21 [533.4]	42-3/8 [1076.0]
<b>569J*08</b>	430	195	142	64	96	44	76	34	111	50	18 [457.2]	24 [609.6]	21 [533.4]	42-3/8 [1076.0]
<b>569J*12(M,N)</b>	490	222	177	80	120	54	78	35	114	52	18 [457.2]	24 [609.6]	24 [609.6]	50-3/8 [1279.2]
<b>569J*14(M,N)</b>	598	271	195	88	142	64	110	50	151	68	20 [508.0]	25 [635.0]	24 [609.6]	50-3/8 [1279.2]
<b>569J*12(T,U)</b>	516	234	185	84	117	53	83	38	131	59	19 [482.6]	23 [584.2]	24 [609.6]	50-3/8 [1279.2]
<b>569J*14(T,U)</b>	654	297	214	97	155	70	120	54	165	75	20 [508.0]	25 [635.0]	24 [609.6]	50-3/8 [1279.2]

NOTE(S):

a. Dimensions are in inches [mm].

# Base unit dimensions (cont)

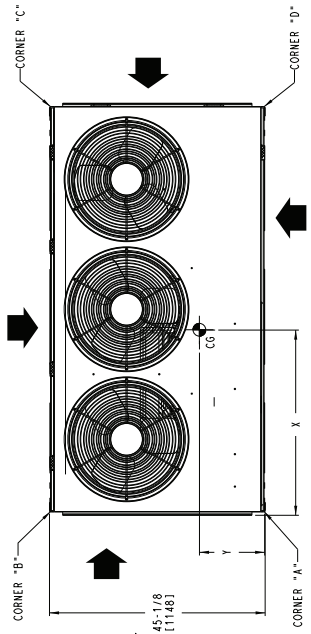
## 569J\*16 Base Unit Dimensions

UNIT	ELECTRICAL CHARACTERISTICS	STD. UNIT WT.		CORNER A		CORNER B		CORNER C		CORNER D		CENTER OF GRAVITY		UNIT HEIGHT						
		LBS.	KG.	LBS.	KG.	LBS.	KG.	LBS.	KG.	LBS.	KG.	X	Y	Z	H					
569JA16 (RTPF)	208/230-3-60, 460-3-60, 575-3-60	731	332	237	107	172	78	135	61	186	84	38	1465.2	19	1482.6	17	1431.8	50-3/8	1127.9	21
569JD16 (RTPF)	208/230-3-60, 460-3-60, 575-3-60	731	332	237	107	172	78	135	61	186	84	38	1465.2	19	1482.6	17	1431.8	50-3/8	1127.9	21

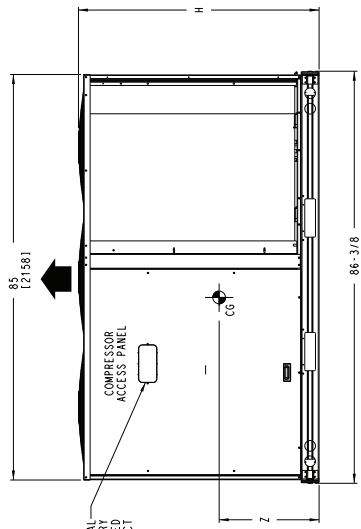
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UNIT	SERVICE VALVE CONNECTIONS		QTY
	SUCTION	LIQUID	
569JA16	1-3/8 (134.9)	5/8 (12.7)	1 EA
569JD16	1-3/8 (134.9)	1/2 (12.7)	2 EA

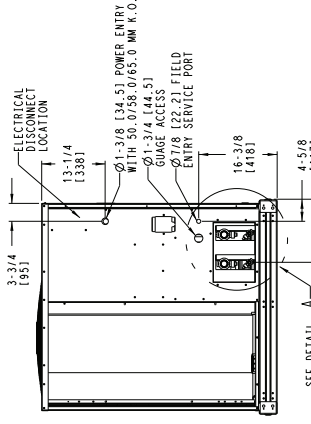
- NOTES:
- MINIMUM CLEARANCE (LOCAL CODES OR JURISDICTION MAY VARY) FROM COMBUSTIBLE SURFACES: 0 INCHES.
  - OUTDOOR COLL. FOR PROPER AIR FLOW: 36 INCHES.
  - ONE SIDE, 12 INCHES THE OTHER, THE SIDE GETTING THE GREATER CLEARANCE IS OPTIONAL.
  - OPERATION: 60 INCHES, TO ASSURE PROPER OUTDOOR FAN OPERATION.
  - BETWEEN UNITS: CONTROL BOX SIDE: 42 INCHES PER NEC.
  - BETWEEN UNIT AND UNGROUND SURFACES: CONTROL BOX SIDE: 42 INCHES PER NEC.
  - BETWEEN UNIT AND BLOCK OR CONCRETE WALLS AND OTHER GROUND SURFACES: CONTROL BOX SIDE: 42 INCHES PER NEC.
  - WITH EXCEPTION OF THE CLEARANCE FOR THE OUTDOOR FAN, ALL CLEARANCES ARE TO BE MEASURED TO THE FACE OF BARRICADE REQUIREMENTS, NOT CLEARABLE FENCE OR BARRICADE.
  - UNITS MAY BE INSTALLED ON COMBUSTIBLE FLOORS MADE OF WOOD OR CLASS A, B OR C ROOF COVERING MATERIAL.



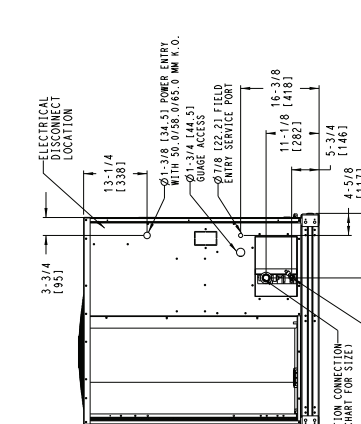
TOP VIEW



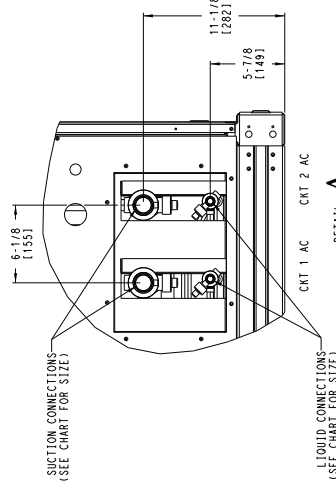
FRONT VIEW



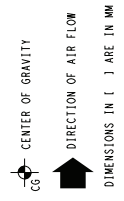
LEFT SIDE VIEW FOR 569J SYSTEMS



LEFT SIDE VIEW



DETAIL A  
(NOTE POSITION OF CKT 1)



DIMENSIONS IN ( ) ARE IN MM

TIC CLASSIFICATION	SHEET	DATE	SUPERCEDS	REV
U.S. ECCN:NSR	1 OF 1	05/08/19	569JA AND 569JD CONDENSING UNIT	G
				38AU500504

NOTE: Dimensions and drawings for refrigerant option D also apply to option T.

# Base unit dimensions (cont)

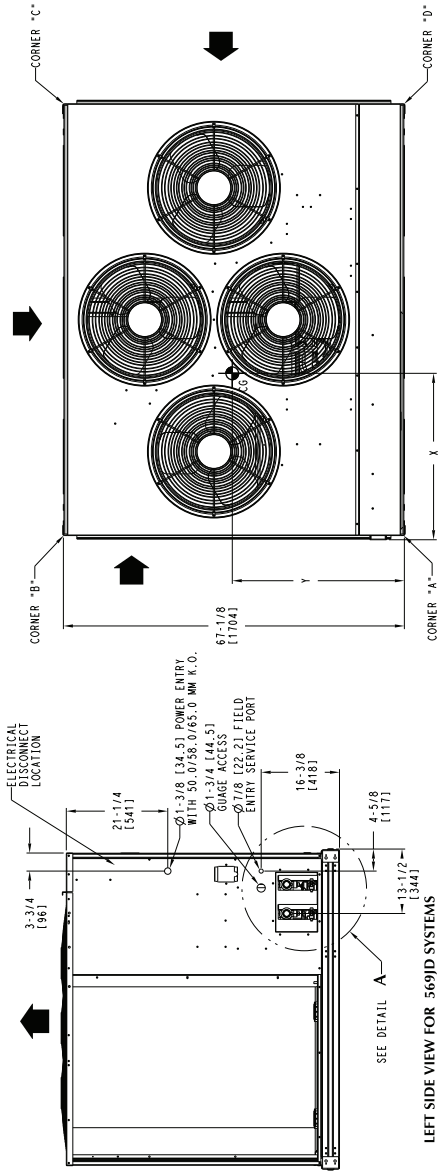
## 569J\*25-28 Base Unit Dimensions

UNIT	ELECTRICAL CHARACTERISTICS	STD. UNIT WT.		CORNER A		CORNER B		CORNER C		CORNER D		CENTER OF GRAVITY		UNIT HEIGHT							
		KG	LB	KG	LB	KG	LB	KG	LB	KG	LB	X	Y	Z	H						
569JA25 (1RPF)	208/220-3 60 460-3 60-575-3 60	978	444	360	163	188	85	147	67	283	128	38	1584	21	17	1431	81	50-3/8	11279	21	
569JT25 (1RPF)	208/220-3 60 460-3 60-575-3 60	978	444	360	163	188	85	147	67	283	128	38	1584	21	17	1431	81	50-3/8	11279	21	
569JT28 (1RPF)	208/220-3 60 460-3 60-575-3 60	978	444	327	148	210	95	173	78	269	122	39	1990	61	26	25	1666	81	50-3/8	11279	21

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UNIT	SERVICE VALVE CONNECTIONS		QTY
	SUCTION	LIQUID	
569JA25	1-5/8 (41.3)	5/8 (15.9)	1 EA
569JT25	1-3/8 (34.9)	1/2 (12.7)	2 EA
569JT28	1-3/8 (34.9)	1/2 (12.7)	2 EA

- NOTES:
- MINIMUM CLEARANCE (LOCAL CODES OR JURISDICTION MAY PREVAILE) TO COMBUSTIBLE SURFACES: 0 INCHES.
  - OUTDOOR COIL - FOR PROPER AIR FLOW: 36 INCHES ONE SIDE, 12 INCHES THE OTHER. THE SIDE GETTING THE GREATER CLEARANCE IS OPTIONAL.
  - OPERATION: 69 INCHES, TO ASSURE PROPER OUTDOOR FAN OPERATION.
  - BETWEEN UNITS: CONTROL BOX SIDE, 42 INCHES PER NEC.
  - BETWEEN UNIT AND UNGROUND SURFACES: CONTROL BOX SIDE, 12 INCHES PER NEC.
  - BETWEEN UNIT AND BLOCK OR CONCRETE WALLS AND OTHER GROUND SURFACES: CONTROL BOX SIDE, 42 INCHES PER NEC.
  - WITH EXCEPTION OF THE CLEARANCE FOR THE OUTDOOR COIL, ALL CLEARANCES REQUIRE A NON-COMBUSTIBLE FENCE OR BARRIER.
  - UNITS MAY BE INSTALLED ON COMBUSTIBLE FLOORS MADE OF WOOD OR CLASS A, B OR C ROOF COVERING MATERIAL.



SEE DETAIL A

LEFT SIDE VIEW FOR 569JD SYSTEMS

TOP VIEW

LEFT SIDE VIEW

FRONT VIEW

RIGHT SIDE VIEW

TOP VIEW

FRONT VIEW

LEFT SIDE VIEW

RIGHT SIDE VIEW

TOP VIEW

FRONT VIEW

LEFT SIDE VIEW

RIGHT SIDE VIEW

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TOP VIEW

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# Options and accessories

## 569J Factory-Installed Options

ITEM	OPTION <sup>a</sup>	ACCESSORY <sup>b</sup>
E-coated Aluminum-Fin Coils	X	
Pre-coated Coils	X	
Copper-Fin Coils	X	
Low-Ambient Temperature Kit (Motormaster® I)	X	X
Louvered Hail Guard	X	X
Condenser Coil Grille		X
Non-fused Disconnect Switch	X <sup>c</sup>	
Powered Convenience Outlet	X	
Unpowered Convenience Outlet	X	
Two-Speed Indoor Fan System	X <sup>d</sup>	

NOTE(S):

- Factory-installed option.
- Field-installed accessory.
- Non-fused disconnect switch cannot be used when unit MOCP electrical rating exceeds 80 amps.
- Requires pairing with 524F/524J series packaged air handlers.

### E-coated Aluminum-Fin Coils

Have a flexible and durable epoxy coating uniformly applied to all coil surfaces. Unlike brittle phenolic dip and bake coatings, E-coating provides superior protection with unmatched flexibility, edge coverage, metal adhesion, thermal performance, and most importantly, corrosion resistance.

### Copper-Fin Coils

Copper fins and copper tubes are mechanically bonded to copper tubes and copper tube sheets. A polymer strip pre-vents coil assembly from contacting the sheet metal coil pan to minimize potential for galvanic corrosion between coil and pan.

### Pre-coated Coils

Provides protection in mild coastal environments.

### Low-Ambient Temperature Kit (Motormaster® I) (-20°F [-29°C])

Controls outdoor-fan motor operation to maintain the correct head pressure at low outdoor ambient temperatures.

### Louvered Hail Guard

Protects coils against damage from flying debris and hail.

### Non-Fused Disconnect Switch

Used to remove power locally at the condensing unit. This switch also includes a power lockout capability to protect the service person. This lockout switch saves the service person time and effort because there is no need to access a distant disconnect switch while servicing the unit.

NOTE: Non-fused disconnect switch cannot be used when unit MOCP electrical rating exceeds 80 amps.

### Powered Convenience Outlet

Provides a convenient, 15 amp, 115v GFCI receptacle with “Wet in Use” cover. The “powered” option allows the installer to power the outlet from the line side of the disconnect or load side as required by code.

### Unpowered Convenience Outlet

The unpowered convenience outlet is available as a 15 amp factory-installed option or a 20 amp field-installed accessory.

## 569J Field-Installed Accessories

### Low-Ambient Temperature Kit (Motormaster® I) (-20°F [-29°C])

Controls outdoor-fan motor operation to maintain the correct head pressure at low outdoor ambient temperatures.

### Louvered Hail Guard

Protects coils against damage from flying debris, vandalism, and hail.

### Condenser Coil Grille

Protects condensing unit coil from impact by large objects and vandalism.

## 524F/524J Factory-Installed Options

ITEM	OPTION <sup>a</sup>	ACCESSORY <sup>b</sup>
Alternate Drive	X <sup>c</sup>	
Alternate Fan Motor	X <sup>c</sup>	
CO <sub>2</sub> Sensors		X
Condensate Drain Trap		X
Discharge Duct Adapter		X <sup>d</sup>
Discharge Plenum		X
EconoMi\$er IV Standard Leak		X
EconoMi\$er X Ultra Low Leak — FDD		X
Electric Heater		X
Hot Water Heating Coils (2 row)		X
Optional VFD Display Kit		X <sup>c</sup>
Overhead Suspension Package		X
Pre-Painted Units	X	
Return Air Grille		X
Steam Heating Coil (1 row)		X
Subbase		X

NOTE(S):

- Factory-installed option.
- Field-installed accessory.
- 524J only
- 524F only

### Alternate Fan Motors and Drives

Provide the widest possible range of performance.

### Pre-painted Steel Constructed Units

Available from the factory for applications that require painted units. Unit color is American Sterling Gray.

### Two-Speed Indoor Fan System

All 524F/J units come standard with our two-speed indoor fan system. The units will automatically adjust the indoor fan motor speed in sequence with the unit's cooling operation. Per ASHRAE 90.1 2010 standard section 6.4.3.10.b, during the first stage of cooling operation the fan motor (either ECM or controlled by VFD) will adjust to provide two-thirds of the total cfm established for the unit. When a call for the second stage of cooling is required, the fan motor will allow the total cfm (100%) established for the unit. During the heating mode the fan motor will allow total design cfm (100%) operation and during the ventilation mode the fan motor will allow operation to two-thirds of total cfm.

## 524F/524J Field-Installed Accessories

### CO<sub>2</sub> Sensors

Used in conjunction with the economizer accessory to help meet indoor air quality requirements. The sensor signals the economizer to open when the CO<sub>2</sub> level in the space exceeds

## Options and accessories (cont)

the setpoint. An approved programmable thermostat can also be used to override the sensor if the outside-air temperature is too high or too low.

### Condensate Drain Trap

Includes an overflow shutoff switch that can be wired to turn off the unit if the trap becomes plugged. The kit also includes a wire harness that can be connected to an alarm if desired. The transparent trap is designed for easy service and maintenance.

### Discharge Duct Adapter

This accessory is required for replacements using 40RF units with or without electric heat. It is not required for new installations or when using steam coil, hot water coil, or discharge plenum accessories.

### Discharge Plenum

Directs the air discharge into the occupied space; integral horizontal and vertical louvers enable redirection of airflow. This accessory is available unpainted or painted.

### Economizers — Temperature Dry Bulb Controlled

#### Ultra Low Leak — *EconoMi\$er X*

This economizer accessory comes with solid-state W7220 controller, gear-driven, modulating damper, and spring return actuator. It is supply/outdoor air sensors, and CO2 sensor compatible, for use in electro-mechanical controls only. It also includes return and outside air damper leakage that meets California Title 24 section 140.4 requirements. Controller meets California Title 24 Section 120.2 Fault Detection and Diagnostic (FDD) requirements. Also meets AMCA Class 1A economizer damper test standards and labeling.

#### Standard — *EconoMi\$er IV*

The standard economizer accessory comes with gear driven damper blades and a W7212 controller (use p/n HH57AC078 sensor for enthalpy control).

### Electric Heater

Electric heaters are available as factory-supplied, field-installed accessories for nominal 240v, 480v, and 575v, 3-phase, 60 Hz units. Electric heaters are ETL (U.S.A.) and

ETL, Canada, agency-approved. They have single-point power wiring. The heater assembly includes contactors with 24-v coils, power wiring, 24-v control wiring terminal blocks, and a hinged access panel. Electric heaters should not be used with an air discharge plenum.

### Two-Row Hot Water Heating Coils

The 5/8 in. diameter copper tubes are mechanically bonded to aluminum plate fins. Coils have non-ferrous headers.

### Optional VFD Display Kit (524J only)

There is an optional VFD display kit offered (as an accessory) for 40RU units to allow the user to troubleshoot any VFD faults in the field after start-up.

NOTE: Do not use the VFD display kit to adjust the frequency and voltage in the VFD to required performance requirements. This could lead to decreased life of the motor and VFD.

### Overhead Suspension Package

The overhead suspension package includes necessary brackets to support units in horizontal ceiling installations.

### Return-Air Grille

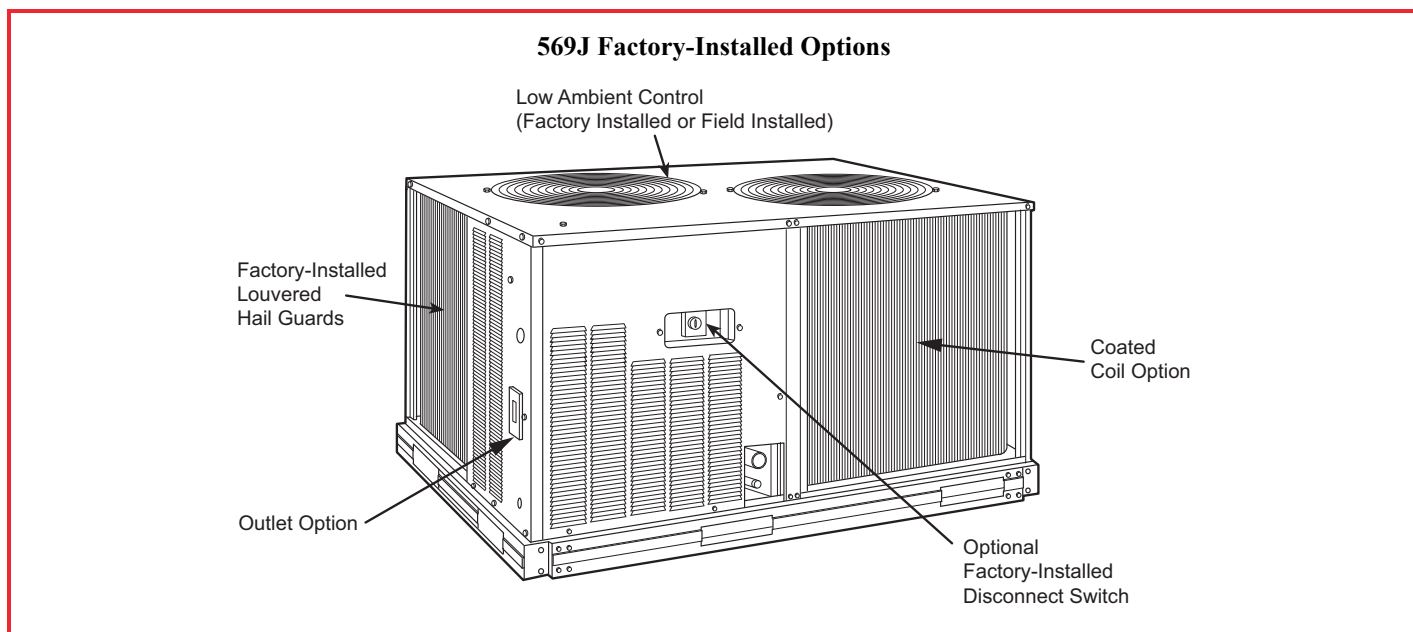
Provides a protective barrier over the return-air opening and gives a finished appearance to units installed in the occupied space. This accessory is available unpainted or painted.

### One-Row Steam Heating Coil

One inch OD copper tube and aluminum fins. The Inner Distributing Tube (IDT) design provides uniform temperatures across the coil face. The IDT steam coils are especially suited to applications where sub-freezing air enters the unit.

### Subbase

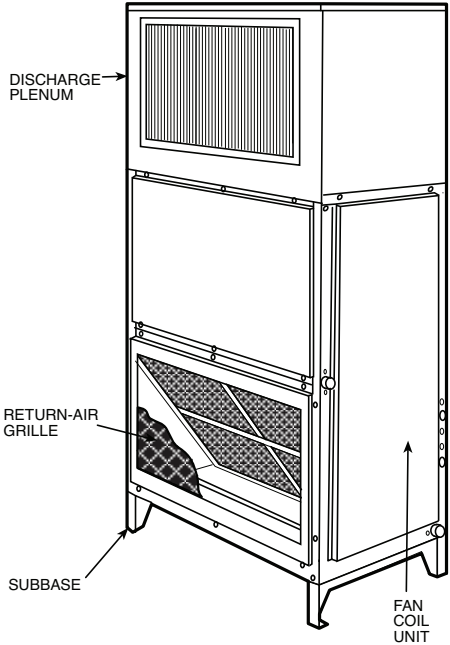
A stable, raised platform and room for condensate drain connection for floor-mounted units. This accessory is available unpainted or painted. Overhead suspension package includes necessary brackets to support units in horizontal installations.



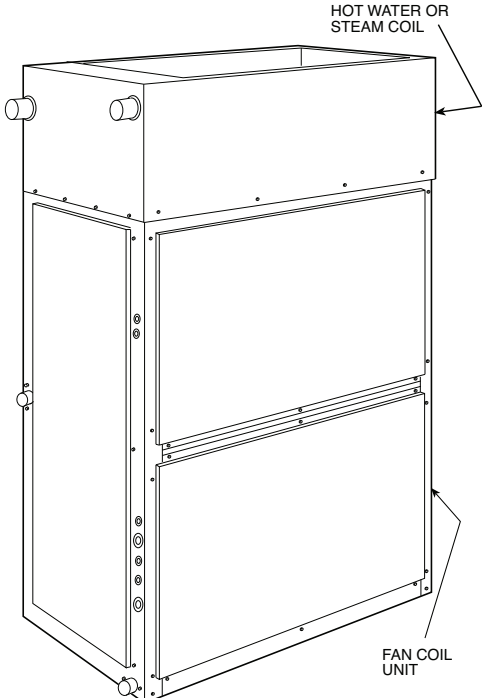


# Options and accessories (cont)

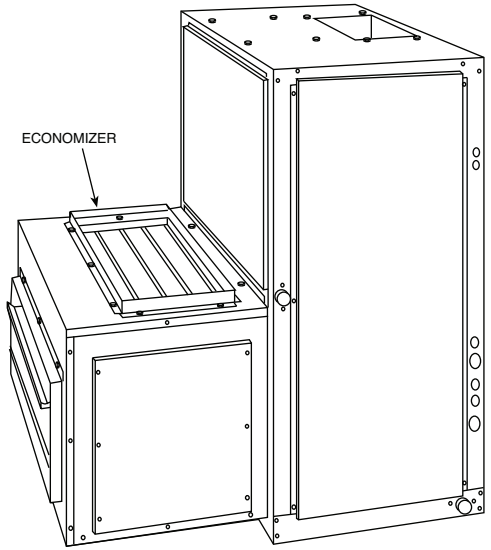
**524F/524J with Discharge Plenum  
Return-Air Grille and Sub-base**



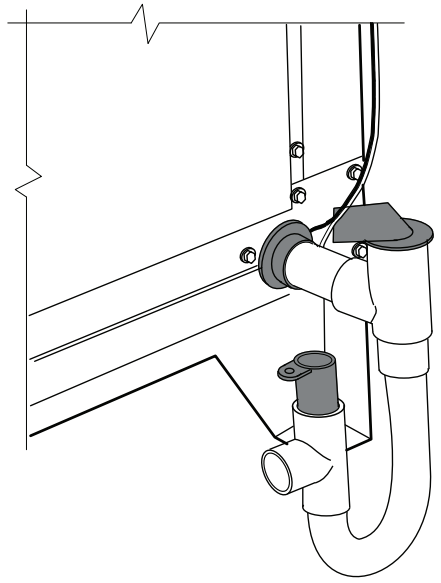
**524F/524J with Hot Water or Steam Coil**



**524F/524J with Economizer**

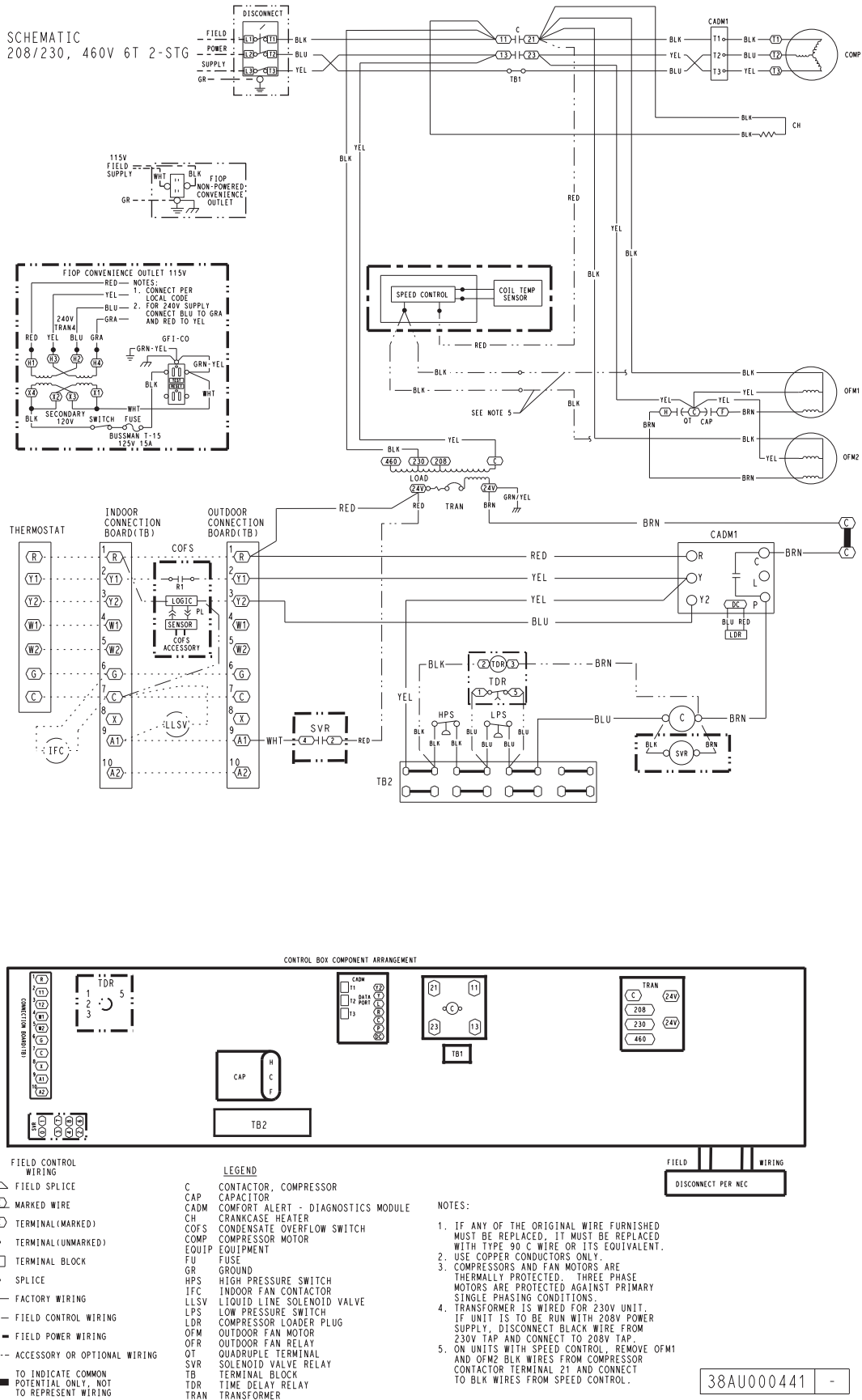


**524F/524J with Condensate Trap**



# Typical piping and wiring

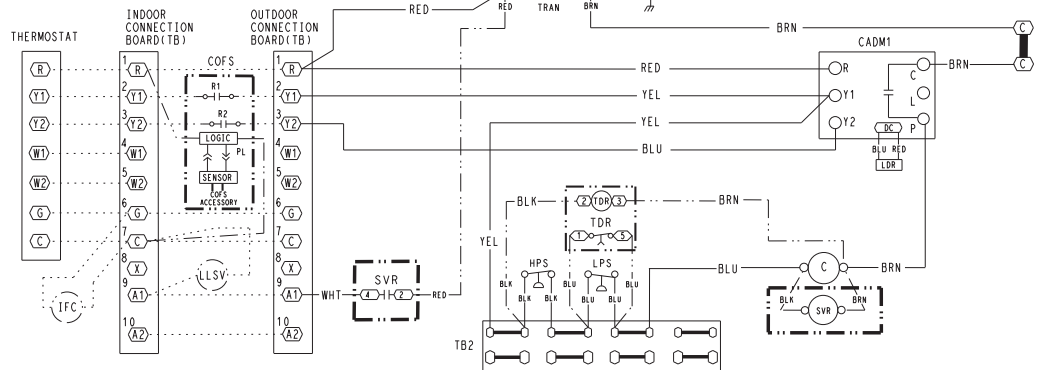
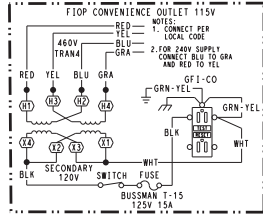
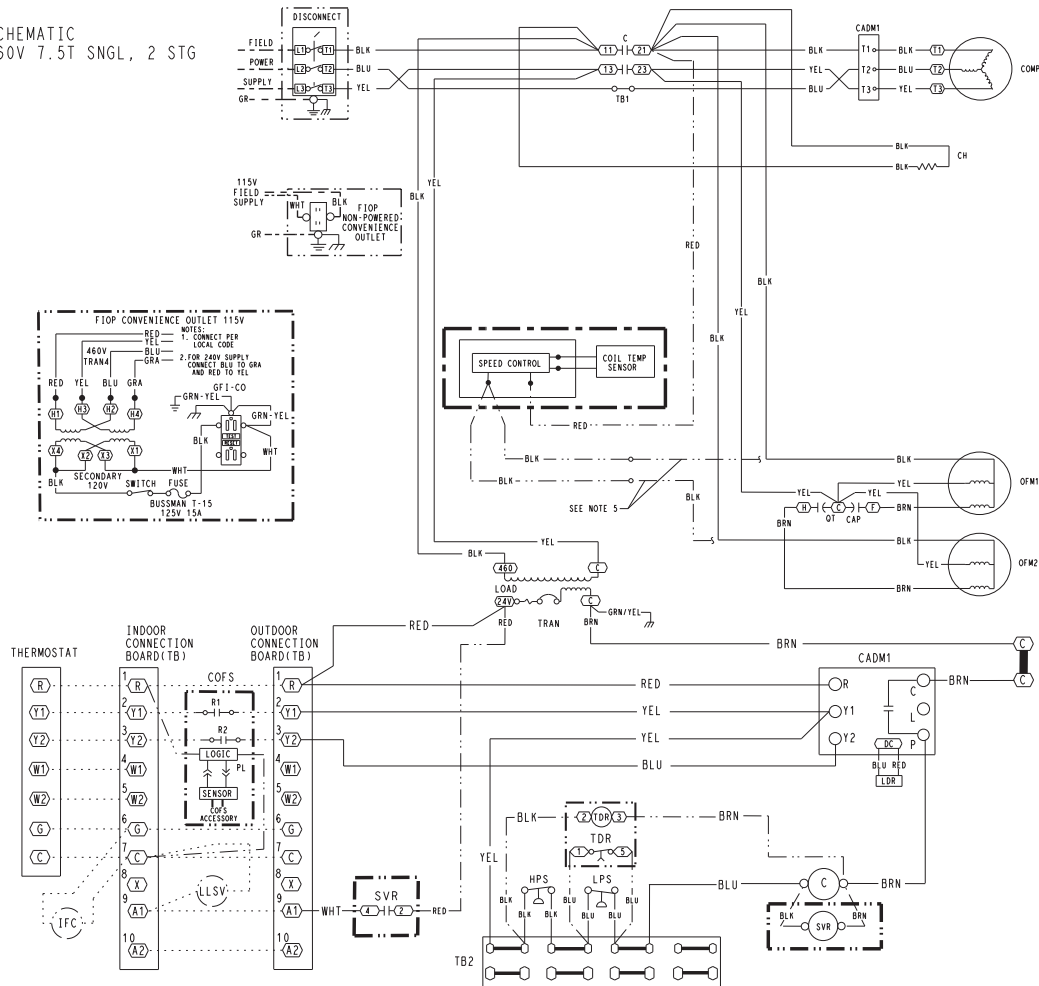
## Typical Single Circuit/Two-Stage Wiring Diagram, 6 Ton — 460-3-60 Units



# Typical piping and wiring (cont)

## Typical Single Circuit/Two-Stage Wiring Diagram, 7.5 Ton — 460-3-60 Units

SCHEMATIC  
460V 7.5T SNGL, 2 STG



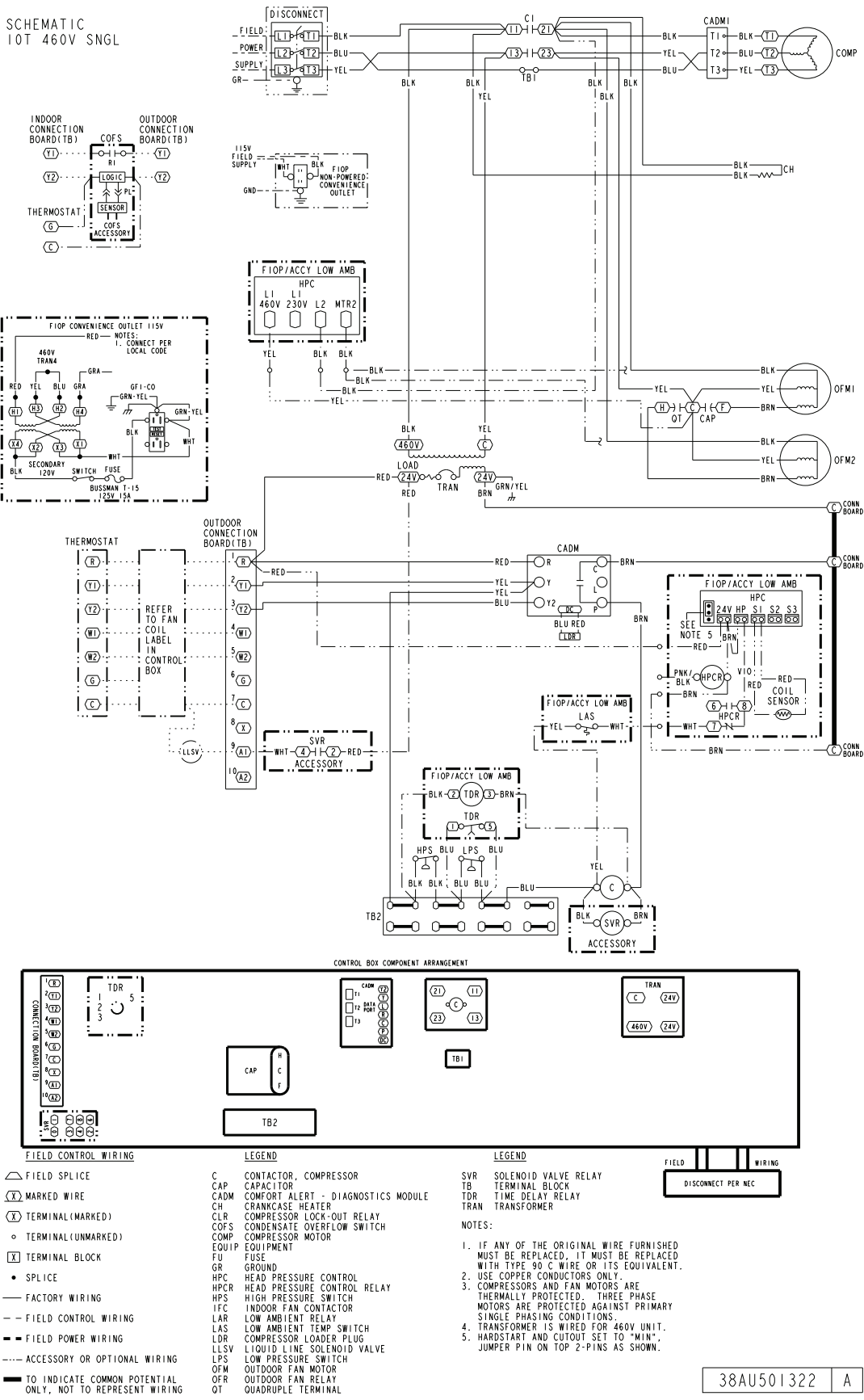
- LEGEND**
- C CONTACTOR, COMPRESSOR
  - CAP CAPACITOR
  - CADM COMFORT ALERT - DIAGNOSTICS MODULE
  - CH CRANKCASE HEATER
  - COFS CONDENSATE OVERFLOW SWITCH
  - COMP COMPRESSOR MOTOR
  - CTD CYCLE TIMER DEVICE
  - CTR COMPRESSOR TIMERR RELAY
  - DCS DIGITAL COMPRESSOR SOLENOID EQUIP
  - FU FUSE
  - GR GROUND
  - HPS HIGH PRESSURE SWITCH
  - IFC INDOOR FAN CONTACTOR
  - LDR COMPRESSOR LOADER PLUG
  - LLSV LIQUID LINE SOLENOID VALVE
  - LPS LOW PRESSURE SWITCH
  - OFM OUTDOOR FAN MOTOR
  - OFR OUTDOOR FAN RELAY
  - QT QUADRUPLE TERMINAL
  - SVR SOLENOID VALVE RELAY
  - TB TERMINAL BLOCK
  - TDR TIME DELAY RELAY
  - TRAN TRANSFORMER
- FIELD CONTROL WIRING**
- △ FIELD SPLICE
  - (X) MARKED WIRE
  - (X) TERMINAL (MARKED)
  - TERMINAL (UNMARKED)
  - (X) TERMINAL BLOCK
  - SPLICE
  - FACTORY WIRING
  - - - FIELD CONTROL WIRING
  - - - FIELD POWER WIRING
  - - - ACCESSORY OR OPTIONAL WIRING
  - TO INDICATE COMMON POTENTIAL ONLY, NOT TO REPRESENT WIRING

- NOTES:**
1. IF ANY OF THE ORIGINAL WIRE FURNISHED MUST BE REPLACED, IT MUST BE REPLACED WITH TYPE 90 C WIRE OR ITS EQUIVALENT.
  2. USE COPPER CONDUCTORS ONLY.
  3. COMPRESSORS AND FAN MOTORS ARE THERMALLY PROTECTED. THREE PHASE MOTORS ARE PROTECTED AGAINST PRIMARY SINGLE PHASING CONDITIONS.
  4. TRANSFORMER IS WIRED FOR 230V UNIT. IF THE UNIT IS TO BE RUN WITH 208V POWER SUPPLY, DISCONNECT BLACK WIRE FROM 230V TAP AND CONNECT TO 208V TAP.
  5. ON UNITS WITH SPEED CONTROL, REMOVE OFM1 AND OFM2 BLK WIRES FROM COMPRESSOR CONTACTOR TERMINAL 21 AND CONNECT TO BLK WIRES FROM SPEED CONTROL.

38AU000760 -

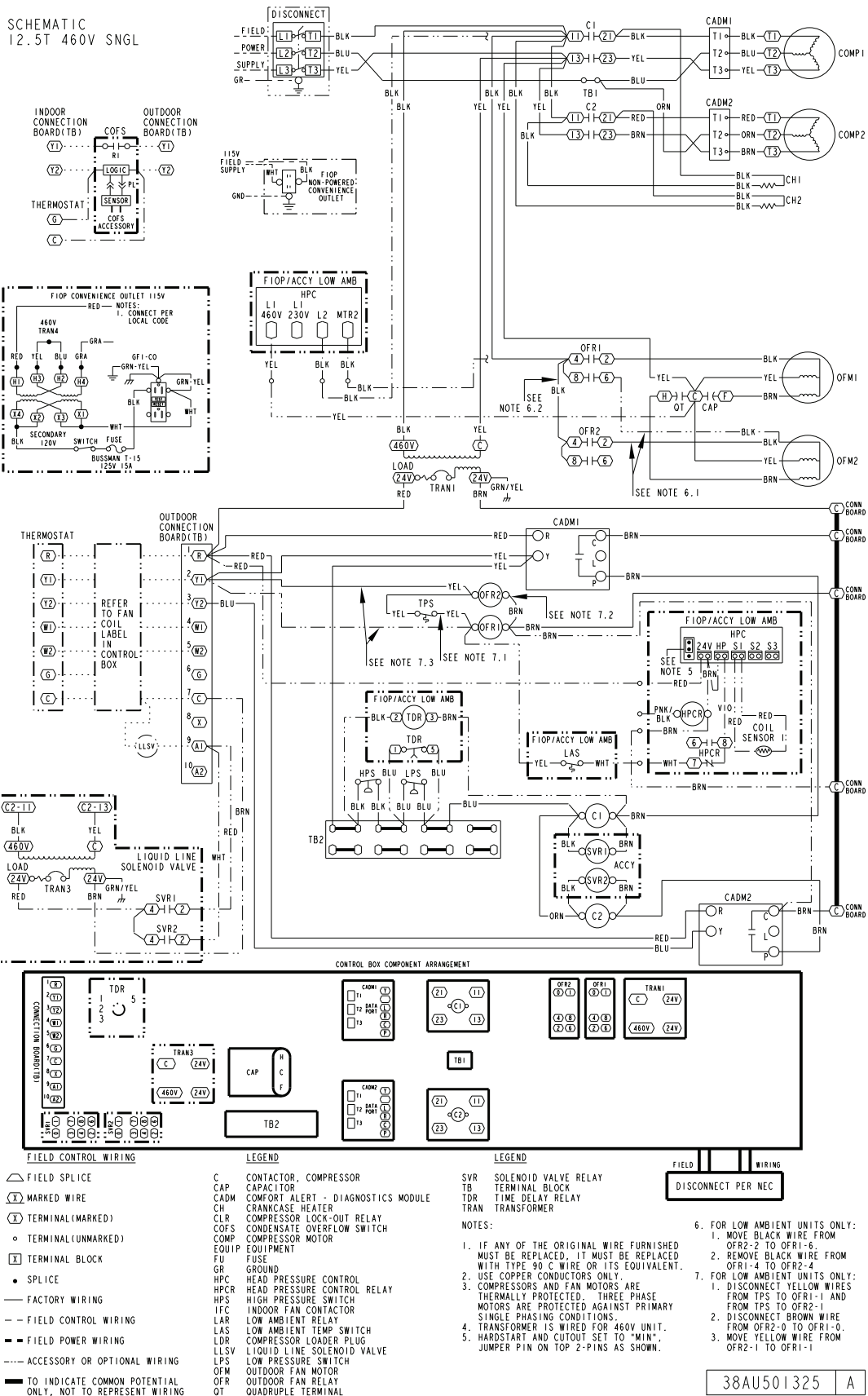
# Typical piping and wiring (cont)

## Typical Single Circuit/Two-Stage Wiring Diagram, 10 Ton — 460-3-60 Units



# Typical piping and wiring (cont)

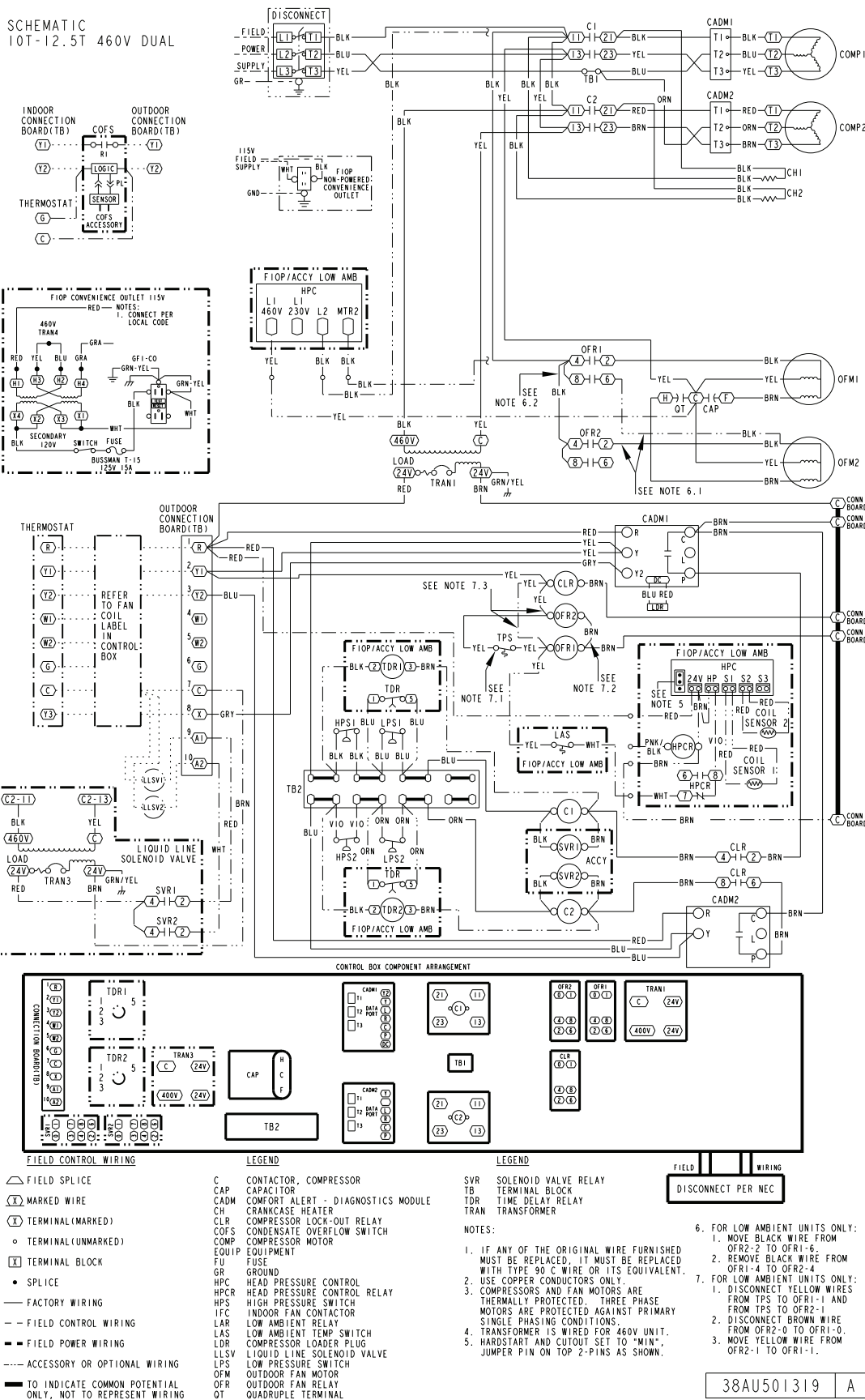
## Typical Single Circuit/Two-Stage Wiring Diagram, 12.5 Ton — 460-3-60 Units



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# Typical piping and wiring (cont)

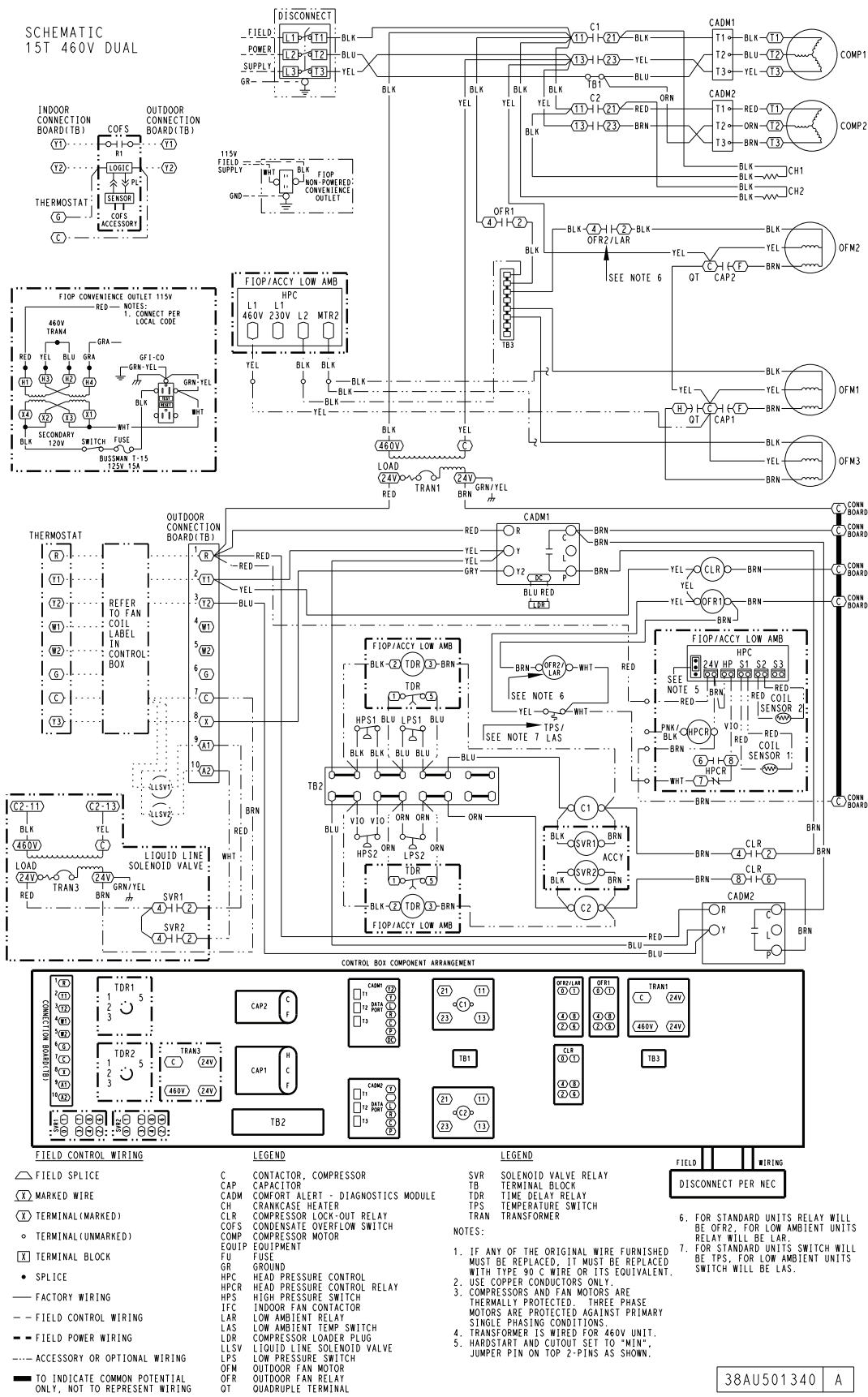
## Typical Dual Circuit/Three-Stage Wiring Diagram, 10-12.5 Ton — 460-3-60 Units





# Typical piping and wiring (cont)

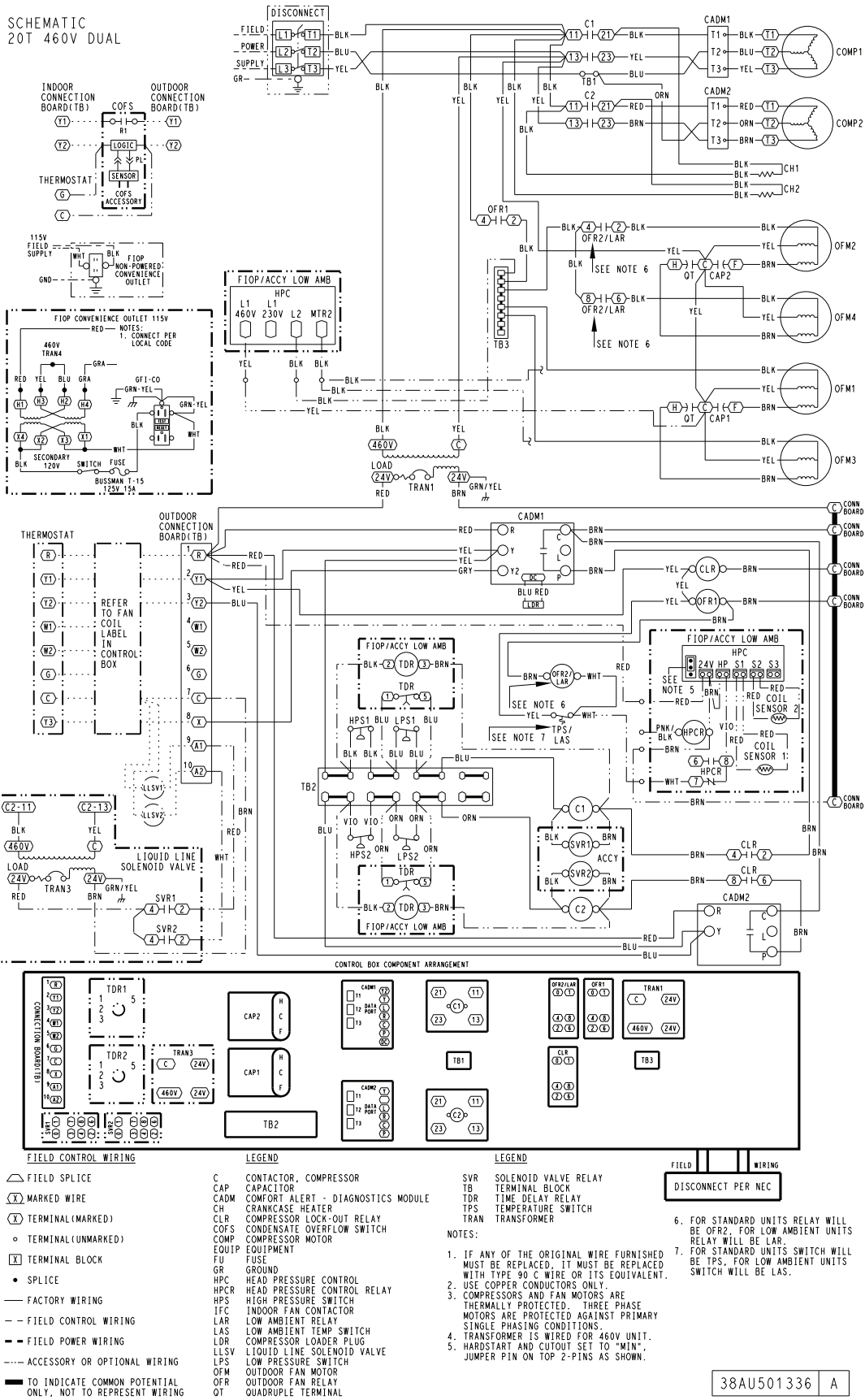
## Typical Dual Circuit/Three Stage Wiring Diagram, 15 Ton — 460-3-60 Unit



# Typical piping and wiring (cont)

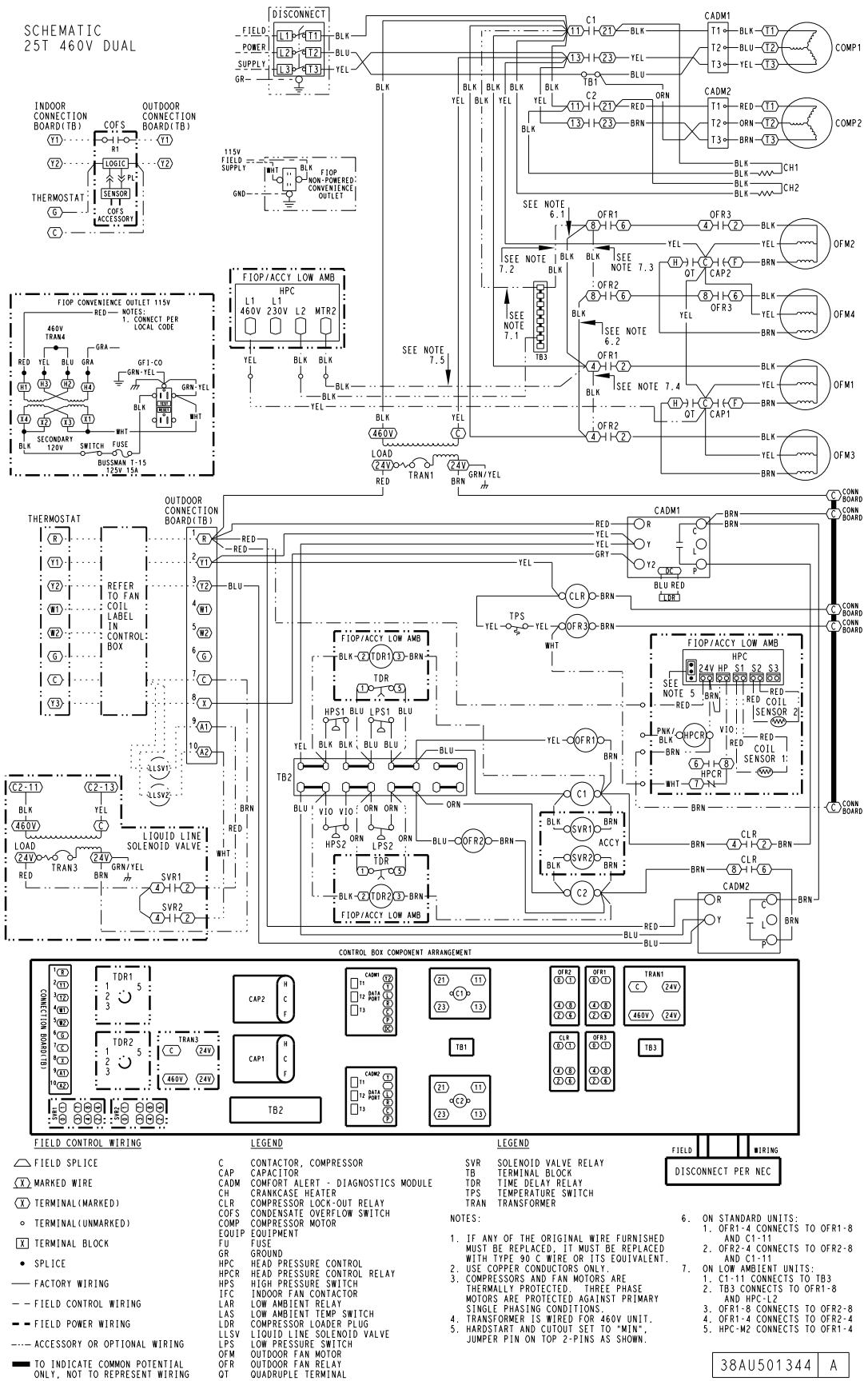
## Typical Dual Circuit/Three Stage Wiring Diagram, 20 Ton (460-3-60 Unit Shown)

SCHMATIC  
20T 460V DUAL



# Typical piping and wiring (cont)

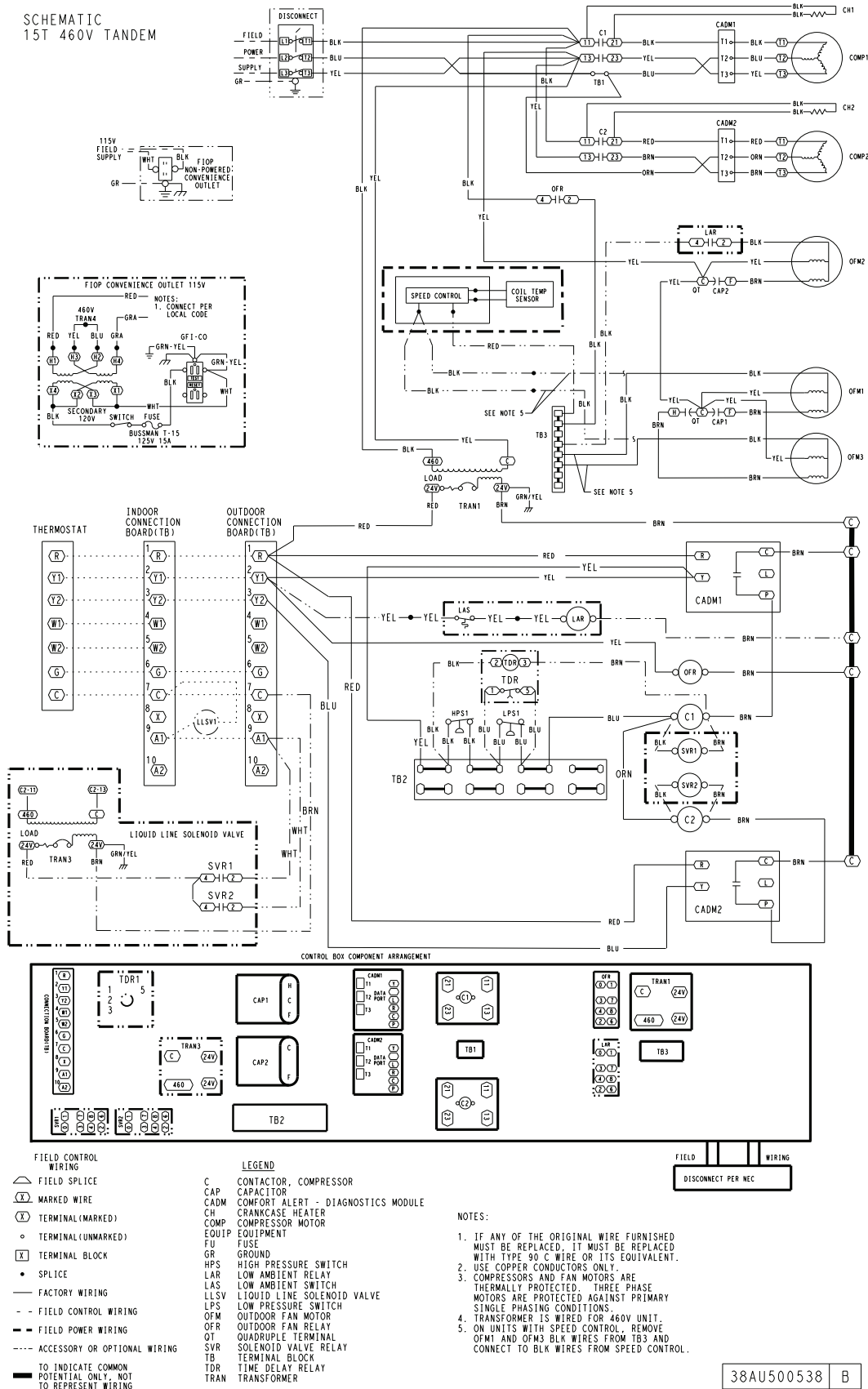
## Typical Dual Circuit/Three Stage Wiring Diagram, 25 Ton (460-3-60 Unit Shown)



# Typical piping and wiring (cont)

## Typical Single Circuit/Two Stage Wiring Diagram, 15 Ton (460-3-60 Unit Shown)

SCHEMATIC  
15T 460V TANDEM

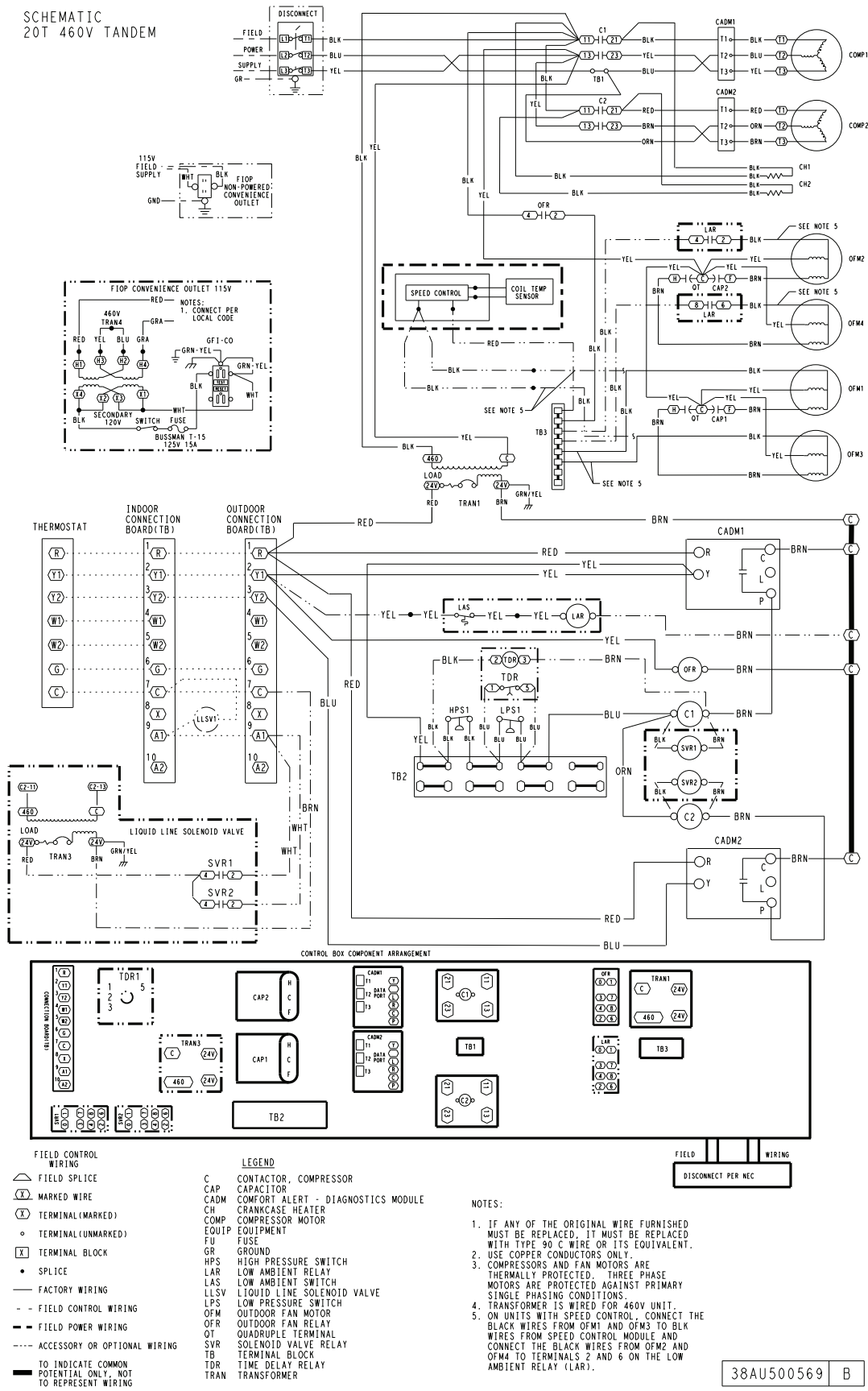


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# Typical piping and wiring (cont)

## Typical Single Circuit/Two Stage Wiring Diagram, 20 Ton (460-3-60 Unit Shown)

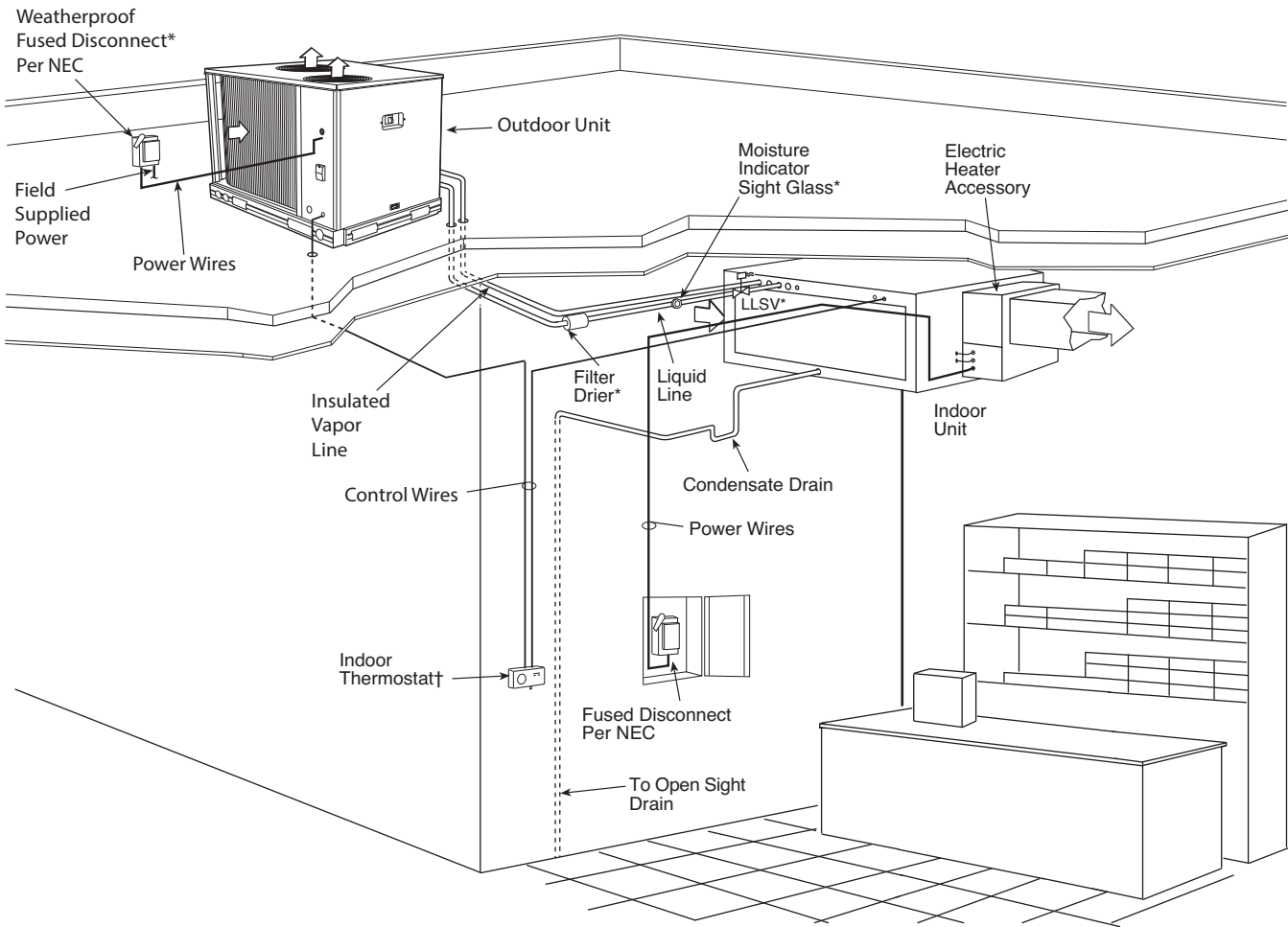
SCHEMATIC  
20T 460V TANDEM



38AU500569 B

# Typical piping and wiring (cont)

## Roof Installation and Ceiling-Mounted Fan Coil



**LEGEND**

- LLSV** — Liquid Line Solenoid Valve
- NEC** — National Electrical Code
- TXV** — Thermostatic Expansion Valve

\* Field-supplied.

† Double riser may be required. Consult condensing unit product data catalog for details.

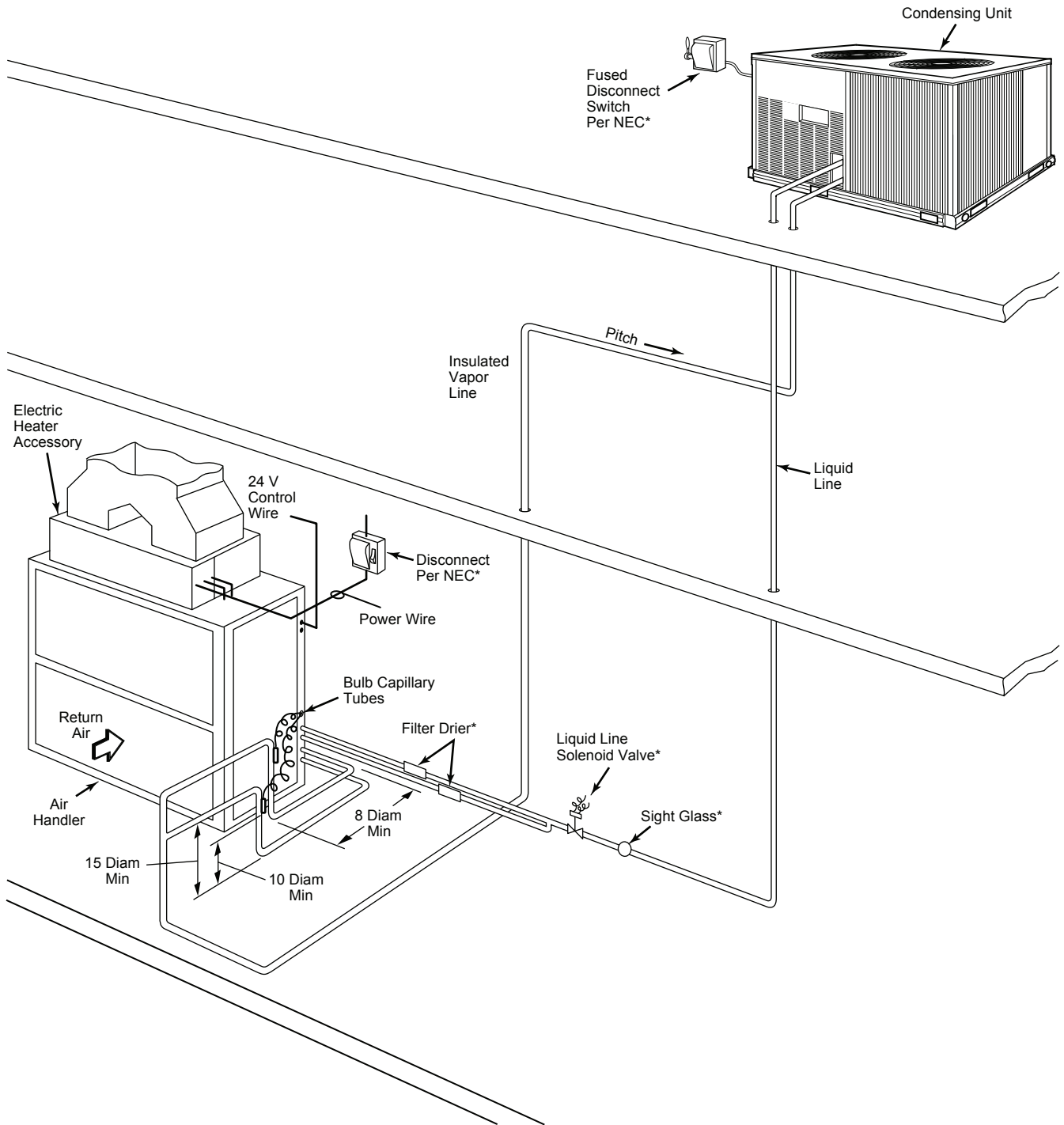
**NOTE(S):**

1. All piping must follow standard refrigerant piping techniques. Refer to Bryant system Design Manual for details.
2. All wiring must comply with the applicable local and national codes.
3. Wiring and piping shown are general points-of-connection guides only and are not intended for, or to include all details for, a specific installation.
4. Liquid line solenoid valve (solenoid drop control) is recommended to prevent refrigerant migration to the compressor.
5. Internal factory-supplied TXVs not shown.



# Typical piping and wiring (cont)

## Roof Installation and a Vertical Discharge Fan Coil



### LEGEND

- DIAM** — Diameter
- NEC** — National Electrical Code
- TXV** — Thermostatic Expansion Valve
- Piping

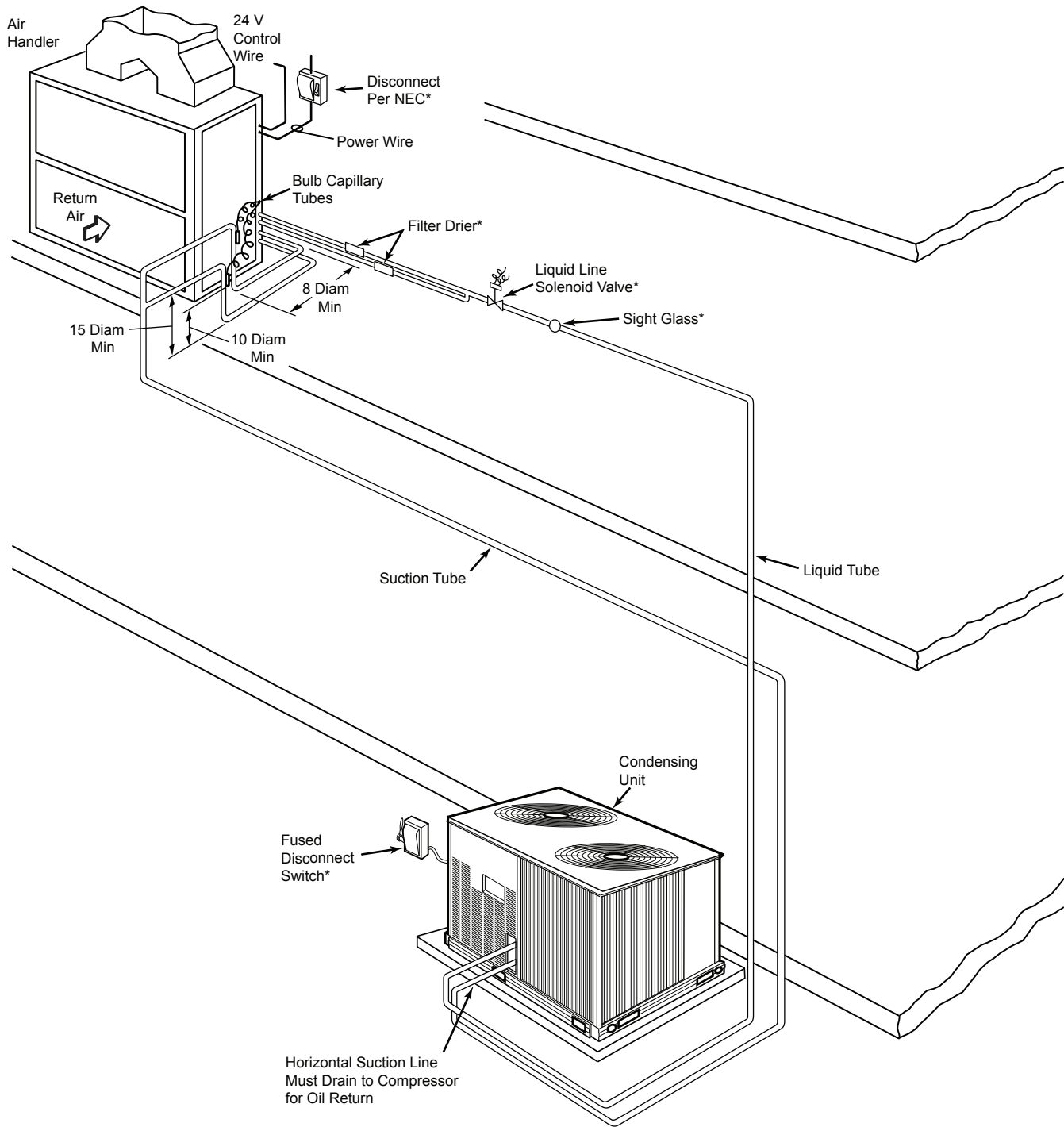
\*Field supplied.

### NOTE(S):


1. All piping must follow standard refrigerant piping techniques. Refer to System Design Manual for details.
2. All wiring must comply with applicable local and national codes.
3. Wiring and piping shown are general points-of-connection guides only and are not intended for, or to include all details for, a specific installation.
4. Liquid line solenoid valve (solenoid drop control) is recommended to prevent refrigerant migration to the compressor on line links above 75 feet (23 meters).
5. Internal factory-supplied TXVs and check valves not shown.

# Typical piping and wiring (cont)

## Ground Installation and Vertical Discharge Fan Coil



### LEGEND

- DIAM** — Diameter
- NEC** — National Electrical Code
- TXV** — Thermostatic Expansion Valve
-  Piping

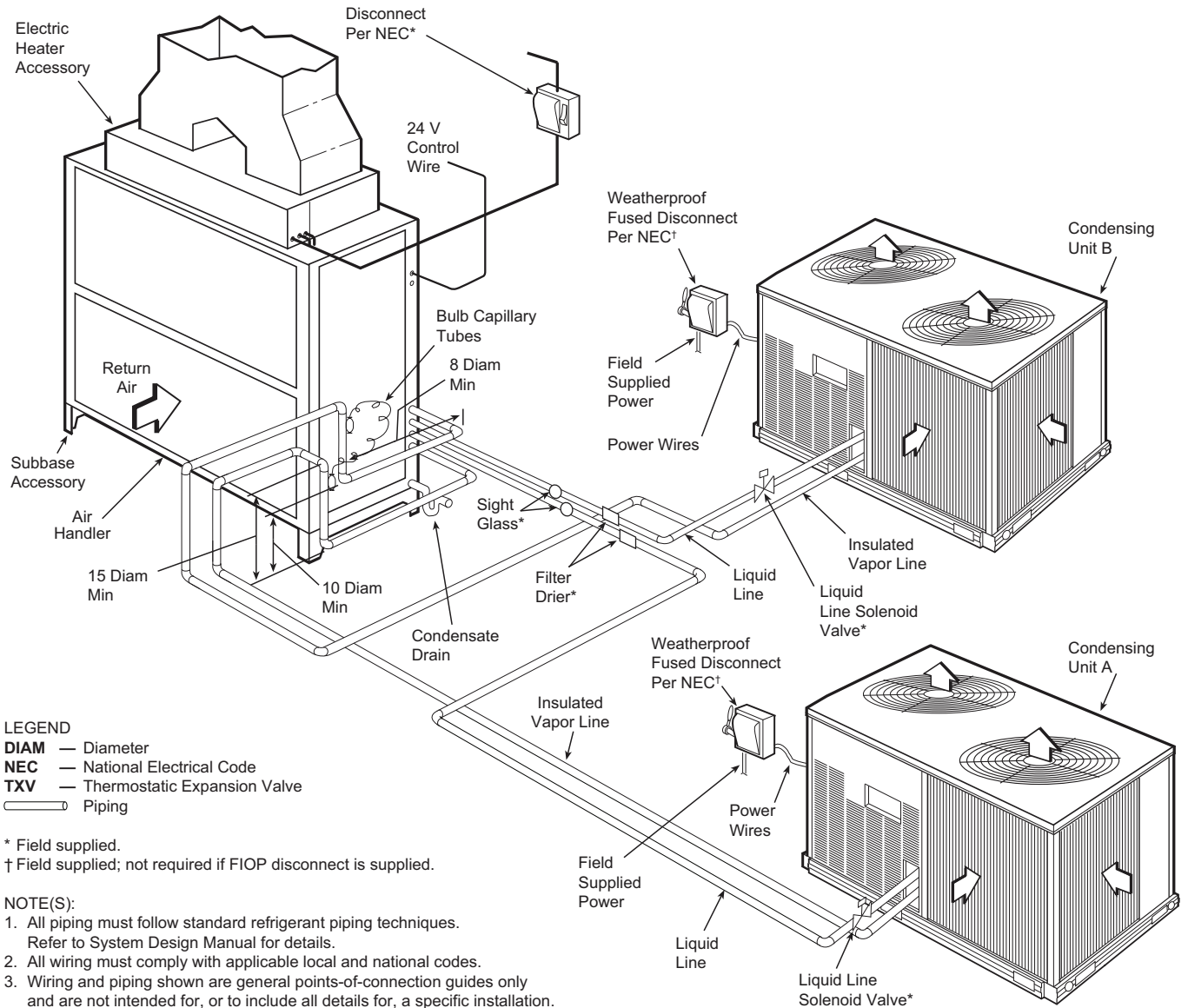
\*Field supplied.


### NOTE(S):

1. All piping must follow standard refrigerant piping techniques. Refer to System Design Manual for details.
2. All wiring must comply with applicable local and national codes.
3. Wiring and piping shown are general points-of-connection guides only and are not intended for, or to include all details for, a specific installation.
4. Liquid line solenoid valve (solenoid drop control) is recommended to prevent refrigerant migration to the compressor on line links above 75 feet (23 meters).
5. Internal factory-supplied TXVs and check valves not shown.

# Typical piping and wiring (cont)

## Dual Condensing Units and a Dual Circuit Fan Coil



**LEGEND**  
**DIAM** — Diameter  
**NEC** — National Electrical Code  
**TXV** — Thermostatic Expansion Valve  
 Piping

\* Field supplied.  
 † Field supplied; not required if FIOP disconnect is supplied.

- NOTE(S):**
1. All piping must follow standard refrigerant piping techniques. Refer to System Design Manual for details.
  2. All wiring must comply with applicable local and national codes.
  3. Wiring and piping shown are general points-of-connection guides only and are not intended for, or to include all details for, a specific installation.
  4. Liquid line solenoid valve (solenoid drop control) is recommended to prevent refrigerant migration to the compressor on line links above 75 feet (23 meters).
  5. Condensing Unit A should be the first on, last off and be connected to the lower half of the coil.
  6. Internal factory-supplied TXVs and check valves not shown.

# Performance data

## 569J\*07G Total Unit — Condenser Only Ratings — 60 Hz

SST (°F)		569J*07G TOTAL UNIT					
		Air Temperature Entering Condenser (°F)					
		85	95	100	105	115	125
20	TC	45.9	42.9	41.3	39.7	36.3	32.6
	kW	4.1	4.7	5.1	5.4	6.3	7.3
	SDT	103.5	113.2	118.1	123.0	132.9	142.7
25	TC	50.7	47.5	45.8	44.1	40.5	36.6
	kW	4.2	4.8	5.1	5.5	6.3	7.3
	SDT	104.9	114.6	119.5	124.3	134.2	143.9
30	TC	56.0	52.5	50.7	48.9	45.0	40.9
	kW	4.2	4.8	5.2	5.5	6.4	7.3
	SDT	106.4	116.0	120.9	125.7	135.4	145.0
35	TC	61.6	57.9	56.0	54.0	49.9	45.5
	kW	4.3	4.9	5.2	5.6	6.4	7.4
	SDT	108.1	117.6	122.4	127.1	136.7	146.2
40	TC	67.7	63.7	61.6	59.5	55.1	50.5
	kW	4.3	4.9	5.3	5.6	6.5	7.4
	SDT	109.7	119.1	123.9	128.6	138.0	147.3
45	TC	74.3	69.9	67.7	65.4	60.7	55.8
	kW	4.4	5.0	5.3	5.7	6.5	7.4
	SDT	111.5	120.8	125.5	130.2	139.4	148.5
50	TC	81.3	76.6	74.2	71.8	66.8	61.6
	kW	4.5	5.1	5.4	5.8	6.6	7.5
	SDT	113.4	122.6	127.2	131.8	140.8	149.7

## 569J\*08G Total Unit — Condenser Only Ratings — 60 Hz

SST (°F)		569J*08G TOTAL UNIT					
		Air Temperature Entering Condenser (°F)					
		85	95	100	105	115	125
20	TC	60.3	56.3	54.2	52.1	47.7	43.2
	kW	5.4	6.0	6.4	6.8	7.6	8.5
	SDT	99.4	108.5	113.0	117.5	126.4	135.2
25	TC	67.0	62.6	60.3	57.9	53.1	48.1
	kW	5.5	6.1	6.5	6.9	7.7	8.6
	SDT	100.8	109.8	114.2	118.7	127.5	136.2
30	TC	74.2	69.3	66.8	64.2	58.9	53.4
	kW	5.6	6.2	6.6	7.0	7.8	8.7
	SDT	102.3	111.2	115.6	120.0	128.7	137.3
35	TC	81.8	76.5	73.7	70.9	65.1	59.0
	kW	5.7	6.3	6.7	7.1	7.9	8.8
	SDT	103.9	112.7	117.0	121.4	130.0	138.4
40	TC	90.0	84.1	81.1	78.0	71.7	65.0
	kW	5.8	6.5	6.8	7.2	8.0	9.0
	SDT	105.6	114.2	118.5	122.8	131.3	139.6
45	TC	98.6	92.2	88.9	85.6	78.6	71.3
	kW	5.9	6.6	7.0	7.3	8.2	9.1
	SDT	107.4	115.9	120.1	124.3	132.7	140.8
50	TC	107.8	100.8	97.2	93.5	86.0	78.1
	kW	6.1	6.7	7.1	7.5	8.3	9.2
	SDT	109.2	117.6	121.8	125.9	134.1	142.1

### LEGEND

kW	—	Compressor Motor Power Input
SDT	—	Saturated Discharge Temperature (°F)
SST	—	Saturated Suction Temperature
TC	—	Total Capacity (1000 Btuh) gross

# Performance data (cont)

## 569J\*12M Total Unit — Condenser Only Ratings — 60 Hz

SST (°F)		569J*12M TOTAL UNIT					
		Air Temperature Entering Condenser (°F)					
		85	95	100	105	115	125
20	TC	75.6	69.3	66.1	63.0	57.1	52.0
	kW	7.2	8.0	8.4	8.9	10.0	11.1
	SDT	106.0	114.6	118.8	123.0	131.6	140.1
25	TC	84.0	77.3	73.9	70.5	64.1	58.3
	kW	7.3	8.1	8.6	9.0	10.1	11.2
	SDT	108.0	116.4	120.6	124.8	133.2	141.6
30	TC	92.8	85.8	82.1	78.5	71.4	65.0
	kW	7.5	8.3	8.7	9.2	10.2	11.3
	SDT	110.0	118.4	122.5	126.6	134.9	143.0
35	TC	102.2	94.7	90.8	86.9	79.2	72.0
	kW	7.7	8.5	8.9	9.4	10.4	11.5
	SDT	112.1	120.4	124.5	128.5	136.6	144.5
40	TC	112.1	104.0	99.8	95.6	87.3	79.3
	kW	7.9	8.7	9.1	9.5	10.5	11.6
	SDT	114.3	122.4	126.4	130.4	138.3	146.0
45	TC	122.5	113.8	109.3	104.8	95.8	87.0
	kW	8.1	8.9	9.3	9.8	10.7	11.8
	SDT	116.6	124.6	128.5	132.4	140.1	147.6
50	TC	133.4	124.0	119.2	114.3	104.5	94.9
	kW	8.3	9.1	9.5	10.0	10.9	11.9
	SDT	118.9	126.7	130.6	134.4	141.8	149.1

## 569J\*12T Total Unit — Condenser Only Ratings — 60 Hz

SST (°F)		569J*12T TOTAL UNIT					
		Air Temperature Entering Condenser (°F)					
		85	95	100	105	115	125
20	TC	76.8	71.7	69.1	66.4	60.9	55.2
	kW	6.9	7.7	8.2	8.7	9.8	11.0
	SDT	100.8	109.8	114.3	118.8	127.5	136.3
25	TC	84.9	79.5	76.7	73.8	67.8	61.6
	kW	7.0	7.9	8.4	8.9	9.9	11.1
	SDT	102.5	111.4	115.8	120.2	129.0	137.5
30	TC	93.7	87.8	84.7	81.6	75.2	68.5
	kW	7.2	8.0	8.5	9.0	10.1	11.3
	SDT	104.2	113.0	117.4	121.8	130.4	138.9
35	TC	103.0	96.6	93.2	89.8	82.8	75.5
	kW	7.3	8.2	8.7	9.2	10.3	11.4
	SDT	106.1	114.8	119.1	123.3	131.8	140.1
40	TC	113.0	105.9	102.3	98.6	90.9	83.0
	kW	7.5	8.4	8.9	9.4	10.4	11.6
	SDT	108.1	116.6	120.9	125.1	133.4	141.5
45	TC	123.5	115.7	111.8	107.8	99.6	90.9
	kW	7.7	8.6	9.0	9.6	10.6	11.8
	SDT	110.2	118.6	122.8	126.9	135.2	143.1
50	TC	134.5	126.0	121.7	117.4	108.1	98.7
	kW	7.9	8.8	9.2	9.8	10.8	12.0
	SDT	112.4	120.6	124.7	128.8	136.7	144.5

### LEGEND

<b>kW</b>	—	Compressor Motor Power Input
<b>SDT</b>	—	Saturated Discharge Temperature (°F)
<b>SST</b>	—	Saturated Suction Temperature
<b>TC</b>	—	Total Capacity (1000 Btuh) gross

# Performance data (cont)

## 569J\*14M Total Unit — Condenser Only Ratings — 60 Hz

SST (°F)		569J*14M TOTAL UNIT					
		Air Temperature Entering Condenser (°F)					
		85	95	100	105	115	125
20	TC	88.6	81.9	78.4	74.8	67.3	59.4
	kW	8.3	9.4	10.0	10.6	11.9	13.3
	SDT	103.8	112.6	116.9	121.2	129.6	137.7
25	TC	98.7	91.6	87.9	84.1	76.2	67.8
	kW	8.4	9.6	10.2	10.8	12.2	13.6
	SDT	105.8	114.5	118.8	123.0	131.3	139.4
30	TC	109.4	101.9	98.0	93.9	85.5	76.6
	kW	8.6	9.8	10.4	11.1	12.4	13.8
	SDT	107.9	116.5	120.8	124.9	133.1	141.0
35	TC	120.8	112.8	108.6	104.3	95.3	85.9
	kW	8.8	10.0	10.6	11.3	12.7	14.1
	SDT	110.2	118.7	122.8	126.9	135.0	142.7
40	TC	132.9	124.3	119.8	115.2	105.6	95.5
	kW	9.1	10.3	10.9	11.5	12.9	14.3
	SDT	112.5	120.9	125.0	129.1	136.9	144.5
45	TC	145.6	136.4	131.6	126.6	116.4	105.6
	kW	9.4	10.5	11.2	11.8	13.2	14.6
	SDT	115.0	123.2	127.3	131.2	138.9	146.3
50	TC	158.9	149.0	143.8	138.5	127.5	116.0
	kW	9.7	10.8	11.5	12.1	13.5	14.9
	SDT	117.6	125.6	129.6	133.5	141.0	148.1

## 569J\*14T Total Unit — Condenser Only Ratings — 60 Hz

SST (°F)		569J*14T TOTAL UNIT					
		Air Temperature Entering Condenser (°F)					
		85	95	100	105	115	125
20	TC	88.2	82.0	78.7	75.1	68.0	60.4
	kW	8.4	9.6	10.2	10.9	12.3	13.9
	SDT	101.5	110.5	115.0	119.4	128.1	136.6
25	TC	98.0	91.2	87.7	84.0	76.5	68.4
	kW	8.5	9.7	10.3	11.0	12.5	14.1
	SDT	103.2	112.1	116.5	120.9	129.5	137.9
30	TC	108.3	101.1	97.3	93.5	85.4	76.8
	kW	8.7	9.8	10.5	11.2	12.6	14.2
	SDT	104.9	113.8	118.2	122.5	131.0	139.3
35	TC	119.4	111.6	107.5	103.4	94.9	85.9
	kW	8.8	10.0	10.6	11.3	12.8	14.4
	SDT	106.8	115.5	119.9	124.2	132.6	140.8
40	TC	131.1	122.8	118.4	114.0	105.0	95.1
	kW	9.0	10.2	10.8	11.5	13.0	14.5
	SDT	108.7	117.4	121.7	125.9	134.2	142.2
45	TC	143.6	134.6	129.8	125.1	115.4	104.7
	kW	9.2	10.4	11.0	11.7	13.1	14.7
	SDT	110.8	119.3	123.5	127.7	135.9	143.7
50	TC	156.5	146.8	141.8	136.6	126.1	114.8
	kW	9.4	10.6	11.2	11.9	13.3	14.9
	SDT	112.9	121.3	125.5	129.5	137.6	145.2

### LEGEND

<b>kW</b>	—	Compressor Motor Power Input
<b>SDT</b>	—	Saturated Discharge Temperature (°F)
<b>SST</b>	—	Saturated Suction Temperature
<b>TC</b>	—	Total Capacity (1000 Btuh) gross

# Performance data (cont)

## 569J\*16A Total Unit — Condenser Only Ratings — 60 Hz

569J*16A TOTAL UNIT							
SST (°F)		Air Temperature Entering Condenser (°F)					
		80	85	95	105	115	125
20	TC	125.5	121.8	114.2	106.6	99.7	79.7
	kW	10.5	11.2	12.6	14.2	16.0	17.5
	SDT	98.6	103.4	113.0	122.7	134.9	136.0
25	TC	138.7	134.7	126.5	118.1	109.3	98.5
	kW	10.7	11.4	12.8	14.3	16.0	17.9
	SDT	100.0	104.7	114.2	123.6	132.9	140.5
30	TC	152.9	148.6	139.8	130.7	120.9	104.9
	kW	10.9	11.6	13.0	14.6	16.2	17.8
	SDT	101.4	106.2	115.5	125.0	133.6	139.4
35	TC	168.2	163.5	154.1	144.2	133.6	121.2
	kW	11.2	11.8	13.2	14.8	16.5	18.1
	SDT	102.9	107.5	117.0	126.2	134.8	142.1
40	TC	184.9	179.4	169.3	158.7	147.6	135.1
	kW	11.5	12.0	13.5	15.1	16.8	18.5
	SDT	105.2	108.9	118.5	127.7	136.7	144.5
45	TC	202.1	196.7	185.7	174.3	162.5	150.4
	kW	11.7	12.4	13.9	15.6	17.5	19.6
	SDT	106.4	111.2	120.9	130.7	140.4	150.2
50	TC	220.6	214.7	202.1	190.0	174.6	159.6
	kW	11.9	12.6	13.9	15.4	16.9	18.5
	SDT	107.2	111.7	120.4	129.4	136.9	144.9

## 569J\*16T Total Unit — Condenser Only Ratings — 60 Hz

569J*16T TOTAL UNIT							
SST (°F)		Air Temperature Entering Condenser (°F)					
		85	95	100	105	115	125
20	TC	126.1	118.2	114.1	110.0	101.6	93.1
	kW	11.2	12.5	13.3	14.1	15.8	17.7
	SDT	102.2	111.3	115.9	120.4	129.4	138.3
25	TC	138.7	130.1	125.7	121.3	112.1	102.8
	kW	11.4	12.8	13.5	14.3	16.0	18.0
	SDT	103.9	113.0	117.5	122.0	130.9	139.6
30	TC	152.3	143.0	138.2	133.3	123.4	113.2
	kW	11.7	13.1	13.8	14.6	16.3	18.3
	SDT	105.7	114.7	119.2	123.6	132.4	141.0
35	TC	166.9	156.7	151.5	146.2	135.3	124.3
	kW	12.0	13.4	14.1	14.9	16.7	18.6
	SDT	107.6	116.5	120.9	125.3	134.0	142.5
40	TC	182.4	171.3	165.6	159.9	148.1	136.0
	kW	12.3	13.7	14.5	15.3	17.0	18.9
	SDT	109.7	118.5	122.8	127.2	135.7	144.1
45	TC	199.0	186.9	180.7	174.4	161.6	148.4
	kW	12.7	14.1	14.8	15.6	17.4	19.3
	SDT	111.8	120.5	124.8	129.1	137.5	145.7
50	TC	216.6	203.3	196.6	189.7	175.7	161.3
	kW	13.1	14.5	15.2	16.1	17.8	19.7
	SDT	114.1	122.7	126.9	131.2	139.4	147.3

### LEGEND

<b>kW</b>	—	Compressor Motor Power Input
<b>SDT</b>	—	Saturated Discharge Temperature (°F)
<b>SST</b>	—	Saturated Suction Temperature
<b>TC</b>	—	Total Capacity (1000 Btuh) gross



# Performance data (cont)

## 569J\*25A Total Unit — Condenser Only Ratings — 60 Hz

SST (°F)		569J*25A TOTAL UNIT					
		Air Temperature Entering Condenser (°F)					
		80	85	95	105	115	125
20	TC	159.2	154.5	144.5	133.9	122.5	110.2
	kW	13.0	13.7	15.3	17.1	19.2	21.5
	SDT	97.3	101.8	110.6	119.3	127.9	136.5
25	TC	176.1	171.0	160.2	148.8	136.5	123.2
	kW	13.2	14.0	15.6	17.4	19.5	21.8
	SDT	98.9	103.3	112.0	120.7	129.2	137.6
30	TC	194.2	188.6	176.9	164.5	151.3	136.9
	kW	13.5	14.3	15.9	17.7	19.7	22.0
	SDT	100.6	104.9	113.6	122.1	130.5	138.8
35	TC	213.5	207.4	194.7	181.2	166.8	151.2
	kW	13.8	14.6	16.2	18.0	20.0	22.3
	SDT	102.4	106.7	115.2	123.6	131.9	140.1
40	TC	234.1	227.4	213.5	198.8	183.1	166.1
	kW	14.2	14.9	16.5	18.3	20.3	22.6
	SDT	104.3	108.5	116.9	125.2	133.3	141.4
45	TC	255.9	248.6	233.3	217.3	200.1	181.7
	kW	14.6	15.3	16.9	18.7	20.7	22.9
	SDT	106.3	110.5	118.7	126.8	134.9	142.7
50	TC	279.0	270.9	254.2	236.7	218.1	197.8
	kW	15.1	15.8	17.3	19.1	21.1	23.2
	SDT	108.5	112.5	120.6	128.6	136.5	144.1

## 569J\*25T Total Unit — Condenser Only Ratings — 60 Hz

SST (°F)		569J*25T TOTAL UNIT					
		Air Temperature Entering Condenser (°F)					
		85	95	100	105	115	125
20	TC	161.4	150.4	144.6	138.7	127.0	115.4
	kW	13.6	15.2	16.0	16.9	18.9	21.1
	SDT	100.8	109.7	114.1	118.4	127.2	135.9
25	TC	178.1	166.4	160.2	153.9	141.1	128.4
	kW	13.9	15.5	16.3	17.2	19.1	21.3
	SDT	102.5	111.3	115.6	119.9	128.5	137.1
30	TC	195.8	183.2	176.5	169.7	155.8	141.9
	kW	14.2	15.8	16.6	17.5	19.4	21.6
	SDT	104.2	112.8	117.2	121.5	130.0	138.4
35	TC	214.5	200.8	193.6	186.3	171.2	155.9
	kW	14.6	16.1	16.9	17.8	19.7	21.9
	SDT	106.1	114.6	118.9	123.1	131.5	139.7
40	TC	233.9	219.3	211.5	203.5	187.1	170.3
	kW	14.9	16.5	17.3	18.2	20.1	22.2
	SDT	108.0	116.5	120.7	124.8	133.1	141.1
45	TC	254.5	238.5	230.0	221.3	203.4	184.9
	kW	15.4	16.9	17.7	18.6	20.5	22.5
	SDT	110.1	118.4	122.6	126.6	134.7	142.6
50	TC	275.8	258.3	249.0	239.5	219.8	199.4
	kW	15.8	17.3	18.2	19.0	20.9	22.9
	SDT	112.3	120.5	124.5	128.5	136.4	144.0

### LEGEND

kW	—	Compressor Motor Power Input
SDT	—	Saturated Discharge Temperature (°F)
SST	—	Saturated Suction Temperature
TC	—	Total Capacity (1000 Btuh) gross

# Performance data (cont)

## 569J\*28T Total Unit — Condenser Only Ratings — 60 Hz

SST (°F)		569J*28T TOTAL UNIT					
		Air Temperature Entering Condenser (°F)					
		85	95	100	105	115	125
20	TC	193.2	180.1	173.1	165.9	150.5	134.0
	kW	17.6	19.5	20.5	21.6	24.0	26.6
	SDT	104.0	112.6	116.9	121.2	129.6	137.7
25	TC	212.9	198.9	191.5	183.8	167.6	150.3
	kW	18.0	19.9	21.0	22.1	24.5	27.1
	SDT	106.0	114.5	118.8	123.0	131.3	139.3
30	TC	233.6	218.6	210.7	202.5	185.3	166.9
	kW	18.5	20.4	21.5	22.6	25.0	27.6
	SDT	108.1	116.5	120.7	124.9	133.0	140.9
35	TC	255.4	239.1	230.6	221.8	203.3	183.7
	kW	19.0	21.0	22.1	23.2	25.6	28.2
	SDT	110.3	118.6	122.7	126.8	134.8	142.6
40	TC	278.0	260.3	251.1	241.5	221.7	200.6
	kW	19.6	21.6	22.6	23.8	26.2	28.8
	SDT	112.7	120.8	124.9	128.8	136.7	144.2
45	TC	301.4	282.0	271.9	261.6	240.0	217.2
	kW	20.2	22.2	23.3	24.4	26.8	29.4
	SDT	115.1	123.1	127.0	130.9	138.6	145.9
50	TC	325.3	304.0	292.9	281.6	258.1	233.3
	kW	20.9	22.9	23.9	25.1	27.4	30.0
	SDT	117.7	125.4	129.3	133.1	140.5	147.6

### LEGEND

<b>kW</b>	—	Compressor Motor Power Input
<b>SDT</b>	—	Saturated Discharge Temperature (°F)
<b>SST</b>	—	Saturated Suction Temperature
<b>TC</b>	—	Total Capacity (1000 Btuh) gross

# Performance data (cont)

569J\*07G/524F\*07A Stage 2 Combination Ratings — 60 Hz

569J*07G/524F*07A				AMBIENT TEMPERATURE (°F)															
				85			95			105			115			125			
				EA (db)			EA (db)			EA (db)			EA (db)			EA (db)			
				75	80	85	75	80	85	75	80	85	75	80	85	75	80	85	
1800 cfm	EA (wb)	58	THC	61.4	61.4	67.0	58.8	58.8	66.4	57.3	57.3	61.7	54.2	54.2	61.2	51.5	51.5	58.3	
			SHC	52.1	59.5	67.0	51.1	58.8	66.4	48.1	54.9	61.7	47.1	54.2	61.2	44.8	51.5	58.3	
		62	THC	64.9	64.9	64.9	62.3	62.3	62.3	59.4	59.4	60.4	56.3	56.3	58.9	52.9	52.9	57.1	
			SHC	46.8	54.9	62.9	45.5	53.6	61.7	44.2	52.3	60.4	42.8	50.8	58.9	41.1	49.1	57.1	
		67	THC	70.7	70.7	70.7	67.8	67.8	67.8	64.7	64.7	64.7	61.4	61.4	61.4	57.8	57.8	57.8	
			SHC	38.4	46.4	54.3	37.2	45.2	53.2	35.9	43.9	51.9	34.6	42.6	50.7	33.1	41.1	49.2	
	72	THC	77.3	77.3	77.3	74.3	74.3	74.3	70.9	70.9	70.9	67.1	67.1	67.1	63.2	63.2	63.2		
		SHC	30.5	38.0	45.5	29.2	36.9	44.6	27.9	35.6	43.4	26.4	34.3	42.2	25.0	32.9	40.9		
	76	THC	—	83.3	83.3	—	79.6	79.6	—	76.1	76.1	—	72.2	72.2	—	67.9	67.9		
		SHC	—	31.0	40.9	—	29.9	39.8	—	28.5	38.4	—	27.5	37.4	—	26.2	33.7		
	2100 cfm	EA (wb)	58	THC	65.3	65.3	68.4	61.8	61.8	69.8	59.3	59.3	67.0	56.7	56.7	64.1	53.8	53.8	60.9
				SHC	53.8	61.1	68.4	53.7	61.8	69.8	51.6	59.3	67.0	49.3	56.7	64.1	46.8	53.8	60.9
62			THC	66.8	66.8	68.4	64.0	64.0	67.0	61.0	61.0	65.5	57.8	57.8	63.7	54.5	54.5	61.6	
			SHC	50.0	59.2	68.4	48.6	57.8	67.0	47.2	56.3	65.5	45.6	54.7	63.7	43.8	52.7	61.6	
67			THC	72.5	72.5	72.5	69.6	69.6	69.6	66.4	66.4	66.4	63.0	63.0	63.0	59.2	59.2	59.2	
			SHC	40.4	49.5	58.6	39.2	48.3	57.5	37.9	47.1	56.3	36.5	45.7	54.9	35.0	44.3	53.5	
72		THC	79.3	79.3	79.3	75.9	75.9	75.9	72.4	72.4	72.4	68.7	68.7	68.7	64.6	64.6	64.6		
		SHC	31.1	39.9	48.7	29.9	38.8	47.7	28.5	37.5	46.6	27.1	36.2	45.3	25.6	34.8	43.9		
76		THC	—	85.3	85.3	—	81.7	81.7	—	77.7	77.7	—	73.7	73.7	—	69.1	69.1		
		SHC	—	31.8	43.4	—	30.9	42.5	—	29.7	37.7	—	28.5	37.1	—	27.1	36.1		
2400 cfm		EA (wb)	58	THC	66.4	66.4	75.1	64.1	64.1	72.4	61.5	61.5	69.5	58.8	58.8	66.4	55.8	55.8	63.1
				SHC	57.8	66.4	75.1	55.7	64.1	72.4	53.5	61.5	69.5	51.1	58.8	66.4	48.6	55.8	63.1
	62		THC	68.3	68.3	73.3	65.4	65.4	71.8	62.4	62.4	69.9	59.1	59.1	67.5	56.3	56.3	64.1	
			SHC	52.8	63.1	73.3	51.4	61.6	71.8	49.8	59.9	69.9	47.8	57.6	67.5	45.4	54.7	64.1	
	67		THC	74.1	74.1	74.1	71.0	71.0	71.0	67.7	67.7	67.7	64.1	64.1	64.1	60.2	60.2	60.2	
			SHC	42.3	52.5	62.7	41.0	51.3	61.5	39.8	50.0	60.3	38.3	48.5	58.8	36.9	47.2	57.5	
	72	THC	80.8	80.8	80.8	77.3	77.3	77.3	73.8	73.8	73.8	69.9	69.9	69.9	65.7	65.7	65.7		
		SHC	31.7	41.8	51.8	30.5	40.6	50.7	29.1	39.3	49.5	27.7	37.9	48.1	26.2	36.5	46.7		
	76	THC	—	86.7	86.7	—	83.0	83.0	—	79.0	79.0	—	74.7	74.7	—	70.1	70.1		
		SHC	—	33.0	41.4	—	31.9	41.2	—	30.6	40.3	—	29.3	39.3	—	27.9	38.1		
	2700 cfm	EA (wb)	58	THC	68.5	68.5	77.4	66.0	66.0	74.6	63.3	63.3	71.6	60.5	60.5	68.4	57.5	57.5	65.0
				SHC	59.6	68.5	77.4	57.4	66.0	74.6	55.1	63.3	71.6	52.7	60.5	68.4	50.0	57.5	65.0
62			THC	69.6	69.6	77.6	66.8	66.8	75.6	63.6	63.6	73.6	60.6	60.6	71.0	57.8	57.8	66.3	
			SHC	55.4	66.5	77.6	53.7	64.6	75.6	52.0	62.8	73.6	50.0	60.5	71.0	47.0	56.6	66.3	
67			THC	75.3	75.3	75.3	72.1	72.1	72.1	68.8	68.8	68.8	65.1	65.1	65.1	61.1	61.1	61.3	
			SHC	44.0	55.3	66.6	42.8	54.1	65.5	41.5	52.9	64.2	40.1	51.5	62.8	38.6	49.9	61.3	
72		THC	82.2	82.2	82.2	78.6	78.6	78.6	74.8	74.8	74.8	70.8	70.8	70.8	66.5	66.5	66.5		
		SHC	32.3	43.5	54.6	31.0	42.2	53.5	29.7	41.0	52.2	28.3	39.6	50.9	26.8	38.1	49.4		
76		THC	—	88.1	88.1	—	84.1	84.1	—	80.0	80.0	—	75.6	75.6	—	70.9	70.9		
		SHC	—	33.9	44.3	—	32.6	43.4	—	31.4	42.4	—	30.0	41.2	—	28.6	39.9		
3000 cfm		EA (wb)	58	THC	70.3	70.3	79.4	67.8	67.8	76.6	65.0	65.0	73.4	62.1	62.1	70.2	58.9	58.9	66.6
				SHC	61.2	70.3	79.4	59.0	67.8	76.6	56.5	65.0	73.4	54.0	62.1	70.2	51.3	58.9	66.6
	62		THC	70.9	70.9	80.6	67.8	67.8	79.6	65.0	65.0	76.3	62.2	62.2	72.4	59.6	59.6	66.0	
			SHC	57.3	69.0	80.6	56.1	67.8	79.6	53.7	65.0	76.3	51.1	61.7	72.4	47.2	56.6	66.0	
	67		THC	76.4	76.4	76.4	73.1	73.1	73.1	69.6	69.6	69.6	65.9	65.9	66.5	61.8	61.8	64.8	
			SHC	45.7	58.1	70.4	44.5	56.9	69.2	43.2	55.6	68.0	41.8	54.1	66.5	40.2	52.5	64.8	
	72	THC	83.1	83.1	83.1	79.5	79.5	79.5	75.7	75.7	75.7	71.6	71.6	71.6	67.2	67.2	67.2		
		SHC	32.8	45.0	57.3	31.5	43.8	56.1	30.2	42.5	54.8	28.8	41.1	53.4	27.3	39.6	51.9		
	76	THC	—	88.9	88.9	—	85.0	85.0	—	80.8	80.8	—	76.4	76.4	—	71.5	71.5		
		SHC	—	34.5	46.2	—	33.3	45.3	—	32.0	44.2	—	30.7	43.0	—	29.2	41.6		

LEGEND

- db — dry bulb
- EA — Entering Air (°F)
- SHC — Sensible Heat Capacity (1000 Btuh) gross
- THC — Total Capacity (1000 Btuh) gross
- wb — wet bulb

# Performance data (cont)

569J\*07G/524F\*07A Stage 1 Combination Ratings — 60 Hz

569J*07G/524F*07A			AMBIENT TEMPERATURE (°F)																
			85			95			105			115			125				
			EA (db)			EA (db)			EA (db)			EA (db)			EA (db)				
			75	80	85	75	80	85	75	80	85	75	80	85	75	80	85		
1500 cfm	EA (wb)	58	THC	47.0	47.0	53.1	45.4	45.4	51.3	43.5	43.5	49.2	41.4	41.4	46.7	39.0	39.0	44.0	
			SHC	41.0	47.0	53.1	39.5	45.4	51.3	37.9	43.5	49.2	36.0	41.4	46.7	33.9	39.0	44.0	
		62	THC	49.4	49.4	50.7	47.3	47.3	49.6	44.9	44.9	48.4	42.2	42.2	47.0	39.4	39.4	45.0	
			SHC	37.1	43.9	50.7	36.1	42.8	49.6	34.9	41.7	48.4	33.6	40.3	47.0	31.9	38.5	45.0	
		67	THC	54.4	54.4	54.4	52.1	52.1	52.1	49.4	49.4	49.4	46.5	46.5	46.5	43.2	43.2	43.2	
			SHC	30.4	37.0	43.7	29.4	36.1	42.8	28.3	35.1	41.8	27.1	33.9	40.6	25.8	32.6	39.4	
	72	THC	60.0	60.0	60.0	57.4	57.4	57.4	54.4	54.4	54.4	51.2	51.2	51.2	47.7	47.7	47.7		
		SHC	23.9	30.3	36.7	22.8	29.3	35.8	21.7	28.3	34.9	20.5	27.1	33.8	19.2	25.9	32.5		
	76	THC	—	64.9	64.9	—	61.9	61.9	—	58.7	58.7	—	55.3	55.3	—	51.4	51.4		
		SHC	—	24.4	32.6	—	23.6	31.8	—	22.7	30.9	—	21.6	27.7	—	20.4	26.9		
	1800 cfm	EA (wb)	58	THC	49.9	49.9	56.4	48.2	48.2	54.4	46.1	46.1	52.1	43.8	43.8	49.5	41.2	41.2	46.5
				SHC	43.4	49.9	56.4	41.9	48.2	54.4	40.1	46.1	52.1	38.1	43.8	49.5	35.9	41.2	46.5
62			THC	51.2	51.2	56.0	49.0	49.0	54.7	46.6	46.6	53.0	44.2	44.2	50.5	41.4	41.4	47.4	
			SHC	40.2	48.1	56.0	39.1	46.9	54.7	37.7	45.3	53.0	35.8	43.2	50.5	33.6	40.5	47.4	
67			THC	56.2	56.2	56.2	53.7	53.7	53.7	50.9	50.9	50.9	47.8	47.8	47.8	44.4	44.4	44.4	
			SHC	32.4	40.3	48.1	31.4	39.3	47.1	30.3	38.2	46.1	29.1	37.0	44.9	27.8	35.7	43.6	
72		THC	61.7	61.7	61.7	59.0	59.0	59.0	56.0	56.0	56.0	52.5	52.5	52.5	48.8	48.8	48.8		
		SHC	24.6	32.2	39.9	23.5	31.3	39.0	22.4	30.2	38.0	21.2	29.0	36.8	19.9	27.7	35.5		
76		THC	—	66.5	66.5	—	63.5	63.5	—	60.2	60.2	—	56.5	56.5	—	52.5	52.5		
		SHC	—	25.6	31.9	—	24.7	31.7	—	23.7	31.1	—	22.6	30.2	—	21.3	29.1		
2100 cfm		EA (wb)	58	THC	52.2	52.2	59.0	50.3	50.3	56.9	48.2	48.2	54.5	45.7	45.7	51.6	42.9	42.9	48.5
				SHC	45.5	52.2	59.0	43.8	50.3	56.9	42.0	48.2	54.5	39.8	45.7	51.6	37.4	42.9	48.5
	62		THC	52.8	52.8	60.1	50.4	50.4	59.1	48.8	48.8	55.2	46.2	46.2	52.3	43.0	43.0	50.4	
			SHC	42.7	51.4	60.1	41.7	50.4	59.1	39.3	47.3	55.2	37.2	44.7	52.3	35.5	43.0	50.4	
	67		THC	57.5	57.5	57.5	54.9	54.9	54.9	52.0	52.0	52.0	48.8	48.8	48.8	45.3	45.3	47.5	
			SHC	34.2	43.2	52.1	33.2	42.2	51.2	32.1	41.1	50.1	30.9	39.8	48.8	29.5	38.5	47.5	
	72	THC	63.0	63.0	63.0	60.2	60.2	60.2	57.0	57.0	57.0	53.5	53.5	53.5	49.7	49.7	49.7		
		SHC	25.2	34.0	42.8	24.1	33.0	41.9	23.0	31.9	40.8	21.8	30.7	39.6	20.5	29.4	38.3		
	76	THC	—	67.8	67.8	—	64.7	64.7	—	61.3	61.3	—	57.5	57.5	—	53.3	53.3		
		SHC	—	26.5	34.8	—	25.6	34.1	—	24.5	33.2	—	23.4	32.2	—	22.1	31.0		
	2400 cfm	EA (wb)	58	THC	54.2	54.2	61.2	52.2	52.2	58.9	49.9	49.9	56.4	47.3	47.3	53.4	44.4	44.4	50.1
				SHC	47.2	54.2	61.2	45.4	52.2	58.9	43.4	49.9	56.4	41.1	47.3	53.4	38.6	44.4	50.1
62			THC	54.2	54.2	63.6	52.4	52.4	60.6	50.5	50.5	56.5	47.3	47.3	55.5	44.4	44.4	52.0	
			SHC	44.8	54.2	63.6	42.9	51.8	60.6	40.3	48.4	56.5	39.1	47.3	55.5	36.7	44.4	52.0	
67			THC	58.5	58.5	58.5	55.9	55.9	55.9	52.9	52.9	53.9	49.6	49.6	52.6	45.9	45.9	51.0	
			SHC	36.0	46.0	56.0	35.0	45.0	55.1	33.8	43.8	53.9	32.6	42.6	52.6	31.1	41.1	51.0	
72		THC	64.0	64.0	64.0	61.1	61.1	61.1	57.8	57.8	57.8	54.3	54.3	54.3	50.3	50.3	50.3		
		SHC	25.7	35.7	45.6	24.7	34.6	44.6	23.6	33.5	43.5	22.3	32.3	42.3	21.0	31.0	40.9		
76		THC	—	68.8	68.8	—	65.6	65.6	—	62.1	62.1	—	58.2	58.2	—	53.9	53.9		
		SHC	—	27.3	36.8	—	26.3	36.0	—	25.3	35.1	—	24.0	34.0	—	22.7	32.7		
2700 cfm		EA (wb)	58	THC	55.8	55.8	63.0	53.7	53.7	60.6	51.3	51.3	57.9	48.5	48.5	54.8	45.5	45.5	51.3
				SHC	48.5	55.8	63.0	46.7	53.7	60.6	44.6	51.3	57.9	42.2	48.5	54.8	39.6	45.5	51.3
	62		THC	55.8	55.8	65.5	54.3	54.3	61.1	51.3	51.3	60.2	48.6	48.6	57.0	45.5	45.5	53.4	
			SHC	46.2	55.8	65.5	43.5	52.3	61.1	42.4	51.3	60.2	40.2	48.6	57.0	37.6	45.5	53.4	
	67		THC	59.4	59.4	59.7	56.7	56.7	58.6	53.6	53.6	57.6	50.1	50.1	56.0	46.5	46.5	54.2	
			SHC	37.6	48.7	59.7	36.6	47.6	58.6	35.5	46.5	57.6	34.1	45.0	56.0	32.6	43.4	54.2	
	72	THC	64.9	64.9	64.9	61.8	61.8	61.8	58.6	58.6	58.6	54.9	54.9	54.9	50.9	50.9	50.9		
		SHC	26.2	37.2	48.1	25.2	36.1	47.1	24.1	35.0	46.0	22.8	33.8	44.8	21.5	32.4	43.4		
	76	THC	—	69.5	69.5	—	66.3	66.3	—	62.7	62.7	—	58.8	58.8	—	54.3	54.3		
		SHC	—	27.9	38.6	—	27.0	37.8	—	25.8	36.8	—	24.6	35.6	—	23.3	34.3		

LEGEND

- db — dry bulb
- EA — Entering Air (°F)
- SHC — Sensible Heat Capacity (1000 Btuh) gross
- THC — Total Capacity (1000 Btuh) gross
- wb — wet bulb

# Performance data (cont)

569J\*08G/524F\*08A Stage 2 Combination Ratings — 60 Hz

569J*08G/524F*08A				AMBIENT TEMPERATURE (°F)															
				85			95			105			115			125			
				EA (db)			EA (db)			EA (db)			EA (db)			EA (db)			
				75	80	85	75	80	85	75	80	85	75	80	85	75	80	85	
2250 cfm	EA (wb)	58	THC	81.8	81.8	88.9	77.8	77.8	88.1	74.6	74.6	84.5	71.2	71.2	80.7	67.3	67.3	76.3	
			SHC	68.8	78.9	88.9	67.5	77.8	88.1	64.7	74.6	84.5	61.8	71.2	80.7	58.4	67.3	76.3	
		62	THC	86.3	86.3	86.3	82.9	82.9	82.9	78.3	78.3	80.2	74.3	74.3	78.1	69.1	69.1	75.9	
			SHC	61.9	72.9	83.9	60.0	70.8	81.5	58.1	69.2	80.2	56.2	67.2	78.1	54.0	64.9	75.9	
		67	THC	94.9	94.9	94.9	90.6	90.6	90.6	86.0	86.0	86.0	81.1	81.1	81.1	75.9	75.9	75.9	
			SHC	50.7	61.6	72.5	48.9	59.8	70.7	47.0	58.0	69.0	45.0	56.0	67.0	42.9	53.9	64.9	
	72	THC	104.3	104.3	104.3	99.8	99.8	99.8	94.6	94.6	94.6	89.3	89.3	89.3	83.3	83.3	83.3		
		SHC	39.8	50.2	60.6	38.0	48.5	59.1	35.9	46.6	57.3	33.9	44.7	55.5	31.7	42.6	53.4		
	76	THC	—	112.3	112.3	—	107.3	107.3	—	101.8	101.8	—	95.8	95.8	—	89.1	89.1		
		SHC	—	41.2	53.6	—	39.2	51.5	—	37.3	49.6	—	35.4	45.3	—	33.3	43.8		
	2625 cfm	EA (wb)	58	THC	85.6	85.6	96.9	82.4	82.4	93.3	78.9	78.9	89.3	75.1	75.1	85.0	71.0	71.0	80.4
				SHC	74.3	85.6	96.9	71.5	82.4	93.3	68.5	78.9	89.3	65.1	75.1	85.0	61.6	71.0	80.4
62			THC	89.4	89.4	92.4	87.6	87.6	87.6	80.9	80.9	88.3	76.3	76.3	85.8	71.4	71.4	82.4	
			SHC	66.9	79.7	92.4	63.3	74.7	86.1	63.0	75.6	88.3	60.7	73.2	85.8	58.0	70.2	82.4	
67			THC	98.2	98.2	98.2	93.5	93.5	93.5	88.8	88.8	88.8	83.4	83.4	83.4	77.9	77.9	77.9	
			SHC	53.9	66.6	79.2	52.1	64.7	77.4	50.2	62.9	75.6	48.1	60.8	73.5	45.9	58.6	71.3	
72		THC	107.5	107.5	107.5	102.7	102.7	102.7	97.2	97.2	97.2	91.5	91.5	91.5	85.3	85.3	85.3		
		SHC	40.9	53.2	65.5	39.1	51.5	63.9	37.0	49.5	62.0	35.0	47.5	60.0	32.7	45.3	57.8		
76		THC	—	115.6	115.6	—	110.1	110.1	—	104.2	104.2	—	97.5	97.5	—	91.0	91.0		
		SHC	—	42.3	56.8	—	40.6	51.5	—	38.7	50.5	—	36.6	48.8	—	34.5	46.9		
3000 cfm		EA (wb)	58	THC	89.1	89.1	100.8	85.7	85.7	97.0	81.9	81.9	92.7	78.1	78.1	88.4	73.7	73.7	83.4
				SHC	77.3	89.1	100.8	74.4	85.7	97.0	71.1	81.9	92.7	67.8	78.1	88.4	64.0	73.7	83.4
	62		THC	92.9	92.9	96.1	87.3	87.3	97.0	82.9	82.9	94.5	78.0	78.0	91.7	75.0	75.0	83.0	
			SHC	69.4	82.8	96.1	69.0	83.0	97.0	66.8	80.7	94.5	64.3	78.0	91.7	59.0	71.0	83.0	
	67		THC	100.2	100.2	100.2	95.7	95.7	95.7	90.5	90.5	90.5	85.2	85.2	85.2	79.3	79.3	79.3	
			SHC	56.5	70.7	84.8	54.7	68.9	83.1	52.7	66.8	81.0	50.6	64.8	79.0	48.4	62.5	76.7	
	72	THC	109.7	109.7	109.7	104.5	104.5	104.5	98.9	98.9	98.9	93.0	93.0	93.0	86.6	86.6	86.6		
		SHC	41.7	55.6	69.4	39.8	53.7	67.6	37.8	51.8	65.7	35.7	49.7	63.7	33.5	47.5	61.5		
	76	THC	—	117.4	117.4	—	111.8	111.8	—	105.7	105.7	—	99.1	99.1	—	91.8	91.8		
		SHC	—	43.4	56.1	—	41.6	54.8	—	39.7	53.2	—	37.6	51.3	—	35.3	49.1		
	3375 cfm	EA (wb)	58	THC	92.5	92.5	104.6	88.9	88.9	100.6	85.1	85.1	96.3	80.7	80.7	91.3	76.2	76.2	86.2
				SHC	80.4	92.5	104.6	77.3	88.9	100.6	73.9	85.1	96.3	70.1	80.7	91.3	66.2	76.2	86.2
62			THC	93.8	93.8	106.2	89.5	89.5	103.1	85.3	85.3	99.4	81.8	81.8	92.2	76.3	76.3	89.6	
			SHC	75.2	90.7	106.2	72.7	87.9	103.1	69.9	84.6	99.4	65.3	78.8	92.2	62.9	76.3	89.6	
67			THC	102.4	102.4	102.4	97.3	97.3	97.3	92.1	92.1	92.1	86.6	86.6	86.6	80.5	80.5	82.5	
			SHC	59.4	75.2	91.0	57.4	73.3	89.1	55.4	71.2	87.0	53.3	69.1	84.8	51.1	66.8	82.5	
72		THC	111.7	111.7	111.7	106.6	106.6	106.6	100.4	100.4	100.4	94.2	94.2	94.2	87.8	87.8	87.8		
		SHC	42.6	58.1	73.6	40.8	56.3	71.9	38.6	54.2	69.8	36.4	52.0	67.6	34.2	49.8	65.3		
76		THC	—	119.3	119.3	—	113.2	113.2	—	106.9	106.9	—	100.1	100.1	—	92.8	92.8		
		SHC	—	44.4	59.2	—	42.5	57.6	—	40.5	55.8	—	38.3	53.7	—	36.1	51.4		
3750 cfm		EA (wb)	58	THC	95.1	95.1	107.6	91.5	91.5	103.5	87.3	87.3	98.8	82.8	82.8	93.6	78.0	78.0	88.3
				SHC	82.7	95.1	107.6	79.5	91.5	103.5	75.9	87.3	98.8	71.9	82.8	93.6	67.8	78.0	88.3
	62		THC	96.5	96.5	108.5	91.5	91.5	107.5	90.1	90.1	94.0	82.9	82.9	97.2	78.1	78.1	91.7	
			SHC	77.0	92.8	108.5	75.5	91.5	107.5	68.0	81.0	94.0	68.3	82.8	97.2	64.4	78.1	91.7	
	67		THC	103.7	103.7	103.7	98.7	98.7	98.7	93.2	93.2	93.2	87.5	87.5	89.8	82.0	82.0	85.8	
			SHC	61.7	78.9	96.1	59.8	76.9	94.1	57.7	74.9	92.1	55.6	72.7	89.8	52.6	69.2	85.8	
	72	THC	113.0	113.0	113.0	107.4	107.4	107.4	101.6	101.6	101.6	95.3	95.3	95.3	88.6	88.6	88.6		
		SHC	43.2	60.1	77.0	41.2	58.2	75.2	39.2	56.2	73.1	37.1	54.0	70.9	34.8	51.7	68.6		
	76	THC	—	120.5	120.5	—	114.3	114.3	—	108.1	108.1	—	100.9	100.9	—	93.6	93.6		
		SHC	—	45.1	61.4	—	43.1	59.7	—	41.2	57.8	—	38.9	55.6	—	36.6	53.2		

LEGEND

- db — dry bulb
- EA — Entering Air (°F)
- SHC — Sensible Heat Capacity (1000 Btuh) gross
- THC — Total Capacity (1000 Btuh) gross
- wb — wet bulb

# Performance data (cont)

569J\*08G/524F\*08A Stage 1 Combination Ratings — 60 Hz

569J*08G/524F*08A			AMBIENT TEMPERATURE (°F)																
			85			95			105			115			125				
			EA (db)			EA (db)			EA (db)			EA (db)			EA (db)				
			75	80	85	75	80	85	75	80	85	75	80	85	75	80	85		
1900 cfm	EA (wb)	58	THC	58.3	58.3	65.9	55.2	55.2	62.4	51.8	51.8	58.6	48.1	48.1	54.4	44.2	44.2	50.0	
			SHC	50.6	58.3	65.9	48.0	55.2	62.4	45.0	51.8	58.6	41.8	48.1	54.4	38.4	44.2	50.0	
		62	THC	60.1	60.1	65.1	56.1	56.1	63.1	52.1	52.1	60.0	48.7	48.7	55.1	44.2	44.2	52.0	
			SHC	46.7	55.9	65.1	44.8	53.9	63.1	42.3	51.2	60.0	39.0	47.0	55.1	36.5	44.2	52.0	
		67	THC	66.6	66.6	66.6	62.4	62.4	62.4	57.7	57.7	57.7	52.6	52.6	52.6	47.3	47.3	48.7	
			SHC	37.7	46.9	56.1	36.0	45.3	54.5	34.2	43.4	52.7	32.2	41.5	50.7	30.2	39.5	48.7	
	72	THC	73.6	73.6	73.6	69.2	69.2	69.2	64.2	64.2	64.2	58.8	58.8	58.8	53.1	53.1	53.1		
		SHC	28.5	37.5	46.5	26.9	35.9	45.0	25.1	34.2	43.2	23.2	32.3	41.4	21.2	30.4	39.5		
	76	THC	—	79.6	79.6	—	75.1	75.1	—	69.8	69.8	—	64.0	64.0	—	58.1	58.1		
		SHC	—	29.8	40.2	—	28.4	36.4	—	26.7	35.2	—	24.9	33.7	—	23.0	31.9		
	2250 cfm	EA (wb)	58	THC	61.8	61.8	69.9	58.5	58.5	66.2	54.8	54.8	62.0	50.9	50.9	57.5	46.6	46.6	52.8
				SHC	53.8	61.8	69.9	50.9	58.5	66.2	47.7	54.8	62.0	44.2	50.9	57.5	40.5	46.6	52.8
62			THC	62.4	62.4	71.4	58.9	58.9	67.7	54.1	54.1	64.2	50.9	50.9	59.8	46.7	46.7	54.8	
			SHC	50.5	61.0	71.4	47.8	57.8	67.7	43.9	54.1	64.2	42.0	50.9	59.8	38.5	46.7	54.8	
67			THC	68.6	68.6	68.6	64.2	64.2	64.2	59.3	59.3	59.3	54.0	54.0	56.4	48.5	48.5	54.2	
			SHC	40.4	51.1	61.9	38.7	49.4	60.2	36.8	47.6	58.4	34.9	45.6	56.4	32.8	43.5	54.2	
72		THC	75.6	75.6	75.6	71.0	71.0	71.0	65.9	65.9	65.9	60.2	60.2	60.2	54.3	54.3	54.3		
		SHC	29.5	40.0	50.5	27.9	38.4	49.0	26.0	36.7	47.3	24.1	34.8	45.4	22.1	32.8	43.4		
76		THC	—	81.6	81.6	—	76.9	76.9	—	71.4	71.4	—	65.5	65.5	—	59.2	59.2		
		SHC	—	31.1	40.8	—	29.6	39.6	—	27.9	38.1	—	26.0	36.4	—	24.1	34.5		
2650 cfm		EA (wb)	58	THC	65.0	65.0	73.5	61.5	61.5	69.5	57.6	57.6	65.1	53.3	53.3	60.3	48.8	48.8	55.2
				SHC	56.6	65.0	73.5	53.5	61.5	69.5	50.1	57.6	65.1	46.4	53.3	60.3	42.4	48.8	55.2
	62		THC	65.1	65.1	76.4	61.6	61.6	72.3	57.6	57.6	67.7	53.4	53.4	62.7	48.9	48.9	57.4	
			SHC	53.8	65.1	76.4	50.9	61.6	72.3	47.6	57.6	67.7	44.1	53.4	62.7	40.3	48.9	57.4	
	67		THC	70.3	70.3	70.3	65.7	65.7	66.4	60.7	60.7	64.4	55.2	55.2	62.3	49.6	49.6	59.6	
			SHC	43.2	55.7	68.1	41.5	54.0	66.4	39.7	52.0	64.4	37.6	50.0	62.3	35.4	47.5	59.6	
	72	THC	77.3	77.3	77.3	72.6	72.6	72.6	67.2	67.2	67.2	61.4	61.4	61.4	55.3	55.3	55.3		
		SHC	30.4	42.6	54.8	28.8	41.0	53.3	27.0	39.3	51.6	25.1	37.4	49.7	23.0	35.3	47.6		
	76	THC	—	83.3	83.3	—	78.4	78.4	—	72.8	72.8	—	66.7	66.7	—	60.1	60.1		
		SHC	—	32.2	43.9	—	30.7	42.6	—	29.0	41.0	—	27.1	39.2	—	25.1	37.2		
	3000 cfm	EA (wb)	58	THC	67.3	67.3	76.1	63.7	63.7	72.0	59.6	59.6	67.3	55.1	55.1	62.3	50.4	50.4	56.9
				SHC	58.6	67.3	76.1	55.4	63.7	72.0	51.8	59.6	67.3	47.9	55.1	62.3	43.8	50.4	56.9
62			THC	66.8	66.8	79.1	63.7	63.7	74.8	59.6	59.6	70.0	55.2	55.2	64.8	50.5	50.5	59.3	
			SHC	54.5	66.8	79.1	52.7	63.7	74.8	49.3	59.6	70.0	45.6	55.2	64.8	41.7	50.5	59.3	
67			THC	71.4	71.4	73.3	66.7	66.7	71.5	61.6	61.6	69.4	56.0	56.0	66.7	51.1	51.1	63.0	
			SHC	45.6	59.5	73.3	43.9	57.7	71.5	42.0	55.7	69.4	39.7	53.2	66.7	37.2	50.1	63.0	
72		THC	78.4	78.4	78.4	73.6	73.6	73.6	68.1	68.1	68.1	62.2	62.2	62.2	56.0	56.0	56.0		
		SHC	31.1	44.8	58.4	29.5	43.2	56.9	27.7	41.4	55.1	25.8	39.5	53.2	23.8	37.4	51.1		
76		THC	—	84.4	84.4	—	79.5	79.5	—	73.7	73.7	—	67.4	67.4	—	60.8	60.8		
		SHC	—	33.0	46.3	—	31.5	44.9	—	29.8	43.2	—	27.9	41.3	—	25.9	39.3		
3400 cfm		EA (wb)	58	THC	69.5	69.5	78.5	65.8	65.8	74.3	61.4	61.4	69.4	56.8	56.8	64.2	51.9	51.9	58.6
				SHC	60.5	69.5	78.5	57.3	65.8	74.3	53.5	61.4	69.4	49.4	56.8	64.2	45.1	51.9	58.6
	62		THC	69.6	69.6	81.6	65.8	65.8	77.2	61.5	61.5	72.1	56.8	56.8	66.7	51.9	51.9	60.9	
			SHC	57.5	69.6	81.6	54.4	65.8	77.2	50.8	61.5	72.1	47.0	56.8	66.7	42.9	51.9	60.9	
	67		THC	72.4	72.4	78.7	67.7	67.7	76.9	62.5	62.5	74.5	57.2	57.2	70.9	52.1	52.1	64.7	
			SHC	48.1	63.4	78.7	46.4	61.6	76.9	44.4	59.4	74.5	41.8	56.4	70.9	38.1	51.4	64.7	
	72	THC	79.4	79.4	79.4	74.5	74.5	74.5	69.0	69.0	69.0	62.9	62.9	62.9	56.6	56.6	56.6		
		SHC	31.8	47.0	62.3	30.2	45.5	60.7	28.5	43.7	59.0	26.6	41.8	57.0	24.6	39.7	54.9		
	76	THC	—	85.5	85.5	—	80.4	80.4	—	74.6	74.6	—	68.2	68.2	—	61.3	61.3		
		SHC	—	33.8	48.7	—	32.2	47.2	—	30.5	45.5	—	28.6	43.6	—	26.5	41.5		

LEGEND

- db — dry bulb
- EA — Entering Air (°F)
- SHC — Sensible Heat Capacity (1000 Btu/h) gross
- THC — Total Capacity (1000 Btu/h) gross
- wb — wet bulb

# Performance data (cont)

569J\*12M/524F\*12A Stage 2 Combination Ratings — 60 Hz

569J*12M/524F*12A			AMBIENT TEMPERATURE (°F)															
			85			95			105			115			125			
			EA (db)			EA (db)			EA (db)			EA (db)			EA (db)			
			75	80	85	75	80	85	75	80	85	75	80	85	75	80	85	
3000 cfm	EA (wb)	58	THC	107.1	107.1	118.6	102.2	102.2	115.5	97.6	97.6	110.3	92.6	92.6	104.7	87.4	87.4	98.8
			SHC	91.8	105.2	118.6	88.9	102.2	115.5	84.9	97.6	110.3	80.5	92.6	104.7	76.0	87.4	98.8
		62	THC	112.1	112.1	112.9	106.7	106.7	110.3	100.7	100.7	107.4	94.6	94.6	104.3	88.3	88.3	100.9
			SHC	82.9	97.9	112.9	80.4	95.4	110.3	77.6	92.5	107.4	74.6	89.5	104.3	71.5	86.2	100.9
		67	THC	122.5	122.5	122.5	116.8	116.8	116.8	110.2	110.2	110.2	103.3	103.3	103.3	96.1	96.1	96.1
	SHC		68.0	82.8	97.7	65.6	80.5	95.4	62.9	77.8	92.8	60.0	75.0	90.0	57.2	72.2	87.2	
	72	THC	134.5	134.5	134.5	127.7	127.7	127.7	120.7	120.7	120.7	113.0	113.0	113.0	105.1	105.1	105.1	
		SHC	53.2	67.5	81.9	50.6	65.1	79.6	47.9	62.5	77.2	45.0	59.8	74.5	42.1	56.9	71.7	
	76	THC	—	144.5	144.5	—	137.3	137.3	—	129.5	129.5	—	121.4	121.4	—	112.8	112.8	
		SHC	—	54.4	70.9	—	52.2	68.7	—	49.8	61.2	—	47.3	60.8	—	44.5	58.7	
3500 cfm	EA (wb)	58	THC	111.9	111.9	126.5	107.4	107.4	121.3	102.4	102.4	115.7	97.0	97.0	109.7	91.4	91.4	103.3
			SHC	97.3	111.9	126.5	93.4	107.4	121.3	89.0	102.4	115.7	84.4	97.0	109.7	79.5	91.4	103.3
		62	THC	115.3	115.3	123.1	109.9	109.9	120.3	103.7	103.7	117.0	98.2	98.2	110.2	92.3	92.3	104.5
			SHC	88.9	106.0	123.1	86.3	103.3	120.3	83.2	100.1	117.0	78.5	94.4	110.2	74.2	89.4	104.5
		67	THC	125.9	125.9	125.9	119.9	119.9	119.9	112.8	112.8	112.8	105.5	105.5	105.5	98.1	98.1	98.1
	SHC		71.8	89.0	106.2	69.4	86.6	103.8	66.6	83.8	101.1	63.7	81.0	98.3	60.8	78.1	95.3	
	72	THC	137.9	137.9	137.9	130.7	130.7	130.7	123.2	123.2	123.2	115.2	115.2	115.2	107.0	107.0	107.0	
		SHC	54.6	71.3	88.1	51.9	68.8	85.7	49.1	66.1	83.1	46.2	63.3	80.4	43.3	60.5	77.6	
	76	THC	—	147.8	147.8	—	140.3	140.3	—	132.2	132.2	—	123.8	123.8	—	—	—	
		SHC	—	56.6	75.9	—	54.3	69.3	—	51.7	67.5	—	49.1	65.4	—	—	—	
4000 cfm	EA (wb)	58	THC	116.5	116.5	131.7	111.7	111.7	126.2	106.4	106.4	120.2	100.6	100.6	113.7	94.6	94.6	106.9
			SHC	101.4	116.5	131.7	97.1	111.7	126.2	92.5	106.4	120.2	87.5	100.6	113.7	82.3	94.6	106.9
		62	THC	118.2	118.2	132.2	112.6	112.6	129.0	107.2	107.2	121.7	101.5	101.5	114.9	94.7	94.7	111.1
			SHC	94.3	113.2	132.2	91.4	110.2	129.0	86.4	104.1	121.7	81.6	98.2	114.9	78.3	94.7	111.1
		67	THC	128.6	128.6	128.6	122.0	122.0	122.0	114.9	114.9	114.9	107.4	107.4	107.4	99.6	99.6	103.2
	SHC		75.6	95.0	114.4	73.0	92.4	111.9	70.2	89.6	109.1	67.3	86.7	106.2	64.3	83.7	103.2	
	72	THC	140.1	140.1	140.1	133.0	133.0	133.0	125.2	125.2	125.2	117.0	117.0	117.0	108.6	108.6	108.6	
		SHC	55.7	74.7	93.8	53.1	72.3	91.4	50.3	69.5	88.8	47.4	66.7	86.0	44.5	63.9	83.2	
	76	THC	—	150.5	150.5	—	142.9	142.9	—	134.6	134.6	—	—	—	—	—	—	
		SHC	—	58.5	75.9	—	56.1	74.1	—	53.5	71.9	—	—	—	—	—	—	
4500 cfm	EA (wb)	58	THC	120.3	120.3	136	115.4	115.4	130.4	109.6	109.6	123.8	103.6	103.6	117.1	97.3	97.3	109.9
			SHC	104.7	120.3	136	100.4	115.4	130.4	95.3	109.6	123.8	90.2	103.6	117.1	84.6	97.3	109.9
		62	THC	121.6	121.6	138.7	116.5	116.5	131.3	110.4	110.4	125.9	103.6	103.6	121.6	97.3	97.3	114.2
			SHC	98.4	118.5	138.7	93.4	112.3	131.3	89.3	107.6	125.9	85.6	103.6	121.6	80.4	97.3	114.2
		67	THC	130.4	130.4	130.4	123.8	123.8	123.8	116.7	116.7	116.9	108.6	108.6	113.6	100.8	100.8	110.4
	SHC		78.9	100.5	122.1	76.4	98.0	119.6	73.7	95.3	116.9	70.6	92.1	113.6	67.5	89.0	110.4	
	72	THC	142.0	142.0	142.0	134.8	134.8	134.8	126.8	126.8	126.8	118.4	118.4	118.4	109.8	109.8	109.8	
		SHC	56.8	78.1	99.3	54.2	75.6	96.9	51.4	72.8	94.3	48.6	70.0	91.5	45.6	67.1	88.6	
	76	THC	—	152.2	152.2	—	144.5	144.5	—	135.9	135.9	—	—	—	—	—	—	
		SHC	—	59.9	80.0	—	57.5	78.0	—	54.9	75.7	—	—	—	—	—	—	
5000 cfm	EA (wb)	58	THC	123.6	123.6	139.7	118.5	118.5	133.9	112.4	112.4	127.0	106.2	106.2	120.0	99.5	99.5	112.5
			SHC	107.6	123.6	139.7	103.1	118.5	133.9	97.8	112.4	127.0	92.4	106.2	120.0	86.6	99.5	112.5
		62	THC	123.7	123.7	145.2	119.9	119.9	133.8	112.6	112.6	132.2	106.3	106.3	124.7	99.6	99.6	116.9
			SHC	102.3	123.7	145.2	95.4	114.6	133.8	93.1	112.6	132.2	87.8	106.3	124.7	82.3	99.6	116.9
		67	THC	132.1	132.1	132.1	125.2	125.2	127.0	117.7	117.7	123.9	109.9	109.9	121.2	101.9	101.9	117.3
	SHC		82.3	105.9	129.6	79.7	103.4	127.0	76.8	100.3	123.9	74.0	97.6	121.2	70.7	94.0	117.3	
	72	THC	143.7	143.7	143.7	136.3	136.3	136.3	128.1	128.1	128.1	119.6	119.6	119.6	110.7	110.7	110.7	
		SHC	57.8	81.3	104.7	55.3	78.8	102.2	52.5	76.0	99.6	49.6	73.2	96.8	46.7	70.3	93.9	
	76	THC	—	154.1	154.1	—	146.1	146.1	—	—	—	—	—	—	—	—	—	
		SHC	—	61.4	83.9	—	58.9	81.8	—	—	—	—	—	—	—	—	—	

LEGEND

- db — dry bulb
- EA — Entering Air (°F)
- SHC — Sensible Heat Capacity (1000 Btuh) gross
- THC — Total Capacity (1000 Btuh) gross
- wb — wet bulb



# Performance data (cont)

569J\*12M/524F\*12A Stage 1 Combination Ratings — 60 Hz

569J*12M/524F*12A			AMBIENT TEMPERATURE (°F)															
			85			95			105			115			125			
			EA (db)			EA (db)			EA (db)			EA (db)			EA (db)			
			75	80	85	75	80	85	75	80	85	75	80	85	75	80	85	
2500 cfm	EA (wb)	58	THC	74.8	74.8	84.8	70.2	70.2	79.5	65.4	65.4	74.0	60.2	60.2	68.2	55.0	55.0	62.3
			SHC	64.9	74.8	84.8	60.9	70.2	79.5	56.7	65.4	74.0	52.2	60.2	68.2	47.7	55.0	62.3
		62	THC	76.2	76.2	85.8	71.0	71.0	81.5	64.5	64.5	76.7	60.3	60.3	71.0	55.1	55.1	64.8
			SHC	60.7	73.3	85.8	57.3	69.4	81.5	52.3	64.5	76.7	49.6	60.3	71.0	45.3	55.1	64.8
		67	THC	84.7	84.7	84.7	78.4	78.4	78.4	71.6	71.6	71.6	64.6	64.6	66.8	57.5	57.5	64.0
			SHC	49.1	61.8	74.5	46.6	59.3	72.1	44.0	56.7	69.4	41.3	54.0	66.8	38.6	51.3	64.0
		72	THC	94.1	94.1	94.1	87.6	87.6	87.6	80.5	80.5	80.5	72.9	72.9	72.9	—	—	—
			SHC	37.1	49.6	62.0	34.8	47.3	59.8	32.2	44.8	57.4	29.6	42.2	54.8	—	—	—
		76	THC	—	102.3	102.3	—	—	—	—	—	—	—	—	—	—	—	—
			SHC	—	39.6	50.4	—	—	—	—	—	—	—	—	—	—	—	—
3000 cfm	EA (wb)	58	THC	79.8	79.8	90.4	74.9	74.9	84.8	69.6	69.6	78.8	64.0	64.0	72.5	58.3	58.3	66.0
			SHC	69.2	79.8	90.4	65.0	74.9	84.8	60.4	69.6	78.8	55.5	64.0	72.5	50.6	58.3	66.0
		62	THC	80.6	80.6	92.5	73.5	73.5	87.8	69.6	69.6	81.9	64.1	64.1	75.4	58.3	58.3	68.6
			SHC	65.1	78.8	92.5	59.2	73.5	87.8	57.3	69.6	81.9	52.7	64.1	75.4	48.0	58.3	68.6
		67	THC	87.3	87.3	87.3	80.8	80.8	80.8	73.7	73.7	78.0	66.4	66.4	75.0	59.1	59.1	71.7
			SHC	53.1	68.2	83.2	50.6	65.7	80.7	47.9	63.0	78.0	45.1	60.1	75.0	42.2	57.0	71.7
		72	THC	96.7	96.7	96.7	90.2	90.2	90.2	82.6	82.6	82.6	—	—	—	—	—	—
			SHC	38.7	53.5	68.3	36.4	51.3	66.1	33.8	48.7	63.7	—	—	—	—	—	—
		76	THC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
			SHC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3500 cfm	EA (wb)	58	THC	83.8	83.8	94.9	78.6	78.6	89.0	73.0	73.0	82.6	67.1	67.1	75.9	60.9	60.9	68.9
			SHC	72.7	83.8	94.9	68.2	78.6	89.0	63.4	73.0	82.6	58.2	67.1	75.9	52.8	60.9	68.9
		62	THC	83.9	83.9	98.7	78.7	78.7	92.5	73.1	73.1	85.9	67.1	67.1	78.9	60.9	60.9	71.7
			SHC	69.1	83.9	98.7	64.8	78.7	92.5	60.2	73.1	85.9	55.3	67.1	78.9	50.2	60.9	71.7
		67	THC	89.3	89.3	91.5	82.6	82.6	88.8	75.4	75.4	85.8	68.0	68.0	82.3	61.7	61.7	75.2
			SHC	56.9	74.2	91.5	54.3	71.6	88.8	51.6	68.7	85.8	48.6	65.4	82.3	44.3	59.7	75.2
		72	THC	98.7	98.7	98.7	91.8	91.8	91.8	—	—	—	—	—	—	—	—	—
			SHC	40.1	57.3	74.4	37.8	55.0	72.1	—	—	—	—	—	—	—	—	—
		76	THC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
			SHC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4000 cfm	EA (wb)	58	THC	87.1	87.1	98.5	81.6	81.6	92.4	75.7	75.7	85.7	69.5	69.5	78.6	63.0	63.0	71.3
			SHC	75.6	87.1	98.5	70.9	81.6	92.4	65.8	75.7	85.7	60.3	69.5	78.6	54.7	63.0	71.3
		62	THC	87.1	87.1	102.5	81.7	81.7	96.1	75.8	75.8	89.1	69.5	69.5	81.8	63.0	63.0	74.1
			SHC	71.8	87.1	102.5	67.4	81.7	96.1	62.5	75.8	89.1	57.3	69.5	81.8	51.9	63.0	74.1
		67	THC	90.9	90.9	99.1	84.1	84.1	96.3	76.9	76.9	92.8	69.9	69.9	86.9	—	—	—
			SHC	60.4	79.7	99.1	57.8	77.1	96.3	54.8	73.8	92.8	50.9	68.9	86.9	—	—	—
		72	THC	100.1	100.1	100.1	93.2	93.2	93.2	—	—	—	—	—	—	—	—	—
			SHC	41.4	60.8	80.1	39.2	58.5	77.9	—	—	—	—	—	—	—	—	—
		76	THC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
			SHC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4500 cfm	EA (wb)	58	THC	89.7	89.7	101.5	84.2	84.2	95.2	78.1	78.1	88.3	71.6	71.6	81.0	—	—	—
			SHC	77.9	89.7	101.5	73.1	84.2	95.2	67.8	78.1	88.3	62.2	71.6	81.0	—	—	—
		62	THC	89.8	89.8	105.6	84.2	84.2	99.0	78.1	78.1	91.8	71.6	71.6	84.2	—	—	—
			SHC	74.0	89.8	105.6	69.4	84.2	99.0	64.4	78.1	91.8	59.0	71.6	84.2	—	—	—
		67	THC	92.1	92.1	106.1	85.3	85.3	102.9	79.1	79.1	95.4	72.3	72.3	87.4	—	—	—
			SHC	63.6	84.9	106.1	60.9	81.9	102.9	56.4	75.9	95.4	51.7	69.5	87.4	—	—	—
		72	THC	101.3	101.3	101.3	—	—	—	—	—	—	—	—	—	—	—	—
			SHC	42.7	64.2	85.7	—	—	—	—	—	—	—	—	—	—	—	—
		76	THC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
			SHC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

LEGEND

- db — dry bulb
- EA — Entering Air (°F)
- SHC — Sensible Heat Capacity (1000 Btuh) gross
- THC — Total Capacity (1000 Btuh) gross
- wb — wet bulb

# Performance data (cont)

569J\*12T/524F\*12A Stage 3 Combination Ratings — 60 Hz

569J*12T/524F*12A				AMBIENT TEMPERATURE (°F)															
				85			95			105			115			125			
				EA (db)			EA (db)			EA (db)			EA (db)			EA (db)			
				75	80	85	75	80	85	75	80	85	75	80	85	75	80	85	
3000 cfm	EA (wb)	58	THC	100.7	100.7	111.7	96.2	96.2	109.6	92.4	92.4	105.3	88.4	88.4	100.7	83.9	83.9	95.6	
			SHC	85.0	98.3	111.7	82.8	96.2	109.6	79.6	92.4	105.3	76.1	88.4	100.7	72.3	83.9	95.6	
		62	THC	109.8	109.8	109.8	101.9	101.9	103.8	96.9	96.9	101.4	91.5	91.5	99.0	85.8	85.8	96.2	
			SHC	75.3	89.3	103.3	74.4	89.1	103.8	72.1	86.7	101.4	69.7	84.3	99.0	67.1	81.6	96.2	
		67	THC	118.9	118.9	118.9	113.6	113.6	113.6	107.9	107.9	107.9	101.9	101.9	101.9	95.4	95.4	95.4	
			SHC	62.7	77.3	92.0	60.7	75.3	90.0	58.4	73.1	87.9	56.1	70.8	85.6	53.6	68.4	83.1	
	72	THC	132.3	132.3	132.3	126.3	126.3	126.3	120.1	120.1	120.1	113.4	113.4	113.4	106.2	106.2	106.2		
		SHC	49.1	63.2	77.2	46.8	61.1	75.3	44.6	59.0	73.3	42.2	56.7	71.2	39.7	54.3	68.8		
	76	THC	—	144.0	144.0	—	137.6	137.6	—	130.7	130.7	—	123.3	123.3	—	115.2	115.2		
		SHC	—	51.2	67.7	—	49.2	65.7	—	47.4	63.9	—	45.2	58.3	—	42.8	56.7		
	3500 cfm	EA (wb)	58	THC	106.1	106.1	120.7	102.3	102.3	116.4	98.2	98.2	111.7	93.7	93.7	106.6	88.9	88.9	101.1
				SHC	91.5	106.1	120.7	88.3	102.3	116.4	84.7	98.2	111.7	80.8	93.7	106.6	76.6	88.9	101.1
62			THC	110.6	110.6	116.6	105.7	105.7	114.3	100.4	100.4	111.8	94.9	94.9	108.6	89.6	89.6	103.8	
			SHC	83.0	99.8	116.6	80.8	97.6	114.3	78.4	95.1	111.8	75.6	92.1	108.6	72.1	87.9	103.8	
67			THC	122.8	122.8	122.8	117.1	117.1	117.1	111.2	111.2	111.2	104.8	104.8	104.8	98.0	98.0	98.0	
			SHC	67.2	84.0	100.9	65.0	81.9	98.8	62.7	79.7	96.6	60.3	77.2	94.2	57.8	74.7	91.7	
72		THC	136.2	136.2	136.2	129.7	129.7	129.7	123.4	123.4	123.4	116.4	116.4	116.4	108.8	108.8	108.8		
		SHC	51.0	67.4	83.9	48.6	65.2	81.8	46.4	63.1	79.7	44.0	60.8	77.5	41.4	58.2	75.0		
76		THC	—	148.0	148.0	—	141.1	141.1	—	133.8	133.8	—	126.1	126.1	—	117.8	117.8		
		SHC	—	53.8	73.1	—	51.9	66.5	—	49.7	65.2	—	47.4	63.4	—	44.9	61.3		
4000 cfm		EA (wb)	58	THC	111.5	111.5	126.7	107.3	107.3	122.0	102.9	102.9	116.9	98.1	98.1	111.5	92.9	92.9	105.5
				SHC	96.3	111.5	126.7	92.7	107.3	122.0	88.9	102.9	116.9	84.8	98.1	111.5	80.2	92.9	105.5
	62		THC	114.1	114.1	126.5	109.0	109.0	123.6	103.7	103.7	120.5	99.2	99.2	113.1	93.0	93.0	109.9	
			SHC	89.1	107.8	126.5	86.6	105.1	123.6	83.9	102.2	120.5	79.1	96.1	113.1	76.2	93.0	109.9	
	67		THC	126.0	126.0	126.0	119.9	119.9	119.9	113.8	113.8	113.8	107.1	107.1	107.1	100.0	100.0	100.0	
			SHC	71.3	90.3	109.4	69.0	88.1	107.1	66.7	85.8	104.8	64.3	83.3	102.4	61.6	80.7	99.7	
	72	THC	139.4	139.4	139.4	132.7	132.7	132.7	125.9	125.9	125.9	118.5	118.5	118.5	110.7	110.7	110.7		
		SHC	52.7	71.4	90.0	50.4	69.1	87.9	48.1	66.9	85.7	45.6	64.5	83.4	43.0	61.9	80.9		
	76	THC	—	151.1	151.1	—	143.7	143.7	—	136.3	136.3	—	128.3	128.3	—	119.7	119.7		
		SHC	—	56.0	73.1	—	53.9	71.6	—	51.7	69.8	—	49.3	67.7	—	46.7	65.4		
	4500 cfm	EA (wb)	58	THC	116.0	116.0	131.7	111.6	111.6	126.7	106.9	106.9	121.3	101.8	101.8	115.5	96.2	96.2	109.2
				SHC	100.4	116.0	131.7	96.5	111.6	126.7	92.4	106.9	121.3	88.0	101.8	115.5	83.2	96.2	109.2
62			THC	117.1	117.1	134.4	112.0	112.0	131.3	107.3	107.3	125.6	102.1	102.1	119.9	96.3	96.3	113.6	
			SHC	94.0	114.2	134.4	91.4	111.4	131.3	87.5	106.6	125.6	83.4	101.7	119.9	79.0	96.3	113.6	
67			THC	129.3	129.3	129.3	123.0	123.0	123.0	115.7	115.7	115.7	108.9	108.9	110.2	102.2	102.2	109.3	
			SHC	76.1	97.7	119.3	73.8	95.4	117.0	70.4	91.5	112.7	68.0	89.1	110.2	66.2	87.8	109.3	
72		THC	141.7	141.7	141.7	135.0	135.0	135.0	127.9	127.9	127.9	120.4	120.4	120.4	112.3	112.3	112.3		
		SHC	54.1	75.0	95.8	51.9	72.8	93.7	49.5	70.5	91.4	47.0	68.0	89.1	44.4	65.4	86.5		
76		THC	—	153.3	153.3	—	146.1	146.1	—	138.3	138.3	—	130.1	130.1	—	121.2	121.2		
		SHC	—	57.9	77.6	—	55.7	75.8	—	53.4	73.8	—	51.0	71.6	—	48.4	69.2		
5000 cfm		EA (wb)	58	THC	120.0	120.0	136.1	115.2	115.2	130.7	110.3	110.3	125.1	104.9	104.9	119.0	99.1	99.1	112.4
				SHC	103.9	120.0	136.1	99.8	115.2	130.7	95.5	110.3	125.1	90.9	104.9	119.0	85.8	99.1	112.4
	62		THC	120.9	120.9	138.7	115.5	115.5	136.1	111.0	111.0	128.8	105.0	105.0	123.8	99.2	99.2	116.9	
			SHC	97.3	118.0	138.7	94.8	115.5	136.1	90.1	109.4	128.8	86.2	105.0	123.8	81.5	99.2	116.9	
	67		THC	130.3	130.3	130.3	124.0	124.0	124.0	117.4	117.4	120.2	110.4	110.4	117.4	103.0	103.0	114.5	
			SHC	78.8	101.9	125.1	76.5	99.6	122.7	74.0	97.1	120.2	71.4	94.4	117.4	68.7	91.6	114.5	
	72	THC	143.7	143.7	143.7	136.7	136.7	136.7	129.4	129.4	129.4	121.9	121.9	121.9	113.6	113.6	113.6		
		SHC	55.5	78.4	101.3	53.2	76.2	99.1	50.8	73.8	96.8	48.4	71.4	94.5	45.7	68.8	91.8		
	76	THC	—	155.5	155.5	—	147.7	147.7	—	139.6	139.6	—	131.4	131.4	—	122.5	122.5		
		SHC	—	59.6	81.6	—	57.2	79.6	—	54.9	77.5	—	52.5	75.2	—	49.9	72.7		

LEGEND

- db — dry bulb
- EA — Entering Air (°F)
- SHC — Sensible Heat Capacity (1000 Btuh) gross
- THC — Total Capacity (1000 Btuh) gross
- wb — wet bulb

# Performance data (cont)

569J\*12T/524F\*12A Stage 2 Combination Ratings — 60 Hz

569J*12T/524F*12A			AMBIENT TEMPERATURE (°F)																
			85			95			105			115			125				
			EA (db)			EA (db)			EA (db)			EA (db)			EA (db)				
			75	80	85	75	80	85	75	80	85	75	80	85	75	80	85		
2500 cfm	EA (wb)	58	THC	88.4	88.4	97.2	84.8	84.8	94.5	81.1	81.1	90.3	76.4	76.4	86.4	71.7	71.7	81.1	
			SHC	75.2	86.2	97.2	72.9	83.7	94.5	69.7	80.0	90.3	66.4	76.4	86.4	62.4	71.7	81.1	
		62	THC	93.1	93.1	93.1	88.6	88.6	90.3	83.9	83.9	87.0	79.1	79.1	83.2	73.5	73.5	79.7	
			SHC	68.3	80.4	92.6	66.1	78.2	90.3	63.3	75.1	87.0	60.2	71.7	83.2	57.2	68.4	79.7	
		67	THC	102.6	102.6	102.6	97.7	97.7	97.7	92.4	92.4	92.4	86.6	86.6	86.6	80.1	80.1	80.1	
			SHC	56.4	68.5	80.5	54.4	66.5	78.6	52.2	64.4	76.5	49.9	62.0	74.2	47.3	59.5	71.7	
	72	THC	113.1	113.1	113.1	107.9	107.9	107.9	101.9	101.9	101.9	95.5	95.5	95.5	88.5	88.5	88.5		
		SHC	44.7	56.0	67.3	42.6	54.2	65.7	40.3	52.0	63.8	37.9	49.8	61.7	35.3	47.3	59.4		
	76	THC	—	122.2	122.2	—	116.4	116.4	—	110.3	110.3	—	—	—	—	—	—		
		SHC	—	46.2	57.8	—	44.2	56.5	—	41.8	54.3	—	—	—	—	—	—		
	3000 cfm	EA (wb)	58	THC	93.6	93.6	105.3	89.8	89.8	101.3	85.7	85.7	96.8	81.2	81.2	91.7	76.1	76.1	86.0
				SHC	81.2	93.3	105.3	78.0	89.7	101.3	74.6	85.7	96.8	70.6	81.2	91.7	66.3	76.1	86.0
62			THC	96.9	96.9	101.0	95.4	95.4	95.4	87.7	87.7	95.0	82.5	82.5	91.1	76.8	76.8	86.7	
			SHC	73.4	87.2	101.0	69.0	82.0	94.9	68.3	81.6	95.0	65.1	78.1	91.1	61.6	74.2	86.7	
67			THC	106.2	106.2	106.2	101.0	101.0	101.0	95.4	95.4	95.4	89.2	89.2	89.2	82.5	82.5	82.5	
			SHC	60.5	74.7	89.0	58.4	72.7	87.0	56.2	70.5	84.8	53.7	68.1	82.5	51.1	65.4	79.8	
72		THC	116.7	116.7	116.7	111.0	111.0	111.0	104.9	104.9	104.9	98.1	98.1	98.1	90.8	90.8	90.8		
		SHC	46.2	60.0	73.8	44.1	58.0	72.0	41.8	55.9	70.0	39.4	53.6	67.7	36.8	51.1	65.3		
76		THC	—	126.1	126.1	—	—	—	—	—	—	—	—	—	—	—	—		
		SHC	—	47.9	62.7	—	—	—	—	—	—	—	—	—	—	—	—		
3500 cfm		EA (wb)	58	THC	98.2	98.2	110.9	94.5	94.5	106.8	89.9	89.9	101.5	84.9	84.9	95.9	79.5	79.5	89.8
				SHC	85.5	98.2	110.9	82.3	94.5	106.8	78.2	89.9	101.5	73.9	84.9	95.9	69.2	79.5	89.8
	62		THC	100.2	100.2	109.2	95.8	95.8	105.7	90.9	90.9	102.0	85.4	85.4	97.8	80.0	80.0	92.2	
			SHC	78.4	93.8	109.2	75.6	90.7	105.7	72.6	87.3	102.0	69.3	83.6	97.8	65.3	78.8	92.2	
	67		THC	108.9	108.9	108.9	103.7	103.7	103.7	97.6	97.6	97.6	91.0	91.0	91.0	84.0	84.0	87.0	
			SHC	64.2	80.6	97.1	62.5	79.1	95.7	59.8	76.2	92.6	57.3	73.6	90.0	54.4	70.7	87.0	
	72	THC	119.4	119.4	119.4	113.5	113.5	113.5	107.3	107.3	107.3	100.3	100.3	100.3	—	—	—		
		SHC	47.6	63.7	79.7	45.5	61.6	77.8	43.3	59.5	75.7	40.9	57.2	73.5	—	—	—		
	76	THC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
		SHC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	4000 cfm	EA (wb)	58	THC	102.1	102.1	115.3	97.8	97.8	110.5	93.2	93.2	105.2	88	88	99.4	82.3	82.3	92.9
				SHC	88.9	102.1	115.3	85.2	97.8	110.5	81.1	93.2	105.2	76.6	88.0	99.4	71.6	82.3	92.9
62			THC	103.3	103.3	115.7	98.5	98.5	112.2	93.6	93.6	108.3	88.6	88.6	101.9	82.7	82.7	95.1	
			SHC	82.5	99.1	115.7	79.7	96.0	112.2	76.7	92.5	108.3	72.3	87.1	101.9	67.5	81.3	95.1	
67			THC	111.0	111.0	111.0	105.3	105.3	105.3	99.3	99.3	99.9	92.7	92.7	97.0	85.6	85.6	92.6	
			SHC	67.7	86.1	104.5	65.5	83.9	102.3	63.2	81.5	99.9	60.5	78.8	97.0	57.1	74.9	92.6	
72		THC	121.5	121.5	121.5	115.5	115.5	115.5	108.7	108.7	108.7	101.6	101.6	101.6	—	—	—		
		SHC	48.9	67.1	85.2	46.8	65.1	83.3	44.5	62.8	81.1	42.1	60.4	78.8	—	—	—		
76		THC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
		SHC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
4500 cfm		EA (wb)	58	THC	105.3	105.3	118.9	100.9	100.9	114.0	96.0	96.0	108.4	90.6	90.6	102.3	84.6	84.6	95.5
				SHC	91.7	105.3	118.9	87.9	100.9	114.0	83.6	96.0	108.4	78.9	90.6	102.3	73.7	84.6	95.5
	62		THC	105.8	105.8	121.7	101.3	101.3	116.9	96.0	96.0	112.6	90.9	90.9	106.3	84.8	84.8	99.3	
			SHC	86.3	104.0	121.7	82.9	99.9	116.9	79.5	96.0	112.6	75.2	90.7	106.3	70.2	84.8	99.3	
	67		THC	112.5	112.5	112.5	106.8	106.8	109.2	100.6	100.6	106.4	94.7	94.7	102.0	87.3	87.3	96.8	
			SHC	70.9	91.2	111.5	68.7	89.0	109.2	66.2	86.3	106.4	63.0	82.5	102.0	59.1	77.9	96.8	
	72	THC	123.1	123.1	123.1	117.1	117.1	117.1	110.2	110.2	110.2	—	—	—	—	—	—		
		SHC	50.1	70.3	90.5	48.0	68.3	88.5	45.7	66.0	86.3	—	—	—	—	—	—		
	76	THC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
		SHC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		

LEGEND

- db — dry bulb
- EA — Entering Air (°F)
- SHC — Sensible Heat Capacity (1000 Btuh) gross
- THC — Total Capacity (1000 Btuh) gross
- wb — wet bulb

# Performance data (cont)

569J\*12T/524F\*12A Stage 1 Combination Ratings — 60 Hz

569J*12T/524F*12A			AMBIENT TEMPERATURE (°F)																
			85			95			105			115			125				
			EA (db)			EA (db)			EA (db)			EA (db)			EA (db)				
			75	80	85	75	80	85	75	80	85	75	80	85	75	80	85		
2500 cfm	EA (wb)	58	THC	34.0	34.0	38.9	32.6	32.6	37.2	30.9	30.9	35.2	29.0	29.0	33.2	26.9	26.9	30.8	
			SHC	29.2	34.0	38.9	27.9	32.6	37.2	26.5	30.9	35.2	24.9	29.0	33.2	23.1	26.9	30.8	
		62	THC	34.5	34.5	38.6	33.8	33.8	36.3	31.6	31.6	34.2	29.0	29.0	34.6	26.9	26.9	32.0	
			SHC	26.7	32.7	38.6	25.4	30.8	36.3	23.9	29.0	34.2	23.4	29.0	34.6	21.8	26.9	32.0	
		67	THC	38.4	38.4	38.4	36.3	36.3	36.3	33.9	33.9	33.9	31.4	31.4	32.2	28.5	28.5	31.2	
			SHC	21.7	28.1	34.5	21.0	27.4	33.8	19.9	26.0	32.2	19.3	25.7	32.2	18.3	24.7	31.2	
	72	THC	43.1	43.1	43.1	40.9	40.9	40.9	38.4	38.4	38.4	35.6	35.6	35.6	32.6	32.6	32.6		
		SHC	15.9	22.1	28.3	15.2	21.5	27.7	14.4	20.7	27.1	13.5	19.9	26.4	12.6	19.0	25.5		
	76	THC	—	47.3	47.3	—	45.0	45.0	—	42.4	42.4	—	—	—	—	—	—		
		SHC	—	17.1	21.9	—	16.5	22.0	—	15.9	21.8	—	—	—	—	—	—		
	3000 cfm	EA (wb)	58	THC	36.1	36.1	41.2	34.5	34.5	39.3	32.8	32.8	37.3	30.7	30.7	35.0	28.5	28.5	32.4
				SHC	31.1	36.1	41.2	29.7	34.5	39.3	28.2	32.8	37.3	26.4	30.7	35.0	24.5	28.5	32.4
62			THC	36.4	36.4	41.8	34.7	34.7	40.8	32.8	32.8	38.8	30.7	30.7	36.5	28.5	28.5	33.8	
			SHC	28.9	35.4	41.8	28.1	34.4	40.8	26.7	32.8	38.8	25.0	30.7	36.5	23.2	28.5	33.8	
67			THC	39.5	39.5	39.5	37.3	37.3	37.6	35.1	35.1	37.0	32.3	32.3	35.9	29.3	29.3	34.5	
			SHC	23.6	30.9	38.2	22.9	30.2	37.6	22.2	29.6	37.0	21.1	28.5	35.9	20.0	27.2	34.5	
72		THC	44.2	44.2	44.2	41.9	41.9	41.9	39.3	39.3	39.3	36.5	36.5	36.5	33.3	33.3	33.3		
		SHC	16.7	24.0	31.2	16.0	23.3	30.6	15.2	22.5	29.9	14.3	21.7	29.2	13.3	20.8	28.3		
76		THC	—	48.4	48.4	—	46.0	46.0	—	—	—	—	—	—	—	—	—		
		SHC	—	18.2	24.8	—	17.6	24.5	—	—	—	—	—	—	—	—	—		
3500 cfm		EA (wb)	58	THC	37.7	37.7	42.9	36.1	36.1	41.0	34.0	34.0	38.7	32.1	32.1	36.5	29.7	29.7	33.8
				SHC	32.5	37.7	42.9	31.1	36.1	41.0	29.4	34.0	38.7	27.7	32.1	36.5	25.6	29.7	33.8
	62		THC	38.4	38.4	41.5	36.1	36.1	42.7	34.2	34.2	40.4	32.1	32.1	38.0	29.7	29.7	35.2	
			SHC	29.3	35.4	41.5	29.5	36.1	42.7	27.9	34.2	40.4	26.2	32.1	38.0	24.3	29.7	35.2	
	67		THC	40.4	40.4	41.8	38.1	38.1	41.0	35.7	35.7	40.3	32.9	32.9	38.9	30.0	30.0	37.0	
			SHC	25.3	33.5	41.8	24.6	32.8	41.0	23.8	32.0	40.3	22.7	30.8	38.9	21.3	29.1	37.0	
	72	THC	45.0	45.0	45.0	42.7	42.7	42.7	40.1	40.1	40.1	37.2	37.2	37.2	33.9	33.9	33.9		
		SHC	17.4	25.5	33.7	16.7	24.9	33.2	15.9	24.2	32.6	15.0	23.3	31.7	14.0	22.4	30.8		
	76	THC	—	49.2	49.2	—	—	—	—	—	—	—	—	—	—	—	—		
		SHC	—	19.1	26.9	—	—	—	—	—	—	—	—	—	—	—	—		
	4000 cfm	EA (wb)	58	THC	39.1	39.1	44.5	37.4	37.4	42.5	35.4	35.4	40.2	33.2	33.2	37.7	30.7	30.7	34.9
				SHC	33.8	39.1	44.5	32.3	37.4	42.5	30.6	35.4	40.2	28.7	33.2	37.7	26.5	30.7	34.9
62			THC	39.1	39.1	46.2	37.4	37.4	44.2	35.4	35.4	41.8	33.2	33.2	39.2	30.7	30.7	36.3	
			SHC	32.0	39.1	46.2	30.6	37.4	44.2	29.0	35.4	41.8	27.2	33.2	39.2	25.2	30.7	36.3	
67			THC	41.0	41.0	45.1	38.8	38.8	44.2	36.3	36.3	43.0	33.6	33.6	41.3	30.8	30.8	38.2	
			SHC	26.9	36.0	45.1	26.1	35.2	44.2	25.1	34.0	43.0	23.9	32.6	41.3	22.1	30.2	38.2	
72		THC	45.7	45.7	45.7	43.3	43.3	43.3	40.6	40.6	40.6	37.7	37.7	37.7	34.4	34.4	34.4		
		SHC	18.0	27.1	36.3	17.3	26.5	35.7	16.4	25.7	34.9	15.6	24.9	34.2	14.6	23.9	33.1		
76		THC	—	49.9	49.9	—	—	—	—	—	—	—	—	—	—	—	—		
		SHC	—	19.8	28.9	—	—	—	—	—	—	—	—	—	—	—	—		
4500 cfm		EA (wb)	58	THC	40.3	40.3	45.7	38.5	38.5	43.7	36.4	36.4	41.3	34.1	34.1	38.7	31.6	31.6	35.8
				SHC	34.8	40.3	45.7	33.3	38.5	43.7	31.5	36.4	41.3	29.5	34.1	38.7	27.3	31.6	35.8
	62		THC	40.3	40.3	47.5	38.4	38.4	45.4	36.4	36.4	43.0	34.2	34.2	40.3	31.6	31.6	37.3	
			SHC	33.0	40.3	47.5	31.5	38.4	45.4	29.9	36.4	43.0	28.0	34.2	40.3	25.9	31.6	37.3	
	67		THC	41.6	41.6	48.0	39.3	39.3	46.9	36.9	36.9	45.3	34.2	34.2	43.3	32.3	32.3	36.7	
			SHC	28.4	38.2	48.0	27.5	37.2	46.9	26.4	35.9	45.3	25.0	34.2	43.3	21.8	29.2	36.7	
	72	THC	46.2	46.2	46.2	43.8	43.8	43.8	41.1	41.1	41.1	38.1	38.1	38.1	—	—	—		
		SHC	18.5	28.5	38.6	17.8	27.9	38.0	16.9	27	37.1	16.2	26.3	36.5	—	—	—		
	76	THC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
		SHC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		

LEGEND

- db — dry bulb
- EA — Entering Air (°F)
- SHC — Sensible Heat Capacity (1000 Btuh) gross
- THC — Total Capacity (1000 Btuh) gross
- wb — wet bulb

# Performance data (cont)

569J\*14M/524J\*14A Stage 2 Combination Ratings — 60 Hz

569J*14M/524J*14A			AMBIENT TEMPERATURE (°F)																
			85			95			105			115			125				
			EA (db)			EA (db)			EA (db)			EA (db)			EA (db)				
			75	80	85	75	80	85	75	80	85	75	80	85	75	80	85		
3750 cfm	EA (wb)	58	THC	120.0	120.0	136.9	115.6	115.6	131.9	110.8	110.8	126.5	105.6	105.6	120.5	99.9	99.9	114.0	
		SHC	103.0	120.0	136.9	99.3	115.6	131.9	95.2	110.8	126.5	90.7	105.6	120.5	85.8	99.9	114.0		
		62	THC	126.4	126.4	132.3	120.3	120.3	129.6	114.0	114.0	126.6	107.1	107.1	123.4	100.8	100.8	117.8	
		SHC	93.5	112.9	132.3	90.8	110.2	129.6	88.0	107.3	126.6	84.9	104.1	123.4	80.8	99.3	117.8		
		67	THC	141.7	141.7	141.7	135.2	135.2	135.2	128.1	128.1	128.1	120.5	120.5	120.5	112.2	112.2	112.2	
		SHC	75.7	95.1	114.4	73.2	92.6	111.9	70.5	89.9	109.3	67.7	87.1	106.6	64.6	84.1	103.5		
	72	THC	158.4	158.4	158.4	151.2	151.2	151.2	143.4	143.4	143.4	135.1	135.1	135.1	126.1	126.1	126.1		
	SHC	58.0	77.0	95.9	55.5	74.5	93.5	52.7	71.8	91.0	49.8	69.0	88.2	46.8	66.0	85.3			
	76	THC	—	172.9	172.9	—	164.9	164.9	—	156.4	156.4	—	147.3	147.3	—	137.6	137.6		
	SHC	—	62.1	82.8	—	59.7	76.8	—	57.1	75.1	—	54.4	72.8	—	51.4	70.2			
	4400 cfm	EA (wb)	58	THC	128.4	128.4	146.3	123.6	123.6	140.8	118.3	118.3	134.8	112.7	112.7	128.3	106.4	106.4	121.2
			SHC	110.6	128.4	146.3	106.4	123.6	140.8	101.9	118.3	134.8	97.0	112.7	128.3	91.7	106.4	121.2	
62			THC	131.4	131.4	147.3	125.1	125.1	144.1	119.2	119.2	139.3	113.8	113.8	131.5	106.6	106.6	126.3	
SHC			102.7	125.0	147.3	99.8	122.0	144.1	96.1	117.7	139.3	91.0	111.3	131.5	86.8	106.6	126.3		
67			THC	146.6	146.6	146.6	139.8	139.8	139.8	132.3	132.3	132.3	124.1	124.1	124.1	115.6	115.6	115.6	
SHC			81.9	104.4	126.9	79.4	101.9	124.4	76.6	99.1	121.7	73.6	96.2	118.7	70.5	93.0	115.6		
72		THC	163.4	163.4	163.4	155.7	155.7	155.7	147.6	147.6	147.6	138.8	138.8	138.8	129.3	129.3	129.3		
SHC		60.7	82.8	105.0	58.0	80.3	102.5	55.2	77.5	99.8	52.3	74.6	97.0	49.2	71.5	93.9			
76		THC	—	177.5	177.5	—	169.1	169.1	—	160.4	160.4	—	151.1	151.1	—	140.7	140.7		
SHC		—	65.3	86.0	—	62.8	84.1	—	60.1	81.7	—	57.3	79.1	—	54.2	76.2			
5000 cfm		EA (wb)	58	THC	134.9	134.9	153.4	129.7	129.7	147.5	124.2	124.2	141.2	118.0	118.0	134.3	111.4	111.4	126.7
			SHC	116.4	134.9	153.4	111.9	129.7	147.5	107.1	124.2	141.2	101.8	118.0	134.3	96.1	111.4	126.7	
	62		THC	136.5	136.5	156.6	131.0	131.0	151.8	125.8	125.8	143.2	118.2	118.2	139.8	111.6	111.6	132.0	
	SHC		108.9	132.8	156.6	105.3	128.6	151.8	99.8	121.5	143.2	96.5	118.2	139.8	91.1	111.6	132.0		
	67		THC	150.2	150.2	150.2	143.0	143.0	143.0	135.2	135.2	135.2	126.9	126.9	129.6	117.9	117.9	126.4	
	SHC		87.3	112.6	137.9	84.7	110.0	135.3	81.9	107.2	132.6	78.9	104.2	129.6	75.7	101.1	126.4		
	72	THC	166.9	166.9	166.9	159.0	159.0	159.0	150.5	150.5	150.5	141.4	141.4	141.4	131.6	131.6	131.6		
	SHC	62.8	87.8	112.9	60.1	85.2	110.3	57.3	82.5	107.6	54.3	79.5	104.7	51.1	76.3	101.5			
	76	THC	—	180.8	180.8	—	172.4	172.4	—	163.3	163.3	—	153.5	153.5	—	142.9	142.9		
	SHC	—	67.7	91.8	—	65.2	89.5	—	62.4	87.0	—	59.5	84.2	—	56.3	81.2			
	5650 cfm	EA (wb)	58	THC	140.8	140.8	159.9	135.3	135.3	153.7	129.4	129.4	147.0	123.0	123.0	139.7	115.9	115.9	131.6
			SHC	121.7	140.8	159.9	116.9	135.3	153.7	111.8	129.4	147.0	106.2	123.0	139.7	100.1	115.9	131.6	
62			THC	143.0	143.0	162.2	136.9	136.9	156.6	129.5	129.5	153.0	123.1	123.1	145.4	116.0	116.0	137.0	
SHC			113.5	137.9	162.2	109.4	133.0	156.6	106.1	129.5	153.0	100.8	123.1	145.4	95.0	116.0	137.0		
67			THC	153.2	153.2	153.2	145.8	145.8	146.8	137.8	137.8	144.0	129.3	129.3	140.9	119.9	119.9	137.2	
SHC			92.8	121.1	149.5	90.2	118.5	146.8	87.4	115.7	144.0	84.4	112.7	140.9	81.0	109.1	137.2		
72		THC	169.7	169.7	169.7	161.7	161.7	161.7	153.0	153.0	153.0	143.7	143.7	143.7	133.7	133.7	133.7		
SHC		64.7	92.9	121.0	62.1	90.2	118.4	59.3	87.4	115.6	56.3	84.4	112.6	53.1	81.3	109.4			
76		THC	—	183.8	183.8	—	175.1	175.1	—	165.6	165.6	—	155.6	155.6	—	144.7	144.7		
SHC		—	70.0	97.3	—	67.4	94.9	—	64.6	92.2	—	61.6	89.4	—	58.4	86.2			
6250 cfm		EA (wb)	58	THC	145.6	145.6	165.2	139.8	139.8	158.6	133.6	133.6	151.6	126.8	126.8	143.9	119.3	119.3	135.4
			SHC	125.9	145.6	165.2	120.9	139.8	158.6	115.6	133.6	151.6	109.7	126.8	143.9	103.2	119.3	135.4	
	62		THC	148.5	148.5	165.8	139.9	139.9	165.1	133.7	133.7	157.8	126.9	126.9	149.7	119.5	119.5	141.0	
	SHC		116.8	141.3	165.8	114.8	139.9	165.1	109.7	133.7	157.8	104.1	126.9	149.7	98.0	119.5	141.0		
	67		THC	155.6	155.6	159.8	147.9	147.9	157.3	139.6	139.6	154.2	130.9	130.9	150.7	121.6	121.6	146.7	
	SHC		97.8	128.8	159.8	95.2	126.2	157.3	92.3	123.2	154.2	89.1	119.9	150.7	85.7	116.2	146.7		
	72	THC	172.1	172.1	172.1	163.8	163.8	163.8	154.9	154.9	154.9	145.4	145.4	145.4	135.2	135.2	135.2		
	SHC	66.4	97.3	128.2	63.8	94.7	125.5	60.9	91.8	122.7	58.0	88.8	119.7	54.8	85.7	116.5			
	76	THC	—	186.1	186.1	—	177.2	177.2	—	167.4	167.4	—	156.9	156.9	—	146.1	146.1		
	SHC	—	71.9	102.0	—	69.2	99.5	—	66.3	96.7	—	63.2	93.7	—	60.0	90.5			

LEGEND

- db — dry bulb
- EA — Entering Air (°F)
- SHC — Sensible Heat Capacity (1000 Btuh) gross
- THC — Total Capacity (1000 Btuh) gross
- wb — wet bulb

# Performance data (cont)

569J\*14M/524J\*14A Stage 1 Combination Ratings — 60 Hz

569J*14M/524J*14A			AMBIENT TEMPERATURE (°F)																
			85			95			105			115			125				
			EA (db)			EA (db)			EA (db)			EA (db)			EA (db)				
			75	80	85	75	80	85	75	80	85	75	80	85	75	80	85		
3750 cfm	EA (wb)	58	THC	77.6	77.6	87.9	73.7	73.7	83.7	69.1	69.1	78.5	64.3	64.3	73.3	59.3	59.3	67.8	
			SHC	67.4	77.6	87.9	63.8	73.7	83.7	59.6	69.1	78.5	55.4	64.3	73.3	50.8	59.3	67.8	
		62	THC	77.7	77.7	91.4	73.5	73.5	86.7	69.1	69.1	81.8	64.4	64.4	76.4	59.2	59.2	70.5	
			SHC	64.0	77.7	91.4	60.3	73.5	86.7	56.5	69.1	81.8	52.4	64.4	76.4	47.9	59.2	70.5	
		67	THC	83.0	83.0	83.6	78.1	78.1	81.0	72.6	72.6	78.2	66.8	66.8	75.3	60.7	60.7	72.0	
			SHC	52.2	67.9	83.6	49.6	65.3	81.0	46.8	62.5	78.2	43.9	59.6	75.3	40.8	56.4	72.0	
	72	THC	91.5	91.5	91.5	86.0	86.0	86.0	80.3	80.3	80.3	74.2	74.2	74.2	67.5	67.5	67.5		
		SHC	36.6	52.2	67.8	34.0	49.6	65.2	31.2	46.9	62.5	28.4	44.0	59.6	25.4	41.0	56.6		
	76	THC	—	98.8	98.8	—	93.1	93.1	—	86.8	86.8	—	80.5	80.5	—	73.4	73.4		
		SHC	—	39.4	54.6	—	36.8	52.0	—	34.1	49.4	—	31.3	46.7	—	28.3	43.7		
	4400 cfm	EA (wb)	58	THC	81.5	81.5	92.2	77.1	77.1	87.4	72.6	72.6	82.4	67.4	67.4	76.8	62.0	62.0	70.8
				SHC	70.8	81.5	92.2	66.8	77.1	87.4	62.7	72.6	82.4	58.1	67.4	76.8	53.2	62.0	70.8
62			THC	81.6	81.6	95.9	77.2	77.2	90.9	72.5	72.5	85.7	67.6	67.6	80.1	62.0	62.0	73.7	
			SHC	67.2	81.6	95.9	63.4	77.2	90.9	59.4	72.5	85.7	55.1	67.6	80.1	50.3	62.0	73.7	
67			THC	84.8	84.8	93.4	79.5	79.5	90.5	74.3	74.3	87.5	68.2	68.2	84.1	62.1	62.1	79.6	
			SHC	56.7	75.1	93.4	54.0	72.2	90.5	51.2	69.4	87.5	48.1	66.1	84.1	44.5	62.0	79.6	
72		THC	93.4	93.4	93.4	87.9	87.9	87.9	81.8	81.8	81.8	75.5	75.5	75.5	68.6	68.6	68.6		
		SHC	38.3	56.6	74.9	35.7	54.0	72.3	32.9	51.2	69.4	30.0	48.3	66.6	27.0	45.2	63.5		
76		THC	—	100.5	100.5	—	94.5	94.5	—	88.3	88.3	—	81.4	81.4	—	74.2	74.2		
		SHC	—	41.4	59.3	—	38.8	56.7	—	36.0	54.0	—	33.1	51.1	—	30.1	48.0		
5000 cfm		EA (wb)	58	THC	84.9	84.9	96.0	80.3	80.3	91.0	75.4	75.4	85.6	70.1	70.1	79.7	64.3	64.3	73.3
				SHC	73.8	84.9	96.0	69.7	80.3	91.0	65.2	75.4	85.6	60.4	70.1	79.7	55.2	64.3	73.3
	62		THC	84.9	84.9	99.7	80.3	80.3	94.5	75.4	75.4	89.0	70.1	70.1	83.0	64.4	64.4	76.5	
			SHC	70.1	84.9	99.7	66.1	80.3	94.5	61.8	75.4	89.0	57.2	70.1	83.0	52.3	64.4	76.5	
	67		THC	86.3	86.3	102.9	81.1	81.1	99.3	75.9	75.9	93.7	71.2	71.2	86.9	64.6	64.6	81.7	
			SHC	61.2	82.0	102.9	58.2	78.7	99.3	54.3	74.0	93.7	50.0	68.5	86.9	46.0	63.9	81.7	
	72	THC	94.8	94.8	94.8	89.2	89.2	89.2	83.0	83.0	83.0	76.5	76.5	76.5	69.7	69.7	70.6		
		SHC	40.0	61.1	82.2	37.3	58.4	79.5	34.5	55.6	76.7	31.7	52.7	73.6	28.7	49.7	70.6		
	76	THC	—	102.1	102.1	—	95.7	95.7	—	89.4	89.4	—	82.4	82.4	—	75.2	75.2		
		SHC	—	43.4	64.1	—	40.6	61.3	—	37.9	58.6	—	34.9	55.5	—	31.8	52.4		
	5650 cfm	EA (wb)	58	THC	87.3	87.3	98.7	82.5	82.5	93.4	77.5	77.5	87.9	71.9	71.9	81.8	66.2	66.2	75.4
				SHC	75.9	87.3	98.7	71.6	82.5	93.4	67.1	77.5	87.9	62.1	71.9	81.8	56.9	66.2	75.4
62			THC	87.5	87.5	102.7	82.6	82.6	97.2	77.6	77.6	91.5	72.2	72.2	85.4	66.1	66.1	78.4	
			SHC	72.2	87.5	102.7	68.0	82.6	97.2	63.6	77.6	91.5	59.0	72.2	85.4	53.7	66.1	78.4	
67			THC	88.2	88.2	108.4	82.9	82.9	103.6	77.6	77.6	98.5	72.3	72.3	90.7	66.1	66.1	84.6	
			SHC	64.1	86.2	108.4	60.5	82.0	103.6	56.8	77.6	98.5	51.9	71.3	90.7	47.7	66.1	84.6	
72		THC	95.7	95.7	95.7	90.0	90.0	90.0	83.9	83.9	83.9	77.1	77.1	80.1	70.1	70.1	77.0		
		SHC	41.4	65.0	88.6	38.8	62.3	85.9	36.0	59.6	83.2	33.1	56.6	80.1	30.1	53.6	77.0		
76		THC	—	102.8	102.8	—	96.5	96.5	—	90.0	90.0	—	83.0	83.0	—	75.5	75.5		
		SHC	—	44.8	68.0	—	42.1	65.3	—	39.3	62.4	—	36.3	59.2	—	33.1	56.0		
6250 cfm		EA (wb)	58	THC	89.5	89.5	101.1	84.6	84.6	95.8	79.2	79.2	89.8	73.6	73.6	83.6	67.7	67.7	77.1
				SHC	77.9	89.5	101.1	73.5	84.6	95.8	68.6	79.2	89.8	63.6	73.6	83.6	58.2	67.7	77.1
	62		THC	89.6	89.6	105.1	84.7	84.7	99.6	79.4	79.4	93.6	73.9	73.9	87.4	67.5	67.5	80.1	
			SHC	74.1	89.6	105.1	69.8	84.7	99.6	65.2	79.4	93.6	60.5	73.9	87.4	55.0	67.5	80.1	
	67		THC	91.3	91.3	110.1	84.9	84.9	106.0	79.5	79.5	100.4	73.7	73.7	93.8	67.6	67.6	86.4	
			SHC	65.5	87.8	110.1	62.0	84.0	106.0	58.1	79.2	100.4	53.7	73.7	93.8	48.8	67.6	86.4	
	72	THC	96.6	96.6	96.6	90.6	90.6	92.6	84.4	84.4	89.8	77.7	77.7	86.7	70.6	70.6	83.4		
		SHC	42.9	69.1	95.3	40.2	66.4	92.6	37.5	63.6	89.8	34.7	60.7	86.7	31.7	57.6	83.4		
	76	THC	—	103.6	103.6	—	97.5	97.5	—	90.9	90.9	—	83.7	83.7	—	76.0	76.0		
		SHC	—	46.3	72.1	—	43.6	69.3	—	40.7	66.3	—	37.6	63.0	—	34.4	59.7		

LEGEND

- db — dry bulb
- EA — Entering Air (°F)
- SHC — Sensible Heat Capacity (1000 Btuh) gross
- THC — Total Capacity (1000 Btuh) gross
- wb — wet bulb



# Performance data (cont)

569J\*14T/524J\*14A Stage 3 Combination Ratings — 60 Hz

569J*14T/524J*14A				AMBIENT TEMPERATURE (°F)															
				85			95			105			115			125			
				EA (db)			EA (db)			EA (db)			EA (db)			EA (db)			
				75	80	85	75	80	85	75	80	85	75	80	85	75	80	85	
3750 cfm	EA (wb)	58	THC	120.2	120.2	137.3	116.0	116.0	132.5	111.1	111.1	127.0	105.9	105.9	121.0	100.5	100.5	114.8	
			SHC	103.1	120.2	137.3	99.4	116.0	132.5	95.3	111.1	127.0	90.8	105.9	121.0	86.2	100.5	114.8	
		62	THC	127.5	127.5	130.7	121.6	121.6	128.0	115.1	115.1	125.2	108.4	108.4	122.4	101.7	101.7	117.7	
			SHC	92.6	111.7	130.7	90.0	109.0	128.0	87.3	106.2	125.2	84.5	103.4	122.4	80.7	99.2	117.7	
		67	THC	142.6	142.6	142.6	135.7	135.7	135.7	128.8	128.8	128.8	121.6	121.6	121.6	113.4	113.4	113.4	
			SHC	75.1	94.1	113.1	72.3	91.2	110.1	69.8	88.9	107.9	67.1	86.1	105.0	64.0	83.1	102.1	
	72	THC	158.8	158.8	158.8	151.4	151.4	151.4	143.9	143.9	143.9	135.7	135.7	135.7	126.8	126.8	126.8		
		SHC	57.4	76.0	94.5	54.8	73.5	92.2	52.2	71.0	89.8	49.4	68.1	86.9	46.4	65.2	84.1		
	76	THC	—	172.7	172.7	—	164.8	164.8	—	156.3	156.3	—	148.0	148.0	—	138.2	138.2		
		SHC	—	60.9	81.5	—	58.7	77.2	—	56.2	73.3	—	53.6	71.3	—	50.7	68.9		
	4375 cfm	EA (wb)	58	THC	128.4	128.4	146.4	123.7	123.7	141.0	118.4	118.4	135.0	113.0	113.0	128.8	106.6	106.6	121.5
				SHC	110.4	128.4	146.4	106.4	123.7	141.0	101.8	118.4	135.0	97.2	113.0	128.8	91.7	106.6	121.5
62			THC	132.3	132.3	145.4	126.1	126.1	142.4	119.8	119.8	138.3	113.9	113.9	131.4	107.7	107.7	125.3	
			SHC	101.6	123.5	145.4	98.8	120.6	142.4	95.5	116.9	138.3	90.7	111.1	131.4	86.3	105.8	125.3	
67			THC	147.3	147.3	147.3	140.2	140.2	140.2	133.0	133.0	133.0	125.2	125.2	125.2	116.5	116.5	116.5	
			SHC	80.9	102.8	124.7	78.4	100.4	122.5	75.7	97.7	119.7	72.6	94.5	116.4	69.8	92.0	114.1	
72		THC	163.6	163.6	163.6	156.3	156.3	156.3	148.0	148.0	148.0	139.4	139.4	139.4	130.2	130.2	130.2		
		SHC	60.0	81.7	103.3	57.5	79.1	100.7	54.7	76.5	98.3	51.8	73.6	95.4	48.7	70.5	92.2		
76		THC	—	177.9	177.9	—	169.3	169.3	—	160.4	160.4	—	150.9	150.9	—	141.7	141.7		
		SHC	—	64.3	83.8	—	61.8	82.2	—	59.1	79.9	—	56.3	77.4	—	53.5	74.8		
5000 cfm		EA (wb)	58	THC	134.8	134.8	153.5	129.4	129.4	147.3	124.2	124.2	141.4	118.2	118.2	134.6	111.7	111.7	127.2
				SHC	116.1	134.8	153.5	111.5	129.4	147.3	107.0	124.2	141.4	101.8	118.2	134.6	96.2	111.7	127.2
	62		THC	136.2	136.2	157.2	130.7	130.7	151.2	124.7	124.7	146.4	117.8	117.8	139.9	111.9	111.9	132.5	
			SHC	108.9	133.1	157.2	104.7	127.9	151.2	100.9	123.6	146.4	95.6	117.8	139.9	91.2	111.9	132.5	
	67		THC	150.7	150.7	150.7	143.6	143.6	143.6	135.9	135.9	135.9	127.6	127.6	127.6	119.0	119.0	124.9	
			SHC	86.2	111.1	135.9	83.4	108.1	132.8	80.7	105.3	130.0	77.6	102.3	126.9	75.0	100.0	124.9	
	72	THC	167.2	167.2	167.2	158.8	158.8	158.8	150.5	150.5	150.5	142.0	142.0	142.0	132.4	132.4	132.4		
		SHC	62.1	86.5	110.9	59.3	83.6	108.0	56.6	81.3	106.1	53.8	78.3	102.8	50.7	75.4	100.2		
	76	THC	—	180.9	180.9	—	172.1	172.1	—	163.4	163.4	—	153.8	153.8	—	143.9	143.9		
		SHC	—	66.7	89.7	—	64.1	87.5	—	61.6	85.4	—	58.7	82.8	—	55.8	79.9		
	5625 cfm	EA (wb)	58	THC	140.5	140.5	159.8	135.2	135.2	153.8	129.3	129.3	147.1	123.1	123.1	140.0	116.0	116.0	132.0
				SHC	121.3	140.5	159.8	116.7	135.2	153.8	111.6	129.3	147.1	106.2	123.1	140.0	100.1	116.0	132.0
62			THC	141.0	141.0	164.8	135.7	135.7	157.1	129.3	129.3	153.1	123.2	123.2	145.7	116.3	116.3	137.5	
			SHC	114.2	139.5	164.8	109.1	133.1	157.1	105.5	129.3	153.1	100.7	123.2	145.7	95.0	116.3	137.5	
67			THC	153.9	153.9	153.9	146.4	146.4	146.4	138.4	138.4	141.7	130.4	130.4	138.0	120.7	120.7	134.8	
			SHC	91.6	119.2	146.8	88.9	116.6	144.2	86.2	113.9	141.7	83.0	110.5	138.0	79.8	107.3	134.8	
72		THC	170.3	170.3	170.3	162.2	162.2	162.2	153.3	153.3	153.3	144.3	144.3	144.3	134.5	134.5	134.5		
		SHC	64.1	91.4	118.7	61.5	88.8	116.2	58.6	86.2	113.7	55.7	83.1	110.4	52.6	80.0	107.4		
76		THC	—	183.9	183.9	—	174.5	174.5	—	166.1	166.1	—	155.4	155.4	—	145.8	145.8		
		SHC	—	69.0	95.3	—	66.4	93.0	—	63.8	90.6	—	60.7	87.6	—	57.9	84.8		
6250 cfm		EA (wb)	58	THC	145.2	145.2	164.9	139.7	139.7	158.7	133.4	133.4	151.5	125.9	125.9	143.1	118.7	118.7	134.9
				SHC	125.4	145.2	164.9	120.6	139.7	158.7	115.2	133.4	151.5	108.8	125.9	143.1	102.6	118.7	134.9
	62		THC	145.2	145.2	171.6	139.8	139.8	165.2	133.7	133.7	157.9	126.6	126.6	149.6	119.5	119.5	141.2	
			SHC	118.9	145.2	171.6	114.4	139.8	165.2	109.4	133.7	157.9	103.6	126.6	149.6	97.8	119.5	141.2	
	67		THC	156.2	156.2	156.2	148.6	148.6	153.4	140.3	140.3	150.7	131.6	131.6	147.3	122.8	122.8	143.7	
			SHC	96.0	126.0	156.0	93.3	123.3	153.4	90.5	120.6	150.7	87.4	117.4	147.3	84.2	114.0	143.7	
	72	THC	172.5	172.5	172.5	164.3	164.3	164.3	155.3	155.3	155.3	146.1	146.1	146.1	136.0	136.0	136.0		
		SHC	65.8	95.7	125.6	63.1	93.1	123.1	60.3	90.2	120.2	57.3	87.2	117.0	54.2	84.2	114.1		
	76	THC	—	186.0	186.0	—	177.5	177.5	—	167.2	167.2	—	157.3	157.3	—	147.0	147.0		
		SHC	—	71.0	100.2	—	68.5	97.7	—	65.4	94.7	—	62.6	92.2	—	59.6	89.2		

LEGEND

- db — dry bulb
- EA — Entering Air (°F)
- SHC — Sensible Heat Capacity (1000 Btuh) gross
- THC — Total Capacity (1000 Btuh) gross
- wb — wet bulb



# Performance data (cont)

569J\*14T/524J\*14A Stage 2 Combination Ratings — 60 Hz

569J*14T/524J*14A			AMBIENT TEMPERATURE (°F)																
			85			95			105			115			125				
			EA (db)			EA (db)			EA (db)			EA (db)			EA (db)				
			75	80	85	75	80	85	75	80	85	75	80	85	75	80	85		
3150 cfm	EA (wb)	58	THC	107.3	107.3	120.2	103.2	103.2	115.8	98.5	98.5	111.6	93.7	93.7	106.2	88.3	88.3	100.1	
			SHC	92.3	106.2	120.2	88.8	102.3	115.8	85.4	98.5	111.6	81.2	93.7	106.2	76.6	88.3	100.1	
		62	THC	112.6	112.6	114.7	107.4	107.4	112.0	101.7	101.7	108.6	96.1	96.1	104.6	89.9	89.9	99.9	
			SHC	83.4	99.0	114.7	80.8	96.4	112.0	77.7	93.1	108.6	74.5	89.5	104.6	70.7	85.3	99.9	
		67	THC	124.5	124.5	124.5	118.7	118.7	118.7	112.6	112.6	112.6	105.8	105.8	105.8	98.4	98.4	98.4	
			SHC	68.0	83.5	99.1	65.7	81.2	96.8	63.2	78.8	94.4	60.5	76.1	91.8	57.6	73.3	88.9	
	72	THC	137.5	137.5	137.5	131.4	131.4	131.4	124.6	124.6	124.6	117.2	117.2	117.2	109.1	109.1	109.1		
		SHC	52.7	67.7	82.6	50.4	65.5	80.6	47.8	63.1	78.4	45.1	60.5	75.9	42.2	57.7	73.2		
	76	THC	—	148.8	148.8	—	142.2	142.2	—	135.0	135.0	—	126.9	126.9	—	118.2	118.2		
		SHC	—	54.8	72.1	—	52.3	67.7	—	50.0	65.7	—	47.6	63.6	—	45.0	59.5		
	3750 cfm	EA (wb)	58	THC	113.7	113.7	128.8	109.4	109.4	123.9	104.7	104.7	118.5	99.4	99.4	112.5	93.5	93.5	105.9
				SHC	98.7	113.7	128.8	95.0	109.4	123.9	90.8	104.7	118.5	86.2	99.4	112.5	81.1	93.5	105.9
62			THC	117.4	117.4	124.9	112.0	112.0	122.0	106.5	106.5	118.0	100.4	100.4	114.0	94.0	94.0	109.0	
			SHC	89.6	107.2	124.9	87.0	104.5	122.0	83.7	100.9	118.0	80.3	97.1	114.0	76.6	92.8	109.0	
67			THC	128.7	128.7	128.7	122.6	122.6	122.6	116.1	116.1	116.1	108.9	108.9	108.9	101.2	101.2	101.2	
			SHC	73.0	91.2	109.5	70.6	88.8	107.1	68.0	86.4	104.7	65.3	83.6	102.0	62.4	80.7	99.1	
72		THC	141.8	141.8	141.8	135.2	135.2	135.2	128.1	128.1	128.1	120.4	120.4	120.4	111.9	111.9	111.9		
		SHC	54.6	72.5	90.3	52.3	70.2	88.2	49.7	67.8	85.9	47.0	65.1	83.3	44.0	62.2	80.5		
76		THC	—	153.3	153.3	—	146.2	146.2	—	138.4	138.4	—	130.1	130.1	—	121.0	121.0		
		SHC	—	57.1	75.7	—	55.0	73.7	—	52.6	69.3	—	50.0	67.3	—	47.3	64.9		
4400 cfm		EA (wb)	58	THC	119.8	119.8	135.6	115.1	115.1	130.3	110.0	110.0	124.5	104.3	104.3	118.1	98.1	98.1	111.0
				SHC	104.0	119.8	135.6	100.0	115.1	130.3	95.4	110.0	124.5	90.6	104.3	118.1	85.1	98.1	111.0
	62		THC	121.6	121.6	135.4	116.3	116.3	132.0	110.5	110.5	127.9	104.6	104.6	121.6	98.5	98.5	114.3	
			SHC	96.0	115.7	135.4	93.1	112.6	132.0	89.9	108.9	127.9	85.5	103.5	121.6	80.3	97.3	114.3	
	67		THC	132.0	132.0	132.0	125.7	125.7	125.7	118.8	118.8	118.8	111.5	111.5	112.4	103.3	103.3	109.1	
			SHC	77.9	99.0	120.1	75.5	96.6	117.8	72.9	94.1	115.2	70.1	91.3	112.4	67.0	88.0	109.1	
	72	THC	145.2	145.2	145.2	138.4	138.4	138.4	131.0	131.0	131.0	122.8	122.8	122.8	114.0	114.0	114.0		
		SHC	56.5	77.3	98.1	54.1	74.9	95.8	51.5	72.5	93.4	48.7	69.7	90.7	45.8	66.8	87.8		
	76	THC	—	156.7	156.7	—	149.3	149.3	—	141.2	141.2	—	132.6	132.6	—	123.3	123.3		
		SHC	—	59.5	78.7	—	57.3	77.0	—	54.8	75.0	—	52.2	72.6	—	49.4	70.0		
	5000 cfm	EA (wb)	58	THC	124.4	124.4	140.8	119.5	119.5	135.2	114.1	114.1	129.1	108.0	108.0	122.3	101.5	101.5	114.9
				SHC	108.1	124.4	140.8	103.7	119.5	135.2	99.0	114.1	129.1	93.8	108.0	122.3	88.1	101.5	114.9
62			THC	125.1	125.1	144.4	119.6	119.6	140.2	114.3	114.3	133.5	108.1	108.1	127.1	101.6	101.6	119.4	
			SHC	101.7	123.1	144.4	98.4	119.3	140.2	93.8	113.6	133.5	89.2	108.1	127.1	83.8	101.6	119.4	
67			THC	134.4	134.4	134.4	127.9	127.9	127.9	120.7	120.7	124.3	113.3	113.3	121.3	105.0	105.0	116.5	
			SHC	82.3	105.9	129.6	79.8	103.5	127.1	77.1	100.7	124.3	74.3	97.8	121.3	70.4	93.5	116.5	
72		THC	147.7	147.7	147.7	140.6	140.6	140.6	133.0	133.0	133.0	124.6	124.6	124.6	115.6	115.6	115.6		
		SHC	58.0	81.4	104.8	55.6	79.0	102.5	53.0	76.5	100.0	50.2	73.7	97.3	47.2	70.8	94.3		
76		THC	—	159.1	159.1	—	151.5	151.5	—	143.2	143.2	—	134.4	134.4	—	124.9	124.9		
		SHC	—	61.5	83.8	—	59.1	81.8	—	56.7	79.5	—	54.0	77.1	—	51.2	74.4		
5650 cfm		EA (wb)	58	THC	128.6	128.6	145.4	123.4	123.4	139.6	117.7	117.7	133.2	111.5	111.5	126.1	104.6	104.6	118.3
				SHC	111.7	128.6	145.4	107.2	123.4	139.6	102.3	117.7	133.2	96.8	111.5	126.1	90.8	104.6	118.3
	62		THC	129.3	129.3	149.4	124.0	124.0	143.3	117.8	117.8	138.4	111.6	111.6	131.1	104.7	104.7	123.0	
			SHC	105.4	127.4	149.4	101.0	122.1	143.3	97.2	117.8	138.4	92.0	111.6	131.1	86.3	104.7	123.0	
	67		THC	136.4	136.4	139.2	129.8	129.8	136.5	122.5	122.5	133.2	114.7	114.7	129.3	106.9	106.9	123.6	
			SHC	86.7	113.0	139.2	84.2	110.3	136.5	81.2	107.2	133.2	77.9	103.6	129.3	73.8	98.7	123.6	
	72	THC	149.8	149.8	149.8	142.5	142.5	142.5	134.7	134.7	134.7	126.1	126.1	126.1	116.9	116.9	116.9		
		SHC	59.5	85.6	111.7	57.1	83.2	109.4	54.5	80.7	106.9	51.7	77.9	104.1	48.7	74.9	101.1		
	76	THC	—	161.2	161.2	—	153.4	153.4	—	145.0	145.0	—	136.0	136.0	—	126.2	126.2		
		SHC	—	63.3	88.5	—	60.9	86.4	—	58.4	84.1	—	55.7	81.5	—	52.8	78.7		

LEGEND

- db — dry bulb
- EA — Entering Air (°F)
- SHC — Sensible Heat Capacity (1000 Btuh) gross
- THC — Total Capacity (1000 Btuh) gross
- wb — wet bulb

# Performance data (cont)

569J\*14T/524J\*14A Stage 1 Combination Ratings — 60 Hz

569J*14T/524J*14A			AMBIENT TEMPERATURE (°F)																
			85			95			105			115			125				
			EA (db)			EA (db)			EA (db)			EA (db)			EA (db)				
			75	80	85	75	80	85	75	80	85	75	80	85	75	80	85		
3150 cfm	EA (wb)	58	THC	46.3	46.3	58.6	44.6	44.6	56.5	42.6	42.6	53.9	40.3	40.3	51.1	37.7	37.7	47.7	
			SHC	34.0	46.3	58.6	32.8	44.6	56.5	31.3	42.6	53.9	29.6	40.3	51.1	27.6	37.7	47.7	
		62	THC	47.8	47.8	59.3	45.6	45.6	58.2	43.0	43.0	56.9	40.5	40.5	54.9	38.0	38.0	50.5	
			SHC	29.6	44.4	59.3	28.6	43.4	58.2	27.4	42.2	56.9	26.1	40.5	54.9	24.2	37.3	50.5	
		67	THC	53.3	53.3	53.3	50.7	50.7	50.7	47.8	47.8	49.6	44.7	44.7	48.5	41.2	41.2	47.4	
			SHC	22.0	36.8	51.7	21.0	35.8	50.6	19.9	34.8	49.6	18.7	33.6	48.5	17.5	32.4	47.4	
	72	THC	59.2	59.2	59.2	56.4	56.4	56.4	53.3	53.3	53.3	49.8	49.8	49.8	46.1	46.1	46.1		
		SHC	14.6	29.1	43.5	13.5	28.1	42.7	12.4	27.0	41.7	11.2	25.9	40.6	9.8	24.6	39.4		
	76	THC	—	64.2	64.2	—	61.3	61.3	—	57.8	57.8	—	54.5	54.5	—	50.2	50.2		
		SHC	—	22.5	39.9	—	21.7	34.2	—	20.5	33.5	—	19.6	33.5	—	18.4	32.7		
	3750 cfm	EA (wb)	58	THC	49.2	49.2	62.2	47.2	47.2	59.7	45.2	45.2	57.1	42.6	42.6	53.8	39.9	39.9	50.4
				SHC	36.3	49.2	62.2	34.8	47.2	59.7	33.2	45.2	57.1	31.3	42.6	53.8	29.3	39.9	50.4
62			THC	49.7	49.7	65.6	48.0	48.0	62.5	45.2	45.2	61.1	42.7	42.7	57.8	40.1	40.1	54.2	
			SHC	31.9	48.7	65.6	30.5	46.5	62.5	29.3	45.2	61.1	27.7	42.7	57.8	25.9	40.1	54.2	
67			THC	54.8	54.8	58.2	52.2	52.2	56.7	49.2	49.2	55.7	46.0	46.0	54.4	42.5	42.5	52.9	
			SHC	23.1	40.7	58.2	22.0	39.4	56.7	21.0	38.3	55.7	19.8	37.1	54.4	18.5	35.7	52.9	
72		THC	60.7	60.7	60.7	57.9	57.9	57.9	54.5	54.5	54.5	51.0	51.0	51.0	47.2	47.2	47.2		
		SHC	14.1	31.0	47.8	13.1	29.9	46.7	11.9	28.9	45.9	10.6	28.0	45.4	9.4	26.7	44.0		
76		THC	—	66.1	66.1	—	62.9	62.9	—	59.0	59.0	—	55.5	55.5	—	51.4	51.4		
		SHC	—	23.6	39.1	—	22.7	38.7	—	21.5	37.8	—	20.5	37.2	—	19.2	36.2		
4400 cfm		EA (wb)	58	THC	51.9	51.9	65.5	49.8	49.8	62.9	47.5	47.5	60.0	44.8	44.8	56.7	42.0	42.0	53.1
				SHC	38.3	51.9	65.5	36.8	49.8	62.9	35.0	47.5	60.0	33.0	44.8	56.7	30.9	42.0	53.1
	62		THC	51.9	51.9	70.0	49.8	49.8	67.2	47.7	47.7	64.4	44.9	44.9	60.6	41.8	41.8	56.5	
			SHC	33.8	51.9	70.0	32.4	49.8	67.2	31.0	47.7	64.4	29.1	44.9	60.6	27.1	41.8	56.5	
	67		THC	56.2	56.2	63.8	53.3	53.3	62.6	50.4	50.4	62.1	47.0	47.0	60.2	43.2	43.2	59.3	
			SHC	24.1	43.9	63.8	23.0	42.8	62.6	22.1	42.1	62.1	20.8	40.5	60.2	19.6	39.5	59.3	
	72	THC	62.0	62.0	62.0	59.0	59.0	59.0	55.7	55.7	55.7	52.1	52.1	52.1	48.1	48.1	48.5		
		SHC	13.5	33.1	52.7	12.4	32.3	52.1	11.3	31.1	51.0	10.1	30.0	49.9	8.8	28.7	48.5		
	76	THC	—	67.5	67.5	—	64.0	64.0	—	60.4	60.4	—	56.6	56.6	—	52.0	52.0		
		SHC	—	24.4	43.0	—	23.4	42.5	—	22.4	41.6	—	21.3	40.8	—	20.0	39.7		
	5000 cfm	EA (wb)	58	THC	53.7	53.7	67.8	51.6	51.6	65.1	49.2	49.2	62.1	46.5	46.5	58.7	43.3	43.3	54.6
				SHC	39.7	53.7	67.8	38.1	51.6	65.1	36.3	49.2	62.1	34.3	46.5	58.7	31.9	43.3	54.6
62			THC	53.9	53.9	72.6	51.6	51.6	69.6	49.0	49.0	66.1	46.5	46.5	62.7	43.3	43.3	58.4	
			SHC	35.1	53.9	72.6	33.7	51.6	69.6	31.9	49.0	66.1	30.3	46.5	62.7	28.1	43.3	58.4	
67			THC	57.2	57.2	69.4	54.3	54.3	68.9	51.1	51.1	67.0	47.6	47.6	65.7	43.9	43.9	64.2	
			SHC	25.0	47.2	69.4	24.1	46.5	68.9	22.9	45.0	67.0	21.8	43.8	65.7	20.6	42.4	64.2	
72		THC	63.1	63.1	63.1	60.0	60.0	60.0	56.6	56.6	56.6	52.8	52.8	53.9	48.7	48.7	52.6		
		SHC	12.9	35.0	57.1	11.9	34.0	56.1	10.7	32.9	55.1	9.5	31.7	53.9	8.3	30.4	52.6		
76		THC	—	68.1	68.1	—	64.7	64.7	—	61.2	61.2	—	57.1	57.1	—	53.1	53.1		
		SHC	—	25.0	46.3	—	24.0	45.8	—	22.9	44.6	—	21.8	43.7	—	20.6	42.6		
5650 cfm		EA (wb)	58	THC	55.2	55.2	69.5	53.2	53.2	67.1	50.7	50.7	64.0	47.4	47.4	59.8	44.2	44.2	55.8
				SHC	40.8	55.2	69.5	39.4	53.2	67.1	37.5	50.7	64.0	35.0	47.4	59.8	32.7	44.2	55.8
	62		THC	55.7	55.7	75.0	53.3	53.3	71.8	50.5	50.5	68.0	47.8	47.8	64.5	44.5	44.5	60.0	
			SHC	36.4	55.7	75.0	34.8	53.3	71.8	32.9	50.5	68.0	31.2	47.8	64.5	29.0	44.5	60.0	
	67		THC	58.1	58.1	74.8	55.1	55.1	73.5	51.8	51.8	72.4	48.3	48.3	70.5	45.2	45.2	65.6	
			SHC	26.0	50.4	74.8	25.0	49.2	73.5	23.9	48.2	72.4	22.7	46.6	70.5	21.1	43.3	65.6	
	72	THC	64.0	64.0	64.0	60.8	60.8	60.8	57.2	57.2	59.2	53.4	53.4	58.0	49.2	49.2	56.6		
		SHC	12.2	36.6	61.1	11.2	35.8	60.3	10.1	34.6	59.2	8.9	33.4	58.0	7.7	32.1	56.6		
	76	THC	—	69.2	69.2	—	65.9	65.9	—	61.9	61.9	—	57.8	57.8	—	53.3	53.3		
		SHC	—	25.4	49.4	—	24.5	48.5	—	23.4	47.7	—	22.2	46.6	—	20.9	45.4		

LEGEND

- db — dry bulb
- EA — Entering Air (°F)
- SHC — Sensible Heat Capacity (1000 Btuh) gross
- THC — Total Capacity (1000 Btuh) gross
- wb — wet bulb

# Performance data (cont)

569J\*16A/524J\*16A Stage 2 Combination Ratings — 60 Hz

569J*16A/524J*16A				AMBIENT TEMPERATURE (°F)															
				85			95			105			115			125			
				EA (db)			EA (db)			EA (db)			EA (db)			EA (db)			
				75	80	85	75	80	85	75	80	85	75	80	85	75	80	85	
4500 cfm	EA (wb)	58	THC	155.2	155.2	168.9	146.6	146.6	169.0	140.8	140.8	162.3	134.7	134.7	155.2	128.1	128.1	147.6	
			SHC	126.1	147.5	168.9	124.3	146.6	169.0	119.4	140.8	162.3	114.2	134.7	155.2	108.6	128.1	147.6	
		62	THC	165.9	165.9	165.9	158.2	158.2	158.4	150.1	150.1	155.0	141.5	141.5	151.3	132.4	132.4	147.4	
			SHC	113.6	137.7	161.7	110.4	134.4	158.4	107.0	131.0	155.0	103.4	127.3	151.3	99.6	123.5	147.4	
		67	THC	187.3	187.3	187.3	178.9	178.9	178.9	170.0	170.0	170.0	160.4	160.4	160.4	150.2	150.2	150.2	
			SHC	92.8	117.0	141.1	89.6	113.7	137.9	86.2	110.4	134.5	82.7	106.8	130.9	79.0	103.1	127.2	
	72	THC	210.6	210.6	210.6	201.4	201.4	201.4	191.6	191.6	191.6	181.2	181.2	181.2	170.0	170.0	170.0		
		SHC	71.6	95.9	120.3	68.4	92.8	117.1	65.1	89.4	113.7	61.6	85.9	110.1	57.9	82.2	106.4		
	76	THC	—	230.5	230.5	—	220.6	220.6	—	210.0	210.0	—	198.8	198.8	—	186.6	186.6		
		SHC	—	78.8	103.5	—	75.6	100.4	—	72.3	97.1	—	68.9	93.6	—	65.2	89.9		
	5250 cfm	EA (wb)	58	THC	164.0	164.0	188.4	158.0	158.0	181.5	151.6	151.6	174.2	144.8	144.8	166.4	137.4	137.4	157.9
				SHC	139.5	164.0	188.4	134.4	158.0	181.5	129.0	151.6	174.2	123.2	144.8	166.4	117.0	137.4	157.9
62			THC	173.0	173.0	181.0	164.9	164.9	177.5	156.4	156.4	173.7	147.4	147.4	169.5	138.1	138.1	164.3	
			SHC	125.5	153.2	181.0	122.1	149.8	177.5	118.5	146.1	173.7	114.6	142.0	169.5	110.2	137.3	164.3	
67			THC	194.7	194.7	194.7	185.7	185.7	185.7	176.1	176.1	176.1	166.0	166.0	166.0	155.1	155.1	155.1	
			SHC	100.7	128.7	156.6	97.4	125.3	153.3	93.9	121.8	149.8	90.2	118.1	146.1	86.4	114.3	142.2	
72		THC	218.2	218.2	218.2	208.5	208.5	208.5	198.1	198.1	198.1	186.9	186.9	186.9	175.1	175.1	175.1		
		SHC	75.4	103.6	131.8	72.2	100.3	128.4	68.7	96.8	124.9	65.0	93.1	121.2	61.2	89.3	117.4		
76		THC	—	238.3	238.3	—	227.8	227.8	—	216.6	216.6	—	204.7	204.7	—	191.8	191.8		
		SHC	—	83.3	112.2	—	80.0	108.7	—	76.5	105.1	—	72.9	101.4	—	69.0	97.5		
6000 cfm		EA (wb)	58	THC	174.0	174.0	199.5	167.5	167.5	192.0	160.6	160.6	184.1	153.2	153.2	175.6	145.3	145.3	166.5
				SHC	148.5	174.0	199.5	143.0	167.5	192.0	137.1	160.6	184.1	130.8	153.2	175.6	124.0	145.3	166.5
	62		THC	179.1	179.1	199.2	170.6	170.6	195.1	162.4	162.4	189.1	153.4	153.4	183.3	145.5	145.5	173.8	
			SHC	136.7	168.0	199.2	132.9	164.0	195.1	128.2	158.7	189.1	123.6	153.4	183.3	117.2	145.5	173.8	
	67		THC	200.3	200.3	200.3	190.9	190.9	190.9	180.8	180.8	180.8	170.2	170.2	170.2	158.9	158.9	158.9	
			SHC	108.1	139.8	171.5	104.6	136.3	168.0	101.0	132.7	164.4	97.3	129.0	160.6	93.4	125.0	156.6	
	72	THC	224.1	224.1	224.1	213.9	213.9	213.9	203.0	203.0	203.0	191.4	191.4	191.4	178.9	178.9	178.9		
		SHC	78.7	110.6	142.5	75.3	107.2	139.1	71.7	103.6	135.5	68.0	99.9	131.7	64.1	95.9	127.8		
	76	THC	—	244.3	244.3	—	233.3	233.3	—	221.7	221.7	—	209.2	209.2	—	195.8	195.8		
		SHC	—	87.0	119.5	—	83.6	116.1	—	80.1	112.5	—	76.3	108.6	—	72.4	104.6		
	6750 cfm	EA (wb)	58	THC	182.6	182.6	209.0	175.7	175.7	201.1	168.3	168.3	192.6	160.3	160.3	183.5	151.8	151.8	173.8
				SHC	156.2	182.6	209.0	150.3	175.7	201.1	143.9	168.3	192.6	137.2	160.3	183.5	129.9	151.8	173.8
62			THC	184.3	184.3	215.4	176.0	176.0	209.8	168.5	168.5	200.9	160.6	160.6	191.4	152.1	152.1	181.3	
			SHC	146.7	181.0	215.4	142.2	176.0	209.8	136.1	168.5	200.9	129.7	160.6	191.4	122.9	152.1	181.3	
67			THC	204.8	204.8	204.8	195.0	195.0	195.0	184.6	184.6	184.6	173.6	173.6	174.6	162.0	162.0	170.4	
			SHC	115.0	150.4	185.8	111.5	146.9	182.3	107.9	143.2	178.6	104.0	139.3	174.6	100.0	135.2	170.4	
72		THC	228.8	228.8	228.8	218.2	218.2	218.2	206.8	206.8	206.8	194.8	194.8	194.8	182.0	182.0	182.0		
		SHC	81.5	117.2	152.8	78.1	113.7	149.3	74.5	110.1	145.7	70.7	106.3	141.8	66.7	102.2	137.8		
76		THC	—	249.1	249.1	—	237.7	237.7	—	225.6	225.6	—	212.8	212.8	—	199.0	199.0		
		SHC	—	90.3	126.5	—	86.9	123.0	—	83.2	119.3	—	79.4	115.4	—	75.4	111.3		
7500 cfm		EA (wb)	58	THC	190.0	190.0	217.1	182.7	182.7	208.8	174.8	174.8	199.8	166.4	166.4	190.2	157.5	157.5	180.0
				SHC	162.8	190.0	217.1	156.6	182.7	208.8	149.8	174.8	199.8	142.7	166.4	190.2	135.0	157.5	180.0
	62		THC	192.7	192.7	218.5	182.9	182.9	217.7	175.0	175.0	208.3	166.7	166.7	198.3	157.6	157.6	187.6	
			SHC	150.4	184.5	218.5	148.1	182.9	217.7	141.8	175.0	208.3	135.0	166.7	198.3	127.7	157.6	187.6	
	67		THC	208.5	208.5	208.5	198.4	198.4	198.4	187.7	187.7	192.2	176.5	176.5	188.1	164.6	164.6	183.6	
			SHC	121.6	160.6	199.7	118.1	157.1	196.0	114.4	153.3	192.2	110.5	149.3	188.1	106.4	145.0	183.6	
	72	THC	232.6	232.6	232.6	221.6	221.6	221.6	210.0	210.0	210.0	197.7	197.7	197.7	184.5	184.5	184.5		
		SHC	84.1	123.4	162.7	80.6	119.9	159.1	76.9	116.2	155.4	73.1	112.3	151.6	69.1	108.3	147.5		
	76	THC	—	253.0	253.0	—	241.3	241.3	—	228.9	228.9	—	215.7	215.7	—	201.6	201.6		
		SHC	—	93.3	133.1	—	89.7	129.5	—	86.1	125.8	—	82.2	121.8	—	78.1	117.7		

LEGEND

- db — dry bulb
- EA — Entering Air (°F)
- SHC — Sensible Heat Capacity (1000 Btuh) gross
- THC — Total Capacity (1000 Btuh) gross
- wb — wet bulb

# Performance data (cont)

569J\*16A/524J\*16A Stage 1 Combination Ratings — 60 Hz

569J*16A/524J*16A				AMBIENT TEMPERATURE (°F)															
				85			95			105			115			125			
				EA (db)			EA (db)			EA (db)			EA (db)			EA (db)			
				75	80	85	75	80	85	75	80	85	75	80	85	75	80	85	
3750 cfm	EA (wb)	58	THC	102.6	102.6	117.0	95.7	95.7	109.6	88.6	88.6	101.9	81.1	81.1	93.8	73.2	73.2	85.2	
			SHC	88.1	102.6	117.0	81.8	95.7	109.6	75.3	88.6	101.9	68.4	81.1	93.8	61.2	73.2	85.2	
		62	THC	102.7	102.7	121.9	95.9	95.9	114.4	88.8	88.8	106.5	81.2	81.2	98.1	73.3	73.3	89.2	
			SHC	83.5	102.7	121.9	77.4	95.9	114.4	71.0	88.8	106.5	64.4	81.2	98.1	57.4	73.3	89.2	
		67	THC	112.4	112.4	112.4	104.1	104.1	104.1	95.4	95.4	97.0	86.4	86.4	92.0	76.8	76.8	86.8	
			SHC	65.6	86.2	106.8	60.8	81.4	102.0	55.9	76.4	97.0	50.9	71.4	92.0	45.7	66.3	86.8	
	72	THC	125.2	125.2	125.2	116.5	116.5	116.5	107.3	107.3	107.3	97.6	97.6	97.6	87.4	87.4	87.4		
		SHC	45.3	66.0	86.6	40.5	61.1	81.7	35.5	56.0	76.6	30.4	51.0	71.6	25.1	45.7	66.3		
	76	THC	—	136.2	136.2	—	127.2	127.2	—	117.6	117.6	—	107.5	107.5	—	96.9	96.9		
		SHC	—	49.7	70.3	—	44.8	65.4	—	39.8	60.4	—	34.6	55.3	—	29.3	50.0		
	4500 cfm	EA (wb)	58	THC	109.4	109.4	124.6	102.3	102.3	116.9	94.7	94.7	108.6	86.7	86.7	100.0	78.3	78.3	90.8
				SHC	94.2	109.4	124.6	87.7	102.3	116.9	80.7	94.7	108.6	73.4	86.7	100.0	65.7	78.3	90.8
62			THC	109.6	109.6	129.8	102.5	102.5	121.9	94.8	94.8	113.4	86.8	86.8	104.5	78.4	78.4	95.0	
			SHC	89.3	109.6	129.8	83.0	102.5	121.9	76.2	94.8	113.4	69.1	86.8	104.5	61.7	78.4	95.0	
67			THC	115.5	115.5	122.1	107.0	107.0	117.3	98.1	98.1	112.4	88.7	88.7	107.3	78.9	78.9	102.0	
			SHC	72.9	97.5	122.1	68.1	92.7	117.3	63.2	87.8	112.4	58.2	82.7	107.3	53.0	77.5	102.0	
72		THC	128.4	128.4	128.4	119.4	119.4	119.4	110.0	110.0	110.0	100.0	100.0	100.0	89.4	89.4	89.4		
		SHC	47.8	72.5	97.3	42.9	67.6	92.3	37.9	62.6	87.3	32.7	57.4	82.2	27.4	52.1	76.9		
76		THC	—	139.7	139.7	—	130.3	130.3	—	120.4	120.4	—	110.0	110.0	—	99.1	99.1		
		SHC	—	52.4	77.2	—	47.5	72.2	—	42.4	67.2	—	37.2	61.9	—	31.8	56.5		
5250 cfm		EA (wb)	58	THC	115.1	115.1	130.9	107.5	107.5	122.7	99.6	99.6	114.1	91.1	91.1	104.9	82.2	82.2	95.2
				SHC	99.2	115.1	130.9	92.3	107.5	122.7	85.0	99.6	114.1	77.4	91.1	104.9	69.3	82.2	95.2
	62		THC	115.1	115.1	136.1	107.6	107.6	127.8	99.7	99.7	119.0	91.2	91.2	109.5	82.3	82.3	99.6	
			SHC	94.0	115.1	136.1	87.3	107.6	127.8	80.4	99.7	119.0	72.9	91.2	109.5	65.1	82.3	99.6	
	67		THC	117.8	117.8	137.3	109.2	109.2	132.5	100.1	100.1	127.2	91.4	91.4	118.8	82.5	82.5	108.2	
			SHC	80.1	108.7	137.3	75.3	103.9	132.5	70.4	98.8	127.2	64.0	91.4	118.8	56.7	82.5	108.2	
	72	THC	130.7	130.7	130.7	121.5	121.5	121.5	111.8	111.8	111.8	101.6	101.6	101.6	90.8	90.8	90.8		
		SHC	49.9	78.8	107.6	45.0	73.8	102.7	40.0	68.8	97.6	34.9	63.6	92.4	29.6	58.4	87.1		
	76	THC	—	142.2	142.2	—	132.6	132.6	—	122.5	122.5	—	111.9	111.9	—	100.7	100.7		
		SHC	—	54.7	83.6	—	49.7	78.6	—	44.5	73.4	—	39.3	68.2	—	33.8	62.6		
	6000 cfm	EA (wb)	58	THC	119.6	119.6	135.9	111.7	111.7	127.4	103.4	103.4	118.3	94.6	94.6	108.8	85.5	85.5	98.8
				SHC	103.3	119.6	135.9	96.1	111.7	127.4	88.4	103.4	118.3	80.5	94.6	108.8	72.1	85.5	98.8
62			THC	119.6	119.6	141.3	111.7	111.7	132.5	103.6	103.6	123.4	94.8	94.8	113.6	85.5	85.5	103.3	
			SHC	97.9	119.6	141.3	90.9	111.7	132.5	83.7	103.6	123.4	76.0	94.8	113.6	67.8	85.5	103.3	
67			THC	119.9	119.9	151.6	111.9	111.9	143.0	103.7	103.7	133.4	94.9	94.9	123.0	85.7	85.7	112.1	
			SHC	87.1	119.4	151.6	80.8	111.9	143.0	74.0	103.7	133.4	66.8	94.9	123.0	59.2	85.7	112.1	
72		THC	132.4	132.4	132.4	123.1	123.1	123.1	113.2	113.2	113.2	102.8	102.8	102.8	91.9	91.9	97.3		
		SHC	52.0	84.8	117.7	47.1	79.9	112.7	42.1	74.9	107.7	37.1	69.8	102.6	32.0	64.6	97.3		
76		THC	—	144.0	144.0	—	134.3	134.3	—	124.0	124.0	—	113.2	113.2	—	101.9	101.9		
		SHC	—	56.6	89.6	—	51.5	84.4	—	46.3	79.2	—	40.9	73.7	—	35.3	67.8		
6750 cfm		EA (wb)	58	THC	123.1	123.1	139.9	115.1	115.1	131.1	106.6	106.6	121.9	97.6	97.6	112.1	88.1	88.1	101.7
				SHC	106.4	123.1	139.9	99.0	115.1	131.1	91.3	106.6	121.9	83.1	97.6	112.1	74.5	88.1	101.7
	62		THC	123.3	123.3	145.5	115.4	115.4	136.7	106.8	106.8	127.2	97.7	97.7	116.9	88.2	88.2	106.3	
			SHC	101.0	123.3	145.5	94.0	115.4	136.7	86.5	106.8	127.2	78.4	97.7	116.9	70.1	88.2	106.3	
	67		THC	123.4	123.4	156.7	115.3	115.3	147.2	106.8	106.8	137.2	97.8	97.8	126.6	88.3	88.3	115.3	
			SHC	90.2	123.4	156.7	83.5	115.3	147.2	76.5	106.8	137.2	69.1	97.8	126.6	61.3	88.3	115.3	
	72	THC	133.7	133.7	133.7	124.3	124.3	124.3	114.2	114.2	117.8	103.7	103.7	112.9	92.7	92.7	108.1		
		SHC	54.1	90.9	127.7	49.2	86.0	122.8	44.4	81.1	117.8	39.5	76.2	112.9	34.7	71.4	108.1		
	76	THC	—	145.5	145.5	—	135.6	135.6	—	125.2	125.2	—	114.3	114.3	—	102.9	102.9		
		SHC	—	58.0	94.9	—	52.8	89.6	—	47.5	84.2	—	41.9	78.4	—	36.1	72.3		

LEGEND

- db — dry bulb
- EA — Entering Air (°F)
- SHC — Sensible Heat Capacity (1000 Btuh) gross
- THC — Total Capacity (1000 Btuh) gross
- wb — wet bulb

# Performance data (cont)

569J\*16T/524J\*16A Stage 3 Combination Ratings — 60 Hz

569J*16T/524J*16A			AMBIENT TEMPERATURE (°F)																
			85			95			105			115			125				
			EA (db)			EA (db)			EA (db)			EA (db)			EA (db)				
			75	80	85	75	80	85	75	80	85	75	80	85	75	80	85		
4500 cfm	EA (wb)	58	THC	167.6	167.6	185.4	161.3	161.3	180.5	154.6	154.6	174.8	147.9	147.9	167.2	140.7	140.7	159.1	
			SHC	143.3	164.4	185.4	139.1	159.8	180.5	134.4	154.6	174.8	128.6	147.9	167.2	122.3	140.7	159.1	
		62	THC	177.9	177.9	177.9	170.1	170.1	170.4	166.5	166.5	166.5	153.3	153.3	162.7	144.1	144.1	158.2	
			SHC	128.6	151.2	173.9	125.1	147.8	170.4	118.5	139.9	161.3	117.4	140.0	162.7	113.2	135.7	158.2	
		67	THC	195.6	195.6	195.6	187.3	187.3	187.3	178.3	178.3	178.3	168.8	168.8	168.8	158.7	158.7	158.7	
			SHC	105.8	128.2	150.7	102.4	124.9	147.5	98.7	121.4	144.0	94.9	117.7	140.4	91.0	113.8	136.6	
	72	THC	215.9	215.9	215.9	206.7	206.7	206.7	196.9	196.9	196.9	186.4	186.4	186.4	175.3	175.3	175.3		
		SHC	83.4	105.1	126.7	79.8	101.8	123.7	76.1	98.2	120.4	72.2	94.5	116.9	68.1	90.6	113.2		
	76	THC	—	233.6	233.6	—	223.7	223.7	—	212.9	212.9	—	201.6	201.6	—	189.4	189.4		
		SHC	—	85.1	109.9	—	81.9	106.6	—	78.9	103.7	—	75.5	95.0	—	71.7	92.8		
	5350 cfm	EA (wb)	58	THC	176.0	176.0	198.9	169.7	169.7	191.8	163.0	163.0	184.2	155.8	155.8	176.1	148.0	148.0	167.3
				SHC	153.1	176.0	198.9	147.6	169.7	191.8	141.8	163.0	184.2	135.5	155.8	176.1	128.7	148.0	167.3
62			THC	183.7	183.7	190.5	175.6	175.6	186.8	166.9	166.9	182.7	158.1	158.1	177.9	148.9	148.9	171.5	
			SHC	138.5	164.5	190.5	134.9	160.8	186.8	130.9	156.8	182.7	126.6	152.3	177.9	121.3	146.4	171.5	
67			THC	201.7	201.7	201.7	192.9	192.9	192.9	183.4	183.4	183.4	173.4	173.4	173.4	162.9	162.9	162.9	
			SHC	112.3	138.3	164.3	108.8	134.9	161.0	105.1	131.2	157.4	101.2	127.5	153.7	97.2	123.5	149.8	
72		THC	222.2	222.2	222.2	212.5	212.5	212.5	202.1	202.1	202.1	191.1	191.1	191.1	179.4	179.4	179.4		
		SHC	85.8	111.3	136.8	82.2	107.9	133.6	78.4	104.3	130.1	74.5	100.5	126.5	70.4	96.5	122.6		
76		THC	—	240.0	240.0	—	229.4	229.4	—	218.3	218.3	—	206.4	206.4	—	193.5	193.5		
		SHC	—	88.8	117.7	—	85.7	107.4	—	82.2	105.9	—	78.5	103.0	—	74.5	99.7		
6000 cfm		EA (wb)	58	THC	183.9	183.9	207.9	177.3	177.3	200.4	170.0	170.0	192.2	162.4	162.4	183.5	154.2	154.2	174.3
				SHC	160.0	183.9	207.9	154.2	177.3	200.4	147.9	170.0	192.2	141.3	162.4	183.5	134.2	154.2	174.3
	62		THC	188.4	188.4	206.1	180.1	180.1	201.6	171.5	171.5	196.0	163.6	163.6	187.6	156.3	156.3	173.7	
			SHC	147.8	176.9	206.1	143.7	172.7	201.6	139.0	167.5	196.0	132.9	160.3	187.6	124.0	148.9	173.7	
	67		THC	206.5	206.5	206.5	197.3	197.3	197.3	187.4	187.4	187.4	177.0	177.0	177.0	166.0	166.0	166.0	
			SHC	118.3	147.8	177.3	114.8	144.4	173.9	111.1	140.7	170.4	107.2	136.8	166.5	103.1	132.7	162.4	
	72	THC	227.1	227.1	227.1	217.0	217.0	217.0	206.2	206.2	206.2	194.7	194.7	194.7	182.5	182.5	182.5		
		SHC	88.0	117.1	146.2	84.4	113.7	142.9	80.6	110.0	139.4	76.6	106.1	135.6	72.4	102.0	131.6		
	76	THC	—	244.9	244.9	—	234.0	234.0	—	222.3	222.3	—	210.0	210.0	—	197.0	197.0		
		SHC	—	91.9	118.1	—	88.5	115.7	—	84.9	112.8	—	81.1	109.6	—	77.1	106.0		
	6750 cfm	EA (wb)	58	THC	190.8	190.8	215.5	183.8	183.8	207.6	176.2	176.2	199.1	168.1	168.1	189.9	159.4	159.4	180.1
				SHC	166.0	190.8	215.5	159.9	183.8	207.6	153.3	176.2	199.1	146.2	168.1	189.9	138.7	159.4	180.1
62			THC	192.8	192.8	218.6	184.7	184.7	213.0	178.8	178.8	196.7	168.7	168.7	195.3	159.6	159.6	187.1	
			SHC	155.4	187.0	218.6	150.8	181.9	213.0	140.9	168.8	196.7	138.1	166.7	195.3	132.0	159.6	187.1	
67			THC	210.4	210.4	210.4	200.8	200.8	200.8	190.7	190.7	190.7	183.1	183.1	183.1	168.5	168.5	174.5	
			SHC	124.2	157.0	189.9	120.6	153.5	186.5	116.8	149.8	182.8	111.4	142.1	172.8	108.6	141.6	174.5	
72		THC	231.1	231.1	231.1	220.6	220.6	220.6	209.4	209.4	209.4	197.5	197.5	197.5	185.0	185.0	185.0		
		SHC	90.0	122.6	155.2	86.4	119.1	151.8	82.5	115.3	148.1	78.5	111.4	144.3	74.3	107.2	140.2		
76		THC	—	249.0	249.0	—	237.6	237.6	—	225.6	225.6	—	213.0	213.0	—	199.2	199.2		
		SHC	—	94.4	125.1	—	90.9	122.2	—	87.3	119.0	—	83.5	115.6	—	79.3	111.7		
7500 cfm		EA (wb)	58	THC	196.7	196.7	222.2	189.3	189.3	213.8	181.4	181.4	204.9	172.9	172.9	195.3	163.8	163.8	185.1
				SHC	171.2	196.7	222.2	164.7	189.3	213.8	157.9	181.4	204.9	150.5	172.9	195.3	142.6	163.8	185.1
	62		THC	197.9	197.9	226.5	191.3	191.3	214.8	181.6	181.6	212.9	173.1	173.1	202.9	164.0	164.0	192.3	
			SHC	160.7	193.6	226.5	153.1	183.9	214.8	150.2	181.6	212.9	143.2	173.1	202.9	135.7	164.0	192.3	
	67		THC	213.5	213.5	213.5	203.7	203.7	203.7	193.2	193.2	194.7	182.3	182.3	190.5	171.1	171.1	186.1	
			SHC	129.8	166.0	202.1	126.1	162.3	198.5	122.3	158.5	194.7	118.3	154.4	190.5	114.2	150.1	186.1	
	72	THC	234.3	234.3	234.3	223.5	223.5	223.5	211.9	211.9	211.9	199.8	199.8	199.8	187.0	187.0	187.0		
		SHC	91.8	127.8	163.7	88.2	124.2	160.3	84.3	120.4	156.6	80.3	116.4	152.6	76.1	112.3	148.5		
	76	THC	—	252.2	252.2	—	240.6	240.6	—	228.4	228.4	—	215.3	215.3	—	201.4	201.4		
		SHC	—	96.7	131.2	—	93.1	128.0	—	89.5	124.8	—	85.5	121.2	—	81.4	117.2		

LEGEND

- db — dry bulb
- EA — Entering Air (°F)
- SHC — Sensible Heat Capacity (1000 Btuh) gross
- THC — Total Capacity (1000 Btuh) gross
- wb — wet bulb

# Performance data (cont)

569J\*16T/524J\*16A Stage 2 Combination Ratings — 60 Hz

569J*16T/524J*16A			AMBIENT TEMPERATURE (°F)																
			85			95			105			115			125				
			EA (db)			EA (db)			EA (db)			EA (db)			EA (db)				
			75	80	85	75	80	85	75	80	85	75	80	85	75	80	85		
3750 cfm	EA (wb)	58	THC	137.5	137.5	150.1	131.2	131.2	145.3	124.6	124.6	139.8	118.3	118.3	132.3	110.9	110.9	125.5	
			SHC	116.0	133.0	150.1	111.9	128.6	145.3	107.3	123.5	139.8	101.7	117.0	132.3	96.3	110.9	125.5	
		62	THC	145.4	145.4	145.4	137.9	137.9	139.5	130.4	130.4	133.1	122.5	122.5	128.1	114.6	114.6	121.7	
			SHC	105.6	124.5	143.3	101.9	120.7	139.5	96.9	115.0	133.1	92.5	110.3	128.1	87.4	104.6	121.7	
		67	THC	161.3	161.3	161.3	153.1	153.1	153.1	144.3	144.3	144.3	135.0	135.0	135.0	125.1	125.1	125.1	
			SHC	87.4	106.2	124.9	84.1	102.9	121.8	80.5	99.5	118.4	76.9	95.9	114.9	73.1	92.1	111.1	
	72	THC	178.7	178.7	178.7	170.0	170.0	170.0	160.5	160.5	160.5	150.4	150.4	150.4	139.7	139.7	139.7		
		SHC	69.5	87.3	105.2	66.0	84.2	102.4	62.4	80.8	99.3	58.6	77.3	95.9	54.8	73.5	92.3		
	76	THC	—	193.5	193.5	—	184.5	184.5	—	174.4	174.4	—	163.8	163.8	—	152.3	152.3		
		SHC	—	72.3	90.0	—	68.9	87.6	—	65.5	84.6	—	61.8	81.1	—	58.3	77.7		
	4500 cfm	EA (wb)	58	THC	146.7	146.7	163.1	139.7	139.7	158.1	133.1	133.1	150.5	125.9	125.9	142.4	118.3	118.3	133.8
				SHC	125.7	144.4	163.1	121.4	139.7	158.1	115.6	133.1	150.5	109.3	125.9	142.4	102.8	118.3	133.8
62			THC	152.1	152.1	156.8	149.3	149.3	149.3	136.9	136.9	146.5	132.8	132.8	136.2	120.2	120.2	133.3	
			SHC	113.9	135.4	156.8	107.4	127.9	148.3	105.1	125.8	146.5	97.2	116.7	136.2	94.6	114.0	133.3	
67			THC	167.6	167.6	167.6	159.0	159.0	159.0	149.6	149.6	149.6	139.6	139.6	139.6	129.2	129.2	129.2	
			SHC	94.1	116.5	138.9	90.8	113.2	135.6	87.1	109.6	132.1	83.3	105.8	128.3	79.3	101.8	124.3	
72		THC	185.4	185.4	185.4	176.1	176.1	176.1	166.0	166.0	166.0	155.3	155.3	155.3	144.1	144.1	144.1		
		SHC	72.2	94.0	115.8	68.7	90.8	112.8	65.1	87.2	109.4	61.3	83.6	105.9	57.4	79.8	102.1		
76		THC	—	200.8	200.8	—	191.0	191.0	—	180.2	180.2	—	168.8	168.8	—	156.6	156.6		
		SHC	—	75.1	97.7	—	72.0	94.9	—	68.9	91.9	—	65.4	86.0	—	61.7	83.2		
5250 cfm		EA (wb)	58	THC	154.0	154.0	174.1	147.3	147.3	166.6	140.1	140.1	158.5	132.4	132.4	149.8	124.3	124.3	140.6
				SHC	133.8	154.0	174.1	128.0	147.3	166.6	121.8	140.1	158.5	115.1	132.4	149.8	108.0	124.3	140.6
	62		THC	157.9	157.9	170.3	150.4	150.4	164.5	142.3	142.3	157.8	133.6	133.6	151.5	124.8	124.8	144.5	
			SHC	122.1	146.2	170.3	117.4	140.9	164.5	112.1	134.9	157.8	107.1	129.3	151.5	101.8	123.2	144.5	
	67		THC	174.1	174.1	174.1	163.3	163.3	163.3	153.5	153.5	153.5	143.0	143.0	143.0	132.4	132.4	135.0	
			SHC	101.6	126.3	151.1	97.0	122.9	148.8	93.2	119.1	145.0	89.1	114.8	140.6	84.4	109.7	135.0	
	72	THC	190.2	190.2	190.2	180.6	180.6	180.6	170.1	170.1	170.1	158.9	158.9	158.9	147.2	147.2	147.2		
		SHC	74.6	100.0	125.5	71.2	96.7	122.3	67.5	93.2	118.9	63.7	89.5	115.2	59.7	85.5	111.3		
	76	THC	—	205.8	205.8	—	195.5	195.5	—	184.3	184.3	—	172.4	172.4	—	159.8	159.8		
		SHC	—	78.6	105.1	—	75.5	98.9	—	72.0	96.4	—	68.4	93.3	—	64.5	89.8		
	6000 cfm	EA (wb)	58	THC	160.7	160.7	181.7	153.7	153.7	173.8	146.1	146.1	165.2	137.9	137.9	156.0	129.3	129.3	146.2
				SHC	139.7	160.7	181.7	133.6	153.7	173.8	127.0	146.1	165.2	119.9	137.9	156.0	112.4	129.3	146.2
62			THC	163.1	163.1	181.3	155.2	155.2	175.9	146.8	146.8	168.6	138.2	138.2	161.6	130.1	130.1	149.5	
			SHC	128.9	155.1	181.3	124.5	150.2	175.9	119.0	143.8	168.6	113.8	137.7	161.6	105.8	127.7	149.5	
67			THC	176.0	176.0	176.0	166.6	166.6	166.6	156.4	156.4	156.7	145.9	145.9	151.1	136.0	136.0	142.7	
			SHC	106.3	135.5	164.7	102.7	131.9	161.1	98.6	127.6	156.7	94.0	122.5	151.1	88.1	115.4	142.7	
72		THC	194.0	194.0	194.0	184.1	184.1	184.1	173.2	173.2	173.2	161.7	161.7	161.7	149.6	149.6	149.6		
		SHC	76.8	105.7	134.6	73.4	102.4	131.4	69.7	98.8	127.9	65.9	95.0	124.1	61.8	91.0	120.1		
76		THC	—	209.6	209.6	—	198.9	198.9	—	187.4	187.4	—	175.2	175.2	—	162.2	162.2		
		SHC	—	81.5	108.7	—	78.3	106.0	—	74.8	103.0	—	71.1	99.6	—	67.1	95.8		
6750 cfm		EA (wb)	58	THC	166.4	166.4	188.1	159.1	159.1	179.8	151.1	151.1	170.8	142.5	142.5	161.1	133.6	133.6	151.0
				SHC	144.7	166.4	188.1	138.3	159.1	179.8	131.4	151.1	170.8	124.0	142.5	161.1	116.1	133.6	151.0
	62		THC	167.4	167.4	191.8	159.6	159.6	184.9	152.2	152.2	174.4	143.0	143.0	165.9	133.7	133.7	156.9	
			SHC	135.5	163.6	191.8	130.5	157.7	184.9	123.5	149.0	174.4	117.2	141.5	165.9	110.5	133.7	156.9	
	67		THC	179.0	179.0	179.0	169.3	169.3	172.4	159.1	159.1	166.8	149.4	149.4	157.7	138.5	138.5	151.6	
			SHC	111.8	144.2	176.6	108.0	140.2	172.4	103.4	135.1	166.8	97.2	127.5	157.7	92.3	121.9	151.6	
	72	THC	197.0	197.0	197.0	186.8	186.8	186.8	175.7	175.7	175.7	163.9	163.9	163.9	151.5	151.5	151.5		
		SHC	78.9	111.2	143.4	75.5	107.8	140.1	71.8	104.1	136.5	67.9	100.2	132.6	63.8	96.2	128.5		
	76	THC	—	212.7	212.7	—	201.8	201.8	—	190.0	190.0	—	177.5	177.5	—	164.1	164.1		
		SHC	—	84.1	115.2	—	80.9	112.3	—	77.3	109.0	—	73.5	105.4	—	69.5	101.5		

LEGEND

- db — dry bulb
- EA — Entering Air (°F)
- SHC — Sensible Heat Capacity (1000 Btuh) gross
- THC — Total Capacity (1000 Btuh) gross
- wb — wet bulb



# Performance data (cont)

569J\*16T/524J\*16A Stage 1 Combination Ratings — 60 Hz

569J*16T/524J*16A				AMBIENT TEMPERATURE (°F)															
				85			95			105			115			125			
				EA (db)			EA (db)			EA (db)			EA (db)			EA (db)			
				75	80	85	75	80	85	75	80	85	75	80	85	75	80	85	
3750 cfm	EA (wb)	58	THC	51.8	51.8	64.3	49.3	49.3	59.3	45.9	45.9	57.6	42.7	42.7	53.6	39.4	39.4	49.4	
			SHC	38.4	51.3	64.3	36.0	47.6	59.3	34.2	45.9	57.6	31.8	42.7	53.6	29.3	39.4	49.4	
		62	THC	54.9	54.9	61.8	51.4	51.4	60.7	47.3	47.3	58.0	43.2	43.2	55.2	40.0	40.0	50.2	
			SHC	33.5	47.6	61.8	32.0	46.3	60.7	29.9	43.9	58.0	27.9	41.5	55.2	25.6	37.9	50.2	
		67	THC	60.8	60.8	60.8	56.9	56.9	56.9	52.5	52.5	52.5	48.0	48.0	49.9	43.2	43.2	48.0	
			SHC	26.6	40.5	54.4	24.9	39.1	53.2	23.1	37.4	51.7	21.3	35.6	49.9	19.4	33.7	48.0	
	72	THC	67.6	67.6	67.6	63.3	63.3	63.3	58.6	58.6	58.6	53.6	53.6	53.6	48.4	48.4	48.4		
		SHC	20.3	33.2	46.1	18.3	31.8	45.2	16.3	30.2	44.1	14.4	28.5	42.7	12.4	26.8	41.2		
	76	THC	—	73.3	73.3	—	68.8	68.8	—	63.8	63.8	—	58.6	58.6	—	53.1	53.1		
		SHC	—	26.6	47.2	—	25.3	45.9	—	24.1	44.7	—	22.6	35.0	—	21.0	34.6		
	4500 cfm	EA (wb)	58	THC	54.9	54.9	68.9	51.9	51.9	65.2	48.6	48.6	61.0	45.2	45.2	56.7	41.5	41.5	52.1
				SHC	40.9	54.9	68.9	38.7	51.9	65.2	36.2	48.6	61.0	33.6	45.2	56.7	30.9	41.5	52.1
62			THC	56.9	56.9	67.7	53.1	53.1	66.1	49.1	49.1	63.1	45.3	45.3	59.6	41.5	41.5	55.6	
			SHC	35.5	51.6	67.7	33.8	50.0	66.1	31.8	47.4	63.1	29.7	44.6	59.6	27.5	41.5	55.6	
67			THC	62.9	62.9	62.9	58.7	58.7	58.9	54.2	54.2	57.2	49.4	49.4	55.5	44.4	44.4	53.4	
			SHC	27.6	44.0	60.5	25.9	42.4	58.9	24.1	40.7	57.2	22.2	38.9	55.5	20.3	36.9	53.4	
72		THC	69.6	69.6	69.6	65.1	65.1	65.1	60.2	60.2	60.2	55.0	55.0	55.0	49.6	49.6	49.6		
		SHC	19.6	35.4	51.2	17.7	33.9	50.1	15.8	32.3	48.8	13.9	30.6	47.3	12.0	28.8	45.6		
76		THC	—	75.2	75.2	—	70.8	70.8	—	65.6	65.6	—	60.1	60.1	—	54.3	54.3		
		SHC	—	28.0	52.7	—	26.7	51.5	—	25.3	40.1	—	23.7	39.6	—	22.0	38.6		
5250 cfm		EA (wb)	58	THC	57.6	57.6	72.2	54.4	54.4	68.2	50.9	50.9	63.8	47.2	47.2	59.2	43.3	43.3	54.4
				SHC	42.9	57.6	72.2	40.5	54.4	68.2	37.9	50.9	63.8	35.1	47.2	59.2	32.3	43.3	54.4
	62		THC	58.6	58.6	73.7	54.9	54.9	70.1	51.0	51.0	68.1	47.3	47.3	63.1	43.4	43.4	58.1	
			SHC	37.5	55.6	73.7	35.4	52.8	70.1	33.6	50.9	68.1	31.2	47.1	63.1	28.7	43.4	58.1	
	67		THC	64.4	64.4	65.8	60.1	60.1	64.1	55.4	55.4	62.5	50.5	50.5	60.5	45.6	45.6	58.4	
			SHC	28.4	47.1	65.8	26.7	45.4	64.1	24.9	43.7	62.5	23.0	41.7	60.5	21.2	39.8	58.4	
	72	THC	70.9	70.9	70.9	66.4	66.4	66.4	61.4	61.4	61.4	56.1	56.1	56.1	50.6	50.6	50.6		
		SHC	18.9	37.2	55.6	17.2	35.8	54.3	15.4	34.1	52.8	13.5	32.4	51.3	11.6	30.6	49.5		
	76	THC	—	76.8	76.8	—	72.1	72.1	—	66.8	66.8	—	61.0	61.0	—	55.1	55.1		
		SHC	—	29.0	44.1	—	27.7	44.5	—	26.2	44.2	—	24.5	43.2	—	22.8	41.9		
	6000 cfm	EA (wb)	58	THC	59.8	59.8	75.0	56.5	56.5	70.8	52.7	52.7	66.2	48.9	48.9	61.3	44.8	44.8	56.2
				SHC	44.5	59.8	75.0	42.1	56.5	70.8	39.3	52.7	66.2	36.4	48.9	61.3	33.4	44.8	56.2
62			THC	60.3	60.3	78.0	56.7	56.7	74.7	53.3	53.3	67.5	48.9	48.9	65.6	44.8	44.8	60.0	
			SHC	39.1	58.6	78.0	37.2	56.0	74.7	34.2	50.9	67.5	32.3	48.9	65.6	29.6	44.8	60.0	
67			THC	65.7	65.7	70.8	61.3	61.3	69.0	57.9	57.9	62.9	51.4	51.4	65.1	46.1	46.1	62.7	
			SHC	29.1	50.0	70.8	27.5	48.3	69.0	25.4	44.2	62.9	23.8	44.4	65.1	21.9	42.3	62.7	
72		THC	72.1	72.1	72.1	67.5	67.5	67.5	62.4	62.4	62.4	57.0	57.0	57.0	51.4	51.4	53.2		
		SHC	18.3	38.9	59.5	16.7	37.4	58.2	14.9	35.8	56.7	13.0	34.0	55.0	11.2	32.2	53.2		
76		THC	—	78.1	78.1	—	73.2	73.2	—	67.8	67.8	—	61.8	61.8	—	55.8	55.8		
		SHC	—	29.9	48.7	—	28.5	48.4	—	27.0	47.5	—	25.2	46.4	—	23.5	44.9		
6750 cfm		EA (wb)	58	THC	61.6	61.6	77.4	58.3	58.3	73.1	54.3	54.3	68.2	50.3	50.3	63.1	46.0	46.0	57.8
				SHC	45.9	61.6	77.4	43.4	58.3	73.1	40.5	54.3	68.2	37.5	50.3	63.1	34.3	46.0	57.8
	62		THC	62.0	62.0	81.4	58.5	58.5	77.1	55.0	55.0	69.0	50.5	50.5	67.6	46.0	46.0	61.6	
			SHC	40.5	61.0	81.4	38.3	57.7	77.1	35.1	52.0	69.0	33.3	50.5	67.6	30.4	46.0	61.6	
	67		THC	66.7	66.7	75.5	62.2	62.2	73.8	57.2	57.2	71.9	52.1	52.1	69.6	46.8	46.8	66.4	
			SHC	29.8	52.7	75.5	28.2	51.0	73.8	26.4	49.1	71.9	24.5	47.1	69.6	22.6	44.5	66.4	
	72	THC	73.1	73.1	73.1	68.4	68.4	68.4	63.3	63.3	63.3	57.7	57.7	58.6	51.9	51.9	56.6		
		SHC	17.8	40.5	63.3	16.1	39.0	61.8	14.4	37.3	60.3	12.5	35.5	58.6	10.7	33.7	56.6		
	76	THC	—	79.0	79.0	—	74.1	74.1	—	68.4	68.4	—	62.5	62.5	—	56.4	56.4		
		SHC	—	30.6	52.3	—	29.2	51.6	—	27.6	50.6	—	25.8	49.3	—	24.1	47.7		

LEGEND

- db — dry bulb
- EA — Entering Air (°F)
- SHC — Sensible Heat Capacity (1000 Btuh) gross
- THC — Total Capacity (1000 Btuh) gross
- wb — wet bulb



# Performance data (cont)

569J\*25A/524J\*25A Stage 2 Combination Ratings — 60 Hz

569J*25A/524J*25A			AMBIENT TEMPERATURE (°F)																
			85			95			105			115			125				
			EA (db)			EA (db)			EA (db)			EA (db)			EA (db)				
			75	80	85	75	80	85	75	80	85	75	80	85	75	80	85		
6000 cfm	EA (wb)	58	THC	215.6	215.6	238.3	208.4	208.4	231.1	199.5	199.5	225.3	190.8	190.8	215.4	181.4	181.4	204.8	
			SHC	184.8	211.5	238.3	179.0	205.0	231.1	173.7	199.5	225.3	166.1	190.8	215.4	158.0	181.4	204.8	
		62	THC	230.5	230.5	230.5	217.7	217.7	220.6	207.1	207.1	219.0	199.0	199.0	206.3	185.1	185.1	205.3	
			SHC	162.2	189.3	216.4	161.9	191.2	220.6	159.0	189.0	219.0	150.0	178.1	206.3	146.9	176.1	205.3	
		67	THC	249.0	249.0	249.0	238.9	238.9	238.9	227.9	227.9	227.9	215.9	215.9	215.9	202.8	202.8	202.8	
			SHC	136.2	165.3	194.4	131.9	161.1	190.3	127.4	156.6	185.9	122.5	151.8	181.2	117.3	146.6	176.0	
	72	THC	273.3	273.3	273.3	261.9	261.9	261.9	249.7	249.7	249.7	236.5	236.5	236.5	222.4	222.4	222.4		
		SHC	106.3	134.3	162.3	101.9	130.2	158.5	97.1	125.7	154.3	92.2	121.0	149.7	86.9	115.9	144.8		
	76	THC	—	294.6	294.6	—	282.6	282.6	—	268.8	268.8	—	254.5	254.5	—	238.4	238.4		
		SHC	—	108.7	141.7	—	104.1	137.1	—	100.6	133.6	—	96.1	122.3	—	91.0	118.8		
	7000 cfm	EA (wb)	58	THC	225.8	225.8	255.0	218.2	218.2	246.3	209.6	209.6	236.6	200.4	200.4	226.2	190.3	190.3	214.8
				SHC	196.7	225.8	255.0	190.1	218.2	246.3	182.6	209.6	236.6	174.6	200.4	226.2	165.8	190.3	214.8
62			THC	234.3	234.3	248.6	224.3	224.3	241.4	214.0	214.0	236.2	202.7	202.7	230.0	192.7	192.7	216.7	
			SHC	182.1	215.4	248.6	174.2	207.8	241.4	169.3	202.7	236.2	163.8	196.9	230.0	154.6	185.7	216.7	
67			THC	256.4	256.4	256.4	245.6	245.6	245.6	234.0	234.0	234.0	221.4	221.4	221.4	207.6	207.6	207.6	
			SHC	144.0	177.5	211.1	139.6	173.2	206.9	135.0	168.7	202.3	130.0	163.7	197.4	124.7	158.4	192.1	
72		THC	280.6	280.6	280.6	268.6	268.6	268.6	255.8	255.8	255.8	242.1	242.1	242.1	227.3	227.3	227.3		
		SHC	108.9	141.6	174.3	104.4	137.3	170.2	99.7	132.7	165.8	94.7	127.9	161.1	89.4	122.7	156.1		
76		THC	—	301.8	301.8	—	288.7	288.7	—	274.5	274.5	—	259.4	259.4	—	243.0	243.0		
		SHC	—	112.4	150.9	—	108.4	137.5	—	103.9	134.9	—	99.2	131.1	—	94.0	126.6		
8000 cfm		EA (wb)	58	THC	235.6	235.6	265.9	227.1	227.1	256.4	218.1	218.1	246.2	208.3	208.3	235.1	197.5	197.5	222.9
				SHC	205.3	235.6	265.9	197.9	227.1	256.4	190.0	218.1	246.2	181.5	208.3	235.1	172.1	197.5	222.9
	62		THC	240.0	240.0	265.1	229.9	229.9	259.4	220.1	220.1	251.3	210.6	210.6	239.4	202.6	202.6	217.3	
			SHC	190.1	227.6	265.1	185.0	222.2	259.4	178.8	215.0	251.3	170.4	204.9	239.4	157.0	187.1	217.3	
	67		THC	262.0	262.0	262.0	250.8	250.8	250.8	238.7	238.7	238.7	225.5	225.5	225.5	211.5	211.5	211.5	
			SHC	151.3	189.1	227.0	146.8	184.7	222.6	142.2	180.0	217.9	137.2	175.1	213.0	131.7	169.5	207.3	
	72	THC	286.2	286.2	286.2	273.8	273.8	273.8	260.6	260.6	260.6	246.5	246.5	246.5	230.8	230.8	230.8		
		SHC	111.1	148.2	185.3	106.7	143.9	181.1	101.9	139.3	176.6	96.9	134.4	171.8	91.5	129.0	166.5		
	76	THC	—	307.2	307.2	—	293.6	293.6	—	279.2	279.2	—	263.3	263.3	—	246.4	246.4		
		SHC	—	115.5	149.6	—	111.2	146.4	—	106.7	142.7	—	101.7	138.3	—	96.4	133.3		
	9000 cfm	EA (wb)	58	THC	243.4	243.4	274.7	234.7	234.7	264.8	225.2	225.2	254.1	215.1	215.1	242.7	203.5	203.5	229.6
				SHC	212.2	243.4	274.7	204.5	234.7	264.8	196.3	225.2	254.1	187.4	215.1	242.7	177.4	203.5	229.6
62			THC	245.3	245.3	280.3	235.0	235.0	275.3	230.2	230.2	250.2	217.6	217.6	243.1	203.7	203.7	238.6	
			SHC	199.4	239.9	280.3	194.7	235.0	275.3	180.2	215.2	250.2	173.9	208.5	243.1	168.8	203.7	238.6	
67			THC	266.6	266.6	266.6	254.9	254.9	254.9	242.5	242.5	242.5	229.1	229.1	229.1	214.3	214.3	222.0	
			SHC	158.2	200.2	242.1	153.7	195.7	237.7	149.0	190.9	232.9	143.9	185.7	227.6	138.4	180.2	222.0	
72		THC	290.8	290.8	290.8	277.8	277.8	277.8	264.2	264.2	264.2	249.6	249.6	249.6	233.7	233.7	233.7		
		SHC	113.1	154.4	195.7	108.5	150.0	191.4	103.8	145.3	186.8	98.8	140.3	181.9	93.4	135.0	176.5		
76		THC	—	311.5	311.5	—	297.4	297.4	—	282.4	282.4	—	266.4	266.4	—	249.0	249.0		
		SHC	—	117.8	157.2	—	113.5	153.5	—	108.8	149.3	—	103.8	144.6	—	98.4	139.4		
10,000 cfm		EA (wb)	58	THC	250.4	250.4	282.5	241.3	241.3	272.2	231.3	231.3	260.9	220.5	220.5	248.8	208.8	208.8	235.6
				SHC	218.2	250.4	282.5	210.3	241.3	272.2	201.6	231.3	260.9	192.2	220.5	248.8	182.0	208.8	235.6
	62		THC	250.6	250.6	293.5	245.3	245.3	275.2	234.0	234.0	262.7	220.9	220.9	258.8	208.8	208.8	244.6	
			SHC	207.7	250.6	293.5	196.6	235.9	275.2	187.7	225.2	262.7	183.1	220.9	258.8	173.0	208.8	244.6	
	67		THC	270.4	270.4	270.4	258.4	258.4	258.4	245.6	245.6	247.3	231.6	231.6	241.9	216.7	216.7	235.8	
			SHC	164.9	210.8	256.8	160.3	206.3	252.2	155.6	201.4	247.3	150.4	196.2	241.9	144.9	190.3	235.8	
	72	THC	294.4	294.4	294.4	281.3	281.3	281.3	267.4	267.4	267.4	252.3	252.3	252.3	235.9	235.9	235.9		
		SHC	114.8	160.2	205.6	110.3	155.7	201.2	105.6	151.0	196.5	102.9	148.3	193.7	95.1	140.5	186.0		
	76	THC	—	314.9	314.9	—	300.5	300.5	—	271.5	271.5	—	269.1	269.1	—	251.3	251.3		
		SHC	—	119.7	163.6	—	115.3	159.6	—	106.2	150.8	—	105.5	150.4	—	100.0	145.0		

LEGEND

- db — dry bulb
- EA — Entering Air (°F)
- SHC — Sensible Heat Capacity (1000 Btuh) gross
- THC — Total Capacity (1000 Btuh) gross
- wb — wet bulb

# Performance data (cont)

569J\*25A/524J\*25A Stage 1 Combination Ratings — 60 Hz

569J*25A/524J*25A			AMBIENT TEMPERATURE (°F)																
			85			95			105			115			125				
			EA (db)			EA (db)			EA (db)			EA (db)			EA (db)				
			75	80	85	75	80	85	75	80	85	75	80	85	75	80	85		
5000 cfm	EA (wb)	58	THC	133.2	133.2	150.2	128.4	128.4	144.8	123.3	123.3	139.0	117.7	117.7	132.7	111.6	111.6	125.8	
			SHC	116.3	133.2	150.2	112.1	128.4	144.8	107.6	123.3	139.0	102.7	117.7	132.7	97.4	111.6	125.8	
		62	THC	134.4	134.4	153.7	128.6	128.6	150.3	123.4	123.4	144.4	117.8	117.8	137.8	111.7	111.7	130.7	
			SHC	109.6	131.7	153.7	106.7	128.5	150.3	102.4	123.4	144.4	97.8	117.8	137.8	92.7	111.7	130.7	
		67	THC	144.3	144.3	144.3	137.9	137.9	137.9	131.1	131.1	132.6	123.9	123.9	129.8	116.0	116.0	126.8	
			SHC	89.2	113.4	137.6	86.7	110.9	135.1	84.2	108.4	132.6	81.4	105.6	129.8	78.5	102.6	126.8	
	72	THC	158.4	158.4	158.4	151.4	151.4	151.4	143.9	143.9	143.9	136.0	136.0	136.0	—	—	—		
		SHC	64.5	88.3	112.0	62.0	85.9	109.7	59.4	83.4	107.3	56.7	80.7	104.7	—	—	—		
	76	THC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
		SHC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	6000 cfm	EA (wb)	58	THC	140.1	140.1	157.9	134.8	134.8	152.0	129.2	129.2	145.7	123.2	123.2	138.9	116.6	116.6	131.4
				SHC	122.2	140.1	157.9	117.6	134.8	152.0	112.8	129.2	145.7	107.5	123.2	138.9	101.7	116.6	131.4
62			THC	140.1	140.1	164.0	134.9	134.9	157.8	129.3	129.3	151.3	123.3	123.3	144.3	116.7	116.7	136.5	
			SHC	116.3	140.1	164.0	112.0	134.9	157.8	107.3	129.3	151.3	102.4	123.3	144.3	96.8	116.7	136.5	
67			THC	147.6	147.6	153.3	140.9	140.9	150.6	133.8	133.8	147.8	126.3	126.3	144.6	118.3	118.3	140.8	
			SHC	96.3	124.8	153.3	93.8	122.2	150.6	91.1	119.5	147.8	88.2	116.4	144.6	84.9	112.9	140.8	
72		THC	161.8	161.8	161.8	154.4	154.4	154.4	146.7	146.7	146.7	—	—	—	—	—	—		
		SHC	67.0	95.1	123.1	64.5	92.6	120.8	61.9	90.1	118.4	—	—	—	—	—	—		
76		THC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
		SHC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
7000 cfm		EA (wb)	58	THC	145.5	145.5	164.0	139.9	139.9	157.7	133.9	133.9	151.0	127.5	127.5	143.7	120.5	120.5	135.8
				SHC	127.0	145.5	164.0	122.1	139.9	157.7	116.9	133.9	151.0	111.3	127.5	143.7	105.1	120.5	135.8
	62		THC	145.6	145.6	170.3	140.0	140.0	163.8	134.0	134.0	156.8	127.6	127.6	149.2	120.5	120.5	141.0	
			SHC	120.8	145.6	170.3	116.2	140.0	163.8	111.3	134.0	156.8	105.9	127.6	149.2	100.1	120.5	141.0	
	67		THC	149.9	149.9	167.8	143.1	143.1	164.7	136.0	136.0	161.3	128.5	128.5	156.9	121.7	121.7	146.4	
			SHC	103.0	135.4	167.8	100.3	132.5	164.7	97.3	129.3	161.3	93.9	125.4	156.9	88.0	117.2	146.4	
	72	THC	164.3	164.3	164.3	—	—	—	—	—	—	—	—	—	—	—	—		
		SHC	69.2	101.5	133.7	—	—	—	—	—	—	—	—	—	—	—	—		
	76	THC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
		SHC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	8000 cfm	EA (wb)	58	THC	149.8	149.8	168.9	143.9	143.9	162.2	137.6	137.6	155.2	130.9	130.9	147.6	123.5	123.5	139.2
				SHC	130.7	149.8	168.9	125.6	143.9	162.2	120.1	137.6	155.2	114.3	130.9	147.6	107.8	123.5	139.2
62			THC	149.9	149.9	175.4	144.0	144.0	168.4	137.7	137.7	161.1	131.1	131.1	153.3	123.5	123.5	144.5	
			SHC	124.4	149.9	175.4	119.5	144.0	168.4	114.3	137.7	161.1	108.8	131.1	153.3	102.5	123.5	144.5	
67			THC	152.1	152.1	180.6	145.3	145.3	176.4	137.8	137.8	172.9	132.9	132.9	157.1	124.2	124.2	152.1	
			SHC	109.0	144.8	180.6	105.8	141.1	176.4	102.8	137.8	172.9	94.9	126.0	157.1	91.0	121.5	152.1	
72		THC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
		SHC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
76		THC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
		SHC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
9000 cfm		EA (wb)	58	THC	153.3	153.3	172.8	147.2	147.2	166.0	140.7	140.7	158.6	133.6	133.6	150.6	—	—	—
				SHC	133.8	153.3	172.8	128.5	147.2	166.0	122.8	140.7	158.6	116.6	133.6	150.6	—	—	—
	62		THC	153.5	153.5	179.5	147.3	147.3	172.3	140.8	140.8	164.8	133.7	133.7	156.4	—	—	—	
			SHC	127.4	153.5	179.5	122.3	147.3	172.3	116.9	140.8	164.8	111.0	133.7	156.4	—	—	—	
	67		THC	154.2	154.2	190.2	147.7	147.7	183.1	141.6	141.6	172.8	133.8	133.8	167.8	—	—	—	
			SHC	113.6	151.9	190.2	109.2	146.2	183.1	103.4	138.1	172.8	99.8	133.8	167.8	—	—	—	
	72	THC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
		SHC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	76	THC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
		SHC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		

LEGEND

- db — dry bulb
- EA — Entering Air (°F)
- SHC — Sensible Heat Capacity (1000 Btuh) gross
- THC — Total Capacity (1000 Btuh) gross
- wb — wet bulb

# Performance data (cont)

569J\*25T/524J\*25A Stage 3 Combination Ratings — 60 Hz

569J*25T/524J*25A			AMBIENT TEMPERATURE (°F)																
			85			95			105			115			125				
			EA (db)			EA (db)			EA (db)			EA (db)			EA (db)				
			75	80	85	75	80	85	75	80	85	75	80	85	75	80	85		
6000 cfm	EA (wb)	58	THC	218.9	218.9	245.1	210.7	210.7	237.4	201.8	201.8	228.0	192.3	192.3	217.3	182.1	182.1	205.8	
		58	SHC	189.2	217.2	245.1	182.9	210.2	237.4	175.5	201.8	228.0	167.3	192.3	217.3	158.5	182.1	205.8	
		62	THC	234.0	234.0	234.0	220.9	220.9	225.0	209.5	209.5	219.9	197.6	197.6	214.4	184.9	184.9	206.9	
		62	SHC	176.0	195.0	214.0	164.6	194.8	225.0	159.5	189.7	219.9	154.1	184.2	214.4	147.5	177.2	206.9	
		67	THC	253.5	253.5	253.5	242.0	242.0	242.0	229.9	229.9	229.9	216.5	216.5	216.5	202.4	202.4	202.4	
		67	SHC	138.1	168.0	198.0	133.4	163.4	193.4	128.5	158.6	188.8	123.2	153.4	183.6	117.7	148.0	178.2	
	72	THC	278.0	278.0	278.0	265.4	265.4	265.4	252.2	252.2	252.2	237.5	237.5	237.5	222.0	222.0	222.0		
	72	SHC	107.1	136.0	164.9	102.2	131.4	160.6	97.2	126.7	156.2	91.8	121.5	151.2	86.2	116.1	146.0		
	76	THC	—	298.9	298.9	—	285.7	285.7	—	271.5	271.5	—	255.7	255.7	—	238.6	238.6		
	76	SHC	—	108.3	141.3	—	104.4	137.4	—	100.3	129.6	—	95.5	122.2	—	90.2	118.5		
	7000 cfm	EA (wb)	58	THC	230.0	230.0	259.8	221.5	221.5	250.3	212.1	212.1	239.6	201.7	201.7	227.9	190.8	190.8	215.6
			58	SHC	200.1	230.0	259.8	192.7	221.5	250.3	184.5	212.1	239.6	175.6	201.7	227.9	166.0	190.8	215.6
62			THC	237.9	237.9	251.5	227.4	227.4	246.6	215.6	215.6	240.6	203.6	203.6	232.1	191.7	191.7	221.9	
62			SHC	182.0	216.7	251.5	177.3	211.9	246.6	171.7	206.2	240.6	164.8	198.4	232.1	157.0	189.4	221.9	
67			THC	260.6	260.6	260.6	248.8	248.8	248.8	235.4	235.4	235.4	221.5	221.5	221.5	206.8	206.8	206.8	
67			SHC	146.0	180.6	215.2	141.3	176.0	210.7	136.1	170.9	205.6	130.8	165.6	200.4	125.3	160.2	195.0	
72		THC	284.8	284.8	284.8	272.0	272.0	272.0	257.7	257.7	257.7	242.9	242.9	242.9	226.5	226.5	226.5		
72		SHC	109.4	143.2	177	104.7	138.8	172.8	99.6	133.8	168.1	94.3	128.8	163.2	88.7	123.2	157.8		
76		THC	—	306.9	306.9	—	292.4	292.4	—	277.0	277.0	—	260.3	260.3	—	243.0	243.0		
76		SHC	—	112.8	146.3	—	108.4	138.4	—	103.7	135.4	—	98.5	131.3	—	93.2	126.7		
8,000 cfm		EA (wb)	58	THC	239.3	239.3	270.4	230.3	230.3	260.2	220.5	220.5	249.1	209.6	209.6	236.8	197.9	197.9	223.5
			58	SHC	208.3	239.3	270.4	200.4	230.3	260.2	191.8	220.5	249.1	182.4	209.6	236.8	172.2	197.9	223.5
	62		THC	243.6	243.6	271.1	232.9	232.9	265.0	221.6	221.6	256.4	211.3	211.3	241.0	199.0	199.0	229.2	
	62		SHC	193.6	232.4	271.1	188.3	226.6	265.0	181.4	218.9	256.4	171.2	206.1	241.0	162.3	195.7	229.2	
	67		THC	265.7	265.7	265.7	253.8	253.8	253.8	239.8	239.8	239.8	225.6	225.6	225.6	210.3	210.3	211.2	
	67		SHC	153.3	192.4	231.5	148.8	187.9	227.1	143.5	182.7	221.9	138.3	177.5	216.7	132.7	171.9	211.2	
	72	THC	290.5	290.5	290.5	277.1	277.1	277.1	262.7	262.7	262.7	247.2	247.2	247.2	229.9	229.9	229.9		
	72	SHC	111.7	150.1	188.6	106.9	145.6	184.3	101.9	140.7	179.5	96.7	135.6	174.6	90.9	129.9	169.0		
	76	THC	—	312.0	312.0	—	298.1	298.1	—	282.1	282.1	—	264.3	264.3	—	246.5	246.5		
	76	SHC	—	115.8	151.0	—	111.5	147.8	—	106.6	143.8	—	101.2	138.9	—	95.8	134.0		
	9,000 cfm	EA (wb)	58	THC	247.5	247.5	279.6	238.0	238.0	268.9	227.4	227.4	256.9	216.1	216.1	244.2	203.8	203.8	230.2
			58	SHC	215.4	247.5	279.6	207.1	238.0	268.9	197.9	227.4	256.9	188.1	216.1	244.2	177.3	203.8	230.2
62			THC	249.1	249.1	287.8	239.2	239.2	277.6	229.0	229.0	262.0	216.6	216.6	252.3	204.0	204.0	239.1	
62			SHC	203.7	245.8	287.8	196.3	237.0	277.6	185.9	224.0	262.0	178.3	215.3	252.3	168.8	204.0	239.1	
67			THC	270.5	270.5	270.5	257.3	257.3	257.3	243.4	243.4	243.4	228.8	228.8	232.6	213.0	213.0	226.9	
67			SHC	160.6	204.1	247.6	155.7	199.3	242.8	150.7	194.2	237.8	145.5	189.0	232.6	139.9	183.4	226.9	
72		THC	294.8	294.8	294.8	280.9	280.9	280.9	265.9	265.9	265.9	250.0	250.0	250.0	232.6	232.6	232.6		
72		SHC	113.6	156.6	199.6	108.9	152.0	195.2	103.8	147.1	190.4	98.5	141.9	185.3	92.8	136.3	179.8		
76		THC	—	316.4	316.4	—	301.5	301.5	—	285.0	285.0	—	268	268.0	—	249.4	249.4		
76		SHC	—	118.3	159.0	—	113.7	155.1	—	108.8	150.8	—	103.6	146.0	—	98.1	140.9		
10,000 cfm		EA (wb)	58	THC	254.6	254.6	287.7	244.9	244.9	276.6	233.7	233.7	264.0	221.7	221.7	250.5	208.8	208.8	235.9
			58	SHC	221.6	254.6	287.7	213.1	244.9	276.6	203.4	233.7	264.0	193.0	221.7	250.5	181.7	208.8	235.9
	62		THC	256.2	256.2	293.6	246.5	246.5	281.5	234.0	234.0	272.6	221.6	221.6	259.8	209.0	209.0	245.0	
	62		SHC	208.3	251.0	293.6	199.8	240.7	281.5	192.6	232.6	272.6	183.4	221.6	259.8	172.9	209.0	245.0	
	67		THC	273.5	273.5	273.5	260.6	260.6	260.6	246.3	246.3	253.2	230.9	230.9	247.7	215.1	215.1	241.6	
	67		SHC	167.3	215.1	262.8	162.7	210.5	258.2	157.7	205.4	253.2	152.3	200.0	247.7	146.7	194.1	241.6	
	72	THC	298.4	298.4	298.4	284.3	284.3	284.3	269.3	269.3	269.3	252.6	252.6	252.6	234.8	234.8	234.8		
	72	SHC	115.3	162.7	210.1	110.6	158.1	205.7	105.7	153.4	201.0	100.3	148.1	195.8	94.7	142.5	190.2		
	76	THC	—	320.7	320.7	—	305.4	305.4	—	288.6	288.6	—	270.6	270.6	—	251.7	251.7		
	76	SHC	—	120.5	166.1	—	115.9	162.0	—	110.9	157.4	—	105.5	152.4	—	100.0	147.1		

LEGEND

- db — dry bulb
- EA — Entering Air (°F)
- SHC — Sensible Heat Capacity (1000 Btuh) gross
- THC — Total Capacity (1000 Btuh) gross
- wb — wet bulb

# Performance data (cont)

569J\*25T/524J\*25A Stage 2 Combination Ratings — 60 Hz

569J*25T/524J*25A			AMBIENT TEMPERATURE (°F)																
			85			95			105			115			125				
			EA (db)			EA (db)			EA (db)			EA (db)			EA (db)				
			75	80	85	75	80	85	75	80	85	75	80	85	75	80	85		
5000 cfm	EA (wb)	58	THC	176.7	176.7	194.4	168.3	168.3	187.0	159.4	159.4	179.0	150.5	150.5	168.4	140.2	140.2	159.1	
			SHC	149.0	171.7	194.4	142.9	165.0	187.0	136.7	157.8	179.0	128.7	148.6	168.4	121.2	140.2	159.1	
		62	THC	185.4	185.4	187.2	176.2	176.2	180.0	166.0	166.0	172.2	155.6	155.6	163.9	144.7	144.7	154.9	
			SHC	135.9	161.6	187.2	130.2	155.1	180.0	123.8	148.0	172.2	117.1	140.5	163.9	110.1	132.5	154.9	
		67	THC	206.6	206.6	206.6	195.5	195.5	195.5	183.5	183.5	183.5	170.7	170.7	170.7	156.8	156.8	156.8	
			SHC	111.5	137.0	162.5	107.1	132.7	158.3	102.3	128.0	153.7	97.5	123.2	148.9	92.3	118.0	143.8	
	72	THC	228.5	228.5	228.5	217.5	217.5	217.5	204.4	204.4	204.4	190.7	190.7	190.7	175.4	175.4	175.4		
		SHC	87.0	111.2	135.4	82.7	107.5	132.3	77.9	103.0	128.0	73.0	98.2	123.4	67.6	93.0	118.3		
	76	THC	—	247.7	247.7	—	235.9	235.9	—	222.1	222.1	—	207.3	207.3	—	190.6	190.6		
		SHC	—	91.2	117.1	—	87.3	113.5	—	82.7	109.1	—	77.6	104.1	—	72.5	99.0		
	6000 cfm	EA (wb)	58	THC	188.8	188.8	211.1	179.5	179.5	203.5	170.2	170.2	193.0	160.3	160.3	181.8	149.9	149.9	170.1
				SHC	161.7	186.4	211.1	155.4	179.4	203.5	147.3	170.2	193.0	138.8	160.3	181.8	129.8	149.9	170.1
62			THC	195.3	195.3	204.9	185.7	185.7	197.2	175.2	175.2	188.5	163.9	163.9	179.3	152.0	152.0	170.5	
			SHC	147.1	176.0	204.9	141.0	169.1	197.2	134.1	161.3	188.5	126.8	153.0	179.3	119.8	145.1	170.5	
67			THC	214.8	214.8	214.8	204.1	204.1	204.1	190.1	190.1	190.1	176.3	176.3	176.3	162.0	162.0	162.0	
			SHC	120.5	150.9	181.3	116.5	146.9	177.4	111.2	141.7	172.1	106.1	136.6	167.1	100.6	130.9	161.1	
72		THC	237.3	237.3	237.3	225.0	225.0	225.0	211.2	211.2	211.2	196.2	196.2	196.2	180.5	180.5	180.5		
		SHC	90.5	120.2	149.9	86.1	116.0	145.8	81.3	111.3	141.3	76.1	106.2	136.3	70.9	101.0	131.1		
76		THC	—	256.7	256.7	—	243.8	243.8	—	229.0	229.0	—	212.7	212.7	—	195.1	195.1		
		SHC	—	95.0	126.5	—	90.9	122.4	—	86.6	118.2	—	81.6	110.0	—	76.1	104.9		
7000 cfm		EA (wb)	58	THC	198.6	198.6	225.1	189.4	189.4	214.7	179.5	179.5	203.5	168.9	168.9	191.5	157.5	157.5	178.5
				SHC	172.1	198.6	225.1	164.1	189.4	214.7	155.5	179.5	203.5	146.4	168.9	191.5	136.4	157.5	178.5
	62		THC	203.5	203.5	220.5	193.6	193.6	212.4	182.1	182.1	204.2	170.2	170.2	194.1	159.4	159.4	182.3	
			SHC	156.9	188.7	220.5	150.5	181.5	212.4	143.9	174.0	204.2	136.2	165.1	194.1	128.2	155.3	182.3	
	67		THC	220.5	220.5	220.5	208.4	208.4	208.4	194.8	194.8	194.8	180.6	180.6	183.4	167.0	167.0	172.4	
			SHC	128.8	163.9	199.0	124.3	159.4	194.6	119.4	154.4	189.5	113.9	148.6	183.4	106.2	139.3	172.4	
	72	THC	243.3	243.3	243.3	230.8	230.8	230.8	216.1	216.1	216.1	200.5	200.5	200.5	184.5	184.5	184.5		
		SHC	93.5	128.0	162.5	89.2	123.8	158.4	84.2	118.9	153.5	79.0	113.8	148.5	73.8	108.5	143.2		
	76	THC	—	262.7	262.7	—	248.7	248.7	—	233.2	233.2	—	216.5	216.5	—	198.2	198.2		
		SHC	—	98.9	135.5	—	94.7	127.1	—	89.9	123	—	84.8	118.1	—	79.0	112.1		
	8000 cfm	EA (wb)	58	THC	207.1	207.1	234.6	197.6	197.6	223.9	187.2	187.2	212.1	175.8	175.8	199.2	163.7	163.7	185.4
				SHC	179.5	207.1	234.6	171.3	197.6	223.9	162.3	187.2	212.1	152.4	175.8	199.2	141.9	163.7	185.4
62			THC	209.9	209.9	235.7	199.5	199.5	227.0	188.2	188.2	218.0	176.6	176.6	205.1	164.5	164.5	190.7	
			SHC	166.4	201.1	235.7	159.6	193.3	227.0	152.8	185.4	218.0	143.9	174.5	205.1	133.9	162.3	190.7	
67			THC	224.8	224.8	224.8	212.4	212.4	212.4	198.8	198.8	205.1	186.0	186.0	193.7	171.6	171.6	183.3	
			SHC	136.8	176.4	216.0	132.1	171.7	211.2	126.8	165.9	205.1	119.1	156.4	193.7	111.6	147.5	183.3	
72		THC	247.9	247.9	247.9	234.6	234.6	234.6	219.9	219.9	219.9	203.9	203.9	203.9	187.0	187.0	187.0		
		SHC	96.1	135.2	174.3	91.7	130.8	170.0	86.8	126.0	165.2	81.6	120.8	160.0	76.2	115.3	154.4		
76		THC	—	266.7	266.7	—	253.2	253.2	—	237.1	237.1	—	218.9	218.9	—	199.9	199.9		
		SHC	—	102.0	139.1	—	97.9	135.4	—	92.9	130.7	—	87.3	124.9	—	81.1	118.1		
9000 cfm		EA (wb)	58	THC	214.4	214.4	242.8	204.5	204.5	231.6	193.5	193.5	219.1	181.6	181.6	205.6	169.0	169.0	191.4
				SHC	186.0	214.4	242.8	177.4	204.5	231.6	167.8	193.5	219.1	157.5	181.6	205.6	146.6	169.0	191.4
	62		THC	215.6	215.6	249.0	205.1	205.1	238.9	193.7	193.7	227.7	182.0	182.0	214.0	168.9	168.9	198.7	
			SHC	174.9	211.9	249.0	167.7	203.3	238.9	159.5	193.6	227.7	149.9	182.0	214.0	139.2	168.9	198.7	
	67		THC	228.7	228.7	231.8	215.8	215.8	225.4	203.3	203.3	214.7	189.4	189.4	204.7	174.8	174.8	192.9	
			SHC	144.1	188.0	231.8	138.9	182.1	225.4	131.5	173.1	214.7	124.3	164.5	204.7	116.2	154.5	192.9	
	72	THC	251.6	251.6	251.6	237.9	237.9	237.9	223.0	223.0	223.0	206.5	206.5	206.5	189.2	189.2	189.2		
		SHC	98.5	142.1	185.6	94.0	137.6	181.2	89.2	132.8	176.4	84.0	127.5	171.0	78.5	121.7	165.0		
	76	THC	—	270.4	270.4	—	256.2	256.2	—	239.1	239.1	—	221.4	221.4	—	202.0	202.0		
		SHC	—	104.6	146.5	—	100.3	142.4	—	95.0	136.9	—	89.5	131.3	—	83.1	123.9		

LEGEND

- db — dry bulb
- EA — Entering Air (°F)
- SHC — Sensible Heat Capacity (1000 Btuh) gross
- THC — Total Capacity (1000 Btuh) gross
- wb — wet bulb

# Performance data (cont)

569J\*25T/524J\*25A Stage 1 Combination Ratings — 60 Hz

569J*25T/524J*25A				AMBIENT TEMPERATURE (°F)															
				85			95			105			115			125			
				EA (db)			EA (db)			EA (db)			EA (db)			EA (db)			
				75	80	85	75	80	85	75	80	85	75	80	85	75	80	85	
5000 cfm	EA (wb)	58	THC	78.6	78.6	99.9	78.6	78.6	99.9	78.6	78.6	99.8	78.6	78.6	99.8	78.6	78.6	99.9	
			SHC	57.4	78.6	99.9	57.4	78.6	99.9	57.4	78.6	99.8	57.4	78.6	99.8	57.4	78.6	99.9	
		62	THC	80.5	80.5	102.8	80.6	80.6	103.1	80.5	80.5	102.8	80.5	80.5	102.8	80.5	80.5	102.8	
			SHC	50.0	76.4	102.8	50.1	76.6	103.1	50.0	76.4	102.8	50.0	76.4	102.8	50.0	76.4	102.8	
		67	THC	90.0	90.0	90.3	90.0	90.0	90.4	90.0	90.0	90.3	90.0	90.0	90.4	90.0	90.0	90.4	
			SHC	37.6	64.0	90.3	37.6	64.0	90.4	37.6	64.0	90.3	37.6	64.0	90.4	37.6	64.0	90.4	
	72	THC	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3		
		SHC	24.9	50.4	75.9	24.9	50.4	75.9	24.9	50.5	76.0	24.9	50.4	75.9	24.9	50.5	76.0		
	76	THC	—	108.4	108.4	—	108.5	108.5	—	108.2	108.2	—	108.4	108.4	—	108.3	108.3		
		SHC	—	40.5	64.9	—	40.5	64.9	—	41.5	68	—	40.5	64.9	—	40.5	64.9		
	6000 cfm	EA (wb)	58	THC	84.3	84.3	106.9	84.3	84.3	106.9	84.4	84.4	107.0	84.3	84.3	107.0	84.3	84.3	106.9
				SHC	61.7	84.3	106.9	61.7	84.3	106.9	61.7	84.4	107.0	61.7	84.3	107.0	61.7	84.3	106.9
62			THC	85.1	85.1	112.7	84.7	84.7	113.7	84.8	84.8	113.6	85.1	85.1	112.5	85.2	85.2	112.9	
			SHC	54.0	83.4	112.7	54.2	83.9	113.7	54.2	83.9	113.6	54.1	83.3	112.5	54.1	83.5	112.9	
67			THC	93.1	93.1	102.5	93.1	93.1	102.5	93.1	93.1	102.5	93.1	93.1	102.5	93.0	93.0	102.5	
			SHC	39.7	71.1	102.5	39.7	71.1	102.5	39.7	71.1	102.5	39.7	71.1	102.5	39.7	71.1	102.5	
72		THC	103.1	103.1	103.1	103.1	103.1	103.1	103.1	103.1	103.1	103.4	103.4	103.2	103.2	103.2			
		SHC	24.5	55.4	86.4	24.5	55.4	86.3	24.5	55.4	86.4	26.6	57.1	87.7	24.5	55.5	86.5		
76		THC	—	111.6	111.6	—	111.7	111.7	—	111.6	111.6	—	111.6	111.6	—	111.6	111.6		
		SHC	—	42.8	72.7	—	42.9	72.7	—	42.8	72.7	—	42.8	72.7	—	42.9	72.7		
7000 cfm		EA (wb)	58	THC	88.9	88.9	112.6	88.9	88.9	112.6	88.9	88.9	112.6	88.9	88.9	112.6	89.0	89.0	112.7
				SHC	65.2	88.9	112.6	65.2	88.9	112.6	65.2	88.9	112.6	65.2	88.9	112.6	65.2	89.0	112.7
	62		THC	89.0	89.0	120.6	89.0	89.0	120.6	89.0	89.0	120.6	89.0	89.0	120.6	89.0	89.0	120.6	
			SHC	57.4	89.0	120.6	57.4	89.0	120.6	57.4	89.0	120.6	57.4	89.0	120.6	57.4	89.0	120.6	
	67		THC	95.3	95.3	114.2	95.3	95.3	114.2	95.3	95.3	114.2	95.3	95.3	114.1	95.3	95.3	114.2	
			SHC	41.6	77.9	114.2	41.6	77.9	114.2	41.6	77.9	114.2	41.6	77.8	114.1	41.6	77.9	114.2	
	72	THC	105.3	105.3	105.3	105.4	105.4	105.4	105.3	105.3	105.3	105.3	105.3	105.3	105.4	105.4	105.4		
		SHC	23.8	59.6	95.5	23.8	59.6	95.5	23.8	59.6	95.5	23.8	59.6	95.5	23.8	59.6	95.5		
	76	THC	—	113.7	113.7	—	113.8	113.8	—	113.7	113.7	—	113.8	113.8	—	113.8	113.8		
		SHC	—	44.9	79.7	—	44.9	79.7	—	44.9	79.7	—	44.9	79.7	—	44.9	79.7		
	8000 cfm	EA (wb)	58	THC	92.6	92.6	117.2	92.7	92.7	117.3	92.7	92.7	117.3	92.6	92.6	117.3	92.6	92.6	117.2
				SHC	68.0	92.6	117.2	68.1	92.7	117.3	68.1	92.7	117.3	68.0	92.6	117.3	68.0	92.6	117.2
62			THC	92.7	92.7	125.4	92.7	92.7	125.4	92.7	92.7	125.4	92.7	92.7	125.4	92.7	92.7	125.5	
			SHC	59.9	92.7	125.4	59.9	92.7	125.4	59.9	92.7	125.4	59.9	92.7	125.4	60.0	92.7	125.5	
67			THC	96.7	96.7	124.5	96.8	96.8	124.5	96.7	96.7	124.5	96.8	96.8	124.5	96.8	96.8	124.6	
			SHC	43.2	83.9	124.5	43.2	83.9	124.5	43.2	83.9	124.5	43.2	83.9	124.5	43.3	83.9	124.6	
72		THC	107.1	107.1	107.1	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.1	107.1	107.1		
		SHC	23.0	63.7	104.3	23.0	63.7	104.3	23.0	63.7	104.3	23.0	63.7	104.3	25.4	65.4	105.4		
76		THC	—	115.3	115.3	—	115.3	115.3	—	115.3	115.3	—	115.2	115.2	—	115.2	115.2		
		SHC	—	46.8	86.3	—	46.8	86.2	—	46.8	86.3	—	46.8	86.2	—	46.8	86.2		
9000 cfm		EA (wb)	58	THC	95.8	95.8	121.1	95.8	95.8	121.1	95.7	95.7	121.0	95.7	95.7	121.1	95.6	95.6	120.9
				SHC	70.4	95.8	121.1	70.4	95.8	121.1	70.3	95.7	121.0	70.4	95.7	121.1	70.3	95.6	120.9
	62		THC	95.8	95.8	129.6	95.7	95.7	129.4	95.8	95.8	129.5	95.9	95.9	129.6	95.9	95.9	129.6	
			SHC	62.1	95.8	129.6	62.0	95.7	129.4	62.0	95.8	129.5	62.1	95.9	129.6	62.1	95.9	129.6	
	67		THC	98.3	98.3	135.9	98.3	98.3	135.9	98.3	98.3	135.9	98.3	98.3	135.9	98.3	98.3	135.8	
			SHC	45.1	90.5	135.9	45.1	90.5	135.9	45.1	90.5	135.9	45.1	90.5	135.9	45.1	90.5	135.8	
	72	THC	108.3	108.3	112.8	108.4	108.4	112.8	108.5	108.5	112.8	108.4	108.4	112.8	108.4	108.4	112.8		
		SHC	22.3	67.5	112.8	22.3	67.5	112.8	22.3	67.6	112.8	22.3	67.5	112.8	22.3	67.5	112.8		
	76	THC	—	116.5	116.5	—	116.4	116.4	—	116.5	116.5	—	116.4	116.4	—	116.4	116.4		
		SHC	—	48.6	92.5	—	48.6	92.5	—	48.6	92.5	—	48.6	92.4	—	48.6	92.4		

LEGEND

- db — dry bulb
- EA — Entering Air (°F)
- SHC — Sensible Heat Capacity (1000 Btuh) gross
- THC — Total Capacity (1000 Btuh) gross
- wb — wet bulb

# Performance data (cont)

569J\*28T/524J\*28A Stage 3 Combination Ratings — 60 Hz

569J*28T/524J*28A				AMBIENT TEMPERATURE (°F)															
				85			95			105			115			125			
				EA (db)			EA (db)			EA (db)			EA (db)			EA (db)			
				75	80	85	75	80	85	75	80	85	75	80	85	75	80	85	
7500 cfm	EA (wb)	58	THC	258.8	258.8	283.0	248.5	248.5	274.2	236.5	236.5	267.2	225.5	225.5	254.8	213.3	213.3	241.1	
			SHC	219.6	251.3	283.0	212.3	243.3	274.2	205.7	236.5	267.2	196.1	225.5	254.8	185.6	213.3	241.1	
		62	THC	270.9	270.9	270.9	258.7	258.7	262.6	245.6	245.6	256.7	231.4	231.4	249.9	216.4	216.4	242.0	
			SHC	197.8	232.9	268.1	192.2	227.4	262.6	186.4	221.6	256.7	179.8	214.8	249.9	172.4	207.2	242.0	
		67	THC	294.9	294.9	294.9	282.3	282.3	282.3	267.6	267.6	267.6	252.3	252.3	252.3	235.9	235.9	235.9	
			SHC	160.9	195.7	230.6	155.7	190.8	225.8	149.9	185.0	220.2	143.8	179.2	214.5	137.4	172.8	208.1	
	72	THC	321.7	321.7	321.7	307.8	307.8	307.8	292.2	292.2	292.2	275.4	275.4	275.4	257.1	257.1	257.1		
		SHC	124.3	157.8	191.4	118.9	153.0	187.0	113.0	147.4	181.9	106.9	141.6	176.3	100.3	135.2	170.2		
	76	THC	—	345.5	345.5	—	329.2	329.2	—	310.4	310.4	—	294.8	294.8	—	274.9	274.9		
		SHC	—	125.9	167.1	—	121.2	162.4	—	115.8	144.1	—	111.0	143.2	—	104.9	138.7		
	8750 cfm	EA (wb)	58	THC	268.2	268.2	303.6	258.4	258.4	292.0	247.5	247.5	279.7	235.8	235.8	266.5	222.6	222.6	251.6
				SHC	232.9	268.2	303.6	224.8	258.4	292.0	215.3	247.5	279.7	205.1	235.8	266.5	193.7	222.6	251.6
62			THC	280.3	280.3	288.6	268.6	268.6	280.4	252.3	252.3	279.6	237.9	237.9	271.2	223.6	223.6	256.5	
			SHC	209.7	249.2	288.6	203.2	241.8	280.4	199.8	239.7	279.6	192.5	231.8	271.2	181.8	219.2	256.5	
67			THC	302.4	302.4	302.4	288.6	288.6	288.6	273.8	273.8	273.8	257.8	257.8	257.8	240.7	240.7	240.7	
			SHC	169.5	209.7	249.9	164.1	204.4	244.7	158.5	198.9	239.4	152.3	192.7	233.2	145.7	186.2	226.7	
72		THC	329.2	329.2	329.2	314.0	314.0	314.0	297.8	297.8	297.8	280.3	280.3	280.3	261.7	261.7	261.7		
		SHC	126.9	166.1	205.3	121.3	160.9	200.5	115.5	155.3	195.1	109.3	149.3	189.3	102.8	143.0	183.2		
76		THC	—	352.2	352.2	—	336.3	336.3	—	318.3	318.3	—	299.9	299.9	—	279.7	279.7		
		SHC	—	130.3	171.6	—	125.7	161.3	—	120.2	157.7	—	114.5	153.2	—	108.4	147.9		
10000 cfm		EA (wb)	58	THC	278.6	278.6	314.8	268.1	268.1	303	256.8	256.8	290.2	244.1	244.1	275.9	230.2	230.2	260.1
				SHC	242.3	278.6	314.8	233.2	268.1	303	223.4	256.8	290.2	212.4	244.1	275.9	200.2	230.2	260.1
	62		THC	283.9	283.9	313.8	271.3	271.3	306.8	257.6	257.6	297.1	245.1	245.1	284.0	230.6	230.6	268.9	
			SHC	224.4	269.1	313.8	218.2	262.5	306.8	210.3	253.7	297.1	200.8	242.4	284.0	189.8	229.4	268.9	
	67		THC	308.2	308.2	308.2	294.4	294.4	294.4	278.6	278.6	278.6	262.0	262.0	262.0	244.4	244.4	244.4	
			SHC	177.7	223.0	268.2	172.4	217.8	263.1	166.4	211.7	257.1	160.3	205.7	251.0	153.8	199.1	244.4	
	72	THC	334.9	334.9	334.9	319.2	319.2	319.2	303.1	303.1	303.1	284.5	284.5	284.5	265.3	265.3	265.3		
		SHC	129.2	173.7	218.2	123.7	168.4	213.1	118.0	162.9	207.8	111.7	156.7	201.8	105.2	150.3	195.4		
	76	THC	—	357.7	357.7	—	341.6	341.6	—	323.8	323.8	—	304.3	304.3	—	283.3	283.3		
		SHC	—	133.8	174.9	—	128.9	171.4	—	123.5	167.0	—	117.6	161.9	—	111.2	156.1		
	11250 cfm	EA (wb)	58	THC	287.4	287.4	324.7	276.5	276.5	312.4	264.1	264.1	298.4	250.8	250.8	283.4	236.4	236.4	267.1
				SHC	250.0	287.4	324.7	240.5	276.5	312.4	229.7	264.1	298.4	218.2	250.8	283.4	205.6	236.4	267.1
62			THC	288.8	288.8	332.6	276.5	276.5	322.8	264.3	264.3	309.5	253.4	253.4	284.4	236.3	236.3	277.5	
			SHC	235.3	284.0	332.6	227.9	275.3	322.8	218.3	263.9	309.5	202.6	243.5	284.4	195.2	236.3	277.5	
67			THC	313.3	313.3	313.3	298.1	298.1	298.1	282.4	282.4	282.4	265.3	265.3	268.2	247.2	247.2	261.3	
			SHC	185.7	235.8	286.0	180.0	230.2	280.4	174.3	224.4	274.6	168.0	218.1	268.2	161.3	211.3	261.3	
72		THC	339.4	339.4	339.4	324.0	324.0	324.0	306.7	306.7	306.7	287.7	287.7	287.7	268.3	268.3	268.3		
		SHC	131.3	180.8	230.3	126.0	175.6	225.3	120.1	169.9	219.8	113.7	163.6	213.5	107.3	157.3	207.3		
76		THC	—	363.0	363.0	—	346.0	346.0	—	326.9	326.9	—	307.5	307.5	—	—	—		
		SHC	—	136.8	184.1	—	131.7	179.8	—	126.0	174.8	—	120.1	169.6	—	—	—		
12500 cfm		EA (wb)	58	THC	294.7	294.7	333.0	283.1	283.1	319.9	270.9	270.9	306.2	256.9	256.9	290.4	241.6	241.6	273.0
				SHC	256.4	294.7	333.0	246.3	283.1	319.9	235.7	270.9	306.2	223.5	256.9	290.4	210.2	241.6	273.0
	62		THC	295.3	295.3	346.4	283.9	283.9	329.6	270.9	270.9	316.5	257.3	257.3	301.3	241.8	241.8	283.6	
			SHC	244.2	295.3	346.4	232.9	281.3	329.6	223.3	269.9	316.5	212.5	256.9	301.3	200.0	241.8	283.6	
	67		THC	316.6	316.6	316.6	302.1	302.1	302.1	285.5	285.5	291.3	268.2	268.2	284.8	249.5	249.5	277.6	
			SHC	193.1	248.0	302.9	187.8	242.6	297.5	181.8	236.5	291.3	175.5	230.1	284.8	168.9	223.2	277.6	
	72	THC	343.1	343.1	343.1	326.7	326.7	326.7	309.3	309.3	309.3	291.1	291.1	291.1	270.6	270.6	270.6		
		SHC	133.1	187.5	241.9	127.6	182.1	236.6	121.8	176.4	230.9	115.9	170.4	225	109.3	163.9	218.5		
	76	THC	—	366.4	366.4	—	349.4	349.4	—	330.6	330.6	—	—	—	—	—	—		
		SHC	—	139.0	191.8	—	134.0	187.3	—	128.4	182.3	—	—	—	—	—	—		

LEGEND

- db — dry bulb
- EA — Entering Air (°F)
- SHC — Sensible Heat Capacity (1000 Btuh) gross
- THC — Total Capacity (1000 Btuh) gross
- wb — wet bulb



# Performance data (cont)

569J\*28T/524J\*28A Stage 2 Combination Ratings — 60 Hz

569J*28T/524J*28A				AMBIENT TEMPERATURE (°F)															
				85			95			105			115			125			
				EA (db)			EA (db)			EA (db)			EA (db)			EA (db)			
				75	80	85	75	80	85	75	80	85	75	80	85	75	80	85	
7500 cfm	EA (wb)	58	THC	212.8	212.8	233.6	202.5	202.5	226.1	193.5	193.5	213.4	181.0	181.0	204.5	169.2	169.2	191.2	
			SHC	180.7	207.2	233.6	174.4	200.2	226.1	165.3	189.3	213.4	157.5	181.0	204.5	147.3	169.2	191.2	
		62	THC	224.6	224.6	224.6	211.7	211.7	212.5	199.3	199.3	205.9	187.0	187.0	194.9	173.0	173.0	185.7	
			SHC	163.9	192.8	221.7	156.0	184.2	212.5	149.7	177.8	205.9	141.2	168.0	194.9	133.3	159.5	185.7	
		67	THC	246.8	246.8	246.8	233.3	233.3	233.3	219.0	219.0	219.0	203.6	203.6	203.6	187.5	187.5	187.5	
			SHC	135.4	164.2	192.9	129.8	158.7	187.5	124.0	153.0	182.0	117.8	146.8	175.9	111.4	140.5	169.6	
	72	THC	270.1	270.1	270.1	255.9	255.9	255.9	240.8	240.8	240.8	224.0	224.0	224.0	206.4	206.4	206.4		
		SHC	106.1	133.7	161.2	100.6	128.6	156.6	94.8	123.1	151.5	88.6	117.2	145.8	82.2	111.0	139.7		
	76	THC	—	290.6	290.6	—	275.3	275.3	—	259.3	259.3	—	242.1	242.1	—	222.8	222.8		
		SHC	—	109.1	143.4	—	104.0	132.7	—	98.3	127.7	—	93.1	122.9	—	87.2	114.7		
	8750 cfm	EA (wb)	58	THC	226.1	226.1	251.9	214.8	214.8	242.7	203.7	203.7	230.1	191.8	191.8	216.7	178.6	178.6	201.8
				SHC	194.7	223.3	251.9	186.9	214.8	242.7	177.2	203.7	230.1	166.9	191.8	216.7	155.5	178.6	201.8
62			THC	232.8	232.8	239.5	220.4	220.4	233.3	208.2	208.2	223.3	194.5	194.5	213.4	179.7	179.7	203.2	
			SHC	174.1	206.8	239.5	168.2	200.8	233.3	160.3	191.8	223.3	152.0	182.7	213.4	143.8	173.5	203.2	
67			THC	254.7	254.7	254.7	240.7	240.7	240.7	225.7	225.7	225.7	209.8	209.8	209.8	192.6	192.6	192.6	
			SHC	144.1	178.1	212.0	138.5	172.5	206.6	132.6	166.6	200.7	126.4	160.5	194.5	119.3	153.2	187.1	
72		THC	278.9	278.9	278.9	263.4	263.4	263.4	247.3	247.3	247.3	230.1	230.1	230.1	211.9	211.9	211.9		
		SHC	109.3	142.5	175.6	103.6	137.0	170.4	97.7	131.4	165.0	91.6	125.4	159.2	85.3	119.1	152.9		
76		THC	—	299.1	299.1	—	283.7	283.7	—	266.5	266.5	—	248.0	248.0	—	228.1	228.1		
		SHC	—	112.4	146.7	—	108.2	143.1	—	102.9	134.4	—	97.2	129.9	—	91.0	124.4		
10000 cfm		EA (wb)	58	THC	235.6	235.6	266.2	224.8	224.8	254.0	213.1	213.1	240.7	200.3	200.3	226.4	186.5	186.5	210.7
				SHC	205.0	235.6	266.2	195.6	224.8	254.0	185.4	213.1	240.7	174.3	200.3	226.4	162.3	186.5	210.7
	62		THC	241.0	241.0	256.2	228.1	228.1	250.6	214.6	214.6	241.7	200.9	200.9	232.0	186.7	186.7	218.8	
			SHC	184.2	220.2	256.2	178.6	214.6	250.6	171.3	206.5	241.7	163.8	197.9	232.0	154.4	186.6	218.8	
	67		THC	260.8	260.8	260.8	246.6	246.6	246.6	230.9	230.9	230.9	213.7	213.7	213.7	196.3	196.3	202.2	
			SHC	152.3	191.2	230.1	146.7	185.7	224.6	140.8	179.7	218.7	133.7	172.5	211.3	126.0	164.1	202.2	
	72	THC	284.5	284.5	284.5	269.1	269.1	269.1	252.3	252.3	252.3	234.9	234.9	234.9	215.6	215.6	215.6		
		SHC	111.8	150.1	188.5	106.3	144.8	183.3	100.4	139.1	177.7	94.4	133.1	171.8	87.8	126.6	165.4		
	76	THC	—	305.1	305.1	—	289.3	289.3	—	271.6	271.6	—	252.4	252.4	—	232.0	232.0		
		SHC	—	116.6	151.8	—	111.9	148.7	—	106.5	144.1	—	100.6	138.8	—	94.3	132.8		
	11250 cfm	EA (wb)	58	THC	244.4	244.4	276.1	232.9	232.9	263.1	220.4	220.4	249.0	207.0	207.0	233.9	192.5	192.5	217.5
				SHC	212.6	244.4	276.1	202.6	232.9	263.1	191.8	220.4	249.0	180.1	207.0	233.9	167.5	192.5	217.5
62			THC	246.6	246.6	277.7	234.0	234.0	269.3	221.1	221.1	256.6	207.2	207.2	241.9	192.6	192.6	225.9	
			SHC	197.0	237.3	277.7	190.3	229.8	269.3	181.4	219.0	256.6	170.8	206.3	241.9	159.3	192.6	225.9	
67			THC	265.5	265.5	265.5	250.5	250.5	250.5	234.2	234.2	234.9	217.5	217.5	226.4	200.1	200.1	213.8	
			SHC	160.0	203.7	247.4	154.4	198.1	241.8	147.8	191.4	234.9	140.4	183.4	226.4	131.0	172.4	213.8	
72		THC	289.3	289.3	289.3	273.3	273.3	273.3	256.2	256.2	256.2	238.2	238.2	238.2	218.6	218.6	218.6		
		SHC	114.1	157.4	200.6	108.6	152.0	195.3	102.8	146.2	189.7	96.8	140.2	183.7	90.3	133.7	177.1		
76		THC	—	310.5	310.5	—	293.3	293.3	—	274.9	274.9	—	255.3	255.3	—	234.9	234.9		
		SHC	—	120.2	161.7	—	114.9	157.2	—	109.3	152.1	—	103.4	146.5	—	97.1	140.4		
12500 cfm		EA (wb)	58	THC	251.7	251.7	284.4	239.7	239.7	270.9	226.8	226.8	256.3	210.3	210.3	240.7	197.8	197.8	223.5
				SHC	219.0	251.7	284.4	208.6	239.7	270.9	197.4	226.8	256.3	185.4	213.0	240.7	172.1	197.8	223.5
	62		THC	253.3	253.3	289.5	240.9	240.9	278.7	228.3	228.3	260.4	213.1	213.1	249.9	197.7	197.7	231.8	
			SHC	205.5	247.5	289.5	197.2	237.9	278.7	184.9	222.6	260.4	176.3	213.1	249.9	163.5	197.7	231.8	
	67		THC	269.7	269.7	269.7	253.6	253.6	257.4	237.5	237.5	249.7	220.4	220.4	237.9	203.6	203.6	224.0	
			SHC	167.6	216.0	264.3	161.2	209.3	257.4	154.3	202.0	249.7	145.3	191.6	237.9	135.7	179.9	224.0	
	72	THC	293.0	293.0	293.0	276.8	276.8	276.8	259.2	259.2	259.2	241.3	241.3	241.3	220.8	220.8	220.8		
		SHC	116.2	164.1	212.1	110.7	158.8	206.8	105.0	153.0	201.1	99.0	147.0	195.1	92.4	140.3	188.2		
	76	THC	—	313.8	313.8	—	296.8	296.8	—	278.4	278.4	—	258.4	258.4	—	237.3	237.3		
		SHC	—	122.7	169.5	—	117.6	164.9	—	112.0	159.7	—	106.0	153.9	—	99.5	147.4		

LEGEND

- db — dry bulb
- EA — Entering Air (°F)
- SHC — Sensible Heat Capacity (1000 Btuh) gross
- THC — Total Capacity (1000 Btuh) gross
- wb — wet bulb



# Performance data (cont)

569J\*28T/524J\*28A Stage 1 Combination Ratings — 60 Hz

569J*28T/524J*28A				AMBIENT TEMPERATURE (°F)															
				85			95			105			115			125			
				EA (db)			EA (db)			EA (db)			EA (db)			EA (db)			
				75	80	85	75	80	85	75	80	85	75	80	85	75	80	85	
7500 cfm	EA (wb)	58	THC	91.8	91.8	106.0	92.3	92.3	107.0	90.8	90.8	109.9	92.4	92.4	105.4	90.7	90.7	110.1	
			SHC	70.1	88.0	106.0	70.6	88.8	107.0	71.3	90.6	109.9	70.0	87.7	105.4	71.3	90.7	110.1	
		62	THC	91.0	91.0	101.0	91.0	91.0	100.9	91.0	91.0	101.1	91.0	91.0	100.9	91.0	91.0	101.0	
			SHC	54.7	77.9	101.0	54.7	77.8	100.9	54.7	77.9	101.1	54.7	77.8	100.9	54.7	77.9	101.0	
		67	THC	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8
			SHC	42.2	64.9	87.5	42.2	64.9	87.5	42.3	64.9	87.6	42.3	65.0	87.7	42.3	65.0	87.7	
	72	THC	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2	109.2	
		SHC	31.2	52.0	72.7	31.2	52.0	72.7	31.2	51.9	72.6	31.2	52.0	72.7	31.2	52.0	72.7		
	76	THC	—	117.3	117.3	—	117.3	117.3	—	117.3	117.3	—	117.3	117.3	—	117.3	117.3		
		SHC	—	41.7	76.1	—	41.7	76.1	—	41.7	76.1	—	41.7	76.1	—	41.7	76.1		
	8750 cfm	EA (wb)	58	THC	96.3	96.3	116.2	96.3	96.3	116.2	96.3	96.3	116.2	96.3	96.3	116.2	96.3	96.3	116.2
				SHC	76.5	96.3	116.2	76.5	96.3	116.2	76.4	96.3	116.2	76.4	96.3	116.2	76.5	96.3	116.2
62			THC	95.6	95.6	115.2	95.5	95.5	115.2	95.5	95.5	115.3	95.6	95.6	115.2	95.6	95.6	115.2	
			SHC	63.0	89.1	115.2	63.0	89.1	115.2	63.0	89.1	115.3	62.9	89.1	115.2	63.0	89.1	115.2	
67			THC	103.1	103.1	103.1	103.1	103.1	103.1	103.1	103.1	103.1	103.1	103.1	103.1	103.1	103.1	103.1	
			SHC	44.5	71.0	97.5	44.6	71.0	97.5	44.6	71.1	97.6	44.5	71.1	97.7	44.6	71.1	97.6	
72		THC	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7	112.7		
		SHC	30.1	55.7	81.3	30.1	55.7	81.3	30.1	55.7	81.3	30.1	55.7	81.3	30.1	55.7	81.3		
76		THC	—	120.7	120.7	—	120.7	120.7	—	120.7	120.7	—	120.7	120.7	—	120.7	120.7		
		SHC	—	42.5	83.8	—	42.5	83.8	—	42.5	83.8	—	42.5	83.8	—	42.5	83.8		
10000 cfm		EA (wb)	58	THC	100.5	100.5	120.6	100.5	100.5	120.7	100.4	100.4	120.6	100.4	100.4	120.6	100.4	100.4	120.6
				SHC	80.3	100.5	120.6	80.3	100.5	120.7	80.3	100.4	120.6	80.3	100.4	120.6	80.3	100.4	120.6
	62		THC	100.7	100.7	126.7	101.9	101.9	120.2	101.2	101.2	122.8	102.8	102.8	122.3	101.1	101.1	123.9	
			SHC	73.5	100.1	126.7	71.3	95.8	120.2	72.2	97.5	122.8	72.3	97.3	122.3	72.5	98.2	123.9	
	67		THC	105.8	105.8	107.2	105.8	105.8	107.2	105.8	105.8	107.2	105.8	105.8	107.2	105.9	105.9	107.2	
			SHC	47.3	77.3	107.2	47.2	77.2	107.2	47.3	77.2	107.2	47.2	77.2	107.2	47.3	77.2	107.2	
	72	THC	115.2	115.2	115.2	115.4	115.4	115.4	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2		
		SHC	29.7	59.2	88.6	29.7	59.2	88.6	29.7	59.2	88.6	29.7	59.2	88.6	29.7	59.1	88.6		
	76	THC	—	122.9	122.9	—	123.0	123.0	—	122.9	122.9	—	122.9	122.9	—	123.0	123.0		
		SHC	—	43.9	69.4	—	43.9	69.3	—	43.9	69.4	—	43.9	69.4	—	43.9	69.3		
	11250 cfm	EA (wb)	58	THC	103.7	103.7	124.0	103.8	103.8	124.2	103.8	103.8	124.1	103.7	103.7	124.1	103.7	103.7	124.1
				SHC	83.4	103.7	124.0	83.5	103.8	124.2	83.4	103.8	124.1	83.4	103.7	124.1	83.4	103.7	124.1
62			THC	106.0	106.0	122.6	103.8	103.8	130.8	103.8	103.8	130.9	103.8	103.8	130.9	103.8	103.8	130.9	
			SHC	74.0	98.3	122.6	76.7	103.8	130.8	76.8	103.8	130.9	76.8	103.8	130.9	76.8	103.8	130.9	
67			THC	107.8	107.8	114.6	107.8	107.8	115.0	107.9	107.9	116.6	107.8	107.8	116.3	107.9	107.9	116.5	
			SHC	50.1	82.4	114.6	50.2	82.6	115.0	50.6	83.6	116.6	50.5	83.4	116.3	50.6	83.5	116.5	
72		THC	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3	117.3		
		SHC	29.3	62.2	95.0	29.3	62.2	95.0	29.3	62.2	95.0	29.3	62.2	95.0	29.3	62.2	95.0		
76		THC	—	124.9	124.9	—	125.0	125.0	—	124.9	124.9	—	124.9	124.9	—	124.9	124.9		
		SHC	—	44.6	75.7	—	44.6	75.5	—	44.6	75.7	—	44.6	75.7	—	44.6	75.7		
12500 cfm		EA (wb)	58	THC	106.5	106.5	126.9	106.5	106.5	126.9	106.6	106.6	127.1	106.6	106.6	127.1	106.5	106.5	127.0
				SHC	86.0	106.5	126.9	86.0	106.5	126.9	86.1	106.6	127.1	86.1	106.6	127.1	86.1	106.5	127.0
	62		THC	107.8	107.8	125.6	106.7	106.7	133.9	106.5	106.5	133.8	106.7	106.7	133.9	106.6	106.6	133.8	
			SHC	76.2	100.9	125.6	79.4	106.7	133.9	79.3	106.5	133.8	79.4	106.7	133.9	79.3	106.6	133.8	
	67		THC	109.7	109.7	125.6	109.7	109.7	125.7	109.7	109.7	125.7	109.7	109.7	125.8	109.7	109.7	125.6	
			SHC	53.9	89.7	125.6	54.0	89.8	125.7	54.0	89.8	125.7	54.0	89.9	125.8	54.0	89.8	125.6	
	72	THC	118.8	118.8	118.8	118.8	118.8	118.8	118.8	118.8	118.8	118.8	118.8	118.8	118.8	118.8	118.8		
		SHC	28.8	64.8	100.8	28.8	64.8	100.8	28.8	64.8	100.8	28.8	64.8	100.8	28.8	64.8	100.8		
	76	THC	—	126.5	126.5	—	126.6	126.6	—	127.4	127.4	—	126.6	126.6	—	126.5	126.5		
		SHC	—	44.7	80.0	—	44.7	80.0	—	45.0	80.2	—	44.7	80.0	—	44.7	80.0		

LEGEND

- db — dry bulb
- EA — Entering Air (°F)
- SHC — Sensible Heat Capacity (1000 Btuh) gross
- THC — Total Capacity (1000 Btuh) gross
- wb — wet bulb

# Electrical data

## 569J\*07-14 Single Circuit Units Without Powered Convenience Outlet

UNIT SIZE	NUMBER OF STAGES	V-Ph-Hz	VOLTAGE RANGE		COMPRESSOR NO. 1		COMPRESSOR NO. 2		OFM		POWER SUPPLY		DISCONNECT SIZE	
			Min	Max	RLA	LRA	RLA	LRA	Qty	FLA (ea)	MCA	Fuse or HACR Breaker	FLA	LRA
07	2	208/230-3-60	187	253	17.5	136	—	—	2	1.5	25/25	30/30	24/24	142/142
		460-3-60	414	506	8.4	66	—	—	2	0.8	13	20	12	70
		575-3-60	518	633	6.3	55	—	—	2	0.7	10	15	9	59
08	2	208/230-3-60	187	253	26.8	164	—	—	2	1.5	37/37	60/60	34/34	170/170
		460-3-60	414	506	12.6	100	—	—	2	0.8	18	25	16	104
		575-3-60	518	633	9.9	78	—	—	2	0.7	14	20	13	82
12	2	208/230-3-60	187	253	33.2	240	—	—	2	1.5	45/45	60/60	42/42	246/246
		460-3-60	414	506	15.1	130	—	—	2	0.8	21	30	19	134
		575-3-60	518	633	11.4	94	—	—	2	0.7	16	25	15	98
14	2	208/230-3-60	187	253	19.6	136	19.6	136	2	1.5	48/48	60/60	49/49	278/278
		460-3-60	414	506	8.2	66	8.2	66	2	0.8	21	25	21	136
		575-3-60	518	633	6.6	55	6.6	55	2	0.7	17	20	17	114

## 569J\*07-14 Single Circuit Units With Powered Convenience Outlet

UNIT SIZE	NUMBER OF STAGES	V-Ph-Hz	VOLTAGE RANGE		COMPRESSOR NO. 1		COMPRESSOR NO. 2		OFM		POWER SUPPLY		DISCONNECT SIZE	
			Min	Max	RLA	LRA	RLA	LRA	Qty	FLA (ea)	MCA	Fuse or HACR Breaker	FLA	LRA
07	2	208/230-3-60	187	253	17.5	136	—	—	2	1.5	30/30	45/45	29/29	147/147
		460-3-60	414	506	8.4	66	—	—	2	0.8	15	20	14	72
		575-3-60	518	633	6.3	55	—	—	2	0.7	11	15	11	61
08	2	208/230-3-60	187	253	26.8	164	—	—	2	1.5	42/42	60/60	40/40	175/175
		460-3-60	414	506	12.6	100	—	—	2	0.8	20	30	19	106
		575-3-60	518	633	9.9	78	—	—	2	0.7	16	25	15	84
12	2	208/230-3-60	187	253	33.2	240	—	—	2	1.5	50/50	60/60	47/47	251/251
		460-3-60	414	506	15.1	130	—	—	2	0.8	23	30	22	136
		575-3-60	518	633	11.4	94	—	—	2	0.7	18	25	17	100
14	2	208/230-3-60	187	253	19.6	136	19.6	136	2	1.5	52/52	60/60	54/54	283/283
		460-3-60	414	506	8.2	66	8.2	66	2	0.8	23	30	23	138
		575-3-60	518	633	6.6	55	6.6	55	2	0.7	18	20	19	116

### LEGEND

**FLA** — Full Load Amps  
**LRA** — Locked Rotor Amps  
**OFM** — Outdoor Fan Motor

# Electrical data (cont)

## 569J\*16/25A Single Circuit Units Without Powered Convenience Outlet

UNIT SIZE	NUMBER OF STAGES	NOMINAL POWER SUPPLY	VOLTAGE RANGE		COMPRESSOR NO. 1		COMPRESSOR NO. 2		OFM		POWER SUPPLY		DISCONNECT SIZE	
		Volts	Min	Max	RLA	LRA	RLA	LRA	Qty	FLA (ea)	MCA	Fuse or HACR Brkr	FLA	LRA
16	2	208/230-3-60	187	253	25.0	164	25.0	164	3	1.5	60.8/60.8	80/80	63/63	337/337
	2	460-3-60	414	506	12.2	100	12.2	100	3	0.8	29.9	40	31	206
	2	575-3-60	518	633	9.0	78	9.0	78	3	0.7	22.4	30	23	162
25	2	208/230-3-60	187	253	30.1	225	30.1	225	4	1.5	73.7/73.7	100/100	76/76	462/462
	2	460-3-60	414	506	16.7	114	16.7	114	4	0.8	40.8	50	42	236
	2	575-3-60	518	633	12.2	80	12.2	80	4	0.7	30.3	40	31	168

## 569J\*16/25A Single Circuit Units With Powered Convenience Outlet

UNIT SIZE	NUMBER OF STAGES	NOMINAL POWER SUPPLY	VOLTAGE RANGE		COMPRESSOR NO. 1		COMPRESSOR NO. 2		OFM		POWER SUPPLY		DISCONNECT SIZE	
		Volts	Min	Max	RLA	LRA	RLA	LRA	Qty	FLA (ea)	MCA	Fuse or HACR Brkr	FLA	LRA
16	2	208/230-3-60	187	253	25.0	164	25.0	164	3	1.5	65.6/65.6	90/90	68/68	342/342
	2	460-3-60	414	506	12.2	100	12.2	100	3	0.8	32.1	40	33	208
	2	575-3-60	518	633	9.0	78	9.0	78	3	0.7	24.1	30	25	164
25	2	208/230-3-60	187	253	30.1	225	30.1	225	4	1.5	78.5/78.5	100/100	82/82	467/467
	2	460-3-60	414	506	16.7	114	16.7	114	4	0.8	43	50	45	238
	2	575-3-60	518	633	12.2	80	12.2	80	4	0.7	32	40	33	170

## 569J\*12/14M Dual Circuit Without Powered Convenience Outlet

UNIT SIZE	NUMBER OF STAGES	NOMINAL POWER SUPPLY	VOLTAGE RANGE		COMPRESSOR NO. 1		COMPRESSOR NO. 2		OFM		POWER SUPPLY		DISCONNECT SIZE	
		Volts	Min	Max	RLA	LRA	RLA	LRA	Qty	FLA (ea)	MCA	Fuse or HACR Brkr	FLA	LRA
12	3	208/230-3-60	187	253	16.4	110	15.6	110	2	1.5	40/40	50/50	40/40	226/226
	3	460-3-60	414	506	6.8	55	7.7	52	2	0.8	18	25	19	111
	3	575-3-60	518	633	6.4	48	5.8	39	2	0.7	16	20	16	91
14	3	208/230-3-60	187	253	17.5	136	19.6	136	2	1.5	45/45	60/60	46/46	278/278
	3	460-3-60	414	506	8.4	66	8.2	66	2	0.8	21	25	21	136
	3	575-3-60	518	633	6.6	55	6.6	55	2	0.7	17	20	17	114

## 569J\*12/14M Dual Circuit With Powered Convenience Outlet

UNIT SIZE	NUMBER OF STAGES	NOMINAL POWER SUPPLY	VOLTAGE RANGE		COMPRESSOR NO. 1		COMPRESSOR NO. 2		OFM		POWER SUPPLY		DISCONNECT SIZE	
		Volts	Min	Max	RLA	LRA	RLA	LRA	Qty	FLA (ea)	MCA	Fuse or HACR Brkr	FLA	LRA
12	3	208/230-3-60	187	253	16.4	110	15.6	110	2	1.5	44/44	60/60	46/46	231/231
	3	460-3-60	414	506	6.8	55	7.7	52	2	0.8	21	25	21	113
	3	575-3-60	518	633	6.4	48	5.8	39	2	0.7	17	20	18	93
14	3	208/230-3-60	187	253	17.5	136	19.6	136	2	1.5	50/50	60/60	52/52	283/283
	3	460-3-60	414	506	8.4	66	8.2	66	2	0.8	23	30	23	138
	3	575-3-60	518	633	6.6	55	6.6	55	2	0.7	18	20	19	116

### LEGEND

HACR	— Heating, Air Conditioning and Refrigeration
FLA	— Full Load Amps
LRA	— Locked Rotor Amps
MCA	— Minimum Circuit Amps
OFM	— Outdoor Fan Motor
RLA	— Rated Load Amps

# Electrical data (cont)

## 569J\*16-28T Dual Circuit Without Powered Convenience Outlet

UNIT SIZE	NUMBER OF STAGES	NOMINAL POWER SUPPLY Volts	VOLTAGE RANGE		COMPRESSOR NO. 1		COMPRESSOR NO. 2		OFM		POWER SUPPLY		DISCONNECT SIZE	
			Min	Max	RLA	LRA	RLA	LRA	Qty	FLA (ea)	MCA	Fuse or HACR Brkr	FLA	LRA
16	3	208/230-3-60	187	253	26.8	164	25.0	164	3	1.5	63/63	80/80	65/65	337/337
	3	460-3-60	414	506	12.0	94	12.2	100	3	0.8	29.7	40	31	200
	3	575-3-60	518	633	9.0	65	9.9	78	3	0.7	23.5	30	24	149
25	3	208/230-3-60	187	253	32.5	240	28.2	240	4	1.5	74.8/74.8	100/100	77/77	492/492
	3	460-3-60	414	506	14.8	130	14.7	130	4	0.8	36.4	50	38	268
	3	575-3-60	518	633	11.1	94	11.3	94	4	0.7	28.0	35	29	196
28	3	208/230-3-60	187	253	35.3	240	48.4	245	4	1.5	101.8/101.8	150/150	103/103	497/497
	3	460-3-60	414	506	17.0	140	19.0	125	4	0.8	44.0	60	45	273
	3	575-3-60	518	633	13.0	108	16.0	100	4	0.7	35.8	50	37	216

## 569J\*16-28T Dual Circuit With Powered Convenience Outlet

UNIT SIZE	NUMBER OF STAGES	NOMINAL POWER SUPPLY Volts	VOLTAGE RANGE		COMPRESSOR NO. 1		COMPRESSOR NO. 2		OFM		POWER SUPPLY		DISCONNECT SIZE	
			Min	Max	RLA	LRA	RLA	LRA	Qty	FLA (ea)	MCA	Fuse or HACR Brkr	FLA	LRA
16	3	208/230-3-60	187	253	26.8	164	25.0	164	3	1.5	67.8/67.8	90/90	70/70	342/342
	3	460-3-60	414	506	12.0	94	12.2	100	3	0.8	31.9	40	33	202
	3	575-3-60	518	633	9.0	65	9.9	78	3	0.7	25.2	30	26	151
25	3	208/230-3-60	187	253	32.5	240	28.2	240	4	1.5	79.6/79.6	100/100	82/82	497/497
	3	460-3-60	414	506	14.8	130	14.7	130	4	0.8	38.6	50	40	270
	3	575-3-60	518	633	11.1	94	11.3	94	4	0.7	29.7	40	31	198
28	3	208/230-3-60	187	253	35.3	240	48.4	245	4	1.5	106.6/106.6	150/150	109/109	502/502
	3	460-3-60	414	506	17.0	140	19.0	125	4	0.8	46.2	60	48	275
	3	575-3-60	518	633	13.0	108	16.0	100	4	0.7	37.5	50	39	218

### LEGEND

HACR	— Heating, Air Conditioning and Refrigeration
FLA	— Full Load Amps
LRA	— Locked Rotor Amps
MCA	— Minimum Circuit Amps
OFM	— Outdoor Fan Motor
RLA	— Rated Load Amps

# Application data

## Operating Limits

- Maximum outdoor temperature..... 125°F  
 Minimum return-air temperature (524F/524J)..... 55°F  
 Maximum return-air temperature (524F/524J).....95°F  
 Range of acceptable saturation  
 suction temperature..... 20 to 50°F  
 Maximum discharge temperature..... 275°F  
 Minimum discharge superheat..... 60°F
1. Select air handler at no less than 300 cfm/ton (nominal condensing unit capacity).
  2. Total combined draw of the field-supplied liquid line solenoid valve and air handler fan contactor must not exceed 22 va. If the specified va must be exceeded, use a remote relay to control the load.

### Minimum Outdoor-Air Operating Temperature

UNIT 569J	MAXIMUM OUTDOOR TEMP (°F)	
	Std	With Motormaster® I Control <sup>a</sup>
*07G/H	35	-20°F
*08G/H	35	
*12M/N	35	
*16T/U	35	
*25T/U	35	
*28T/U	35	

NOTE(S):

- a. Wind baffles (field-supplied and field-installed) are recommended for all units with Motormaster® I control. Refer to Low Ambient Temperature Control Installation Instructions for additional information.

## Refrigerant Piping

**IMPORTANT:** Do not bury refrigerant piping underground.

It is recommended that the refrigerant piping for all commercial split systems include a liquid line solenoid valve, a liquid line filter drier and a sight glass.

For refrigerant lines longer than 75 lineal ft, a liquid line solenoid valve installed at the indoor unit and a suction accumulator are required. Refer to the Refrigerant Specialties Part Numbers table.

### Refrigerant Specialties Part Numbers

LIQUID LINE SIZE (in.)	LIQUID LINE SOLENOID VALVE (LLSV)	LLSV COIL	SIGHT GLASS
3/8	EF680033	EF680037	KM680008
1/2	EF680035	EF680037	KM680004
5/8	EF680036	EF680037	KM680005

# Guide specifications

## Commercial Air-Cooled Condensing Units HVAC Guide Specifications

Size Range: 6 to 25 Tons

Bryant Model Numbers: 569J Single Circuit (07-25 Models),  
569J Dual Circuit (12-28 Models)

### Part 1 — GENERAL

#### 1.01 SYSTEM DESCRIPTION

Outdoor-mounted, air-cooled condensing unit suitable for on-the-ground or rooftop installation. Unit shall consist of a hermetic scroll air-conditioning compressor(s) assembly, an air-cooled coil, propeller-type condenser fans, and a control box. Unit shall discharge supply air upward as shown on contract drawings. Unit shall be used in a refrigeration circuit matched with a packaged air-handling unit.

#### 1.02 QUALITY ASSURANCE

- A. Unit shall be rated in accordance with AHRI Standard 340/360.
- B. Unit construction shall comply with ANSI/ASHRAE 15 safety code latest revision and comply with NEC.
- C. Unit shall be constructed in accordance with UL 1995 standard and shall carry the UL and UL, Canada label.
- D. Unit cabinet shall be capable of withstanding 500-hour salt spray exposure per ASTM B117 (scribed specimen).
- E. Air-cooled condenser coils for hermetic scroll compressor units 569J shall be leak tested at 150 psig, and pressure tested at 650 psig.
- F. Unit shall be manufactured in a facility registered to ISO 9001:2015 manufacturing quality standard.

#### 1.03 DELIVERY, STORAGE, AND HANDLING

Unit shall be shipped as single package only, and shall be stored and handled according to unit manufacturer's recommendations.

#### 1.04 WARRANTY (FOR INCLUSION BY SPECIFYING ENGINEER.)

### Part 2 — PRODUCTS

#### 2.01 EQUIPMENT

##### A. General:

Factory-assembled, single piece, air-cooled condensing unit. Contained within the unit enclosure shall be all factory wiring, piping, controls, compressor, holding charge, and special features required prior to field start-up.

##### B. Unit Cabinet:

1. Unit cabinet shall be constructed of galvanized steel, bonderized and coated with a prepainted baked enamel finish.
2. A heavy-gauge roll-formed perimeter base rail with forklift slots and lifting holes shall be provided to facilitate rigging.

##### C. Condenser Fans:

1. Condenser fans shall be direct driven, propeller type, discharging air vertically upward.
2. Fan blades shall be balanced.
3. Condenser fan discharge openings shall be equipped with PVC-coated steel wire safety guards.
4. Condenser fan and motor shaft shall be corrosion resistant.

##### D. Compressor:

1. Compressor shall be of the hermetic scroll type.
2. Compressor shall be mounted on rubber grommets.
3. Compressors shall include overload protection.
4. Compressors shall be equipped with a crankcase heater.
5. Compressor shall be equipped with internal high pressure and high temperature protection.

##### E. Condenser Coils and Pre-coated Coils:

1. Standard Aluminum fin - Copper Tube Coils:
  - a. Standard evaporator and condenser coils shall have aluminum lanced plate fins mechanically bonded to seamless internally grooved copper tubes with all joints brazed.
  - b. Evaporator coils shall be leak tested to 150 psig, pressure tested to 450 psig, and qualified to UL 1995 burst test at 1775 psig.
  - c. Condenser coils shall be leak tested to 150 psig, pressure tested to 650 psig, and qualified to UL 1995 burst test at 1980 psig.
2. Optional Pre-coated aluminum-fin condenser coils:
  - a. Shall have a durable epoxy-phenolic coating to provide protection in mildly corrosive coastal environments.
  - b. Coating shall be applied to the aluminum fin stock prior to the fin stamping process to create and inert barrier between the aluminum fin and copper tube.
  - c. Epoxy-phenolic barrier shall minimize galvanic action between dissimilar metals.
3. Optional copper-fin evaporator and condenser coils:
  - a. Shall be constructed of copper fins mechanically bonded to copper tubes and copper tube sheets.
  - b. Galvanized steel tube sheets shall not be acceptable.
  - c. A polymer strip shall prevent coil assembly from contacting the sheet metal coil pan to minimize potential for galvanic corrosion between coil and pan.

## Guide specifications (cont)

4. Optional e-coated aluminum-fin evaporator and condenser coils:
    - a. Shall have a flexible epoxy polymer coating uniformly applied to all coil surface areas without material bridging between fins.
    - b. Coating process shall ensure complete coil encapsulation of tubes, fins and headers.
    - c. Color shall be high gloss black with gloss per ASTM D523-89.
    - d. Uniform dry film thickness from 0.8 to 1.2 mil on all surface areas including fin edges.
    - e. Superior hardness characteristics of 2H per ASTM D3363-92A and cross-hatch adhesion of 4B-5B per ASTM D3359-93.
    - f. Impact resistance shall be up to 160 in.-lb (ASTM D2794-93).
    - g. Humidity and water immersion resistance shall be up to minimum 1000 and 250 hours respectively (ASTM D2247-92 and ASTM D870-92).
    - h. Corrosion durability shall be confirmed through testing to be no less than 1000 hours salt spray per ASTM B117-90.
  5. Optional E-coated aluminum-fin, aluminum tube condenser coils:
    - a. Shall have a flexible epoxy polymer coating uniformly applied to all coil external surface areas without material bridging between fins or louvers.
    - b. Coating process shall ensure complete coil encapsulation, including all exposed fin edges.
    - c. E-coat thickness of 0.8 to 1.2 mil with top coat having a uniform dry film thickness from 1.0 to 2.0 mil on all external coil surface areas, including fin edges, shall be provided.
    - d. Shall have superior hardness characteristics of 2H per ASTM D3363-00 and cross-hatch adhesion of 4B-5B per ASTM D3359-02.
    - e. Shall have superior impact resistance with no cracking, chipping or peeling per NSF/ANSI 51-2002 Method 10.2.
- F. Refrigeration Components:
- Refrigeration circuit components shall include liquid line service valve, suction line service valve, a full charge of compressor oil, and a partial holding charge of refrigerant.
- G. Controls and Safeties:
1. Minimum control functions shall include:
    - a. Control wire terminal blocks.
    - b. Compressor lockout on auto-reset safety until reset from thermostat.
    - c. Each unit shall utilize the Comfort Alert™ Diagnostic Board that provides:
      - 1) System Pressure Trip fault code indication
      - 2) Short Cycling fault code indication
      - 3) Locked Rotor fault code indication
      - 4) Open Circuit fault code indication
      - 5) Reverse Phase 3 fault code indication
      - 6) Welded Contactor fault code indication
      - 7) Low Voltage fault code indication
      - 8) Anti-short cycle protection
      - 9) Phase reversal protection
    - d. Minimum safety devices which are equipped with automatic reset (after resetting first at thermostat), shall include:
      - 1) High discharge pressure cutout.
      - 2) Low pressure cutout.
- H. Operating Characteristics:
1. The capacity of the condensing unit shall meet or exceed \_\_\_\_\_ Btuh at a suction temperature of \_\_\_\_\_ °F/°C. The power consumption at full load shall not exceed \_\_\_\_\_ kW.
  2. The combination of the condensing unit and the evaporator or fan coil unit shall have a total net cooling capacity of \_\_\_\_\_ Btuh or greater at conditions of \_\_\_\_\_ cfm entering-air temperature at the evaporator at \_\_\_\_\_ °F/°C wet bulb and \_\_\_\_\_ °F/°C dry bulb, and air entering the condensing unit at \_\_\_\_\_ °F/°C.
  3. The system shall have an EER of \_\_\_\_\_ Btuh/Watt or greater at standard AHRI conditions.
  4. Standard unit shall be capable to operate up to 125°F (52°C) and down to 40°F (4°C)
- I. Electrical Requirements:
1. Nominal unit electrical characteristics shall be \_\_\_\_\_ v, 3-ph, \_\_\_\_\_ Hz. The unit shall be capable of satisfactory operation within voltage limits of \_\_\_\_\_ v to \_\_\_\_\_ v.
  2. Unit electrical power shall be single-point connection.
  3. Unit control circuit shall contain a 24-v transformer for unit control.



# Guide specifications (cont)

## J. Special Features:

### 1. Low-Ambient Temperature Control:

A low-ambient temperature control shall be available as a factory-installed option or as a field-installed accessory. This low-ambient control shall regulate speed of the condenser-fan motors in response to the saturated condensing temperature of the unit. The control shall maintain correct condensing pressure at outdoor temperatures down to  $-20^{\circ}\text{F}$  ( $-29^{\circ}\text{C}$ ).

### 2. Unit-Mounted, Non-Fused Disconnect Switch:

Switch shall be factory-installed and internally mounted. NEC and UL-approved non-fused switch

shall provide unit power shutoff. Switch shall be accessible from outside the unit and shall provide power off lockout capability. Non-fused disconnect cannot be used when unit MOCP electrical rating exceeds 80 amps.

### 3. Louvered Hail Guard Package:

Louvered hail guard package shall protect coils against damage from hail and other flying debris.

### 4. Condenser Coil Grille:

Grille shall add decorative appearance to unit and protect condenser coil from large objects and vandalism.





