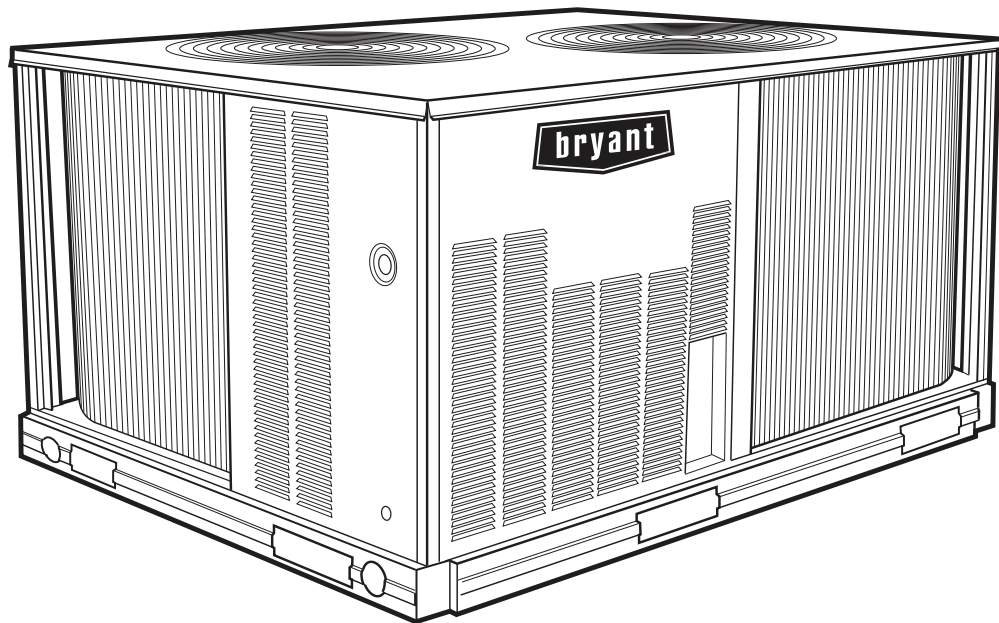


569J
Commercial Split Systems
Air Conditioning Condensing Units
6 to 20 Tons



Product Data

LEGACY™
LINE



569J*07-14 Shown

FEATURES/BENEFITS

Bryant's air-cooled air conditioning split systems:

- Provide a logical solution for commercial needs
- Have a rugged, dependable construction
- Are available in single and circuit scroll compressor capacity control
- Have cooling capability up to 125°F (52°C) ambient and down to 40°F (4°C) ambient standard.

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

Constructed for long life

The 569J*(A,B,G,H) single circuit and 569J*(D,E,F) dual circuit, scroll compressor models 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 prepainted 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 troubleshoot 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
- 115-v GFI (ground fault interrupter) convenience outlet, powered and non-powered available
- 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 524J packaged air handlers are custom matched to 569J* condensing units.

Information on matching 524J DX packaged air handler follows for convenience. See separate product data for more details. The 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 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. (51mm) 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 controlled ventilation.

Economy

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

Quick installation is ensured by the multipoise 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 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.

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Rugged dependability

The 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 (524J*14) are securely fastened to the solid steel fan shaft with split collets and clamp locking devices. Smaller unit sizes have spider-type bearings.

Coil flexibility

Model 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
5	6	9	J	E	1	4	A	0	0	0	P	0	0	A	0	A

Model

Bryant Condensing Unit Puron®
R-410A Refrigerant

Voltage

E = 460-3-60
P = 208/230-3-60
T = 575-3-60

Nominal Tonnage

07 = 6 Tons	14 = 12.5 Tons
08 = 7.5 Tons	16 = 15 Tons
12 = 10 Tons	25 = 20 Tons

Refrigerant Circuit

A = Single Circuit
B = Single Circuit with Low Ambient Controller
D = Dual Circuit
E = Dual Circuit with Low Ambient controller
F = Dual Circuit with Hot Gas By-Pass
(12, 16 and 25 models only)
G = Single circuit two-stage (07, 08 models only)
H = Single circuit two-stage with Low Ambient Controls
(07, 08 models only)

Factory Assigned

0 = Default

Factory Assigned

0 = Default

Factory Assigned

0 = Default

Packaging

A = Standard
B = LTL

Base Unit Controls

0 = None

Electrical Options

A = None
C = Non-Fused Disconnect

Service Options

0 = None
1 = Unpowered Convenience Outlet
2 = Powered Convenience Outlet

Factory Assigned

0 = Default

Round Tube/Plate Fin (RTPF) Coil Options

A = Al/Cu Standard
B = Pre Coated Al/Cu
C = E-Coated Al/Cu
E = Cu/Cu
M = Al/Cu Standard with Louvered Hail Guard
N = Pre-Coated Al/Cu with Louvered Hail Guard
P = E-Coated Al/Cu with Louvered Hail Guard
R = Cu/Cu - Louvered Hail Guard

AHRI CAPACITY RATINGS

AHRI CAPACITY RATINGS

UNIT	COOLING STAGES	NOMINAL CAPACITY (TONS)	NET COOLING CAPACITY (MBH)	TOTAL POWER (kW)	EER	IEER	IEER WITH 2-SPEED VFD
569J*07(A,B)/524J*07	1	6.0	70.0	6.1	11.5	12.2	12.9
569J*08(A,B)/524J*08	1	7.5	92.0	8.2	11.2	11.8	12.9
569J*12(A,B)/524J*12	1	10.0	117.0	10.4	10.3	12.0	12.9
569J*14(A,B)/524J*14	1	12.5	148.0	13.5	11.0	12.0	12.4
569J*16(A,B)/524J*16	2	15.0	184.0	16.4	11.2	13.2	14.3
569J*25(A,B)/524J*25	2	20.0	240.0	21.8	11.0	12.5	13.6
569J*07(G,H)/524J*07	2	6.0	70.0	5.8	12.0	12.9	14.0
569J*08(G,H)/524J*08	2	7.5	92.0	8.2	11.2	13.0	14.0
569J*12(D,E)/524J*12	2	10.0	117.0	10.4	10.3	11.6	13.0
569J*14(D,E)/524J*14	2	12.5	148.0	13.5	11.0	12.0	12.5
569J*16(D,E)/524J*16	2	15.0	184.0	16.4	11.2	11.8	14.3
569J*25(D,E)/524J*25	2	20.0	240.0	21.8	11.0	11.2	13.6

LEGEND

- 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



NOTES:

1. Rated in accordance with AHRI Standard 340/360, as appropriate.
2. 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 temperature.

SOUND POWER LEVELS, dB

UNIT	COOLING STAGES	A-WEIGHT OCTAVE OUTDOOR SOUND (DB)								
		TOTAL	63	125	250	500	1000	2000	4000	8000
569J*07A	1&2	84.6	63.1	68.9	73.4	79.5	80.2	76.4	72.0	64.9
569J*08A	1&2	84.6	63.1	68.9	73.4	79.5	80.2	76.4	72.0	64.9
569J*12A	1	83.2	60.4	65.8	77.1	76.8	77.1	75.8	70.2	64.7
569J*12D	2	83.8	62.9	69.6	74.4	77.9	79.3	76.1	70.7	61.1
569J*14A	1	82.6	60.5	65.1	70.3	77.2	78.0	75.4	71.2	63.9
569J*14D	2	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*16D	2	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*25D	2	85.2	64.8	68.9	71.4	82.8	79.0	74.2	69.0	61.8

LEGEND

dB — Decibel

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

PHYSICAL DATA

569J*07-14 PHYSICAL DATA

UNIT	SINGLE CIRCUIT MODELS WITH RTPF — ROUND TUBE/PLATE FIN COIL DESIGN					
	569J*07(A,B)	569J*07(G,H)	569J*08(A,B)	569J*08(G,H)	569J*12(A,B)	569J*14(A,B)
REFRIGERATION SYSTEM						
# Circuits / # Comp. / Type	1 / 1 / Scroll	1 / 1 / Scroll	1 / 1 / Scroll	1 / 1 / Scroll	1 / 1 / Scroll	1 / 1 / Scroll
Refrigerant Type	Puron® R-410A					
R-410A shipping charge A/B (lbs, 60 Hz)	9.0	9.0	9.0	9.0	9.0	9.0
System charge w/ fan coil* (lbs, 60 Hz)	14.0	14.0	17.0	19.0	20.0	43.0
Metering device	TXV	TXV	TXV	TXV	TXV	TXV
High-press. Trip / Reset (psig)	630 / 505	630 / 505	630 / 505	630 / 505	630 / 505	630 / 505
Low-press. Trip / Reset (psig)	54 / 117	54 / 117	54 / 117	54 / 117	54 / 117	54 / 117
COMPRESSOR						
Model	ZP61	ZPS60	ZP83	ZPS83	ZP104	ZP137
Oil Charge A/B (oz)	56	56	60	58	110	110
Speed (rpm, 60 Hz)	3500 / 2900	3500 / 2900	3500 / 2900	3500	3500	3500
CONDENSER COIL						
Material	Al/Cu	Al/Cu	Al/Cu	Al/Cu	Al/Cu	Al/Cu
Coil type	RTPF	RTPF	RTPF	RTPF	RTPF	RTPF
Rows / FPI	2 / 17	2 / 17	2 / 17	2 / 17	2 / 17	3 / 17
total face area (ft ²)	17.5	17.5	17.5	23.0	25.1	31.8
CONDENSER FAN / MOTOR						
Qty / Motor drive type	2 / direct	2 / direct	2 / direct	2 / direct	2 / direct	2 / direct
Motor HP / RPM	1/4 / 1100	1/4 / 1100	1/4 / 1100	1/4 / 1100	1/4 / 1100	1/4 / 1100
Fan diameter (in.)	22	22	22	22	22	22
Nominal Airflow (cfm)	6,000	6,000	6,000	6,000	6,000	6,000
Watts (total)	610	610	610	610	610	610
PIPING CONNECTIONS						
Qty / Suction (in. ODS)	1 / 1 1/8	1 / 1 1/8	1 / 1 1/8	1 / 1 1/8	1 / 1 3/8	1 / 1 3/8
Qty / Liquid (in. ODS)	1 / 3/8	1 / 3/8	1 / 1/2	1 / 1/2	1 / 1/2	1 / 5/8

LEGEND

FPI — Feet per inch
RTPF — Round Tube Plate Fins
TXV — Thermostatic Expansion Valve

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

PHYSICAL DATA (CONT)

569J*12-25 PHYSICAL DATA

UNIT	SINGLE CIRCUIT MODELS WITH RTPF — ROUND TUBE/PLATE FIN COIL DESIGN					
	569J*12D	569J*14D,F	569J*16A	569J*16D,F	569J*25A	569J*25D,F
REFRIGERATION SYSTEM						
# Circuits / # Comp. / Type	2 / 2 / Scroll	2 / 2 / Scroll	1 / 2 / Scroll	2 / 2 / Scroll	1 / 2 / Scroll	2 / 2 / Scroll
Refrigerant Type	Puron® R-410A					
R-410A shipping charge A/B (lbs, 60 Hz)	9.0 / 9.0	9.0 / 9.0	9.0	9.0 / 9.0	9.0	9.0 / 9.0
System charge w/ fan coil* (lbs, 60 Hz)	11.0 / 11.0	22.0 / 22.0	43.0	22.0 / 22.0	38.0	19.0 / 19.0
Metering device	TXV	TXV	TXV	TXV	TXV	TXV
High-press. Trip / Reset (psig)	630 / 505	630 / 505	630 / 505	630 / 505	630 / 505	630 / 505
Low-press. Trip / Reset (psig)	54 / 117	54 / 117	54 / 117	54 / 117	54 / 117	54 / 117
COMPRESSOR						
Model	ZP51 (2)	ZP67 (2)	ZP83 (2)	ZP83 (2)	ZP104 (2)	ZP104 (2)
Oil Charge A/B (oz)	42 / 42	56 / 56	60 / 60	60 / 60	110 / 110	110 / 110
Speed (rpm, 60 Hz)	3500 / 2900	3500 / 2900	3500	3500 / 2900	3500	3500 / 2900
CONDENSER COIL						
Material	Al/Cu	Al/Cu	Al/Cu	Al/Cu	Al/Cu	Al/Cu
Coil type	RTPF	RTPF	RTPF	RTPF	RTPF	RTPF
Rows / FPI	2 / 17	3 / 17	2 / 17	2 / 17	2 / 17	2 / 17
total face area (ft ²)	25.1	31.8	23.5 x 2	23.5 x 2	25.0 x 2	25.0 x 2
CONDENSER FAN / MOTOR						
Qty / Motor drive type	2 / direct	2 / direct	3 / direct	3 / direct	4 / direct	4 / direct
Motor HP / RPM	1/4 / 1100	1/4 / 1100	1/4 / 1100	1/4 / 1100	1/4 / 1100	1/4 / 1100
Fan diameter (in.)	22	22	22	22	22	22
Nominal Airflow (cfm)	6,000	6,000	9,000	9,000	12,000	12,000
Watts (total)	610	610	970	970	1150	1150
PIPING CONNECTIONS						
Qty / Suction (in. ODS)	2 / 1 1/8	2 / 1 3/8	1 / 1 3/8	2 / 1 3/8	1 / 1 5/8	2 / 1 3/8
Qty / Liquid (in. ODS)	2 / 3/8	2 / 1/2	1 / 5/8	2 / 1/2	1 / 5/8	2 / 1/2

LEGEND

FPI — Feet per inch
RTPF — Round Tube Plate Fins
TXV — Thermostatic Expansion Valve

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

524J PHYSICAL DATA

SIZE								
NOMINAL TONNAGE	6	7.5	10	12.5	15	20	25	07
Refrigerant								
Refrigerant Type	Puron® R-410A							
Shipping Charge (lbs)	Nitrogen purge							
Metering Device	TXV							
Operating Charge (lbs)	3.0	3.0	1.5/1.5	2.0/2.0	2.5/2.5	3.5/3.5	4.5/4.5	5.0/5.0
Direct-Expansion Coil								
Max Working Pressure (psig)	650							
Material	Al/Cu							
Coil Type	RTPF							
Face Area (sq ft)	6.67	8.33	10.01	13.25	17.67	19.88	24.86	29.83
No. of Circuits per Split	12	15	9	12	16	18	20	24
Row/Fins per in.	4/15	4/15	4/15	4/15	4/15	4/15	4/15	4/15

PHYSICAL DATA (CONT)

569J 07-25 PIPING RECOMMENDATIONS (SINGLE-CIRCUIT)

MODEL & NOMINAL CAPACITY	LINEAR LINE (FT)	0 - 25	25 - 50	50 - 75	75 - 100	100 - 125	125 - 150	150 - 175	175 - 200
	EQUIV. LINE (FT)	0 - 38	38 - 75	75 - 113	113 - 150	150 - 188	188 - 225	225 - 263	263 - 300
569J*07A TC = 68.5°F SC = 5.57°F	Liquid Line size	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	47 57	54 64	61 71	68 78
	Max Lift PD (F)	3.5	4.6 3.5	3.5 3.5	5.0 5.0	5.0 5.0	5.0 5.0	5.0 5.0	5.0 5.0
	Suction Line size	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"	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	5.4 1.6	6.3 1.8	7.2 2.1
	Charge (lbs)	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(A,B) TC = 91.1°F SC = 11.8°F	Liquid Line size	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 82	74 74
	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 8.5	11.2 8.5
	Suction Line Size	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"	1 1/8" 1 1/8"	1 1/8" 1 1/8"
	Suction Ln PD (F)	1.5	3.1 0.8	4.6 1.2	6.1 1.6	7.6 2.1	9.1 2.5	10.6 2.9	12.1 3.3
	Charge (lbs)	13.6	15.4 16.1	17.2 20.5	19.5 23.3	21.5 27.1	23.4 30.2	25.4 33.2	27.3 36.3
	#/TR	1.78	2.02 2.11	2.25 2.68	2.55 3.05	2.81 3.54	3.06 3.95	3.32 4.34	3.57 4.75
569J*08(G,H) TC = 92.0°F SC = 11.3°F	Liquid Line size	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 82	74 74
	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 8.5	11.2 8.5
	Suction Line Size	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"	1 1/8" 1 1/8"	1 1/8" 1 1/8"
	Suction Ln PD (F)	1.5	3.1 0.8	4.6 1.2	6.1 1.6	7.6 2.1	9.1 2.5	10.6 2.9	12.1 3.3
	Charge (lbs)	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 TC = 113.1°F SC = 7.1°F	Liquid Line size	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	6.6 1.8	7.5 2.1
	Max Lift (ft)	25	40 50	54 28	68 34	82 22	96 11	110 63	124 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 6.4	6.4 6.4	6.4 6.4
	Suction Line size	7/8"	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"	1 1/8" 1 1/8"	1 1/8" 1 1/8"
	Suction Ln PD (F)	2.4	4.8 1.2	6.2 1.8	7.6 2.4	9.0 3.1	10.4 3.7	11.8 4.3	13.2 4.9
	Charge (lbs)	15.7	17.5 19.7	19.8 23.1	21.6 26.1	23.6 29.2	25.5 32.3	34.1 41.9	36.9 45.7
	#/TR	1.67	1.86 2.09	2.10 2.45	2.29 2.77	2.50 3.10	2.71 3.43	3.02 3.75	3.32 4.08
569J*14 TC = 146.1°F SC = 3.9°F	Liquid Line size	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"	5/8" 3/4"
	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	3.2 1.7
	Max Lift (ft)	23	16 23	10 18	28 38	36 21	44 14	52 9	60 25
	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	1 1/8"	1 1/8" 1 3/8"	1 1/8" 1 3/8"	1 3/8" 1 3/8"	1 3/8" 1 3/8"	1 3/8" 1 3/8"	1 3/8" 1 3/8"	1 3/8" 1 3/8"
	Suction Ln PD (F) (Cap Red)	1.1	2.2 0.8	3.3 (-2.3%)	4.4 1.2	5.5 1.6	6.6 2.0	7.7 2.4 (-0.7%)	8.8 2.8 (-1.4%)
	Charge (lbs)	31.8	34.7 37.6	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	2.62	2.86 3.09	3.09 3.44	3.38 3.79	3.64 4.24	3.89 4.61	4.14 4.98	4.51 5.32
569J*16 TC = 185.7°F SC = 18.4°F	Liquid Line size	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"
	Liquid PD (F)	0.7	1.3	2.0	2.7	3.4	4.0	4.7	5.4
	Max Lift (ft)	25	50	75	100	125	150	175	200
	Max Lift PD (F)	2.8	5.65	8.5	11.3	14.1	16.9	19.7	22.5
	Suction Line size	1 3/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"	1 3/8"
	Suction Ln PD (F) (Cap Red)	1.4	1.0	1.5	2.0	2.5 (-0.9%)	3.0 (-1.8%)	3.5 (-2.7%)	4.0 (-3.6%)
	Charge (lbs)	35.1	38.1	41.2	44.2	47.3	50.4	53.4	56.5
	#/TR	2.9	3.11	3.36	3.61	3.86	4.11	4.36	4.61
569J*25 TC = 233.3°F SC = 13.0°F	Liquid Line size	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"
	Liquid PD (F)	1.1	2.1	3.2	4.3	5.4	6.4	7.5	8.6
	Max Lift (ft)	25	50	93	98	85	71	59	46
	Max Lift PD (F)	3.2	6.4	9.6	12.5	12.5	12.4	12.5	12.5
	Suction Line size	1 3/8"	1 3/8"	1 3/8"	1 5/8"	1 3/8"	1 5/8"	1 3/8"	1 5/8"
	Suction Ln PD (F) (Cap Red)	0.8	1.6	2.4 (-0.8%)	3.2 1.0	4.0 (-2.2%)	4.8 (-3.6%)	5.6 (-0.7%)	6.4 (-1.2%)
	Charge (lbs)	31.1	34.1	37.2	37.9	40.2	41.1	43.3	46.7
	#/TR	2.52	2.77	3.02	3.07	3.26	3.34	3.51	3.57

See Legend on page 9.

569J 12-25 PIPING RECOMMENDATIONS (DUAL-CIRCUIT)

MODEL & NOMINAL CAPACITY	Linear Line (ft)	0 - 25	25 - 50	50 - 75	75 - 100	100 - 125	125 - 150	150 - 175	175 - 200						
	Equiv. Line (ft)	0 - 38	38 - 75	75 - 113	113 - 150	150 - 188	188 - 225	225 - 263	263 - 300						
569J*12	Liquid Line Size	3/8"	3/8"	3/8"	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	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	1.3	1.3	1.3	1.5	
	Charge (lbs)	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	Liquid Line Size	3/8"	3/8"	3/8"	3/8"	1/2"	3/8"	1/2"	1/2"	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)	128	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	7/8"	7/8"	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)	1.0	1.9	2.9 (-1.5%)	0.8	1.1	1.4	1.6	1.6	1.9	1.9	2.2 (-0.3%)	0.7		
	Charge (lbs)	17.0	18.0	19.0	19.5	20.6	23.7	21.8	25.7	27.6	29.5	36.2	31.5	39.0	
	#/TR	1.36	1.44	1.52	1.56	1.65	1.90	1.74	2.05	2.21	2.36	2.89	2.52	3.12	
569J*16	Liquid Line Size	3/8"	3/8"	3/8"	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 (ft)	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	7/8"	7/8"	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)	1.5	3.1 (-1.9%)	0.8	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 (lbs)	17.0	18.0	18.3	19.5	21.8	23.7	25.7	26.6	27.6	34.4	29.5	37.4	31.5	40.5
	#/TR	1.35	1.43	1.46	1.55	1.73	1.89	2.04	2.11	2.19	2.73	2.35	2.97	2.50	3.22
569J*25	Liquid Line Size	3/8"	1/2"	1/2"	5/8"	1/2"	5/8"	1/2"	5/8"	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 (ft)	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 Ln 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	1.7	1.9		
	Charge (lbs)	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	

LEGEND

- #/TR — Charge to unit capacity ratio, lbs per ton (at 45°F SST, 95°F ODA)
- Cap Red — Capacity reduction caused by suction line pressure drop > 2°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)
- Suction Line PD (F) — Suction Line Pressure Drop, Saturated Temperature, °F
- TC — Total Capacity, MBH (at 45°F Saturated Suction, 95°F Outdoor Air Temp)

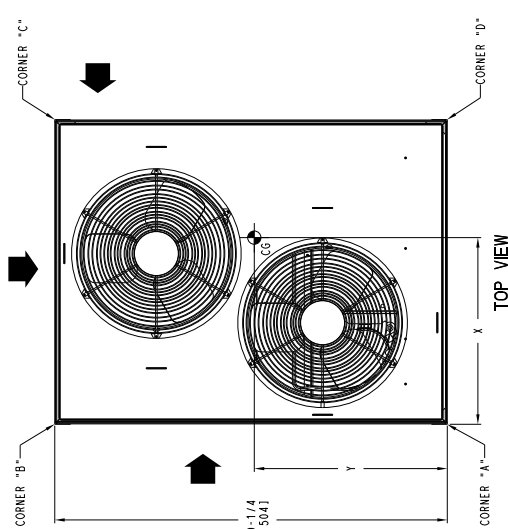
BASE UNIT DIMENSIONS

569J-A/569J-D/575J-A 07-14 CONDENSING UNIT

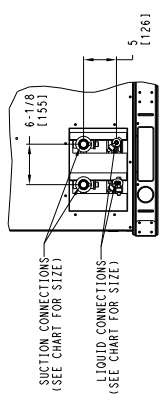
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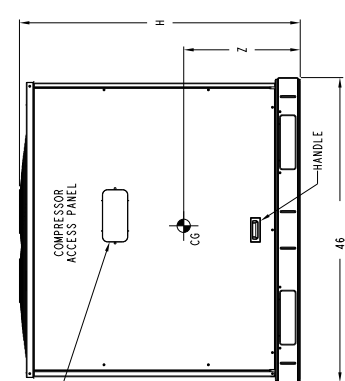
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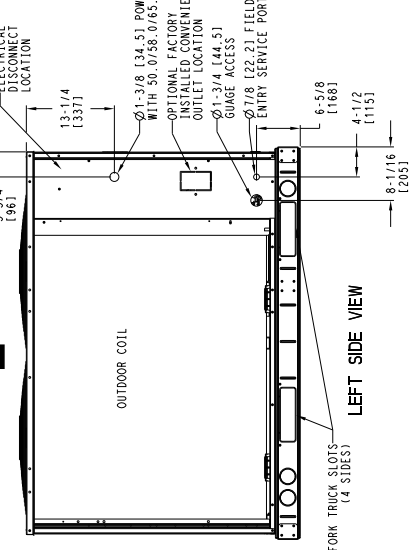
UNIT	SERVICE VALVE CONNECTIONS		QTY
	SUCTION	LIQUID	
569J-07A	1-1/8 [28.6]	3/8 [9.5]	1
569J-08A	1-1/8 [28.6]	1/2 [12.7]	1
569J-12A	1-3/8 [34.9]	1/2 [12.7]	1
569J-14A	1-3/8 [34.9]	5/8 [15.9]	1
569J-120	1-1/8 [28.6]	3/8 [9.5]	2
569J-140	1-3/8 [34.9]	1/2 [12.7]	2
575J-07A	1-1/8 [28.6]	3/8 [9.5]	1
575J-08A	1-1/8 [28.6]	1/2 [12.7]	1
575J-12A	1-3/8 [34.9]	1/2 [12.7]	1



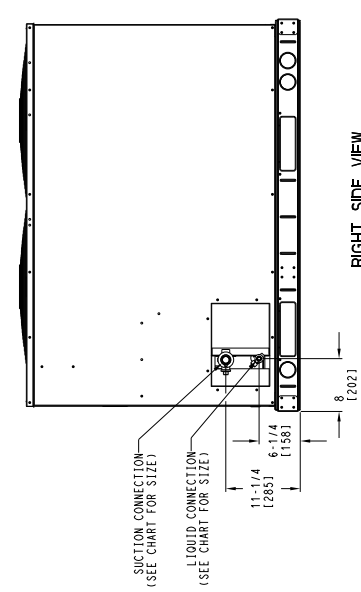
RIGHT SIDE VIEW
(FOR 569JD SYSTEMS)



FRONT VIEW



LEFT SIDE VIEW



RIGHT SIDE VIEW
(FOR 569JA AND 575JA SYSTEMS)

DATE	11/10/14	SUPPLEMENTS	10/20/11	CONDENSING UNIT	569J-A / 569J-D / 575J-A - 07/08/12/14	38AU500350	REV	H
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569J-A/569J-D/575J-A 07-14 CONDENSING UNIT



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SALMON, NY
13261
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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				
569J-07A (MCHX)	209/230-3-60,460-3-60,575-3-60	328	149	128	58	68	31	62	28	70	32	21	1533.41	19	1482.61	13	1330.21	42-3/8	11076.01
569J-08A (MCHX)	209/230-3-60,460-3-60,575-3-60	353	160	138	63	72	33	65	29	78	35	19	1482.61	23	1584.21	13	1330.21	42-3/8	11076.01
569J-12A (MCHX)	209/230-3-60,460-3-60,575-3-60	418	190	165	75	85	39	78	35	90	41	23	1584.21	20	1508.01	15	1381.01	50-3/8	11279.21
569J-14A (MCHX)	209/230-3-60,460-3-60,575-3-60	431	196	162	73	82	37	92	42	95	43	19	1482.61	23	1584.21	15	1381.01	50-3/8	11279.21
569J-120 (MCHX)	209/230-3-60,460-3-60,575-3-60	499	226	193	88	111	50	72	38	123	56	20	1508.01	23	1584.21	15	1381.01	50-3/8	11279.21
569J-140 (MCHX)	209/230-3-60,460-3-60,575-3-60	505	229	190	86	88	40	76	34	151	68	20	1508.01	24	1609.61	15	1381.01	50-3/8	11279.21
569J-07A (RTPF)	209/230-3-60,460-3-60,575-3-60	389	176	141	64	96	44	62	28	91	41	18	1457.21	24	1609.61	21	1533.41	42-3/8	11076.01
569J-08(A,B) (RTPF)	209/230-3-60,460-3-60,575-3-60	391	177	142	64	96	44	62	28	91	41	18	1457.21	24	1609.61	21	1533.41	42-3/8	11076.01
569J-08(G,H) (RTPF)	209/230-3-60,460-3-60,575-3-60	430	195	142	64	96	44	76	34	111	50	18	1457.21	24	1609.61	21	1533.41	42-3/8	11076.01
569J-12A (RTPF)	209/230-3-60,460-3-60,575-3-60	490	222	177	80	120	54	78	35	114	52	18	1457.21	24	1609.61	24	1609.61	50-3/8	11279.21
569J-14A (RTPF)	209/230-3-60,460-3-60,575-3-60	598	271	195	88	142	64	110	50	151	68	20	1508.01	25	1635.01	24	1609.61	50-3/8	11279.21
569J-120 (RTPF)	209/230-3-60,460-3-60,575-3-60	516	234	185	84	117	53	83	38	131	59	19	1482.61	23	1584.21	24	1609.61	50-3/8	11279.21
569J-140 (RTPF)	209/230-3-60,460-3-60,575-3-60	654	297	214	97	155	70	120	54	165	75	20	1508.01	25	1635.01	24	1609.61	50-3/8	11279.21
575J-07A	209/230-3-60,460-3-60,575-3-60	444	201	134	61	97	44	90	41	123	56	22	1558.81	25	1635.01	13	1330.21	42-3/8	11076.01
575J-08(A,B)	209/230-3-60,460-3-60,575-3-60	483	219	162	74	110	50	85	39	125	57	20	1508.01	24	1609.61	21	1533.41	42-3/8	11076.01
575J-08(G,H)	209/230-3-60,460-3-60,575-3-60	523	237	174	79	118	54	96	44	135	61	21	1533.41	24	1609.61	23	1584.21	50-3/8	11279.21
575J-12A	209/230-3-60,460-3-60,575-3-60	575	261	186	84	126	57	106	48	157	71	21	1533.41	24	1609.61	23	1584.21	50-3/8	11279.21

NOTES:

1. MINIMUM CLEARANCE (LOCAL CODES OR JURISDICTION MAY PREVAIL):
 - A. BOTTOM TO COMBUSTIBLE SURFACES: 0 INCHES.
 - B. OUTDOOR COIL FOR PROPER AIR FLOW: 36 INCHES ONE SIDE, 12 INCHES THE OTHER. THE SIDE GETTING THE GREATER CLEARANCE IS OPTIONAL. STANDARD CLEARANCES ON REMAINING TWO SIDES.
 - C. OVERHEAD: 60 INCHES, TO ASSURE PROPER OUTDOOR FAN OPERATION.
 - D. BETWEEN UNITS: CONTROL BOX SIDE, 42 INCHES PER NEC.
 - E. BETWEEN UNIT AND UNGROUNDED SURFACES: CONTROL BOX SIDE, 36 INCHES PER NEC.
 - F. BETWEEN UNIT AND BLOCK OR CONCRETE WALLS AND OTHER GROUNDED SURFACES: CONTROL BOX SIDE, 42 INCHES PER NEC.
2. WITH EXCEPTION OF THE CLEARANCE FOR THE OUTDOOR COIL AS STATED IN NOTE 1B, A REMOVABLE FENCE OR BARRICADE REQUIRES NO CLEARANCE.
3. UNITS MAY BE INSTALLED ON COMBUSTIBLE FLOORS MADE FROM WOOD OR CLASS A, B OR C ROOF COVERING MATERIAL.

DATE	11/10/14	SUPERCEDES	10/20/11	569J-A / 569J-D / 575J-A -	07/08/12/14	CONDENSING UNIT	38AU500350	REV	H
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569J*25A, 569J*25D CONDENSING UNIT

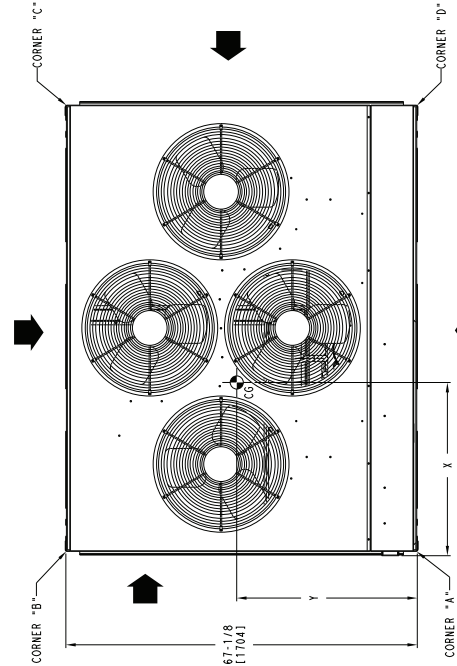
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 P.O. BOX 4888
 SPRACORE, NY 13221

UNIT	ELECTRICAL CHARACTERISTICS	STD. UNIT WT. LBS.	CORNER A	CORNER B	CORNER C	CORNER D	CENTER OF GRAVITY	UNIT HEIGHT														
			KG.	LBS.	KG.	LBS.	X	Y	Z	H												
569J25 (R1PF)	208/230-3-60-460-3-60-515-3-60	918	444	380	163	188	85	147	67	283	128	38	1865	21	17	17	17	431	81	50-3/8	12179	21
569J25 (R1PF)	208/230-3-60-460-3-60-515-3-60	918	444	380	163	188	85	147	67	283	128	38	1865	21	17	17	17	431	81	50-3/8	12179	21

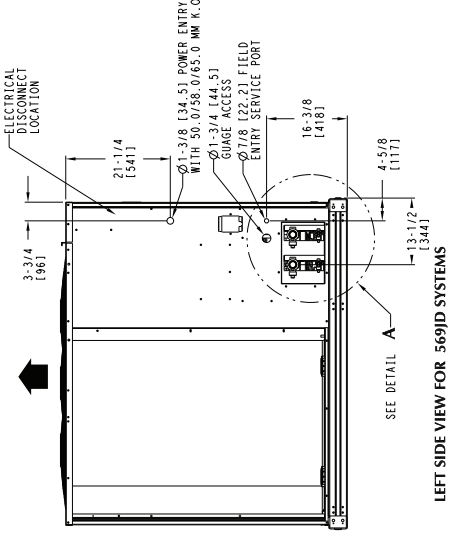
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UNIT	SUCTION	LIQUID	QTY
569J25	1-3/8 (141.31)	5/8 (115.9)	1 EA
569J25	1-3/8 (141.31)	1/2 (127.3)	2 EA

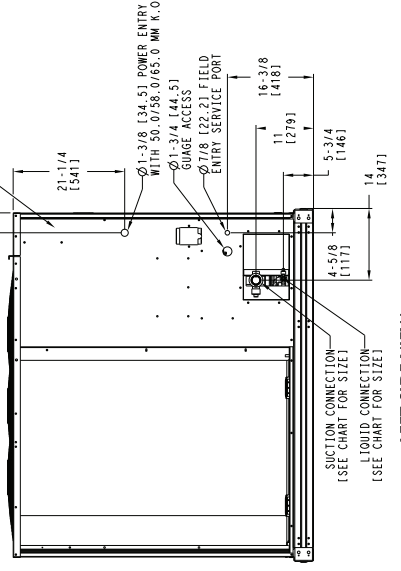
- NOTES:
- MINIMUM CLEARANCE (LOCAL CODES OR JURISDICTION MAY VARY):
 - A. PREVENTION TO COMBUSTIBLE SURFACES: 0 INCHES.
 - B. OUTDOOR COIL - FOR PROPER AIR FLOW: 36 INCHES.
 - C. ONE SIDE, 12 INCHES THE OTHER. THE SIDE GETTING THE GREATER CLEARANCE IS OPTIONAL.
 - D. OPERATION: 60 INCHES, TO ASSURE PROPER OUTDOOR FAN OPERATION.
 - E. BETWEEN UNITS: CONTROL BOX SIDE, 42 INCHES PER NEC.
 - F. BETWEEN UNITS: UNGROUNDED SURFACES: CONTROL BOX SIDE, 36 INCHES PER NEC.
 - G. BETWEEN UNITS: CONCRETE WALLS AND OTHER GROUNDED SURFACES: CONTROL BOX SIDE, 42 INCHES PER NEC.
 - WITH EXCEPTION OF THE CLEARANCE FOR THE OUTDOOR COIL AS STATED IN NOTE 1B, A REMOVABLE FENCE OR FENCE WITH 1/2" CLEARANCE FROM COMBUSTIBLE FLOORS MADE OF WOOD OR CLASS A, B OR C ROOF COVERING MATERIAL.



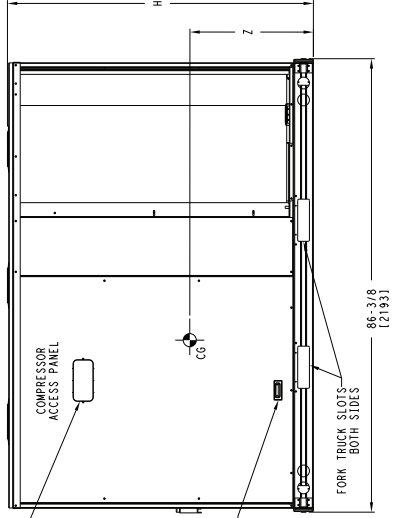
TOP VIEW



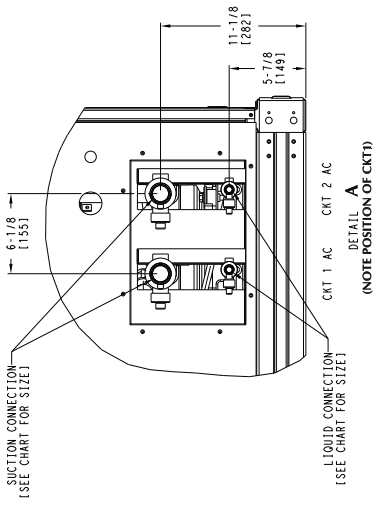
LEFT SIDE VIEW FOR 569JD SYSTEMS



LEFT SIDE VIEW



FRONT VIEW



DETAIL A

DATE	SUPERSEDES	569JA AND 569JD CONDENSING UNIT	REV
11/24/10	08/04/10	38AU500371	E

OPTIONS AND ACCESSORIES

569J D FACTORY-INSTALLED OPTIONS

ITEM	OPTION*	ACCESSORY†
Disconnect Switch (non-fused)**	X	
Special-Coated Coil Protection	X	
Convenience Outlet (115-v)††	X	
Low Ambient Temperature MotorMaster® Control	X	X
Louvered Hail Guard	X	X
Programmable Thermostats		X
Condenser Coil Grille		X

* Factory-installed option.

† Field-installed accessory.

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

†† Powered and non-powered versions available.

COIL COATING APPLICATIONS - ROUND TUBE/PLATE FIN COILS

Enviro-Shield™ DESCRIPTION	ENVIRONMENT					
	Standard Non-Corrosive	Mid Coastal	Moderate Coastal	Severe Coastal	Industrial	Industrial & Coastal
Aluminum Fin / Cu Tube	X					
Pre-Coated Al / Cu		X				
E-Coated Al / Cu					X	X
Cu / Cu			X	X		

NOTE: Refer to the Guide Specifications for further details.

569J Factory-Installed Options

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.

E-coated coils provide this protection since all coil surfaces are completely encapsulated from environmental contamination. This coating is especially suitable in industrial environments.

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 is used to remove power locally at the condensing unit. This switch also includes a power lock-out 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.

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 and hail.

Condenser Coil Grille protects condensing unit coil from impact by large objects and vandalism.

Bryant's Line of Thermostats provide both programmable and non-programmable thermostats. The Commercial Electronic thermostats provide 7-day programmable capability for economical applications.

524J Factory-Installed Options

ITEM	OPTION*	ACCESSORY†
Alternate Fan Motors	X	
Alternate Drives	X	
CO ₂ Sensors		X
Condensate Drain Trap		X
Discharge Plenum		X
Economizer		X
Electric Heat		X
Hot Water Heating Coils		X
Overhead Suspension Package		X
Prepainted Units	X	
Return Air Grille		X
Steam Heating Coil		X
Subbase		X

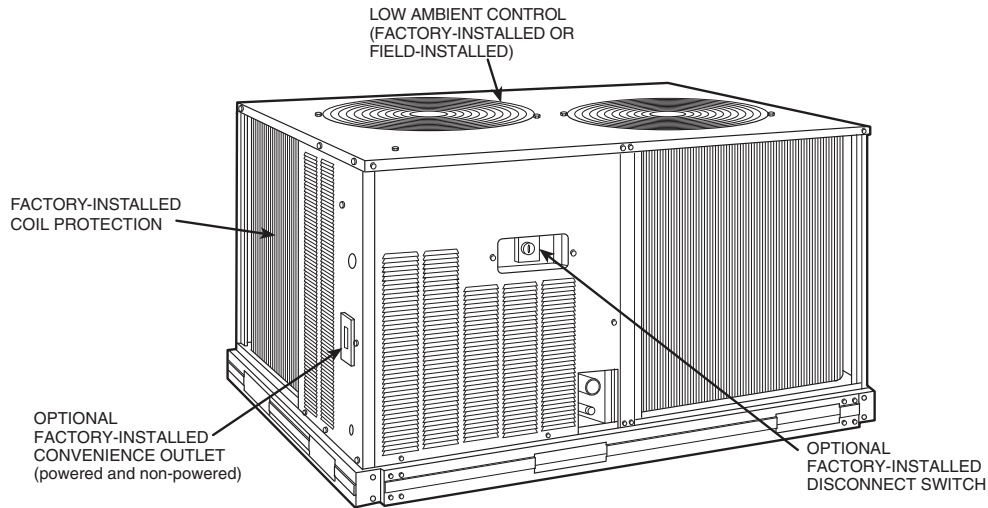
*Factory-installed option

†Field-installed accessory

Alternate Fan Motors and Drives are available to 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.

569J FACTORY-INSTALLED OPTIONS



524J Field-Installed Accessories

Two-Row Hot Water Coils have $\frac{5}{8}$ -in. diameter copper tubes are mechanically bonded to aluminum plate fins. Coils have non-ferrous headers.

One-Row Steam Coil has 1-in. 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.

Electric resistance heat coils have an open-wire design and are mounted in a rigid frame. Safety cutouts for high temperature conditions are standard.

Economizer (Enthalpy Controlled) provides ventilation air and provides “free” cooling if the outside ambient temperature and humidity are suitable. The economizer can also be used in conjunction with Bryant thermostats and CO₂ sensors to help meet indoor air quality requirements. The economizer can be used in both vertical and horizontal positions.

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.

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.

Subbase provides 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.

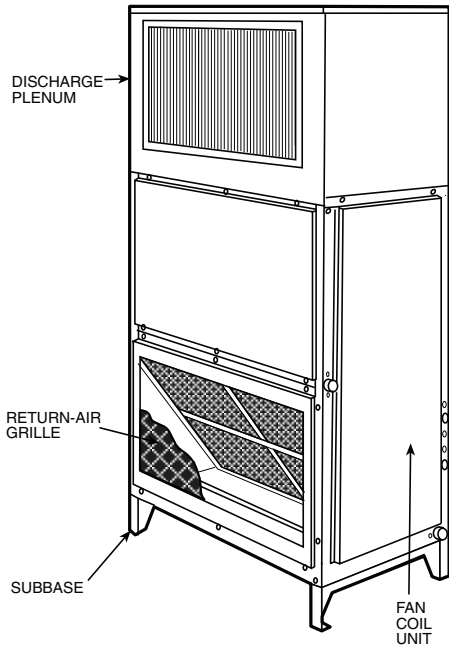
Overhead suspension package includes necessary brackets to support units in horizontal installations.

CO₂ Sensors can be used in conjunction with the economizer accessory to help meet indoor air quality requirements. The sensor signals the economizer to open when the CO₂ level in the space exceeds the setpoint. A programmable thermostat can also be used to override the sensor if the outside-air temperature is too high or too low.

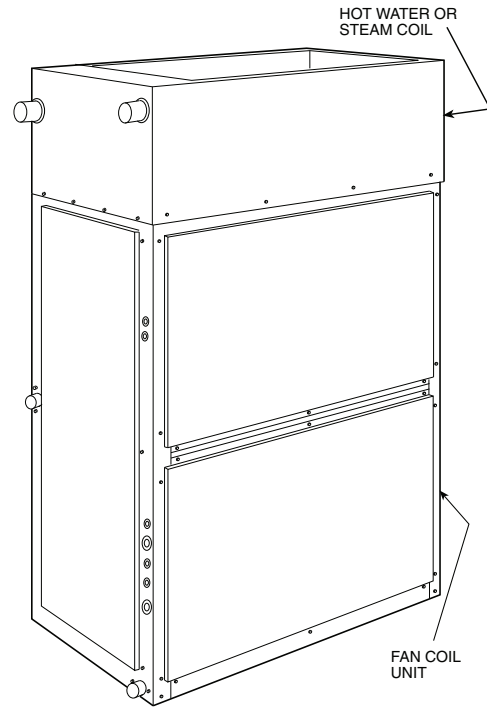
Condensate Drain Trap includes an overflow shutoff switch that can be wired to turn off the unit if the trap becomes plugged. The kit also includes a wire harness that can be connected to an alarm if desired. The transparent trap is designed for easy service and maintenance.

OPTIONS AND ACCESSORIES (CONT)

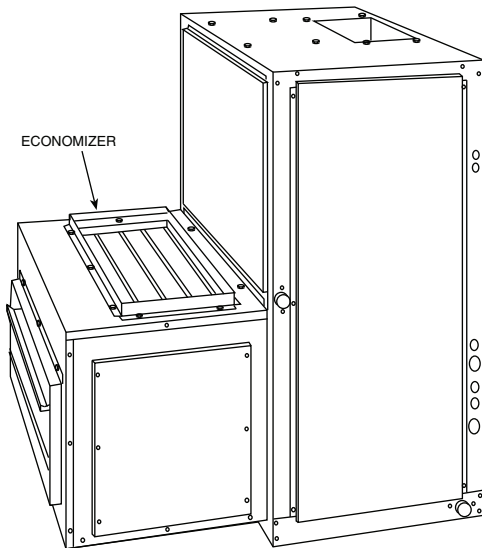
524J WITH DISCHARGE PLENUM
RETURN-AIR GRILLE AND SUBBASE



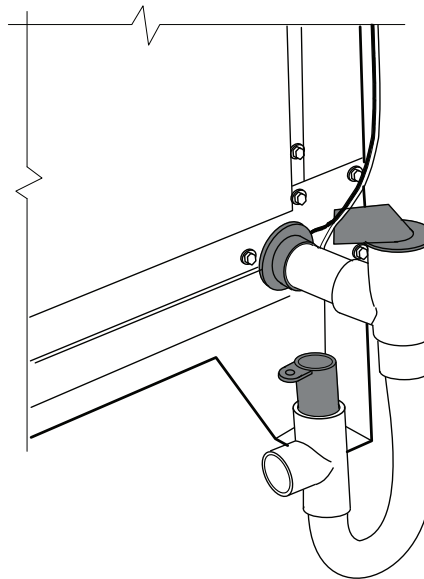
524J WITH HOT WATER OR STEAM COIL



524J WITH ECONOMIZER



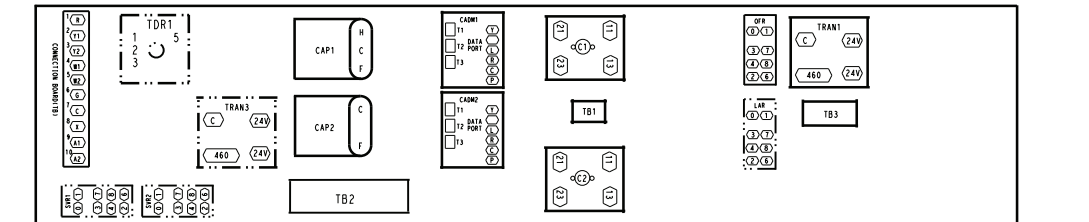
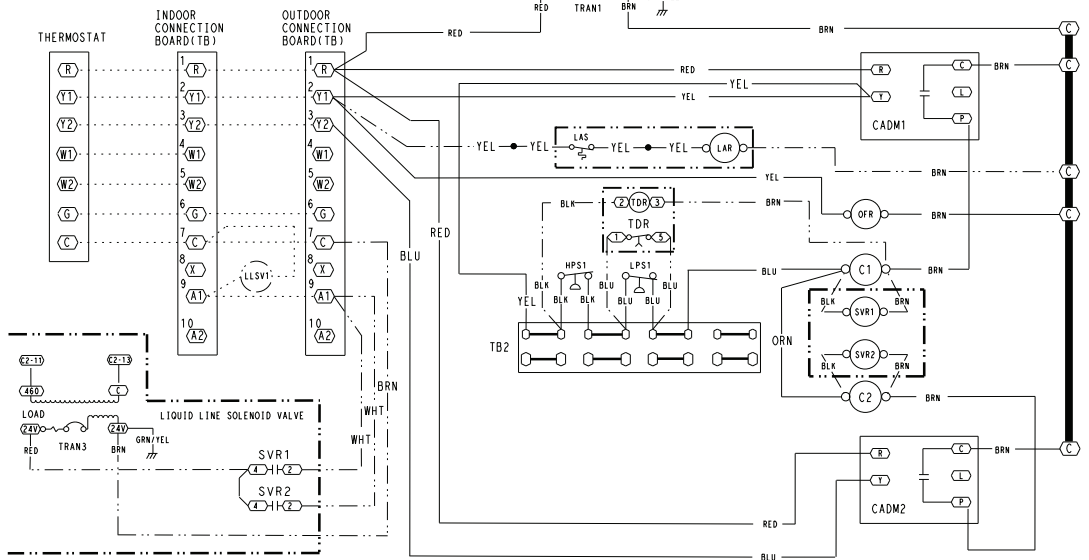
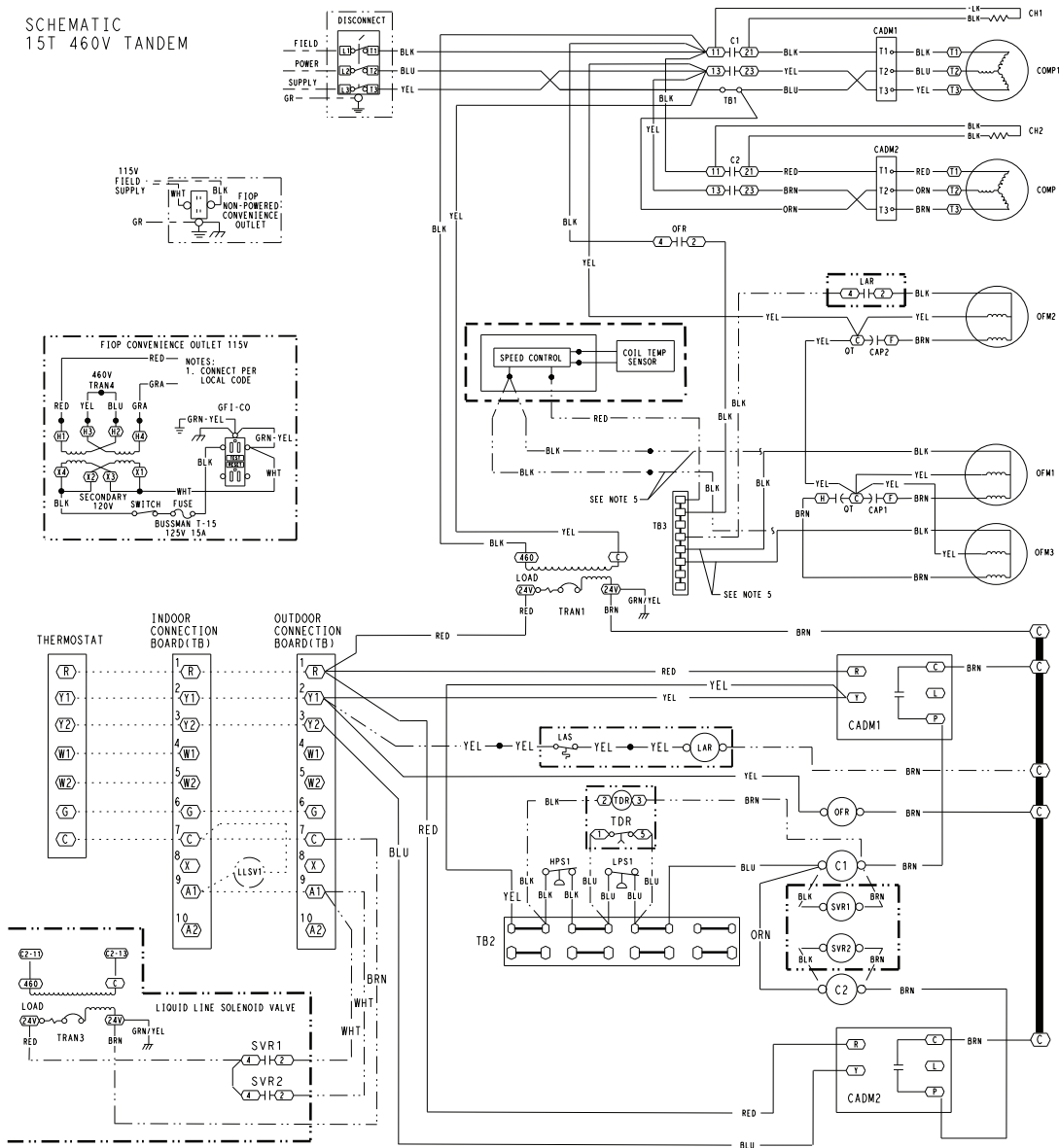
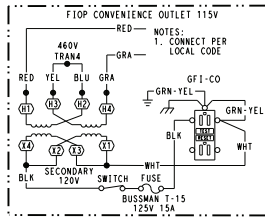
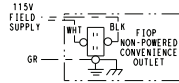
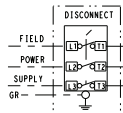
524J WITH CONDENSATE TRAP



TYPICAL PIPING AND WIRING

TYPICAL 569J*16 SINGLE CIRCUIT

SCHEMATIC
15T 460V TANDEM



- FIELD CONTROL WIRING**
- △ FIELD SPLICE
 - (M) MARKED WIRE
 - (X) TERMINAL (MARKED)
 - TERMINAL (UNMARKED)
 - [] TERMINAL BLOCK
 - SPLICE
 - FACTORY WIRING
 - - - FIELD CONTROL WIRING
 - - - FIELD POWER WIRING
 - - - ACCESSORY OR OPTIONAL WIRING
 - TO INDICATE COMMON POTENTIAL ONLY, NOT TO REPRESENT WIRING
- LEGEND**
- C CONTACTOR, COMPRESSOR
 - CAP CAPACITOR
 - CH COMFORT ALERT - DIAGNOSTICS MODULE
 - COMP COMPRESSOR MOTOR
 - EQUIP EQUIPMENT
 - FU FUSE
 - GR GROUND
 - HPS HIGH PRESSURE SWITCH
 - LAR LOW AMBIENT RELAY
 - LAS LOW AMBIENT SWITCH
 - LLSV LIQUID LINE SOLENOID VALVE
 - LPS LOW PRESSURE SWITCH
 - OFM OUTDOOR FAN MOTOR
 - OFM OUTDOOR FAN RELAY
 - OT QUADRUPLE TERMINAL
 - SVR SOLENOID VALVE RELAY
 - TB TERMINAL BLOCK
 - TDR TIME DELAY RELAY
 - TRAN TRANSFORMER

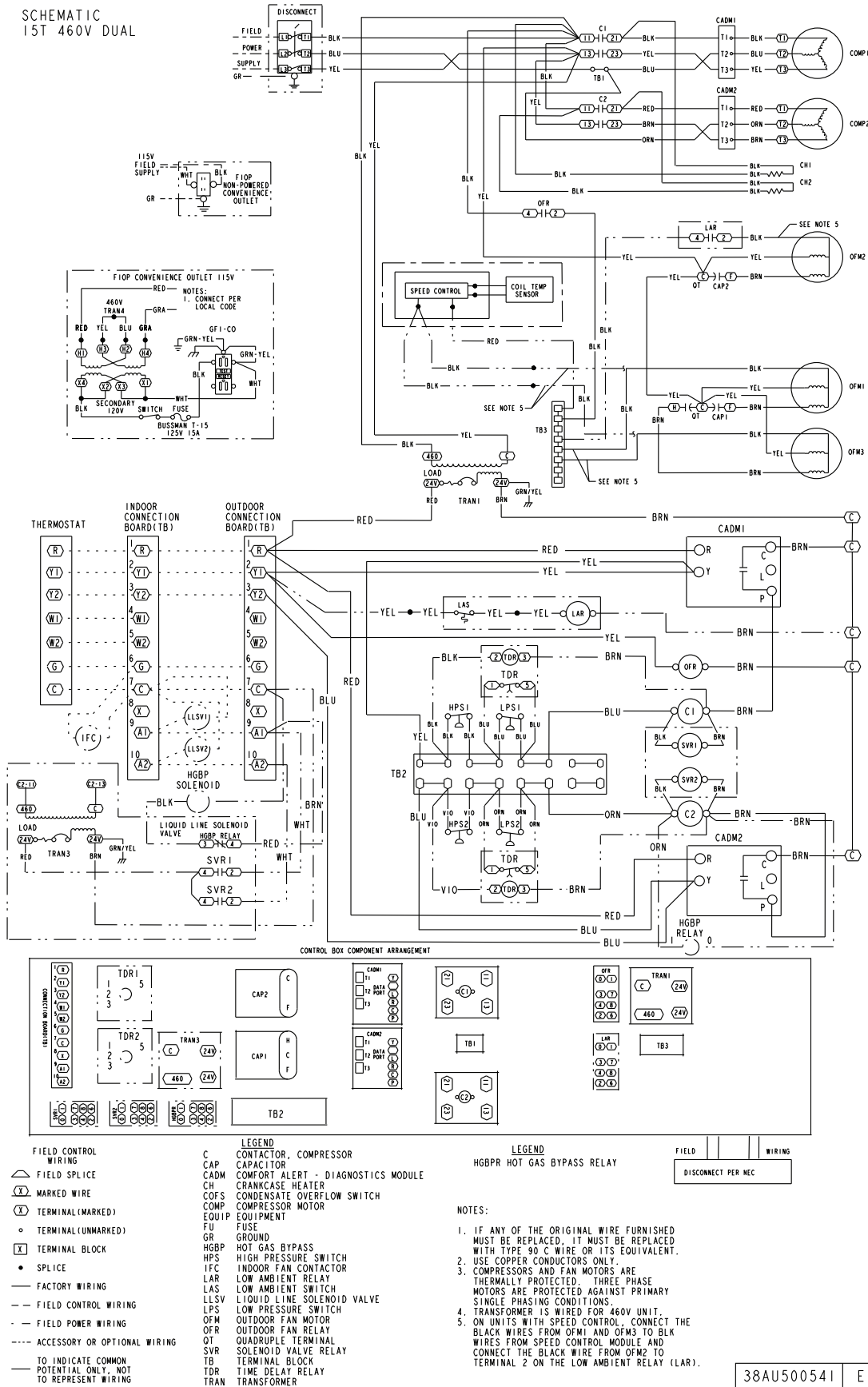
- NOTES:**
1. IF ANY OF THE ORIGINAL WIRE FURNISHED MUST BE REPLACED, IT MUST BE REPLACED WITH TYPE 90 C WIRE OR ITS EQUIVALENT.
 2. USE COPPER CONDUCTORS ONLY.
 3. COMPRESSORS AND FAN MOTORS ARE THERMALLY PROTECTED. THREE PHASE MOTORS ARE PROTECTED AGAINST PRIMARY SINGLE PHASING CONDITIONS.
 4. TRANSFORMER IS WIRING FOR 460V UNIT.
 5. ON UNITS WITH SPEED CONTROL, REMOVE OFM1 AND OFM3 BLK WIRES FROM TB3 AND CONNECT TO BLK WIRES FROM SPEED CONTROL.

38AU500538 B

TYPICAL PIPING AND WIRING (CONT)

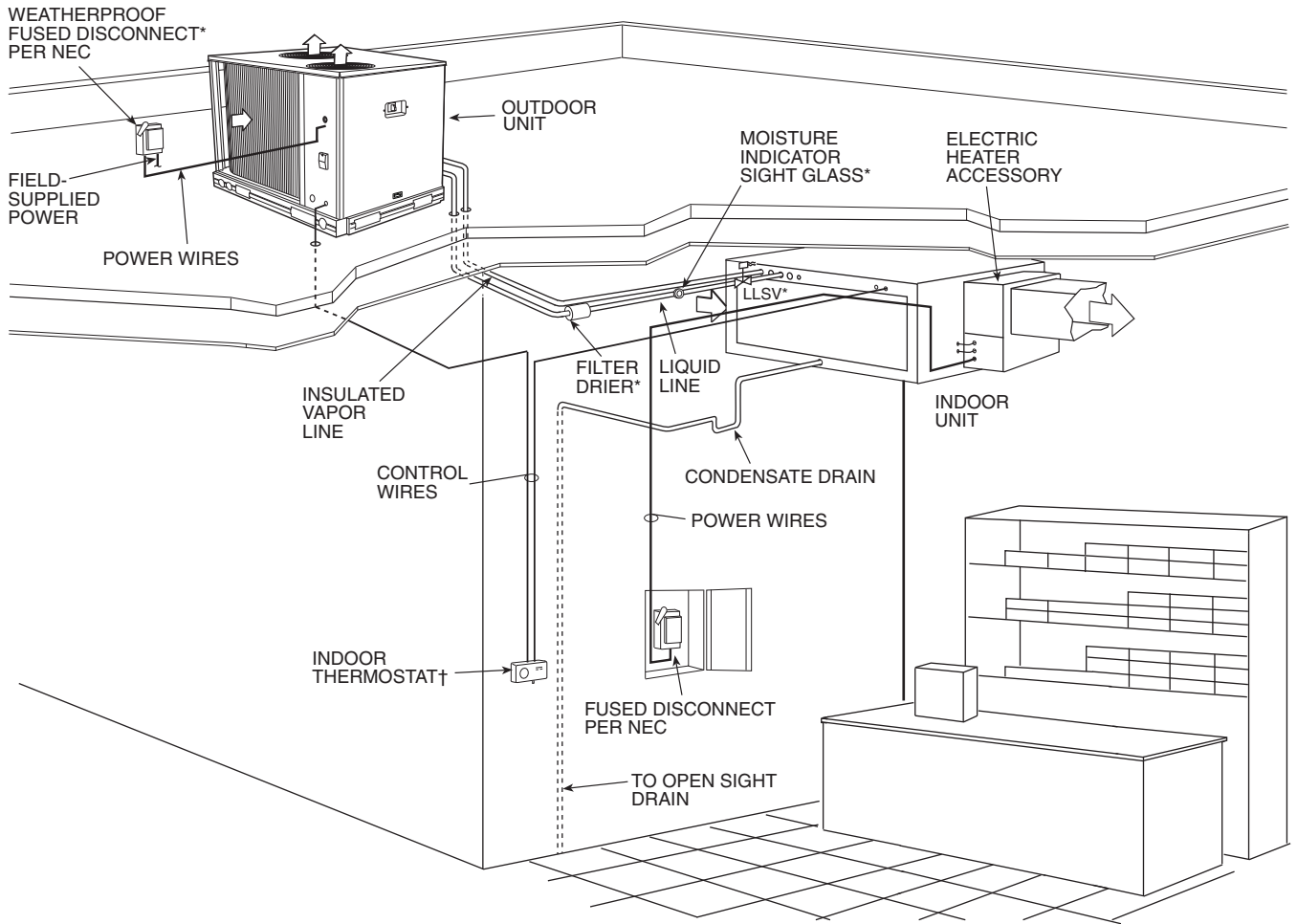
TYPICAL 569J*16 DUAL CIRCUIT

SCHEMATIC
15T 460V DUAL



38AU500541 E

ROOF INSTALLATION AND A CEILING-MOUNTED FAN COIL — HORIZONTAL INSTALLATION



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

* Field-supplied

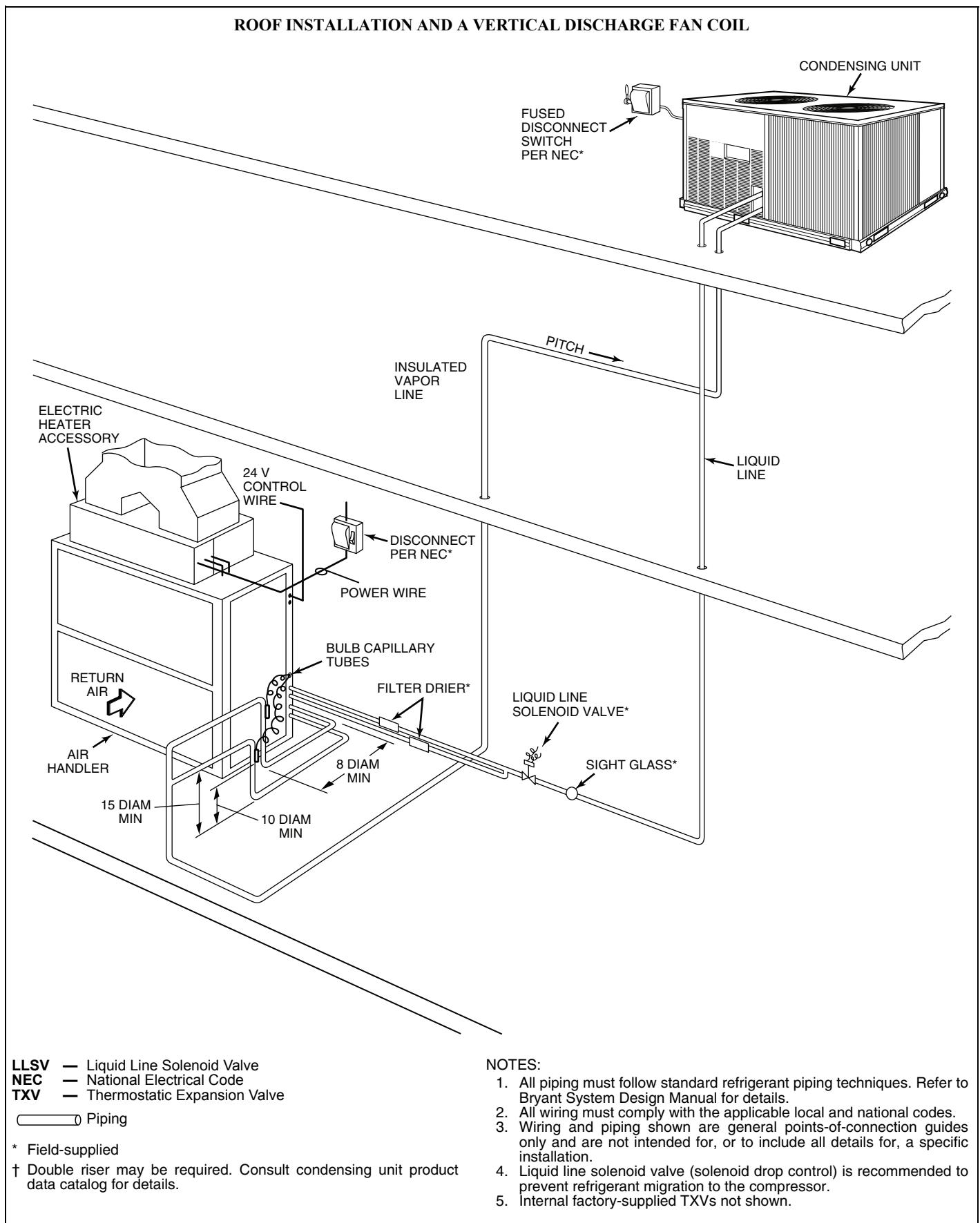
† Double riser may be required. Consult condensing unit product data catalog for details.

NOTES:

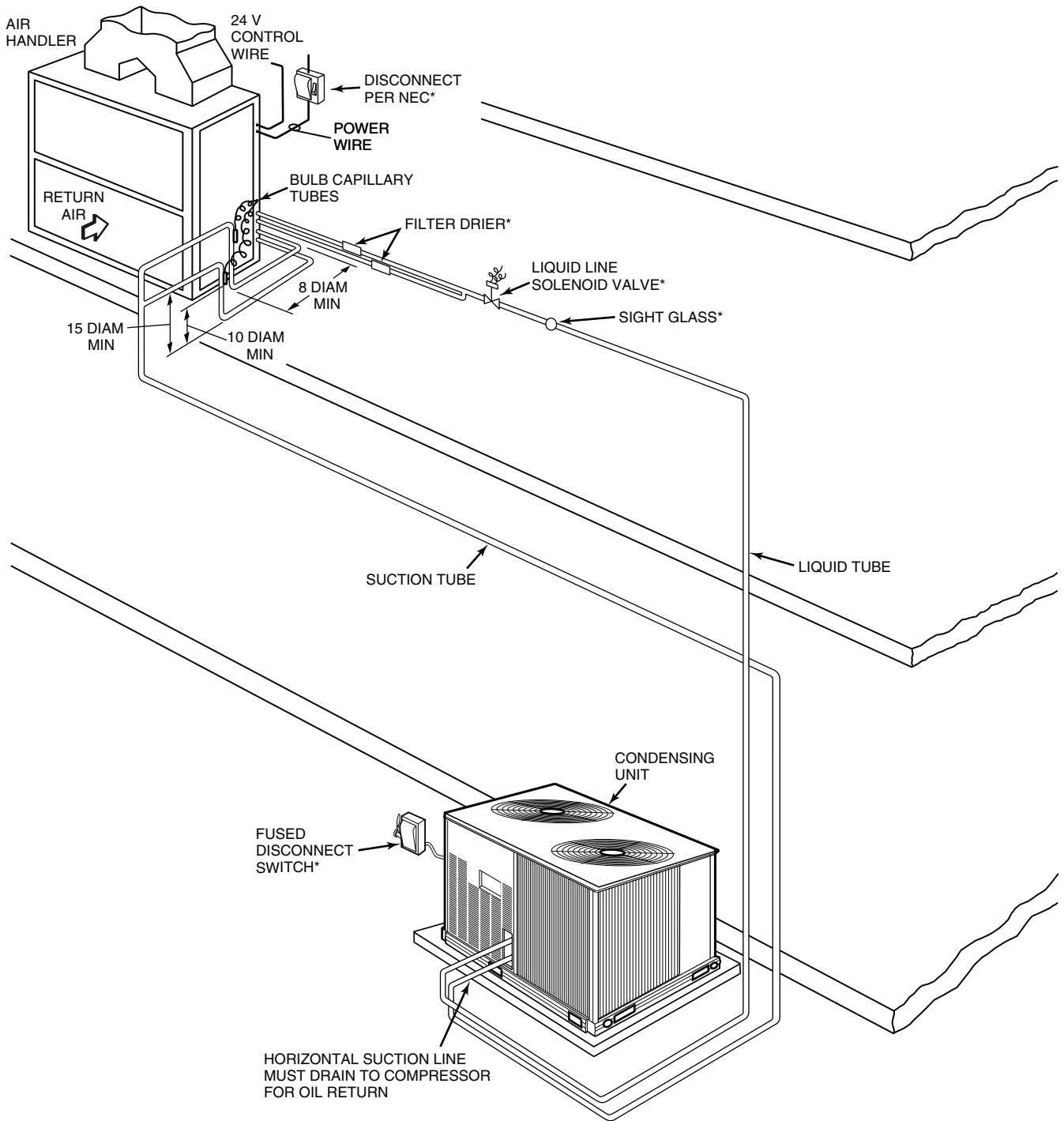
1. All piping must follow standard refrigerant piping techniques. Refer to Bryant System Design Manual for details.
2. All wiring must comply with the applicable local and national codes.
3. Wiring and piping shown are general points-of-connection guides only and are not intended for, or to include all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

TYPICAL PIPING AND WIRING (CONT)


ROOF INSTALLATION AND A VERTICAL DISCHARGE FAN COIL



GROUND LEVEL INSTALLATION AND VERTICAL DISCHARGE FAN COIL



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

 Piping

* Field-supplied

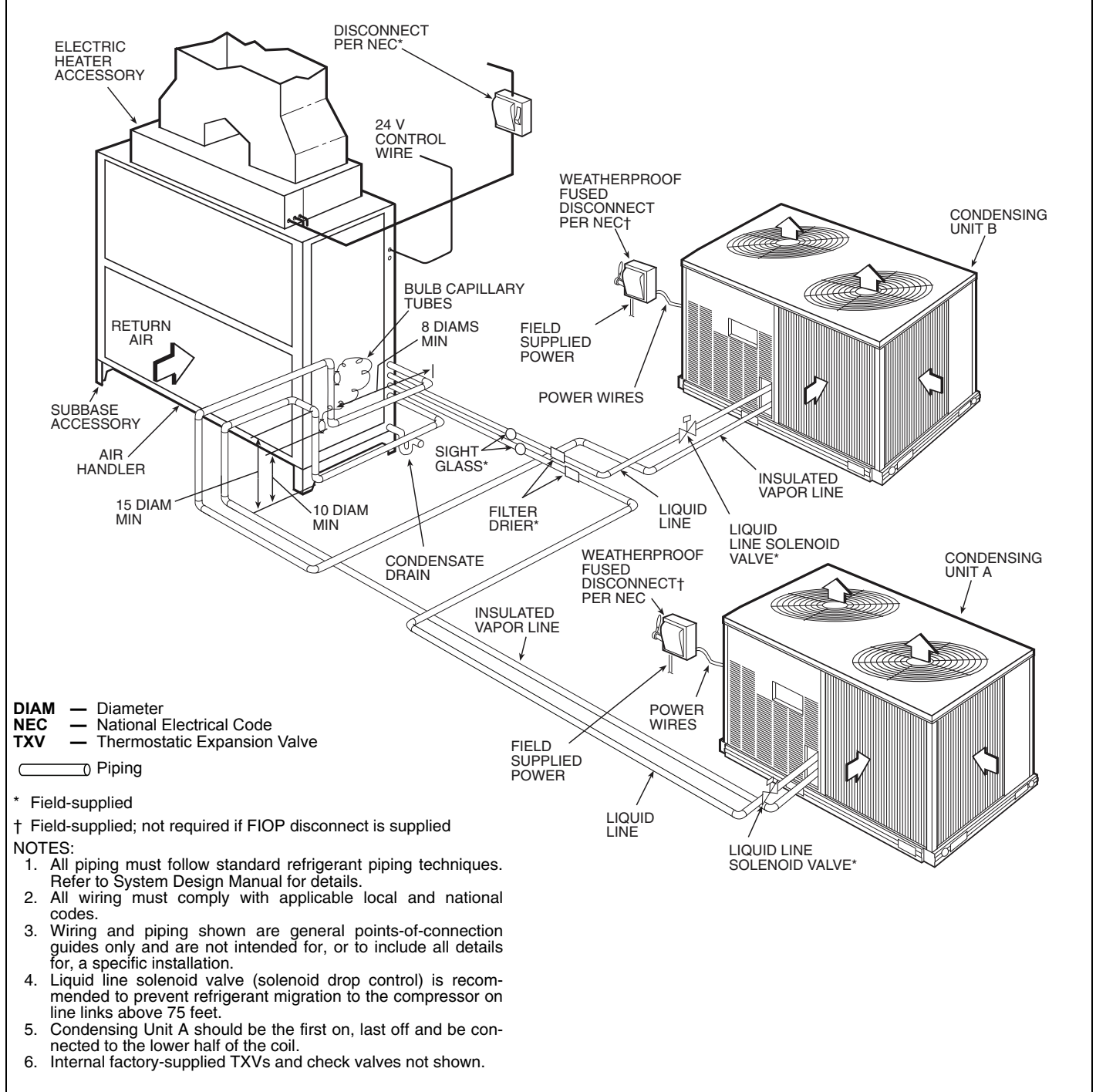
† Double riser may be required. Consult condensing unit product data catalog for details.

NOTES:

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 on line links above 75 feet.
5. Internal factory-supplied TXVs not shown.

TYPICAL PIPING AND WIRING (CONT)

DUAL CONDENSING UNITS AND A DUAL CIRCUIT FAN COIL



PERFORMANCE DATA

569J*07A TOTAL UNIT — CONDENSER ONLY RATINGS — 60 Hz

SST (F)		569J*07A					
		Air Temperature Entering Condenser (F)					
		80	85	95	100	105	115
20	TC	46.70	45.10	41.70	39.80	37.90	33.90
	kW	4.04	4.27	4.77	5.04	5.32	5.93
	SDT	91.60	96.40	105.90	110.60	115.30	124.70
25	TC	51.70	50.00	46.40	44.50	42.50	38.30
	kW	4.06	4.29	4.79	5.05	5.33	5.95
	SDT	92.70	97.50	106.90	111.60	116.30	125.60
30	TC	57.00	55.20	51.40	49.40	47.30	42.90
	kW	4.07	4.30	4.80	5.07	5.35	5.96
	SDT	93.90	98.60	108.10	112.70	117.40	126.70
35	TC	62.70	60.80	56.80	54.60	52.40	47.80
	kW	4.09	4.32	4.81	5.08	5.36	5.98
	SDT	95.10	99.80	109.20	113.90	118.60	127.80
40	TC	68.70	66.70	62.50	60.20	57.90	53.00
	kW	4.11	4.34	4.83	5.10	5.38	5.99
	SDT	96.50	101.10	110.50	115.10	119.70	128.80
45	TC	75.20	73.10	68.50	66.20	63.70	58.60
	kW	4.13	4.36	4.84	5.10	5.38	5.99
	SDT	97.90	102.50	111.80	116.30	120.90	129.90
50	TC	82.20	79.90	75.10	72.50	69.90	64.40
	kW	4.15	4.37	4.85	5.12	5.39	6.00
	SDT	99.40	104.00	113.10	117.60	122.20	131.10

NOTE: Condensing unit only ratings are at 45°F SST and 95°F entering-air temperature. EER = 12.5

569J*08A TOTAL UNIT — CONDENSER ONLY RATINGS — 60 Hz

SST (F)		569J*08A					
		Air Temperature Entering Condenser (F)					
		80	85	95	100	105	115
20	TC	65.20	63.20	59.10	57.00	54.80	50.50
	kW	5.04	5.33	5.98	6.34	6.73	7.60
	SDT	95.30	100.20	109.80	114.70	119.50	129.20
25	TC	71.30	69.20	64.80	62.60	60.30	55.70
	kW	5.12	5.42	6.07	6.42	6.81	7.66
	SDT	96.40	101.20	110.80	115.60	120.40	129.90
30	TC	77.80	75.50	70.90	68.50	66.20	61.30
	kW	5.22	5.51	6.16	6.51	6.89	7.74
	SDT	97.60	102.40	111.90	116.60	121.30	130.70
35	TC	84.80	82.40	77.50	75.00	72.40	67.20
	kW	5.32	5.61	6.26	6.61	6.99	7.83
	SDT	98.80	103.50	112.90	117.60	122.30	131.60
40	TC	92.30	89.70	84.50	81.80	79.00	73.50
	kW	5.44	5.73	6.37	6.72	7.10	7.94
	SDT	100.10	104.80	114.20	118.80	123.50	132.70
45	TC	100.30	97.50	91.90	89.00	86.10	80.10
	kW	5.57	5.86	6.50	6.85	7.23	8.07
	SDT	101.60	106.20	115.50	120.20	124.80	133.90
50	TC	108.70	105.80	99.80	96.70	93.60	87.30
	kW	5.71	6.00	6.64	7.00	7.38	8.21
	SDT	103.10	107.80	117.00	121.60	126.20	135.30

NOTE: Condensing unit only ratings are at 45°F SST and 95°F entering-air temperature. EER = 12.9

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*12A TOTAL UNIT — CONDENSER ONLY RATINGS — 60 Hz

SST (F)		569J*12A					
		Air Temperature Entering Condenser (F)					
		80	85	95	100	105	115
20	TC	78.00	75.40	70.10	67.30	64.60	58.90
	kW	6.03	6.44	7.31	7.76	8.23	9.21
	SDT	94.00	98.70	108.20	113.00	117.70	127.20
25	TC	86.10	83.30	77.60	74.70	71.70	65.70
	kW	6.11	6.53	7.41	7.87	8.36	9.36
	SDT	95.20	100.00	109.40	114.20	118.90	128.20
30	TC	94.70	91.80	85.60	82.50	79.40	73.00
	kW	6.20	6.62	7.51	7.98	8.47	9.49
	SDT	96.60	101.30	110.70	115.40	120.00	129.20
35	TC	104.00	100.80	94.30	90.90	87.60	80.70
	kW	6.30	6.71	7.61	8.09	8.58	9.62
	SDT	98.10	102.70	112.00	116.60	121.20	130.40
40	TC	113.90	110.40	103.40	99.90	96.20	88.90
	kW	6.39	6.81	7.71	8.20	8.70	9.75
	SDT	99.50	104.20	113.40	117.90	122.50	131.60
45	TC	124.30	120.60	113.10	109.20	105.40	97.50
	kW	6.49	6.92	7.83	8.32	8.82	9.89
	SDT	101.10	105.70	114.80	119.40	123.90	132.90
50	TC	135.40	131.40	123.30	119.20	115.00	106.50
	kW	6.61	7.04	7.96	8.45	8.96	10.03
	SDT	102.80	107.30	116.40	120.90	125.40	134.30

NOTE: Condensing unit only ratings are at 45°F SST and 95°F entering-air temperature. EER = 13.35

569J*12D CIRCUIT A AND B UNIT — CONDENSER ONLY RATINGS — 60 Hz

SST (F)		569J*12D Circuit A plus B					
		Air Temperature Entering Condenser (F)					
		85	95	100	105	115	120
20	TC	75.29	69.95	67.18	64.32	58.42	55.21
	kW	6.88	7.89	8.43	8.96	10.04	10.53
	SDT	102.30	111.40	116.10	120.50	129.60	133.70
25	TC	83.12	77.31	74.32	71.28	64.99	61.76
	kW	6.97	7.98	8.53	9.07	10.18	10.73
	SDT	103.60	112.60	117.30	121.80	130.70	135.10
30	TC	91.41	85.21	81.99	78.76	72.08	68.58
	kW	7.06	8.08	8.63	9.18	10.31	10.87
	SDT	104.90	114.00	118.50	122.90	131.80	136.10
35	TC	100.35	93.69	90.26	86.76	85.11	75.65
	kW	7.15	8.18	8.73	9.29	10.42	10.99
	SDT	106.30	115.20	119.80	124.20	132.90	137.10
40	TC	109.90	102.58	98.84	95.06	87.13	83.07
	kW	7.25	8.29	8.83	9.39	10.54	11.12
	SDT	107.60	116.60	121.00	125.40	134.00	138.20
45	TC	119.86	111.84	107.74	103.56	95.02	90.54
	kW	7.36	8.39	8.93	9.49	10.64	11.22
	SDT	109.00	117.90	122.30	126.60	135.10	139.20
50	TC	130.20	121.39	116.90	112.33	103.07	98.17
	kW	7.48	8.51	9.04	9.60	10.75	11.33
	SDT	110.50	119.20	123.50	127.80	136.20	140.20

NOTE: Condensing unit only ratings are at 45°F SST and 95°F entering-air temperature. EER = 11.24

LEGEND

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

569J*14A TOTAL UNIT — CONDENSER ONLY RATINGS — 60 Hz

SST (F)		569J*14A					
		Air Temperature Entering Condenser (F)					
		80	85	95	100	105	115
20	TC	100.80	97.40	90.30	86.60	83.00	75.50
	kW	8.48	8.97	10.00	10.53	11.07	12.19
	SDT	98.00	102.60	111.80	116.40	120.90	130.00
25	TC	111.50	107.80	100.20	96.30	92.40	84.40
	kW	8.66	9.15	10.20	10.75	11.31	12.47
	SDT	99.60	104.10	113.20	117.70	122.30	131.30
30	TC	122.90	118.90	110.70	106.60	102.40	93.90
	kW	8.84	9.35	10.41	10.97	11.55	12.75
	SDT	101.30	105.80	114.80	119.30	123.80	132.70
35	TC	134.90	130.60	121.90	117.40	113.00	103.80
	kW	9.05	9.55	10.64	11.21	11.80	13.03
	SDT	103.10	107.60	116.50	120.90	125.40	134.20
40	TC	147.70	143.00	133.70	128.90	124.10	114.30
	kW	9.27	9.78	10.88	11.47	12.07	13.32
	SDT	105.10	109.50	118.30	122.80	127.10	135.80
45	TC	161.10	156.20	146.10	141.00	135.80	125.40
	kW	9.51	10.03	11.15	11.73	12.34	13.61
	SDT	107.20	111.60	120.30	124.70	129.00	137.50
50	TC	175.40	170.10	159.30	153.80	148.30	137.10
	kW	9.78	10.30	11.42	12.02	12.63	13.92
	SDT	109.50	113.80	122.40	126.70	130.90	139.40

NOTE: Condensing unit only ratings are at 45°F SST and 95°F entering-air temperature. EER = 12.47

569J*14D CIRCUIT A AND B — CONDENSER ONLY RATINGS — 60 Hz

SST (F)		569J*14D Circuit A plus B					
		Air Temperature Entering Condenser (F)					
		85	95	100	105	115	120
20	TC	93.24	86.18	82.60	78.94	71.54	67.78
	kW	9.22	10.36	10.96	11.56	12.76	13.37
	SDT	104.40	113.30	117.80	122.20	130.90	135.20
25	TC	103.39	95.91	92.05	88.15	80.16	76.08
	kW	9.42	10.60	11.21	11.83	13.10	13.73
	SDT	106.10	114.90	119.30	123.70	132.30	136.60
30	TC	114.29	106.19	102.04	97.79	89.15	84.74
	kW	9.63	10.84	11.46	12.10	13.41	14.07
	SDT	107.80	116.60	120.90	125.30	133.80	138.00
35	TC	125.69	116.93	112.44	107.84	105.72	93.69
	kW	9.84	11.07	11.71	12.36	13.70	14.38
	SDT	109.50	118.20	122.60	126.80	135.20	139.40
40	TC	137.57	128.07	123.21	118.21	108.08	102.90
	kW	10.05	11.30	11.95	12.61	13.98	14.68
	SDT	111.30	119.90	124.20	128.40	136.70	140.80
45	TC	149.86	139.53	134.26	128.83	117.83	112.22
	kW	10.27	11.53	12.18	12.85	14.24	14.95
	SDT	113.10	121.60	125.80	130.00	138.10	142.10
50	TC	162.51	151.29	145.56	139.64	127.71	121.55
	kW	10.50	11.76	12.42	13.09	14.48	15.20
	SDT	114.90	123.30	127.50	131.60	139.60	143.50

NOTE: Condensing unit only ratings are at 45°F SST and 95°F entering-air temperature. EER = 10.5

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*16A TOTAL UNIT — CONDENSER ONLY RATINGS — 60 Hz

SST (F)		569J*16A					
		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

NOTE: Condensing unit only ratings are at 45°F SST and 95°F entering-air temperature. EER = 12.53

569J*16D CIRCUIT A AND B — CONDENSER ONLY RATINGS — 60 Hz

SST (F)		569J*16D Total Unit					
		Air Temperature Entering Condenser (F)					
		80	85	95	105	115	125
20	TC	127.6	123.7	116.0	108.1	99.7	90.2
	kW	10.0	10.6	11.9	13.4	14.9	16.6
	SDT	96.0	100.5	109.8	119.2	128.3	137.0
25	TC	140.9	136.7	128.3	119.5	110.4	101.2
	kW	10.0	10.6	11.9	13.4	14.9	16.6
	SDT	96.0	100.5	109.8	119.2	128.3	137.0
30	TC	155.0	150.5	141.3	132.0	122.3	111.4
	kW	10.4	11.0	12.3	13.7	15.3	17.0
	SDT	98.7	103.3	112.4	121.5	130.6	139.1
35	TC	170.1	165.3	155.4	145.2	134.4	123.3
	kW	10.6	11.2	12.5	14.0	15.5	17.2
	SDT	100.1	104.7	113.8	122.8	131.7	140.4
40	TC	186.3	181.0	170.3	159.0	147.3	134.9
	kW	10.8	11.4	12.8	14.2	15.8	17.4
	SDT	101.6	106.1	115.1	124.0	132.8	141.4
45	TC	203.4	197.6	185.7	173.5	160.6	147.2
	kW	11.1	11.7	13.0	14.4	16.0	17.6
	SDT	103.2	107.6	116.5	125.4	134.0	142.5
50	TC	221.4	214.9	202.0	188.6	174.5	159.7
	kW	11.4	12.0	13.3	14.7	16.2	17.9
	SDT	104.8	109.2	118.0	126.7	135.2	143.5

NOTE: Condensing unit only ratings are at 45°F SST and 95°F entering-air temperature. EER = 12.52

LEGEND

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

569J*25A TOTAL UNIT — CONDENSER ONLY RATINGS — 60 Hz

SST (F)		569J*25A					
		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

NOTE: Condensing unit only ratings are at 45°F SST and 95°F entering-air temperature. EER = 12.87

569J*25D CIRCUIT A AND B — CONDENSER ONLY RATINGS — 60 Hz

SST (F)		569J*25D Total Unit					
		Air Temperature Entering Condenser (F)					
		80	85	95	105	115	125
20	TC	160.3	155.5	145.3	134.3	122.5	109.6
	kW	12.7	13.4	15.0	16.8	18.8	21.1
	SDT	97.0	101.5	110.3	119.1	127.7	136.3
25	TC	177.2	171.9	160.8	149.0	136.3	122.3
	kW	12.7	13.4	15.0	16.8	18.8	21.1
	SDT	97.0	101.5	110.3	119.1	127.7	136.3
30	TC	195.1	189.4	177.4	164.5	150.7	135.6
	kW	13.2	13.9	15.5	17.3	19.3	21.5
	SDT	100.3	104.6	113.3	121.8	130.3	138.6
35	TC	214.3	208.0	194.9	180.9	165.9	149.5
	kW	13.5	14.3	15.8	17.6	19.6	21.8
	SDT	102.1	106.3	114.9	123.3	131.7	139.8
40	TC	234.6	227.7	213.4	198.2	181.7	163.9
	kW	13.9	14.6	16.2	17.9	19.9	22.1
	SDT	104.0	108.2	116.6	124.9	133.1	141.1
45	TC	256.3	258.7	242.3	224.9	206.2	186.1
	kW	14.3	15.2	16.7	18.5	20.4	22.5
	SDT	106.0	111.1	119.2	127.4	135.4	143.1
50	TC	279.1	272.0	254.7	236.3	216.6	195.4
	kW	14.7	15.5	17.0	18.7	20.6	22.7
	SDT	108.1	112.3	120.4	128.4	136.4	143.9

NOTE: Condensing unit only ratings are at 45°F SST and 95°F entering-air temperature. EER = 13.55

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*07A/524J*07 COMBINATION RATINGS — 60 Hz

				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	65.8	65.8	74.1	63.4	63.4	71.4	60.7	60.7	68.3	58.3	58.3	65.7	54.7	54.7	61.6		
			SHC	57.4	65.8	74.1	55.3	63.4	71.4	53.0	60.7	68.3	50.9	58.3	65.7	47.8	54.7	61.6		
		62	THC	68.1	68.1	70.7	65.2	65.2	69.2	62.0	62.0	67.6	58.1	58.1	65.7	54.6	54.6	55.4		
			SHC	51.9	61.3	70.7	50.4	59.8	69.2	48.9	58.3	67.6	47.1	56.4	65.7	36.3	45.9	55.4		
		67	THC	74.0	74.0	74.0	70.9	70.9	70.9	67.3	67.3	67.3	63.4	63.4	63.4	56.7	56.7	56.7		
			SHC	42.3	51.8	61.3	41.0	50.5	59.9	39.5	49.0	58.4	37.9	47.3	56.8	35.3	44.9	54.4		
		72	THC	80.7	80.7	80.7	77.3	77.3	77.3	73.6	73.6	73.6	69.4	69.4	69.4	63.2	63.2	63.2		
			SHC	32.7	42.2	51.8	31.4	40.9	50.4	30.0	39.5	49.0	28.4	37.9	47.4	26.2	35.7	45.3		
		76	THC	—	86.2	86.2	—	82.6	82.6	—	78.6	78.6	—	74.3	74.3	—	—	—		
			SHC	—	34.5	44.3	—	33.2	43.0	—	31.8	41.6	—	30.3	40.0	—	—	—		
		2100 Cfm	EA (wb)	58	THC	69.0	69.0	77.8	66.5	66.5	74.9	63.7	63.7	71.8	61.2	61.2	69.0	—	—	—
					SHC	60.3	69.0	77.8	58.0	66.5	74.9	55.6	63.7	71.8	53.5	61.2	69.0	—	—	—
62	THC			70.2	70.2	77.1	67.2	67.2	75.5	64.0	64.0	73.6	60.4	60.4	70.7	—	—	—		
	SHC			55.7	66.4	77.1	54.2	64.8	75.5	52.5	63.0	73.6	50.2	60.4	70.7	—	—	—		
67	THC			75.9	75.9	75.9	72.6	72.6	72.6	68.9	68.9	68.9	64.8	64.8	64.8	59.1	59.1	59.9		
	SHC			44.8	55.7	66.5	43.4	54.3	65.1	41.9	52.8	63.6	40.3	51.1	62	38.1	49	59.9		
72	THC			82.5	82.5	82.5	79.0	79.0	79.0	75.2	75.2	75.2	70.9	70.9	70.9	63.9	63.9	63.9		
	SHC			33.7	44.6	55.5	32.4	43.3	54.2	31.0	41.8	52.7	29.4	40.3	51.1	26.9	37.9	48.8		
76	THC			—	88.1	88.1	—	84.3	84.3	—	80.2	80.2	—	—	—	—	—	—		
	SHC			—	35.8	47.0	—	34.5	45.6	—	33.0	44.2	—	—	—	—	—	—		
2400 Cfm	EA (wb)			58	THC	71.7	71.7	80.8	69.0	69.0	77.8	66.1	66.1	74.5	62.6	62.6	70.6	58.9	58.9	66.3
					SHC	62.6	71.7	80.8	60.3	69.0	77.8	57.7	66.1	74.5	54.7	62.6	70.6	51.4	58.9	66.3
		62	THC	72.0	72.0	82.7	69.1	69.1	80.8	66.2	66.2	77.4	63.0	63.0	73.6	—	—	—		
			SHC	59.0	70.9	82.7	57.4	69.1	80.8	55.0	66.2	77.4	52.3	63.0	73.6	—	—	—		
		67	THC	77.3	77.3	77.3	74.0	74.0	74.0	70.2	70.2	70.2	66.1	66.1	66.9	62.5	62.5	65		
			SHC	47.1	59.3	71.5	45.7	57.9	70.1	44.2	56.4	68.6	42.6	54.7	66.9	41.0	53	65		
		72	THC	84.0	84.0	84.0	80.4	80.4	80.4	76.4	76.4	76.4	71.8	71.8	71.8	67.5	67.5	67.5		
			SHC	34.6	46.9	59.1	33.3	45.5	57.8	31.9	44.1	56.3	30.2	42.4	54.6	28.7	40.8	52.9		
		76	THC	—	89.5	89.5	—	85.7	85.7	—	81.4	81.4	—	—	—	—	—	—		
			SHC	—	36.9	49.4	—	35.6	48.1	—	34.2	46.6	—	—	—	—	—	—		
		2700 Cfm	EA (wb)	58	THC	73.9	73.9	83.3	71.2	71.2	80.2	68.1	68.1	76.7	64.8	64.8	73.0	58.6	58.6	66
					SHC	64.6	73.9	83.3	62.2	71.2	80.2	59.5	68.1	76.7	56.5	64.8	73.0	51.2	58.6	66
62	THC			74.0	74.0	86.5	71.3	71.3	83.3	68.2	68.2	79.7	64.8	64.8	75.8	—	—	—		
	SHC			61.5	74.0	86.5	59.2	71.3	83.3	56.6	68.2	79.7	53.8	64.8	75.8	—	—	—		
67	THC			78.5	78.5	78.5	75.1	75.1	75.1	71.2	71.2	73.2	67.0	67.0	71.5	63.2	63.2	69.4		
	SHC			49.3	62.7	76.2	47.9	61.3	74.8	46.4	59.8	73.2	44.7	58.1	71.5	43.0	56.2	69.4		
72	THC			85.1	85.1	85.1	81.4	81.4	81.4	77.3	77.3	77.3	72.6	72.6	72.6	—	—	—		
	SHC			35.5	49.0	62.5	34.2	47.6	61.1	32.7	46.1	59.6	31.1	44.5	57.9	—	—	—		
76	THC			—	90.7	90.7	—	86.7	86.7	—	82.3	82.3	—	—	—	—	—	—		
	SHC			—	38.1	51.8	—	36.7	50.4	—	35.3	48.9	—	—	—	—	—	—		
3000 Cfm	EA (wb)			58	THC	75.9	75.9	85.5	73.0	73.0	82.3	69.8	69.8	78.7	66.3	66.3	74.7	62.4	62.4	70.4
					SHC	66.3	75.9	85.5	63.8	73.0	82.3	61.0	69.8	78.7	57.9	66.3	74.7	54.5	62.4	70.4
		62	THC	75.9	75.9	88.8	73.1	73.1	85.4	69.9	69.9	81.7	66.4	66.4	77.6	60.2	60.2	70.4		
			SHC	63.1	75.9	88.8	60.7	73.1	85.4	58.0	69.9	81.7	55.1	66.4	77.6	50	60.2	70.4		
		67	THC	79.5	79.5	80.7	76.0	76.0	79.3	72.1	72.1	77.6	67.9	67.9	75.7	63.7	63.7	73.5		
			SHC	51.4	66.0	80.7	49.9	64.6	79.3	48.4	63.0	77.6	46.7	61.2	75.7	44.8	59.2	73.5		
		72	THC	86.1	86.1	86.1	82.3	82.3	82.3	78.0	78.0	78.0	73.3	73.3	73.3	—	—	—		
			SHC	36.3	51.0	65.8	35.0	49.7	64.4	33.5	48.1	62.8	31.9	46.5	61.1	—	—	—		
		76	THC	—	91.6	91.6	—	87.6	87.6	—	—	—	—	—	—	—	—	—		
			SHC	—	39.1	54.0	—	37.8	52.7	—	—	—	—	—	—	—	—	—		

LEGEND

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

569J*07A/524J*08 COMBINATION RATINGS — 60 Hz

				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	71.6	71.6	80.7	69.1	69.1	77.9	66.2	66.2	74.6	63.2	63.2	72.2	—	—	—	
			SHC	62.5	71.6	80.7	60.3	69.1	77.9	57.8	66.2	74.6	55.0	63.2	72.2	—	—	—	
		62	THC	72.5	72.5	81.5	69.6	69.6	79.6	66.6	66.6	76.6	63.2	63.2	73.2	—	—	—	
			SHC	58.5	70.0	81.5	56.9	68.2	79.6	54.6	65.6	76.6	52.1	62.7	73.2	—	—	—	
		67	THC	78.1	78.1	78.1	74.8	74.8	74.8	71.2	71.2	71.2	67.0	67.0	67.7	60.9	60.9	64.5	
			SHC	46.9	58.7	70.5	45.6	57.4	69.1	44.1	55.9	67.6	42.4	54.2	66.0	40.1	52.0	63.8	
	72	THC	84.9	84.9	84.9	81.4	81.4	81.4	77.4	77.4	77.4	73.1	73.1	73.1	68.9	68.9	68.9		
		SHC	34.9	46.7	58.6	33.6	45.4	57.3	32.1	43.9	55.8	30.5	42.3	54.1	29.0	40.7	52.5		
	76	THC	—	90.6	90.6	—	86.9	86.9	—	82.5	82.5	—	77.1	77.1	—	—	—		
		SHC	—	37.1	49.1	—	35.9	47.9	—	33.5	43.4	—	31.9	41.8	—	—	—		
	2600 Cfm	EA (wb)	58	THC	74.8	74.8	84.2	72.1	72.1	81.3	69.0	69.0	77.8	65.7	65.7	74.0	62.2	62.2	70.0
				SHC	65.3	74.8	84.2	62.9	72.1	81.3	60.3	69.0	77.8	57.3	65.7	74.0	54.3	62.2	70.0
62			THC	74.9	74.9	87.2	72.1	72.1	84.3	69.1	69.1	80.8	65.7	65.7	76.8	61.7	61.7	72.1	
			SHC	62.0	74.6	87.2	60.0	72.1	84.3	57.4	69.1	80.8	54.6	65.7	76.8	51.2	61.7	72.1	
67			THC	79.8	79.8	79.8	76.3	76.3	76.4	72.6	72.6	74.2	68.4	68.4	71.9	63.9	63.9	69.8	
			SHC	49.7	63.1	76.5	48.3	61.8	75.1	46.8	60.2	73.6	45.1	58.5	71.9	43.3	56.5	69.8	
72		THC	86.5	86.5	86.5	82.9	82.9	82.9	78.8	78.8	78.8	74.3	74.3	74.3	69.5	69.5	69.5		
		SHC	36.0	49.4	62.9	34.7	48.1	61.6	33.2	46.6	60.1	31.6	45.0	58.4	29.9	43.3	56.7		
76		THC	—	92.3	92.3	—	87.7	87.7	—	—	—	—	—	—	—	—	—		
		SHC	—	38.5	52.2	—	36.5	49.2	—	—	—	—	—	—	—	—	—		
3000 Cfm		EA (wb)	58	THC	77.6	77.6	87.4	74.8	74.8	84.2	71.5	71.5	80.6	67.9	67.9	76.5	64.9	64.9	73.1
				SHC	67.7	77.6	87.4	65.3	74.8	84.2	62.5	71.5	80.6	59.3	67.9	76.5	56.7	64.9	73.1
	62		THC	77.7	77.7	90.8	74.8	74.8	87.5	71.6	71.6	83.7	67.9	67.9	79.4	64.9	64.9	75.9	
			SHC	64.5	77.7	90.8	62.1	74.8	87.5	59.5	71.6	83.7	56.4	67.9	79.4	53.9	64.9	75.9	
	67		THC	81.2	81.2	83.0	77.7	77.7	81.6	73.9	73.9	80.0	69.6	69.6	78.0	65.3	65.3	74.4	
			SHC	52.7	67.8	83.0	51.3	66.4	81.6	49.8	64.9	80.0	48.0	63.0	78.0	44.5	59.4	74.4	
	72	THC	87.9	87.9	87.9	84.2	84.2	84.2	80.0	80.0	80.0	75.3	75.3	75.3	70.2	70.2	70.2		
		SHC	37.1	52.3	67.6	35.8	51.0	66.2	34.3	49.5	64.7	32.7	47.9	63.0	31.0	46.1	61.2		
	76	THC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
		SHC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	3400 Cfm	EA (wb)	58	THC	79.7	79.7	89.8	76.8	76.8	86.4	73.4	73.4	82.7	69.6	69.6	78.4	64.8	64.8	73.0
				SHC	69.6	79.7	89.8	67.0	76.8	86.4	64.1	73.4	82.7	60.8	69.6	78.4	56.6	64.8	73.0
62			THC	79.8	79.8	93.3	76.8	76.8	89.8	73.5	73.5	85.9	69.7	69.7	81.4	65.6	65.6	76.8	
			SHC	66.3	79.8	93.3	63.8	76.8	89.8	61.0	73.5	85.9	57.8	69.7	81.4	54.5	65.6	76.8	
67			THC	82.3	82.3	88.8	78.8	78.8	87.3	74.9	74.9	85.5	70.6	70.6	83.2	—	—	—	
			SHC	55.4	72.1	88.8	53.9	70.6	87.3	52.4	68.9	85.5	50.5	66.8	83.2	—	—	—	
72		THC	88.9	88.9	88.9	85.1	85.1	85.1	80.8	80.8	80.8	76.1	76.1	76.1	—	—	—		
		SHC	38.2	55.0	71.9	36.9	53.7	70.5	35.4	52.2	69.0	33.8	50.5	67.3	—	—	—		
76		THC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
		SHC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
3750 Cfm		EA (wb)	58	THC	81.5	81.5	91.9	78.5	78.5	88.4	75.0	75.0	84.5	71.1	71.1	80.1	64.7	64.7	72.9
				SHC	71.2	81.5	91.9	68.5	78.5	88.4	65.5	75.0	84.5	62.1	71.1	80.1	56.5	64.7	72.9
	62		THC	81.6	81.6	95.4	78.5	78.5	91.8	75.1	75.1	87.8	71.2	71.2	83.2	66.3	66.3	77.5	
			SHC	67.8	81.6	95.4	65.2	78.5	91.8	62.4	75.1	87.8	59.1	71.2	83.2	55.1	66.3	77.5	
	67		THC	83.2	83.2	93.9	79.7	79.7	92.2	75.8	75.8	90.3	71.5	71.5	87.7	—	—	—	
			SHC	57.7	75.8	93.9	56.2	74.2	92.2	54.6	72.4	90.3	52.6	70.2	87.7	—	—	—	
	72	THC	89.7	89.7	89.7	85.8	85.8	85.8	81.5	81.5	81.5	76.8	76.8	76.8	—	—	—		
		SHC	39.1	57.4	75.7	37.8	56.0	74.3	36.3	54.5	72.7	34.7	52.8	71.0	—	—	—		
	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*08A/524J*08 COMBINATION RATINGS — 60 Hz

			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	84.6	84.6	95.4	81.7	81.7	92.1	78.5	78.5	88.5	75.5	75.5	85.1	70.7	70.7	79.7	
			SHC	73.9	84.6	95.4	71.3	81.7	92.1	68.5	78.5	88.5	65.9	75.5	85.1	61.7	70.7	79.7	
		62	THC	88.2	88.2	89.4	84.6	84.6	87.6	80.7	80.7	85.6	76.9	76.9	83.6	73.2	73.2	81.3	
			SHC	66.1	77.7	89.4	64.3	75.9	87.6	62.4	74.0	85.6	60.5	72.0	83.6	58.5	69.9	81.3	
		67	THC	95.5	95.5	95.5	91.5	91.5	91.5	87.3	87.3	87.3	82.7	82.7	82.7	76.1	76.1	76.1	
			SHC	54.1	65.8	77.5	52.3	64.1	75.8	50.5	62.2	74.0	48.6	60.3	72.0	46.0	57.8	69.5	
	72	THC	103.4	103.4	103.4	99.2	99.2	99.2	94.6	94.6	94.6	89.6	89.6	89.6	82.3	82.3	82.3		
		SHC	41.8	53.7	65.5	40.2	52.0	63.8	38.4	50.2	62.0	36.6	48.3	60.1	33.8	45.6	57.4		
	76	THC	—	109.9	109.9	—	105.4	105.4	—	100.6	100.6	—	95.3	95.3	—	—	—		
		SHC	—	43.9	56.2	—	42.3	54.7	—	40.6	52.8	—	38.7	50.9	—	—	—		
	2625 Cfm	EA (wb)	58	THC	88.7	88.7	99.9	85.6	85.6	96.4	82.1	82.1	92.5	78.7	78.7	88.7	75.4	75.4	85.0
				SHC	77.4	88.7	99.9	74.7	85.6	96.4	71.7	82.1	92.5	68.8	78.7	88.7	65.8	75.4	85.0
62			THC	90.7	90.7	97.2	87.0	87.0	95.3	83.0	83.0	93.1	78.9	78.9	90.6	75.3	75.3	86.4	
			SHC	70.7	84.0	97.2	68.8	82.1	95.3	66.9	80.0	93.1	64.7	77.6	90.6	61.7	74.0	86.4	
67			THC	97.8	97.8	97.8	93.7	93.7	93.7	89.2	89.2	89.2	84.4	84.4	84.4	76.7	76.7	76.7	
			SHC	57.0	70.4	83.8	55.3	68.7	82.1	53.4	66.8	80.2	51.5	64.8	78.2	48.6	62.0	75.5	
72		THC	105.7	105.7	105.7	101.3	101.3	101.3	96.5	96.5	96.5	91.5	91.5	91.5	86.2	86.2	86.2		
		SHC	43.0	56.5	70.0	41.4	54.9	68.3	39.6	53.0	66.5	37.8	51.2	64.5	35.8	49.2	62.5		
76		THC	—	112.2	112.2	—	107.6	107.6	—	102.5	102.5	—	97.0	97.0	—	—	—		
		SHC	—	45.4	59.5	—	43.8	57.8	—	42.0	55.9	—	40.2	54.0	—	—	—		
3000 Cfm		EA (wb)	58	THC	92.0	92.0	103.7	88.7	88.7	99.9	85.1	85.1	95.9	81.2	81.2	91.5	76.0	76.0	85.7
				SHC	80.3	92.0	103.7	77.4	88.7	99.9	74.3	85.1	95.9	70.9	81.2	91.5	66.4	76.0	85.7
	62		THC	92.9	92.9	104.3	89.2	89.2	102.0	85.1	85.1	99.5	81.4	81.4	95.1	—	—	—	
			SHC	74.9	89.6	104.3	72.9	87.4	102.0	70.7	85.1	99.5	67.6	81.4	95.1	—	—	—	
	67		THC	99.6	99.6	99.6	95.3	95.3	95.3	90.8	90.8	90.8	86.0	86.0	86.0	79.1	79.1	81.7	
			SHC	59.7	74.7	89.8	58.0	73.0	88.0	56.1	71.1	86.1	54.2	69.1	84.1	51.7	66.7	81.7	
	72	THC	107.5	107.5	107.5	103.0	103.0	103.0	98.0	98.0	98.0	92.9	92.9	92.9	88.0	88.0	88.0		
		SHC	44.1	59.2	74.3	42.5	57.5	72.6	40.7	55.7	70.7	38.8	53.8	68.7	37.0	51.8	66.7		
	76	THC	—	114.0	114.0	—	109.1	109.1	—	103.9	103.9	—	98.3	98.3	—	—	—		
		SHC	—	46.9	62.4	—	45.2	60.7	—	43.4	58.8	—	41.5	56.8	—	—	—		
	3375 Cfm	EA (wb)	58	THC	94.8	94.8	106.8	91.3	91.3	102.9	87.5	87.5	98.6	83.4	83.4	94.0	77.9	77.9	87.8
				SHC	82.8	94.8	106.8	79.7	91.3	102.9	76.4	87.5	98.6	72.9	83.4	94.0	68.0	77.9	87.8
62			THC	94.8	94.8	110.9	91.4	91.4	106.8	87.6	87.6	102.4	83.5	83.5	97.6	79.3	79.3	92.7	
			SHC	78.8	94.8	110.9	75.9	91.4	106.8	72.8	87.6	102.4	69.3	83.5	97.6	65.9	79.3	92.7	
67			THC	101.0	101.0	101.0	96.6	96.6	96.6	92.0	92.0	92.0	87.0	87.0	89.6	82.8	82.8	87.3	
			SHC	62.3	78.9	95.4	60.6	77.1	93.7	58.7	75.2	91.7	56.7	73.2	89.6	54.8	71.0	87.3	
72		THC	108.9	108.9	108.9	104.3	104.3	104.3	99.2	99.2	99.2	93.8	93.8	93.8	—	—	—		
		SHC	45.2	61.7	78.3	43.5	60.0	76.6	41.7	58.2	74.7	39.7	56.2	72.6	—	—	—		
76		THC	—	115.4	115.4	—	110.4	110.4	—	105.1	105.1	—	—	—	—	—	—		
		SHC	—	48.2	65.2	—	46.5	63.4	—	44.7	61.6	—	—	—	—	—	—		
3750 Cfm		EA (wb)	58	THC	97.1	97.1	109.5	93.5	93.5	105.4	89.6	89.6	101.0	85.3	85.3	96.1	—	—	—
				SHC	84.8	97.1	109.5	81.7	93.5	105.4	78.2	89.6	101.0	74.5	85.3	96.1	—	—	—
	62		THC	97.2	97.2	113.7	93.6	93.6	109.5	89.7	89.7	104.8	85.5	85.5	100.0	78.2	78.2	91.4	
			SHC	80.8	97.2	113.7	77.8	93.6	109.5	74.5	89.7	104.8	71.1	85.5	100.0	64.9	78.2	91.4	
	67		THC	102.2	102.2	102.2	97.7	97.7	99.0	93.1	93.1	97.0	88.1	88.1	94.8	—	—	—	
			SHC	64.8	82.8	100.8	63.0	81.0	99.0	61.1	79.1	97.0	59.1	77.0	94.8	—	—	—	
	72	THC	110.1	110.1	110.1	105.3	105.3	105.3	100.2	100.2	100.2	94.7	94.7	94.7	—	—	—		
		SHC	46.1	64.2	82.2	44.4	62.4	80.4	42.6	60.5	78.4	40.7	58.5	76.4	—	—	—		
	76	THC	—	116.5	116.5	—	111.5	111.5	—	106.0	106.0	—	—	—	—	—	—		
		SHC	—	49.4	67.8	—	47.7	66.0	—	45.9	64.1	—	—	—	—	—	—		

LEGEND

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

569J*08A/524J*12 COMBINATION RATINGS — 60 Hz

				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	93.7	93.7	105.5	90.3	90.3	101.8	86.7	86.7	97.7	82.7	82.7	93.2	—	—	—	
			SHC	81.8	93.7	105.5	78.9	90.3	101.8	75.7	86.7	97.7	72.2	82.7	93.2	—	—	—	
		62	THC	94.5	94.5	106.5	90.8	90.8	104.2	86.8	86.8	101.5	83.0	83.0	97.0	78.0	78.0	91.2	
			SHC	76.4	91.4	106.5	74.4	89.3	104.2	72.1	86.8	101.5	68.9	83.0	97.0	64.8	78.0	91.2	
		67	THC	101.3	101.3	101.3	97.0	97.0	97.0	92.4	92.4	92.4	87.7	87.7	87.7	80.4	80.4	83.5	
			SHC	60.9	76.3	91.7	59.2	74.5	89.9	57.3	72.7	88.0	55.4	70.7	86.0	52.7	68.1	83.5	
	72	THC	109.4	109.4	109.4	104.9	104.9	104.9	100.0	100.0	100.0	94.7	94.7	94.7	87.1	87.1	87.1		
		SHC	44.9	60.4	75.8	43.3	58.7	74.1	41.5	56.9	72.2	39.6	54.9	70.2	36.9	52.2	67.6		
	76	THC	—	116.1	116.1	—	111.3	111.3	—	106.1	106.1	—	100.4	100.4	—	—	—		
		SHC	—	47.7	63.5	—	46.0	61.8	—	44.3	60.0	—	42.3	57.9	—	—	—		
	3500 Cfm	EA (wb)	58	THC	97.4	97.4	109.7	93.9	93.9	105.8	90.0	90.0	101.4	85.9	85.9	96.8	79.7	79.7	89.8
				SHC	85.0	97.4	109.7	82.0	93.9	105.8	78.6	90.0	101.4	75.0	85.9	96.8	69.6	79.7	89.8
62			THC	97.5	97.5	114.0	93.9	93.9	109.9	90.1	90.1	105.4	86.0	86.0	100.5	82.6	82.6	96.6	
			SHC	81.0	97.5	114.0	78.0	93.9	109.9	74.8	90.1	105.4	71.4	86.0	100.5	68.6	82.6	96.6	
67			THC	103.2	103.2	103.2	98.8	98.8	98.8	94.2	94.2	95.8	89.1	89.1	93.7	82.7	82.7	91.4	
			SHC	64.5	82.1	99.6	62.8	80.3	97.8	60.9	78.4	95.8	58.9	76.3	93.7	56.5	73.9	91.4	
72		THC	111.2	111.2	111.2	106.6	106.6	106.6	101.6	101.6	101.6	96.2	96.2	96.2	88.8	88.8	88.8		
		SHC	46.3	63.9	81.4	44.7	62.2	79.7	42.9	60.3	77.8	40.9	58.3	75.8	38.4	55.8	73.2		
76		THC	—	117.9	117.9	—	113.0	113.0	—	107.6	107.6	—	101.8	101.8	—	—	—		
		SHC	—	49.5	67.4	—	47.8	65.6	—	46.0	63.7	—	44.0	61.6	—	—	—		
4000 Cfm		EA (wb)	58	THC	100.4	100.4	113.1	96.7	96.7	109.0	92.7	92.7	104.5	88.4	88.4	99.6	82.0	82.0	92.4
				SHC	87.7	100.4	113.1	84.4	96.7	109.0	80.9	92.7	104.5	77.2	88.4	99.6	71.6	82.0	92.4
	62		THC	100.4	100.4	117.4	96.8	96.8	113.2	92.8	92.8	108.5	88.4	88.4	103.4	81.7	81.7	95.5	
			SHC	83.4	100.4	117.4	80.4	96.8	113.2	77.1	92.8	108.5	73.5	88.4	103.4	67.8	81.7	95.5	
	67		THC	104.7	104.7	107.0	100.3	100.3	105.1	95.5	95.5	103.1	90.4	90.4	100.8	82.8	82.8	94.5	
			SHC	67.9	87.5	107.0	66.1	85.6	105.1	64.2	83.6	103.1	62.2	81.5	100.8	54.7	74.6	94.5	
	72	THC	112.7	112.7	112.7	108.0	108.0	108.0	102.8	102.8	102.8	97.3	97.3	97.3	89.9	89.9	89.9		
		SHC	47.7	67.2	86.7	46.0	65.5	84.9	44.1	63.6	83.0	42.2	61.6	80.9	39.7	59.0	78.4		
	76	THC	—	119.4	119.4	—	114.3	114.3	—	108.7	108.7	—	103.0	103.0	—	94.3	94.3		
		SHC	—	51.2	71.0	—	49.5	69.2	—	47.6	67.2	—	45.6	65.1	—	42.8	62.0		
	4500 Cfm	EA (wb)	58	THC	102.7	102.7	115.7	98.9	98.9	111.5	94.8	94.8	106.8	90.3	90.3	101.7	85.1	85.1	95.9
				SHC	89.7	102.7	115.7	86.3	98.9	111.5	82.7	94.8	106.8	78.9	90.3	101.7	74.3	85.1	95.9
62			THC	102.8	102.8	120.2	99.0	99.0	115.7	94.8	94.8	110.9	90.3	90.3	105.6	83.6	83.6	97.8	
			SHC	85.4	102.8	120.2	82.2	99.0	115.7	78.8	94.8	110.9	75.1	90.3	105.6	69.5	83.6	97.8	
67			THC	105.9	105.9	113.8	101.5	101.5	111.7	96.7	96.7	109.5	91.6	91.6	106.8	84.0	84.0	100.0	
			SHC	71.0	92.4	113.8	69.2	90.5	111.7	67.2	88.3	109.5	65.0	85.9	106.8	57.0	76.0	100.0	
72		THC	113.8	113.8	113.8	109.0	109.0	109.0	103.7	103.7	103.7	98.1	98.1	98.1	89.5	89.5	89.5		
		SHC	48.9	70.3	91.7	47.2	68.6	89.9	45.3	66.6	87.9	43.4	64.6	85.7	40.6	61.8	83.1		
76		THC	—	120.4	120.4	—	115.3	115.3	—	109.6	109.6	—	103.9	103.9	—	—	—		
		SHC	—	52.7	74.3	—	51.0	72.4	—	49.1	70.3	—	47.1	68.1	—	—	—		
5000 Cfm		EA (wb)	58	THC	105.0	105.0	118.3	101.0	101.0	113.9	96.8	96.8	109.0	92.1	92.1	103.8	88.1	88.1	99.3
				SHC	91.7	105.0	118.3	88.2	101.0	113.9	84.5	96.8	109.0	80.5	92.1	103.8	76.9	88.1	99.3
	62		THC	105.1	105.1	122.9	101.1	101.1	118.2	96.8	96.8	113.2	92.2	92.2	107.8	85.5	85.5	100.0	
			SHC	87.3	105.1	122.9	84.0	101.1	118.2	80.4	96.8	113.2	76.6	92.2	107.8	71.1	85.5	100.0	
	67		THC	107.1	107.1	120.5	102.6	102.6	118.3	97.8	97.8	115.8	92.7	92.7	112.8	—	—	—	
			SHC	74.1	97.3	120.5	72.2	95.3	118.3	70.1	93.0	115.8	67.8	90.3	112.8	—	—	—	
	72	THC	114.9	114.9	114.9	109.9	109.9	109.9	104.6	104.6	104.6	98.9	98.9	98.9	—	—	—		
		SHC	50.1	73.4	96.7	48.4	71.6	94.8	46.5	69.6	92.7	44.6	67.5	90.5	—	—	—		
	76	THC	—	121.4	121.4	—	116.2	116.2	—	110.4	110.4	—	104.7	104.7	—	—	—		
		SHC	—	54.2	77.5	—	52.4	75.6	—	50.5	73.4	—	48.5	71.1	—	—	—		

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*12A/524J*12 COMBINATION RATINGS — 60 Hz

				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	110.5	110.5	121.5	106.2	106.2	117.1	101.6	101.6	112.4	96.9	96.9	107.5	92.5	92.5	102.9		
			SHC	99.4	110.5	121.5	95.3	106.2	117.1	90.9	101.6	112.4	86.3	96.9	107.5	82.0	92.5	102.9		
		62	THC	114.0	114.0	114.0	108.8	108.8	111.4	103.3	103.3	108.7	97.6	97.6	105.6	91.2	91.2	101.6		
			SHC	92.3	103.2	114.0	89.9	100.6	111.4	87.3	98.0	108.7	84.5	95.1	105.6	80.8	91.2	101.6		
		67	THC	123.2	123.2	123.2	117.4	117.4	117.4	111.5	111.5	111.5	105.1	105.1	105.1	—	—	—		
			SHC	76.4	86.8	97.2	74.1	84.4	94.7	71.7	81.9	92.1	69.1	79.3	89.4	—	—	—		
		72	THC	133.0	133.0	133.0	126.8	126.8	126.8	120.4	120.4	120.4	113.5	113.5	113.5	106.0	106.0	106.0		
			SHC	60.2	70.1	79.9	57.9	67.7	77.5	55.6	65.3	74.9	53.2	62.7	72.3	50.5	60.0	69.4		
		76	THC	—	140.7	140.7	—	134.2	134.2	—	127.6	127.6	—	120.2	120.2	—	—	—		
			SHC	—	56.4	65.8	—	54.1	63.4	—	51.8	61.0	—	49.3	58.4	—	—	—		
		3500 Cfm	EA (wb)	58	THC	115.8	115.8	128.4	111.2	111.2	123.6	106.3	106.3	118.6	101.1	101.1	113.2	94.3	94.3	106.2
					SHC	103.3	115.8	128.4	98.8	111.2	123.6	94.1	106.3	118.6	89.0	101.1	113.2	82.5	94.3	106.2
62	THC			117.4	117.4	124.5	112.0	112.0	121.6	106.6	106.6	118.3	101.1	101.1	113.2	93.0	93.0	104.8		
	SHC			99.5	112.0	124.5	96.9	109.2	121.6	93.8	106.0	118.3	89.0	101.1	113.2	81.2	93.0	104.8		
67	THC			126.1	126.1	126.1	120.0	120.0	120.0	113.8	113.8	113.8	107.2	107.2	107.2	101.0	101.0	101.0		
	SHC			81.5	93.4	105.4	79.1	91.0	102.8	76.7	88.4	100.2	74.1	85.8	97.4	71.6	83.2	94.7		
72	THC			135.6	135.6	135.6	129.2	129.2	129.2	122.6	122.6	122.6	115.5	115.5	115.5	108.0	108.0	108.0		
	SHC			62.8	74.1	85.4	60.5	71.7	82.9	58.2	69.3	80.4	55.7	66.7	77.7	53.2	64.0	74.9		
76	THC			—	143.2	143.2	—	136.5	136.5	—	129.7	129.7	—	—	—	—	—	—		
	SHC			—	58.4	69.2	—	56.1	66.8	—	53.8	64.4	—	—	—	—	—	—		
4000 Cfm	EA (wb)			58	THC	120.2	120.2	134.3	115.3	115.3	129.2	110.1	110.1	123.8	104.5	104.5	118.0	97.1	97.1	110.4
					SHC	106.1	120.2	134.3	101.4	115.3	129.2	96.4	110.1	123.8	91.0	104.5	118.0	83.9	97.1	110.4
		62	THC	120.5	120.5	133.7	115.3	115.3	129.2	110.2	110.2	123.9	104.6	104.6	118.1	97.0	97.0	110.3		
			SHC	105.6	119.7	133.7	101.4	115.3	129.2	96.5	110.2	123.9	91.1	104.6	118.1	83.8	97.0	110.3		
		67	THC	128.2	128.2	128.2	122.0	122.0	122.0	115.6	115.6	115.6	108.8	108.8	108.8	101.3	101.3	102.0		
			SHC	86.2	99.7	113.2	83.9	97.2	110.6	81.4	94.7	108.0	78.8	92.0	105.1	76.0	89.0	102.0		
		72	THC	137.6	137.6	137.6	131.0	131.0	131.0	124.2	124.2	124.2	116.9	116.9	116.9	109.3	109.3	109.3		
			SHC	65.2	78.0	90.7	62.9	75.6	88.2	60.6	73.1	85.7	58.1	70.6	83.0	55.6	67.8	80.1		
		76	THC	—	145.0	145.0	—	138.2	138.2	—	131.2	131.2	—	—	—	—	—	—		
			SHC	—	60.3	72.5	—	58.1	70.1	—	55.8	67.7	—	—	—	—	—	—		
		4500 Cfm	EA (wb)	58	THC	123.8	123.8	139.3	118.6	118.6	134.0	113.2	113.2	128.4	107.3	107.3	122.2	102.3	102.3	117.1
					SHC	108.2	123.8	139.3	103.2	118.6	134.0	98.0	113.2	128.4	92.4	107.3	122.2	87.6	102.3	117.1
62	THC			123.9	123.9	139.4	118.7	118.7	134.1	113.3	113.3	128.4	107.4	107.4	122.3	101.8	101.8	116.5		
	SHC			108.3	123.9	139.4	103.3	118.7	134.1	98.1	113.3	128.4	92.5	107.4	122.3	87.1	101.8	116.5		
67	THC			130.0	130.0	130.0	123.6	123.6	123.6	117.1	117.1	117.1	110.2	110.2	112.5	102.8	102.8	109.3		
	SHC			90.8	105.8	120.9	88.3	103.2	118.2	85.8	100.6	115.4	83.2	97.8	112.5	80.3	94.8	109.3		
72	THC			139.1	139.1	139.1	132.4	132.4	132.4	125.5	125.5	125.5	118.1	118.1	118.1	—	—	—		
	SHC			67.4	81.7	95.9	65.2	79.3	93.3	62.9	76.8	90.8	60.4	74.2	88.1	—	—	—		
76	THC			—	146.4	146.4	—	139.6	139.6	—	—	—	—	—	—	—	—	—		
	SHC			—	62.2	75.7	—	59.9	73.3	—	—	—	—	—	—	—	—	—		
5000 Cfm	EA (wb)			58	THC	126.8	126.8	143.8	121.4	121.4	138.2	115.8	115.8	132.3	109.8	109.8	126.1	103.0	103.0	119.1
					SHC	109.8	126.8	143.8	104.5	121.4	138.2	99.2	115.8	132.3	93.4	109.8	126.1	86.9	103.0	119.1
		62	THC	126.9	126.9	143.9	121.4	121.4	138.2	115.9	115.9	132.4	109.8	109.8	126.2	103.1	103.1	119.2		
			SHC	109.8	126.9	143.9	104.6	121.4	138.2	99.3	115.9	132.4	93.5	109.8	126.2	87.0	103.1	119.2		
		67	THC	131.4	131.4	131.4	125.0	125.0	125.5	118.4	118.4	122.7	111.5	111.5	119.6	104.1	104.1	116.1		
			SHC	95.1	111.7	128.2	92.6	109.1	125.5	90.1	106.4	122.7	87.3	103.4	119.6	84.2	100.1	116.1		
		72	THC	140.3	140.3	140.3	133.5	133.5	133.5	126.6	126.6	126.6	119.0	119.0	119.0	—	—	—		
			SHC	69.6	85.3	100.9	67.4	82.9	98.4	65.1	80.5	95.9	62.6	77.9	93.2	—	—	—		
		76	THC	—	147.6	147.6	—	—	—	—	—	—	—	—	—	—	—	—		
			SHC	—	64.0	78.8	—	—	—	—	—	—	—	—	—	—	—	—		

LEGEND

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

569J*12A/524J*14 COMBINATION RATINGS — 60 Hz

				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	119.7	119.7	132.9	115.2	115.2	128.3	110.5	110.5	123.4	105.3	105.3	118.0	97.9	97.9	110.4		
			SHC	106.5	119.7	132.9	102.2	115.2	128.3	97.6	110.5	123.4	92.6	105.3	118.0	85.5	97.9	110.4		
		62	THC	121.2	121.2	130.3	116.0	116.0	127.0	110.8	110.8	122.9	105.4	105.4	118.1	98.7	98.7	111.1		
			SHC	104.0	117.2	130.3	101.0	114.0	127.0	97.2	110.1	122.9	92.7	105.4	118.1	86.2	98.7	111.1		
		67	THC	130.0	130.0	130.0	124.4	124.4	124.4	118.5	118.5	118.5	112.0	112.0	112.0	104.9	104.9	104.9		
			SHC	85.3	97.8	110.3	83.1	95.5	108.0	80.8	93.1	105.5	78.3	90.5	102.7	75.6	87.7	99.8		
		72	THC	139.4	139.4	139.4	133.7	133.7	133.7	127.7	127.7	127.7	120.9	120.9	120.9	113.5	113.5	113.5		
			SHC	65.3	77.1	88.8	63.3	75.0	86.7	61.2	72.8	84.4	58.9	70.4	81.8	56.3	67.7	79.0		
		76	THC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
			SHC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
		4300 Cfm	EA (wb)	58	THC	124.1	124.1	138.8	119.4	119.4	134.1	114.5	114.5	128.9	109.0	109.0	123.2	100.5	100.5	114.4
					SHC	109.2	124.1	138.8	104.8	119.4	134.1	100.0	114.5	128.9	94.8	109.0	123.2	86.6	100.5	114.4
62	THC			124.5	124.5	138.3	119.5	119.5	134.1	114.5	114.5	128.9	109.1	109.1	123.3	101.0	101.0	114.9		
	SHC			108.7	123.5	138.3	104.9	119.5	134.1	100.1	114.5	128.9	94.9	109.1	123.3	87.1	101.0	114.9		
67	THC			132.1	132.1	132.1	126.4	126.4	126.4	120.4	120.4	121.1	113.8	113.8	115.6	106.5	106.5	109.5		
	SHC			90.7	104.9	119.0	88.5	102.5	116.6	86.1	100.1	114.1	83.6	97.4	111.2	80.7	94.5	108.1		
72	THC			141.3	141.3	141.3	135.5	135.5	135.5	129.5	129.5	129.5	122.6	122.6	122.6	114.3	114.3	114.3		
	SHC			68.1	81.4	94.7	66.1	79.3	92.6	64.0	77.1	90.3	61.7	74.7	87.7	57.6	69.7	81.7		
76	THC			—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	SHC			—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
5000 Cfm	EA (wb)			58	THC	128.9	128.9	145.7	124.1	124.1	140.7	118.9	118.9	135.3	113.2	113.2	129.3	106.8	106.8	122.7
					SHC	112.1	128.9	145.7	107.5	124.1	140.7	102.5	118.9	135.3	97.0	113.2	129.3	90.9	106.8	122.7
		62	THC	129.0	129.0	145.8	124.2	124.2	140.7	119.0	119.0	135.3	113.3	113.3	129.4	106.8	106.8	122.7		
			SHC	112.2	129.0	145.8	107.6	124.2	140.7	102.6	119.0	135.3	97.1	113.3	129.4	91.0	106.8	122.7		
		67	THC	134.4	134.4	134.4	128.6	128.6	128.6	122.5	122.5	124.7	115.8	115.8	121.8	108.4	108.4	118.5		
			SHC	97.3	113.6	129.8	95.1	111.2	127.4	92.7	108.7	124.7	90.1	105.9	121.8	87.0	102.8	118.5		
		72	THC	143.4	143.4	143.4	137.5	137.5	137.5	131.3	131.3	131.3	124.3	124.3	124.3	—	—	—		
			SHC	71.6	86.8	102.0	69.6	84.7	99.9	67.5	82.6	97.6	65.2	80.1	95.0	—	—	—		
		76	THC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
			SHC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
		5700 Cfm	EA (wb)	58	THC	132.3	132.3	151.0	127.3	127.3	145.8	122.0	122.0	140.3	116.1	116.1	134.1	109.5	109.5	127.2
					SHC	113.6	132.3	151.0	108.8	127.3	145.8	103.7	122.0	140.3	98.1	116.1	134.1	91.8	109.5	127.2
62	THC			132.4	132.4	151.1	127.4	127.4	145.9	122.1	122.1	140.3	116.2	116.2	134.2	109.5	109.5	127.3		
	SHC			113.7	132.4	151.1	108.9	127.4	145.9	103.8	122.1	140.3	98.1	116.2	134.2	91.8	109.5	127.3		
67	THC			136.0	136.0	141.8	130.2	130.2	137.7	124.1	124.1	134.2	117.4	117.4	130.6	110.3	110.3	125.5		
	SHC			103.2	121.5	139.8	100.8	119.0	137.2	98.1	116.1	134.2	94.9	112.7	130.6	90.2	107.8	125.5		
72	THC			144.7	144.7	144.7	138.8	138.8	138.8	132.0	132.0	140.6	126.0	126.0	133.0	—	—	—		
	SHC			74.8	92.0	109.1	72.8	89.9	107.0	71.4	88.0	81.8	68.7	85.2	101.8	—	—	—		
76	THC			—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	SHC			—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
6250 Cfm	EA (wb)			58	THC	134.9	134.9	155.1	129.8	129.8	149.8	124.4	124.4	144.2	118.3	118.3	137.8	111.6	111.6	130.8
					SHC	114.7	134.9	155.1	109.9	129.8	149.8	104.7	124.4	144.2	98.9	118.3	137.8	92.5	111.6	130.8
		62	THC	135.0	135.0	155.2	129.9	129.9	149.9	124.5	124.5	144.2	118.4	118.4	137.9	111.7	111.7	130.9		
			SHC	114.8	135.0	155.2	109.9	129.9	149.9	104.7	124.5	144.2	98.9	118.4	137.9	92.5	111.7	130.9		
		67	THC	137.2	137.2	147.6	131.4	131.4	144.9	125.3	125.3	141.6	118.7	118.7	137.5	111.8	111.8	131.0		
			SHC	107.8	127.7	147.6	105.3	125.1	144.9	102.4	122.0	141.6	98.6	118.1	137.5	92.7	111.8	131.0		
		72	THC	145.7	145.7	145.7	139.9	139.9	139.9	—	—	—	—	—	—	—	—	—		
			SHC	77.3	96.0	114.7	75.4	94.0	112.6	—	—	—	—	—	—	—	—	—		
		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*12D/524J*12 COMBINATION RATINGS — 60 Hz

				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	111.6	111.6	125.3	107.3	107.3	120.5	102.6	102.6	115.2	97.3	97.3	109.4	91.7	91.7	103.0	
			SHC	97.9	111.6	125.3	94.1	107.3	120.5	89.9	102.6	115.2	85.3	97.3	109.4	80.3	91.7	103.0	
		62	THC	115.9	115.9	119.8	110.5	110.5	117.1	104.8	104.8	114.2	98.3	98.3	110.7	92.4	92.4	106.2	
			SHC	88.6	104.2	119.8	86.0	101.5	117.1	83.2	98.7	114.2	79.9	95.3	110.7	76.2	91.2	106.2	
		67	THC	125.6	125.6	125.6	119.9	119.9	119.9	113.7	113.7	113.7	107.1	107.1	107.1	99.6	99.6	99.6	
			SHC	71.9	87.6	103.3	69.4	85.1	100.8	66.8	82.5	98.1	63.9	79.6	95.3	60.8	76.5	92.2	
	72	THC	135.6	135.6	135.6	129.6	129.6	129.6	123.1	123.1	123.1	116.1	116.1	116.1	108.4	108.4	108.4		
		SHC	55.0	70.8	86.6	52.6	68.4	84.2	50.1	65.9	81.7	47.4	63.2	79.0	44.5	60.3	76.1		
	76	THC	—	143.6	143.6	—	137.4	137.4	—	130.7	130.7	—	123.3	123.3	—	115.2	115.2		
		SHC	—	57.3	73.6	—	55.1	71.4	—	52.7	68.9	—	50.1	66.2	—	47.4	63.4		
	3500 Cfm	EA (wb)	58	THC	117.1	117.1	131.6	112.5	112.5	126.4	107.5	107.5	120.8	102.0	102.0	114.7	95.7	95.7	107.7
				SHC	102.6	117.1	131.6	98.6	112.5	126.4	94.2	107.5	120.8	89.4	102.0	114.7	83.8	95.7	107.7
62			THC	119.3	119.3	130.8	113.8	113.8	127.8	108.1	108.1	123.7	102.1	102.1	119.1	95.7	95.7	111.7	
			SHC	95.1	112.9	130.8	92.3	110.0	127.8	88.9	106.3	123.7	85.1	102.1	119.1	79.7	95.7	111.7	
67			THC	128.8	128.8	128.8	122.8	122.8	122.8	116.4	116.4	116.4	109.5	109.5	109.5	101.9	101.9	101.9	
			SHC	76.0	94.1	112.2	73.5	91.6	109.7	70.8	88.9	107.0	68.0	86.1	104.2	64.9	82.9	101.0	
72		THC	138.6	138.6	138.6	132.5	132.5	132.5	125.8	125.8	125.8	118.4	118.4	118.4	110.5	110.5	110.5		
		SHC	56.5	74.8	93.0	54.2	72.4	90.6	51.7	69.9	88.1	48.9	67.1	85.3	46.0	64.2	82.4		
76		THC	—	146.6	146.6	—	140.2	140.2	—	133.2	133.2	—	125.6	125.6	—	—	—		
		SHC	—	59.4	78.0	—	57.1	75.7	—	54.7	73.3	—	52.2	70.6	—	—	—		
4000 Cfm		EA (wb)	58	THC	121.6	121.6	136.6	116.7	116.7	131.2	111.4	111.4	125.3	105.7	105.7	118.9	99.2	99.2	111.7
				SHC	106.5	121.6	136.6	102.2	116.7	131.2	97.6	111.4	125.3	92.5	105.7	118.9	86.8	99.2	111.7
	62		THC	122.2	122.2	140.3	117.0	117.0	135.6	111.4	111.4	130.0	105.7	105.7	123.4	99.2	99.2	115.9	
			SHC	100.7	120.5	140.3	97.0	116.3	135.6	92.8	111.4	130.0	88.0	105.7	123.4	82.6	99.2	115.9	
	67		THC	131.1	131.1	131.1	125.0	125.0	125.0	118.5	118.5	118.5	111.4	111.4	112.6	103.7	103.7	109.4	
			SHC	79.9	100.4	120.8	77.4	97.8	118.3	74.7	95.1	115.6	71.8	92.2	112.6	68.7	89.0	109.4	
	72	THC	140.9	140.9	140.9	134.6	134.6	134.6	127.7	127.7	127.7	120.3	120.3	120.3	112.1	112.1	112.1		
		SHC	57.9	78.6	99.2	55.6	76.2	96.8	53.1	73.7	94.2	50.4	70.9	91.5	47.5	68.0	88.5		
	76	THC	—	148.8	148.8	—	142.3	142.3	—	135.2	135.2	—	—	—	—	—	—		
		SHC	—	61.3	82.2	—	59.1	80.0	—	56.7	77.5	—	—	—	—	—	—		
	4500 Cfm	EA (wb)	58	THC	125.3	125.3	140.9	120.2	120.2	135.3	114.8	114.8	129.1	108.8	108.8	122.4	102.4	102.4	115.2
				SHC	109.7	125.3	140.9	105.2	120.2	135.3	100.4	114.8	129.1	95.2	108.8	122.4	89.5	102.4	115.2
62			THC	125.3	125.3	146.2	120.2	120.2	140.3	114.7	114.7	134.0	108.8	108.8	127.1	102.4	102.4	119.6	
			SHC	104.4	125.3	146.2	100.1	120.2	140.3	95.5	114.7	134.0	90.5	108.8	127.1	85.1	102.4	119.6	
67			THC	133.0	133.0	133.0	126.8	126.8	126.8	120.1	120.1	123.8	112.9	112.9	120.7	105.1	105.1	117.3	
			SHC	83.6	106.4	129.2	81.1	103.8	126.6	78.3	101.0	123.8	75.4	98.0	120.7	72.2	94.8	117.3	
72		THC	142.8	142.8	142.8	136.3	136.3	136.3	129.3	129.3	129.3	121.7	121.7	121.7	113.3	113.3	113.3		
		SHC	59.3	82.2	105.1	57.0	79.9	102.8	54.4	77.3	100.2	51.7	74.6	97.5	48.8	71.6	94.5		
76		THC	—	150.5	150.5	—	143.9	143.9	—	—	—	—	—	—	—	—	—		
		SHC	—	63.1	86.4	—	60.9	84.1	—	—	—	—	—	—	—	—	—		
5000 Cfm		EA (wb)	58	THC	128.4	128.4	144.5	123.2	123.2	138.7	117.6	117.6	132.3	111.4	111.4	125.4	104.7	104.7	117.9
				SHC	112.4	128.4	144.5	107.8	123.2	138.7	102.8	117.6	132.3	97.4	111.4	125.4	91.5	104.7	117.9
	62		THC	128.4	128.4	149.9	123.2	123.2	143.9	117.5	117.5	137.3	111.4	111.4	130.2	104.7	104.7	122.4	
			SHC	106.9	128.4	149.9	102.5	123.2	143.9	97.8	117.5	137.3	92.6	111.4	130.2	87.0	104.7	122.4	
	67		THC	134.6	134.6	137.2	128.3	128.3	134.5	121.5	121.5	131.6	114.2	114.2	128.3	106.3	106.3	124.6	
			SHC	87.1	112.2	137.2	84.6	109.5	134.5	81.8	106.7	131.6	78.8	103.6	128.3	75.5	100.1	124.6	
	72	THC	144.2	144.2	144.2	137.7	137.7	137.7	130.6	130.6	130.6	122.8	122.8	122.8	114.4	114.4	114.4		
		SHC	60.6	85.8	111.0	58.3	83.5	108.6	55.8	80.9	106.1	53.0	78.2	103.3	50.1	75.2	100.3		
	76	THC	—	151.9	151.9	—	—	—	—	—	—	—	—	—	—	—	—		
		SHC	—	64.9	90.4	—	—	—	—	—	—	—	—	—	—	—	—		

LEGEND

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

569J*12D/524J*14 COMBINATION RATINGS — 60 Hz

				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	118.1	118.1	133.1	113.8	113.8	128.3	109.1	109.1	123.0	103.9	103.9	117.1	98.2	98.2	110.7	
			SHC	103.1	118.1	133.1	99.4	113.8	128.3	95.3	109.1	123.0	90.7	103.9	117.1	85.8	98.2	110.7	
		62	THC	120.1	120.1	133.8	115.0	115.0	130.9	109.5	109.5	127.1	104.1	104.1	121.7	98.3	98.3	115.0	
			SHC	96.2	115.0	133.8	93.6	112.3	130.9	90.5	108.8	127.1	86.4	104.1	121.7	81.7	98.3	115.0	
		67	THC	130.2	130.2	130.2	124.8	124.8	124.8	118.7	118.7	118.7	112.0	112.0	112.0	104.6	104.6	105.5	
			SHC	77.7	96.9	116.0	75.5	94.6	113.8	73.0	92.2	111.3	70.4	89.5	108.6	67.4	86.4	105.5	
	72	THC	140.9	140.9	140.9	135.4	135.4	135.4	129.2	129.2	129.2	122.3	122.3	122.3	114.6	114.6	114.6		
		SHC	58.0	77.3	96.6	56.0	75.3	94.5	53.7	73.0	92.2	51.2	70.4	89.7	48.4	67.6	86.8		
	76	THC	—	149.8	149.8	—	144.2	144.2	—	137.8	137.8	—	130.6	130.6	—	122.6	122.6		
		SHC	—	61.4	81.1	—	59.4	79.1	—	57.3	76.9	—	54.9	74.5	—	52.2	71.7		
	4300 Cfm	EA (wb)	58	THC	122.7	122.7	138.2	118.2	118.2	133.2	113.3	113.3	127.7	107.9	107.9	121.5	101.8	101.8	114.7
				SHC	107.1	122.7	138.2	103.3	118.2	133.2	98.9	113.3	127.7	94.1	107.9	121.5	88.9	101.8	114.7
62			THC	123.2	123.2	142.6	118.4	118.4	138.1	113.4	113.4	132.5	108.0	108.0	126.2	101.9	101.9	119.1	
			SHC	101.5	122.0	142.6	98.2	118.1	138.1	94.1	113.3	132.5	89.7	108.0	126.2	84.6	101.9	119.1	
67			THC	132.3	132.3	132.3	126.8	126.8	126.8	120.6	120.6	121.3	113.8	113.8	118.1	106.3	106.3	114.4	
			SHC	81.8	103.6	125.2	79.6	101.3	123.0	77.1	98.8	120.5	74.4	96.0	117.7	71.4	92.9	114.4	
72		THC	143.1	143.1	143.1	137.4	137.4	137.4	131.0	131.0	131.0	124.0	124.0	124.0	116.1	116.1	116.1		
		SHC	59.7	81.4	103.3	57.7	79.4	101.2	55.4	77.1	98.9	52.9	74.6	96.3	50.1	71.8	93.5		
76		THC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
		SHC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
5000 Cfm		EA (wb)	58	THC	127.4	127.4	143.6	122.8	122.8	138.4	117.7	117.7	132.6	111.9	111.9	126.1	105.5	105.5	118.9
				SHC	111.3	127.4	143.6	107.2	122.8	138.4	102.7	117.7	132.6	97.7	111.9	126.1	92.1	105.5	118.9
	62		THC	127.5	127.5	149.1	122.9	122.9	143.7	117.7	117.7	137.7	112.0	112.0	131.0	105.6	105.6	123.5	
			SHC	105.9	127.5	149.1	102.1	122.9	143.7	97.8	117.7	137.7	93.0	112.0	131.0	87.7	105.6	123.5	
	67		THC	134.4	134.4	136.4	128.9	128.9	134.1	122.6	122.6	131.4	115.7	115.7	128.4	108.0	108.0	124.8	
			SHC	86.9	111.7	136.4	84.7	109.4	134.1	82.2	106.8	131.4	79.3	103.8	128.4	76.2	100.5	124.8	
	72	THC	145.1	145.1	145.1	139.4	139.4	139.4	132.9	132.9	132.9	125.7	125.7	125.7	117.6	117.6	117.6		
		SHC	61.7	86.6	111.5	59.6	84.6	109.5	57.4	82.3	107.2	54.8	79.7	104.6	52.1	76.9	101.7		
	76	THC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
		SHC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	5700 Cfm	EA (wb)	58	THC	131.2	131.2	147.9	126.4	126.4	142.4	121.1	121.1	136.4	115.1	115.1	129.8	108.5	108.5	122.4
				SHC	114.5	131.2	147.9	110.3	126.4	142.4	105.7	121.1	136.4	100.5	115.1	129.8	94.8	108.5	122.4
62			THC	131.3	131.3	153.5	126.5	126.5	148.0	121.2	121.2	141.7	115.2	115.2	134.7	108.6	108.6	127.1	
			SHC	109.0	131.3	153.5	105.1	126.5	148.0	100.6	121.2	141.7	95.7	115.2	134.7	90.3	108.6	127.1	
67			THC	136.1	136.1	146.9	130.5	130.5	144.4	124.2	124.2	141.6	117.2	117.2	138.0	109.6	109.6	133.8	
			SHC	91.6	119.3	146.9	89.3	116.9	144.4	86.7	114.2	141.6	83.8	111.0	138.0	80.2	107.0	133.8	
72		THC	146.6	146.6	146.6	140.9	140.9	140.9	134.2	134.2	134.2	126.9	126.9	126.9	118.7	118.7	118.7		
		SHC	63.5	91.5	119.6	61.5	89.5	117.5	59.3	87.2	115.2	56.7	84.6	112.6	54.0	81.8	109.7		
76		THC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
		SHC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
6250 Cfm		EA (wb)	58	THC	133.5	133.5	150.5	128.7	128.7	145.0	123.3	123.3	138.9	117.2	117.2	132.1	110.5	110.5	124.5
				SHC	116.6	133.5	150.5	112.4	128.7	145.0	107.6	123.3	138.9	102.3	117.2	132.1	96.4	110.5	124.5
	62		THC	133.6	133.6	156.3	128.8	128.8	150.6	123.3	123.3	144.2	117.3	117.3	137.1	110.5	110.5	129.2	
			SHC	111.0	133.6	156.3	107.0	128.8	150.6	102.5	123.3	144.2	97.4	117.3	137.1	91.8	110.5	129.2	
	67		THC	137.1	137.1	154.6	131.5	131.5	151.9	125.1	125.1	148.6	118.2	118.2	144.5	110.8	110.8	138.2	
			SHC	95.1	124.8	154.6	92.7	122.3	151.9	89.9	119.3	148.6	86.7	115.6	144.5	82.4	110.3	138.2	
	72	THC	147.5	147.5	147.5	141.7	141.7	141.7	135.0	135.0	135.0	127.6	127.6	127.6	119.4	119.4	119.4		
		SHC	65.0	95.3	125.6	63.0	93.3	123.6	60.7	91.0	121.2	58.2	88.4	118.6	55.4	85.6	115.8		
	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*14A/524J*14 COMBINATION RATINGS — 60 Hz

				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	138.4	138.4	152.4	133.2	133.2	147.0	127.6	127.6	141.2	121.6	121.6	135.0	113.3	113.3	126.5		
			SHC	124.5	138.4	152.4	119.4	133.2	147.0	114.0	127.6	141.2	108.2	121.6	135.0	100.2	113.3	126.5		
		62	THC	144.5	144.5	144.5	137.9	137.9	138.9	131.0	131.0	135.4	123.7	123.7	131.6	—	—	—		
			SHC	114.9	128.6	142.3	111.8	125.4	138.9	108.6	122.0	135.4	105.0	118.3	131.6	—	—	—		
		67	THC	156.4	156.4	156.4	149.4	149.4	149.4	141.9	141.9	141.9	134.0	134.0	134.0	125.3	125.3	125.3		
			SHC	95.6	108.7	121.7	92.7	105.7	118.6	89.7	102.5	115.3	86.5	99.2	111.9	83.1	95.7	108.2		
		72	THC	168.6	168.6	168.6	161.2	161.2	161.2	153.4	153.4	153.4	144.8	144.8	144.8	135.6	135.6	135.6		
			SHC	75.7	88.1	100.4	73.0	85.2	97.5	70.1	82.2	94.3	67.0	79.0	91.0	63.8	75.6	87.4		
		76	THC	—	178.5	178.5	—	170.8	170.8	—	162.6	162.6	—	153.6	153.6	—	—	—		
			SHC	—	71.4	83.2	—	68.7	80.3	—	65.8	77.3	—	62.7	74.0	—	—	—		
		4375 Cfm	EA (wb)	58	THC	145.4	145.4	161.2	139.7	139.7	155.4	133.7	133.7	149.2	127.3	127.3	142.6	121.3	121.3	136.3
					SHC	129.5	145.4	161.2	124.0	139.7	155.4	118.3	133.7	149.2	112.1	127.3	142.6	106.3	121.3	136.3
				62	THC	148.6	148.6	155.2	141.9	141.9	151.6	134.8	134.8	147.6	127.5	127.5	142.8	121.2	121.2	136.1
					SHC	123.8	139.5	155.2	120.5	136.0	151.6	116.8	132.2	147.6	112.3	127.5	142.8	106.1	121.1	136.1
67	THC			160.2	160.2	160.2	152.9	152.9	152.9	145.2	145.2	145.2	136.9	136.9	136.9	127.9	127.9	127.9		
	SHC			101.9	116.9	131.8	99.0	113.8	128.7	96.0	110.7	125.4	92.8	107.3	121.9	89.3	103.7	118.1		
72	THC			172.3	172.3	172.3	164.7	164.7	164.7	156.5	156.5	156.5	147.7	147.7	147.7	138.1	138.1	138.1		
	SHC			79.0	93.2	107.3	76.3	90.3	104.3	73.4	87.3	101.1	70.3	84.0	97.8	67.0	80.6	94.2		
76	THC			—	182.1	182.1	—	174.2	174.2	—	165.6	165.6	—	—	—	—	—	—		
	SHC			—	74.0	87.5	—	71.3	84.6	—	68.4	81.5	—	—	—	—	—	—		
5000 Cfm	EA (wb)			58	THC	151.0	151.0	168.8	145.0	145.0	162.6	138.7	138.7	156.0	131.9	131.9	149.0	124.6	124.6	141.4
					SHC	133.2	151.0	168.8	127.5	145.0	162.6	121.4	138.7	156.0	114.9	131.9	149.0	107.9	124.6	141.4
				62	THC	152.2	152.2	166.8	145.3	145.3	162.8	138.9	138.9	156.2	132.0	132.0	149.1	124.7	124.7	141.5
					SHC	131.5	149.1	166.8	127.8	145.3	162.8	121.5	138.9	156.2	115.0	132.0	149.1	107.9	124.7	141.5
		67	THC	163.1	163.1	163.1	155.6	155.6	155.6	147.6	147.6	147.6	139.1	139.1	139.1	130.1	130.1	130.1		
			SHC	107.9	124.8	141.6	105.0	121.7	138.5	101.9	118.5	135.1	98.6	115.1	131.5	95.1	111.4	127.7		
		72	THC	175.0	175.0	175.0	167.3	167.3	167.3	158.8	158.8	158.8	149.8	149.8	149.8	140.0	140.0	140.0		
			SHC	82.1	98.0	113.9	79.4	95.2	111.0	76.5	92.1	107.8	73.4	88.9	104.4	70.1	85.4	100.7		
		76	THC	—	184.8	184.8	—	176.6	176.6	—	167.9	167.9	—	—	—	—	—	—		
			SHC	—	76.5	91.6	—	73.8	88.8	—	70.8	85.7	—	—	—	—	—	—		
		5625 Cfm	EA (wb)	58	THC	155.6	155.6	175.2	149.4	149.4	168.8	142.8	142.8	161.9	135.7	135.7	154.5	127.9	127.9	146.4
					SHC	136.0	155.6	175.2	130.0	149.4	168.8	123.7	142.8	161.9	116.8	135.7	154.5	109.4	127.9	146.4
				62	THC	155.7	155.7	175.3	149.5	149.5	168.8	142.9	142.9	162.0	135.8	135.8	154.6	128.0	128.0	146.5
					SHC	136.1	155.7	175.3	130.1	149.5	168.8	123.8	142.9	162.0	117.0	135.8	154.6	109.5	128.0	146.5
67	THC			165.3	165.3	165.3	157.8	157.8	157.8	149.6	149.6	149.6	140.9	140.9	140.9	131.7	131.7	136.8		
	SHC			113.6	132.4	151.2	110.7	129.3	148.0	107.5	126.0	144.5	104.1	122.5	140.8	100.5	118.6	136.8		
72	THC			177.3	177.3	177.3	169.3	169.3	169.3	160.7	160.7	160.7	151.5	151.5	151.5	—	—	—		
	SHC			85.0	102.7	120.5	82.3	99.9	117.4	79.4	96.8	114.2	76.3	93.6	110.8	—	—	—		
76	THC			—	187.0	187.0	—	178.7	178.7	—	169.7	169.7	—	—	—	—	—	—		
	SHC			—	78.9	95.7	—	76.2	92.8	—	73.2	89.8	—	—	—	—	—	—		
6250 Cfm	EA (wb)			58	THC	159.5	159.5	180.9	153.1	153.1	174.3	146.2	146.2	167.1	138.9	138.9	159.5	131.0	131.0	151.2
					SHC	138.0	159.5	180.9	131.9	153.1	174.3	125.3	146.2	167.1	118.3	138.9	159.5	110.7	131.0	151.2
				62	THC	159.6	159.6	181.0	153.2	153.2	174.4	146.3	146.3	167.2	139.0	139.0	159.5	131.0	131.0	151.2
					SHC	138.2	159.6	181.0	132.0	153.2	174.4	125.5	146.3	167.2	118.4	139.0	159.5	110.7	131.0	151.2
		67	THC	167.2	167.2	167.2	159.5	159.5	159.5	151.2	151.2	153.5	142.5	142.5	149.6	133.1	133.1	145.3		
			SHC	119.0	139.7	160.4	116.0	136.6	157.1	112.8	133.1	153.5	109.2	129.4	149.6	105.3	125.3	145.3		
		72	THC	179.0	179.0	179.0	170.9	170.9	170.9	162.2	162.2	162.2	152.8	152.8	152.8	—	—	—		
			SHC	87.9	107.4	126.8	85.1	104.5	123.8	82.2	101.4	120.6	79.1	98.2	117.2	—	—	—		
		76	THC	—	188.7	188.7	—	180.2	180.2	—	—	—	—	—	—	—	—	—		
			SHC	—	81.3	99.8	—	78.5	96.9	—	—	—	—	—	—	—	—	—		

LEGEND

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

569J*14A/524J*16 COMBINATION RATINGS — 60 Hz

				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	149.9	149.9	166.0	144.0	144.0	160.0	137.7	137.7	153.4	130.8	130.8	146.3	122.9	122.9	138.1	
			SHC	133.8	149.9	166.0	128.1	144.0	160.0	122.0	137.7	153.4	115.3	130.8	146.3	107.8	122.9	138.1	
		62	THC	152.8	152.8	160.5	145.8	145.8	156.7	138.6	138.6	152.1	131.1	131.1	146.5	122.0	122.0	137.1	
			SHC	128.7	144.6	160.5	125.2	141.0	156.7	120.8	136.5	152.1	115.6	131.1	146.5	106.8	122.0	137.1	
		67	THC	164.6	164.6	164.6	157.1	157.1	157.1	149.0	149.0	149.0	140.3	140.3	140.3	—	—	—	
			SHC	105.8	120.9	136.1	102.8	117.8	132.9	99.7	114.5	129.5	96.2	111.0	125.8	—	—	—	
	72	THC	176.9	176.9	176.9	169.1	169.1	169.1	160.6	160.6	160.6	151.4	151.4	151.4	—	—	—		
		SHC	81.9	96.2	110.5	79.1	93.3	107.5	76.1	90.1	104.2	72.9	86.7	100.7	—	—	—		
	76	THC	—	187.1	187.1	—	179.0	179.0	—	169.7	169.7	—	—	—	—	—	—		
		SHC	—	76.2	89.7	—	73.4	86.9	—	69.9	82.9	—	—	—	—	—	—		
	5300 Cfm	EA (wb)	58	THC	156.6	156.6	175.0	150.4	150.4	168.6	143.7	143.7	161.7	136.4	136.4	154.1	124.7	124.7	141.2
				SHC	138.2	156.6	175.0	132.2	150.4	168.6	125.8	143.7	161.7	118.8	136.4	154.1	108.2	124.7	141.2
62			THC	157.6	157.6	173.5	150.7	150.7	168.8	143.8	143.8	161.7	136.5	136.5	154.2	125.1	125.1	141.6	
			SHC	136.9	155.2	173.5	132.5	150.7	168.8	125.9	143.8	161.7	118.9	136.5	154.2	108.6	125.1	141.6	
67			THC	167.9	167.9	167.9	160.2	160.2	160.2	151.8	151.8	152.2	142.9	142.9	144.4	—	—	—	
			SHC	113.4	131.0	148.5	110.5	127.9	145.3	107.3	124.5	141.7	103.8	120.9	138.0	—	—	—	
72		THC	180.2	180.2	180.2	172.1	172.1	172.1	163.4	163.4	163.4	153.9	153.9	153.9	—	—	—		
		SHC	85.9	102.4	118.8	83.1	99.5	115.8	80.1	96.3	112.5	76.9	92.9	109.0	—	—	—		
76		THC	—	189.4	189.4	—	181.2	181.2	—	—	—	—	—	—	—	—	—		
		SHC	—	78.2	93.1	—	75.5	90.3	—	—	—	—	—	—	—	—	—		
6000 Cfm		EA (wb)	58	THC	161.3	161.3	181.5	154.9	154.9	174.9	147.8	147.8	167.6	140.3	140.3	159.7	—	—	—
				SHC	141.1	161.3	181.5	134.9	154.9	174.9	128.1	147.8	167.6	120.9	140.3	159.7	—	—	—
	62		THC	161.7	161.7	181.1	155.0	155.0	175.0	148.0	148.0	167.7	140.4	140.4	159.8	—	—	—	
			SHC	140.7	160.9	181.1	135.0	155.0	175.0	128.2	148.0	167.7	121.0	140.4	159.8	—	—	—	
	67		THC	170.1	170.1	170.1	162.3	162.3	162.3	153.8	153.8	155.1	144.7	144.7	149.9	—	—	—	
			SHC	119.6	139.1	158.6	116.6	136.0	155.3	113.3	132.5	151.6	109.7	128.7	147.7	—	—	—	
	72	THC	182.3	182.3	182.3	174.1	174.1	174.1	165.2	165.2	165.2	155.4	155.4	155.4	—	—	—		
		SHC	89.1	107.4	125.7	86.3	104.5	122.7	83.3	101.3	119.4	80.1	97.9	115.8	—	—	—		
	76	THC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
		SHC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	6800 Cfm	EA (wb)	58	THC	166.2	166.2	188.7	159.5	159.5	181.8	152.2	152.2	174.2	144.3	144.3	165.9	—	—	—
				SHC	143.6	166.2	188.7	137.2	159.5	181.8	130.2	152.2	174.2	122.6	144.3	165.9	—	—	—
62			THC	166.3	166.3	188.8	159.6	159.6	181.9	152.3	152.3	174.3	144.4	144.4	166.0	—	—	—	
			SHC	143.8	166.3	188.8	137.4	159.6	181.9	130.3	152.3	174.3	122.7	144.4	166.0	—	—	—	
67			THC	172.4	172.4	175.3	164.5	164.5	169.2	155.9	155.9	163.4	146.7	146.7	159.1	—	—	—	
			SHC	126.9	148.8	170.7	123.8	145.5	167.3	120.3	141.9	163.4	116.3	137.6	159.1	—	—	—	
72		THC	184.4	184.4	184.4	176.1	176.1	176.1	167.0	167.0	167.0	157.1	157.1	157.1	—	—	—		
		SHC	93.0	113.5	134.1	90.2	110.6	131.1	87.2	107.5	127.8	84.0	104.1	124.2	—	—	—		
76		THC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
		SHC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
7500 Cfm		EA (wb)	58	THC	170.1	170.1	194.7	163.2	163.2	187.6	155.7	155.7	179.7	147.5	147.5	171.2	—	—	—
				SHC	145.4	170.1	194.7	138.8	163.2	187.6	131.6	155.7	179.7	123.8	147.5	171.2	—	—	—
	62		THC	170.2	170.2	194.8	163.3	163.3	187.7	155.8	155.8	179.8	147.6	147.6	171.3	—	—	—	
			SHC	145.6	170.2	194.8	139.0	163.3	187.7	131.7	155.8	179.8	123.9	147.6	171.3	—	—	—	
	67		THC	174.3	174.3	181.8	166.3	166.3	178.1	157.7	157.7	174.0	148.4	148.4	169.1	—	—	—	
			SHC	133.4	157.6	181.8	130.1	154.1	178.1	126.4	150.2	174.0	122.0	145.5	169.1	—	—	—	
	72	THC	186.0	186.0	186.0	177.6	177.6	177.6	168.4	168.4	168.4	158.4	158.4	158.4	—	—	—		
		SHC	96.5	119.2	141.9	93.8	116.3	138.9	90.8	113.2	135.6	87.6	109.8	132.0	—	—	—		
	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*14D/524J*14 COMBINATION RATINGS — 60 Hz

				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	137.2	137.2	152.7	132.4	132.4	147.9	127.1	127.1	142.6	121.2	121.2	136.7	114.7	114.7	130.2		
			SHC	121.7	137.2	152.7	117.0	132.4	147.9	111.6	127.1	142.6	105.8	121.2	136.7	99.3	114.7	130.2		
		62	THC	143.2	143.2	143.2	137.3	137.3	140.1	130.6	130.6	136.8	123.3	123.3	133.1	115.5	115.5	128.8		
			SHC	112.0	127.5	142.9	109.1	124.6	140.1	105.9	121.3	136.8	102.2	117.7	133.1	97.9	113.3	128.8		
		67	THC	154.9	154.9	154.9	148.6	148.6	148.6	141.6	141.6	141.6	133.9	133.9	133.9	125.4	125.4	125.4		
			SHC	91.1	106.5	122.0	88.4	103.9	119.4	85.5	101.0	116.5	82.3	97.8	113.3	78.9	94.3	109.8		
		72	THC	166.4	166.4	166.4	160.0	160.0	160.0	152.9	152.9	152.9	144.8	144.8	144.8	135.8	135.8	135.8		
			SHC	69.8	85.3	100.7	67.4	82.9	98.4	64.8	80.3	95.7	61.8	77.3	92.8	58.6	74.0	89.5		
		76	THC	—	175.4	175.4	—	169.0	169.0	—	161.5	161.5	—	153.2	153.2	—	—	—		
			SHC	—	67.2	82.7	—	65.5	81.0	—	63.3	78.8	—	60.7	76.2	—	—	—		
		4375 Cfm	EA (wb)	58	THC	143.6	143.6	161.7	138.6	138.6	156.7	133.0	133.0	151.0	126.7	126.7	144.8	119.9	119.9	137.9
					SHC	125.6	143.6	161.7	120.6	138.6	156.7	114.9	133.0	151.0	108.7	126.7	144.8	101.8	119.9	137.9
				62	THC	147.0	147.0	155.9	140.8	140.8	152.8	134.1	134.1	149.0	127.7	127.7	141.1	120.7	120.7	134.7
					SHC	119.8	137.9	155.9	116.7	134.7	152.8	112.9	130.9	149.0	105.0	123.1	141.1	98.6	116.6	134.7
67	THC			158.8	158.8	158.8	152.3	152.3	152.3	145.0	145.0	145.0	137.0	137.0	137.0	128.1	128.1	128.1		
	SHC			96.4	114.4	132.5	93.7	111.8	129.8	90.8	108.9	126.9	87.6	105.6	123.7	84.1	102.1	120.2		
72	THC			170.6	170.6	170.6	163.9	163.9	163.9	156.3	156.3	156.3	147.8	147.8	147.8	138.6	138.6	138.6		
	SHC			72.3	90.3	108.4	69.8	87.9	105.9	67.1	85.1	103.2	64.1	82.1	100.2	60.8	78.8	96.9		
76	THC			—	179.7	179.7	—	172.7	172.7	—	165.0	165.0	—	—	—	—	—	—		
	SHC			—	70.7	88.7	—	68.5	86.6	—	66.1	84.1	—	—	—	—	—	—		
5000 Cfm	EA (wb)			58	THC	148.9	148.9	169.6	143.7	143.7	164.3	137.8	137.8	158.4	131.3	131.3	151.9	124.0	124.0	144.7
					SHC	128.3	148.9	169.6	123.1	143.7	164.3	117.2	137.8	158.4	110.6	131.3	151.9	103.4	124.0	144.7
				62	THC	149.9	149.9	167.0	144.2	144.2	160.8	138.6	138.6	154.4	131.8	131.8	149.5	124.0	124.0	144.7
					SHC	125.8	146.4	167.0	119.6	140.2	160.8	113.1	133.8	154.4	108.3	128.9	149.5	103.4	124.0	144.7
		67	THC	161.8	161.8	161.8	155.1	155.1	155.1	147.6	147.6	147.6	139.3	139.3	139.3	130.2	130.2	130.2		
			SHC	101.4	122.0	142.6	98.7	119.3	139.9	95.7	116.3	137.0	92.4	113.0	133.7	88.8	109.5	130.1		
		72	THC	173.7	173.7	173.7	166.7	166.7	166.7	158.9	158.9	158.9	150.2	150.2	150.2	140.7	140.7	140.7		
			SHC	74.4	95.0	115.7	71.9	92.5	113.2	69.2	89.8	110.4	66.1	86.7	107.4	62.8	83.4	104.1		
		76	THC	—	183.0	183.0	—	175.8	175.8	—	—	—	—	—	—	—	—	—		
			SHC	—	73.4	94.1	—	71.2	91.8	—	—	—	—	—	—	—	—	—		
		5625 Cfm	EA (wb)	58	THC	153.5	153.5	176.7	148.0	148.0	171.2	141.9	141.9	165.1	135.1	135.1	158.3	127.5	127.5	150.8
					SHC	130.2	153.5	176.7	124.8	148.0	171.2	118.7	141.9	165.1	111.9	135.1	158.3	104.3	127.5	150.8
				62	THC	153.9	153.9	171.9	148.3	148.3	168.2	141.9	141.9	165.0	135.1	135.1	158.3	127.5	127.5	150.7
					SHC	125.5	148.7	171.9	121.8	145.0	168.2	118.6	141.8	165.0	111.9	135.1	158.3	104.3	127.5	150.7
67	THC			164.1	164.1	164.1	157.3	157.3	157.3	149.7	149.7	149.7	141.2	141.2	143.4	131.9	131.9	139.7		
	SHC			106.0	129.2	152.4	103.3	126.5	149.7	100.3	123.5	146.7	97.0	120.2	143.4	93.3	116.5	139.7		
72	THC			176.2	176.2	176.2	169.0	169.0	169.0	161.0	161.0	161.0	152.1	152.1	152.1	142.4	142.4	142.4		
	SHC			76.4	99.6	122.8	73.8	97.1	120.3	71.1	94.3	117.5	68.0	91.2	114.4	64.7	87.9	111.1		
76	THC			—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	SHC			—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
6250 Cfm	EA (wb)			58	THC	157.3	157.3	183.1	151.7	151.7	177.5	145.4	145.4	171.2	138.3	138.3	164.1	130.5	130.5	156.3
					SHC	131.6	157.3	183.1	125.9	151.7	177.5	119.6	145.4	171.2	112.5	138.3	164.1	104.7	130.5	156.3
				62	THC	157.3	157.3	183.1	151.7	151.7	177.5	145.4	145.4	171.1	138.3	138.3	164.1	130.5	130.5	156.3
					SHC	131.6	157.3	183.1	125.9	151.7	177.5	119.6	145.4	171.1	112.5	138.3	164.1	104.7	130.5	156.3
		67	THC	166.1	166.1	166.1	159.2	159.2	159.3	151.3	151.3	156.2	142.7	142.7	152.8	133.2	133.2	149.0		
			SHC	110.5	136.3	162.0	107.8	133.5	159.3	104.7	130.5	156.2	101.3	127.0	152.8	97.4	123.2	149.0		
		72	THC	178.3	178.3	178.3	170.9	170.9	170.9	162.7	162.7	162.7	153.7	153.7	153.7	143.8	143.8	143.8		
			SHC	78.1	103.9	129.7	75.6	101.4	127.2	72.8	98.6	124.4	69.8	95.5	121.3	66.4	92.2	118.0		
		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

569J*14D/524J*16 COMBINATION RATINGS — 60 Hz

				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	145.6	145.6	164.1	140.4	140.4	158.2	134.6	134.6	151.7	128.4	128.4	144.6	121.6	121.6	137.0	
			SHC	127.1	145.6	164.1	122.5	140.4	158.2	117.5	134.6	151.7	112.1	128.4	144.6	106.2	121.6	137.0	
		62	THC	149.1	149.1	162.7	142.7	142.7	159.2	135.8	135.8	155.2	128.8	128.8	149.6	121.7	121.7	142.3	
			SHC	117.6	140.1	162.7	114.5	136.8	159.2	110.9	133.1	155.2	106.4	128.0	149.6	101.1	121.7	142.3	
		67	THC	161.2	161.2	161.2	154.4	154.4	154.4	147.0	147.0	147.0	138.8	138.8	138.8	130.1	130.1	130.1	
			SHC	94.6	117.4	140.3	91.8	114.6	137.5	88.8	111.6	134.5	85.6	108.4	131.2	82.1	104.9	127.7	
	72	THC	174.0	174.0	174.0	167.0	167.0	167.0	159.1	159.1	159.1	150.6	150.6	150.6	141.2	141.2	141.2		
		SHC	70.0	93.0	116.1	67.4	90.4	113.4	64.6	87.6	110.6	61.6	84.5	107.5	58.3	81.2	104.1		
	76	THC	—	184.6	184.6	—	177.3	177.3	—	169.1	169.1	—	160.1	160.1	—	150.3	150.3		
		SHC	—	72.9	96.6	—	70.5	94.0	—	67.7	91.2	—	64.8	88.2	—	61.6	85.0		
	5300 Cfm	EA (wb)	58	THC	152.7	152.7	172.0	147.0	147.0	165.7	140.9	140.9	158.8	134.3	134.3	151.3	127.0	127.0	143.1
				SHC	133.2	152.7	172.0	128.4	147.0	165.7	123.1	140.9	158.8	117.3	134.3	151.3	110.8	127.0	143.1
62			THC	153.6	153.6	176.8	147.4	147.4	171.5	141.0	141.0	165.0	134.4	134.4	157.2	127.1	127.1	148.6	
			SHC	126.2	151.5	176.8	122.0	146.8	171.5	117.2	141.0	165.0	111.6	134.4	157.2	105.6	127.1	148.6	
67			THC	164.9	164.9	164.9	157.8	157.8	157.9	150.2	150.2	150.6	141.7	141.7	144.5	132.6	132.6	140.7	
			SHC	100.8	127.3	153.7	98.0	124.5	150.9	95.0	121.4	147.8	91.7	118.1	144.5	88.1	114.4	140.7	
72		THC	177.6	177.6	177.6	170.3	170.3	170.3	162.2	162.2	162.2	153.3	153.3	153.3	143.7	143.7	143.7		
		SHC	72.4	99.1	125.7	69.9	96.5	123.1	67.0	93.7	120.2	64.0	90.6	117.1	60.6	87.2	113.7		
76		THC	—	188.2	188.2	—	180.6	180.6	—	172.1	172.1	—	162.9	162.9	—	152.8	152.8		
		SHC	—	76.0	103.2	—	73.5	100.6	—	70.8	97.9	—	67.9	94.9	—	64.7	91.6		
6000 Cfm		EA (wb)	58	THC	157.7	157.7	177.7	151.8	151.8	171.1	145.5	145.5	163.9	138.5	138.5	156.1	130.9	130.9	147.5
				SHC	137.6	157.7	177.7	132.6	151.8	171.1	127.0	145.5	163.9	120.9	138.5	156.1	114.3	130.9	147.5
	62		THC	157.8	157.8	184.5	152.0	152.0	177.7	145.6	145.6	170.2	138.6	138.6	162.1	131.0	131.0	153.2	
			SHC	131.1	157.8	184.5	126.2	152.0	177.7	120.9	145.6	170.2	115.1	138.6	162.1	108.8	131.0	153.2	
	67		THC	167.2	167.2	167.2	160.1	160.1	162.1	152.3	152.3	158.9	143.7	143.7	155.3	134.6	134.6	151.3	
			SHC	105.9	135.5	165.0	103.1	132.6	162.1	100.0	129.5	158.9	96.7	126.0	155.3	93.0	122.1	151.3	
	72	THC	180.0	180.0	180.0	172.6	172.6	172.6	164.3	164.3	164.3	155.3	155.3	155.3	145.4	145.4	145.4		
		SHC	74.5	104.3	134.0	72.0	101.6	131.3	69.1	98.8	128.4	66.1	95.7	125.3	62.7	92.3	121.9		
	76	THC	—	190.6	190.6	—	182.8	182.8	—	174.2	174.2	—	164.8	164.8	—	154.6	154.6		
		SHC	—	78.6	108.9	—	76.1	106.3	—	73.4	103.5	—	70.5	100.5	—	67.3	97.3		
	6800 Cfm	EA (wb)	58	THC	162.2	162.2	182.9	156.2	156.2	176.1	149.6	149.6	168.6	142.4	142.4	160.4	134.5	134.5	151.5
				SHC	141.7	162.2	182.9	136.4	156.2	176.1	130.7	149.6	168.6	124.3	142.4	160.4	117.4	134.5	151.5
62			THC	162.4	162.4	190.0	156.3	156.3	182.9	149.7	149.7	175.1	142.5	142.5	166.6	134.6	134.6	157.3	
			SHC	134.9	162.4	190.0	129.9	156.3	182.9	124.4	149.7	175.1	118.4	142.5	166.6	111.8	134.6	157.3	
67			THC	169.5	169.5	177.2	162.2	162.2	174.2	154.3	154.3	170.7	145.7	145.7	166.7	136.4	136.4	162.1	
			SHC	111.5	144.4	177.2	108.6	141.4	174.2	105.5	138.1	170.7	101.9	134.4	166.7	98.1	130.0	162.1	
72		THC	182.2	182.2	182.2	174.6	174.6	174.6	166.2	166.2	166.2	157.0	157.0	157.0	146.9	146.9	146.9		
		SHC	76.8	109.9	143.1	74.2	107.3	140.5	71.4	104.4	137.6	68.3	101.3	134.5	65.0	97.9	131.0		
76		THC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
		SHC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
7500 Cfm		EA (wb)	58	THC	165.7	165.7	186.8	159.6	159.6	179.8	152.7	152.7	172.1	145.2	145.2	163.7	137.1	137.1	154.5
				SHC	144.7	165.7	186.8	139.3	159.6	179.8	133.4	152.7	172.1	126.8	145.2	163.7	119.7	137.1	154.5
	62		THC	165.9	165.9	193.9	159.6	159.6	186.7	152.8	152.8	178.7	145.3	145.3	169.9	137.2	137.2	160.4	
			SHC	137.8	165.9	193.9	132.6	159.6	186.7	126.9	152.8	178.7	120.7	145.3	169.9	113.9	137.2	160.4	
	67		THC	171.2	171.2	187.4	163.9	163.9	184.1	155.9	155.9	180.3	147.2	147.2	175.8	137.9	137.9	170.1	
			SHC	116.2	151.8	187.4	113.2	148.7	184.1	109.9	145.1	180.3	106.2	141.0	175.8	101.8	135.9	170.1	
	72	THC	183.8	183.8	183.8	176.0	176.0	176.0	167.5	167.5	167.5	158.2	158.2	158.2	148.0	148.0	148.0		
		SHC	78.7	114.8	150.9	76.1	112.2	148.3	73.3	109.3	145.4	70.2	106.2	142.2	66.9	102.8	138.7		
	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*16A/524J*16 COMBINATION RATINGS — 60 Hz

				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	169.9	169.9	190.5	164.1	164.1	184.2	157.5	157.5	176.8	151.4	151.4	170.0	—	—	—		
			SHC	148.9	169.7	190.5	143.9	164.1	184.2	138.1	157.5	176.8	132.7	151.4	170.0	—	—	—		
		62	THC	178.8	178.8	178.8	171.5	171.5	174.3	163.3	163.3	170.5	155.3	155.3	166.3	146.7	146.7	161.9		
			SHC	133.1	155.4	177.8	129.5	151.9	174.3	125.7	148.1	170.5	121.7	144.0	166.3	117.4	139.7	161.9		
		67	THC	193.8	193.8	193.8	186.0	186.0	186.0	177.5	177.5	177.5	168.6	168.6	168.6	—	—	—		
			SHC	108.6	130.7	152.8	105.2	127.4	149.5	101.6	123.8	146.0	97.8	120.1	142.4	—	—	—		
		72	THC	210.1	210.1	210.1	201.7	201.7	201.7	192.6	192.6	192.6	182.7	182.7	182.7	—	—	—		
			SHC	85.0	106.1	127.1	81.6	103.0	124.3	77.9	99.5	121.1	74.0	95.9	117.7	—	—	—		
		76	THC	—	223.4	223.4	—	215.0	215.0	—	205.5	205.5	—	194.8	194.8	—	—	—		
			SHC	—	86.6	111.3	—	82.8	107.5	—	79.6	104.3	—	76.5	101.3	—	—	—		
		5250 cfm	EA (wb)	58	THC	178.2	178.2	200.2	172.0	172.0	193.3	164.8	164.8	185.2	158.4	158.4	178.0	150.6	150.6	169.3
					SHC	156.3	178.2	200.2	150.8	172.0	193.3	144.4	164.8	185.2	138.7	158.4	178.0	131.9	150.6	169.3
				62	THC	184.0	184.0	193.8	176.0	176.0	189.8	167.6	167.6	185.5	159.7	159.7	180.7	151.0	151.0	174.3
					SHC	142.4	168.1	193.8	138.5	164.1	189.8	134.4	160.0	185.5	130.1	155.4	180.7	124.8	149.6	174.3
67	THC			199.0	199.0	199.0	190.8	190.8	190.8	181.6	181.6	181.6	172.6	172.6	172.6	—	—	—		
	SHC			114.5	140.0	165.6	111.0	136.6	162.2	107.2	132.9	158.6	103.5	129.2	154.9	—	—	—		
72	THC			215.3	215.3	215.3	206.5	206.5	206.5	196.9	196.9	196.9	186.7	186.7	186.7	—	—	—		
	SHC			87.1	111.9	136.7	83.7	108.7	133.7	80.0	105.2	130.3	76.2	101.4	126.7	—	—	—		
76	THC			—	229.0	229.0	—	219.8	219.8	—	209.6	209.6	—	198.7	198.7	—	—	—		
	SHC			—	89.0	117.8	—	86.3	115.2	—	83.2	105.2	—	79.7	103.1	—	—	—		
6000 cfm	EA (wb)			58	THC	185.2	185.2	208.1	178.7	178.7	200.8	170.9	170.9	192.2	164.2	164.2	184.6	156.1	156.1	175.6
					SHC	162.2	185.2	208.1	156.5	178.7	200.8	149.6	170.9	192.2	143.7	164.2	184.6	136.6	156.1	175.6
				62	THC	188.1	188.1	208.1	180.3	180.3	203.5	172.4	172.4	196.5	164.5	164.5	189.5	156.3	156.3	181.6
					SHC	150.7	179.4	208.1	146.6	175.1	203.5	141.1	168.8	196.5	135.6	162.5	189.5	129.7	155.6	181.6
		67	THC	203.1	203.1	203.1	194.6	194.6	194.6	185.6	185.6	185.6	175.8	175.8	175.8	—	—	—		
			SHC	120.0	148.9	177.8	116.6	145.5	174.4	112.8	141.8	170.8	108.9	137.9	166.9	—	—	—		
		72	THC	219.3	219.3	219.3	210.2	210.2	210.2	200.2	200.2	200.2	189.8	189.8	189.8	—	—	—		
			SHC	89.2	117.4	145.7	85.8	114.2	142.6	82.0	110.6	139.1	78.2	106.8	135.5	—	—	—		
		76	THC	—	232.9	232.9	—	223.4	223.4	—	213.1	213.1	—	201.9	201.9	—	—	—		
			SHC	—	92.4	116.9	—	89.4	115.2	—	86.2	112.9	—	82.6	110.0	—	—	—		
		6750 cfm	EA (wb)	58	THC	191.0	191.0	214.8	184.2	184.2	207.2	176.6	176.6	198.6	169.0	169.0	190.1	160.6	160.6	180.7
					SHC	167.3	191.0	214.8	161.2	184.2	207.2	154.5	176.6	198.6	147.8	169.0	190.1	140.5	160.6	180.7
				62	THC	192.1	192.1	219.7	184.5	184.5	212.5	177.8	177.8	202.9	168.9	168.9	197.3	160.6	160.6	187.6
					SHC	157.7	188.7	219.7	152.1	182.3	212.5	145.5	174.2	202.9	140.6	168.9	197.3	133.6	160.6	187.6
67	THC			206.4	206.4	206.4	197.7	197.7	197.7	188.2	188.2	188.2	178.4	178.4	178.5	—	—	—		
	SHC			125.4	157.5	189.7	121.8	154.0	186.2	118.0	150.2	182.5	114.1	146.3	178.5	—	—	—		
72	THC			222.5	222.5	222.5	213.1	213.1	213.1	203.1	203.1	203.1	192.4	192.4	192.4	—	—	—		
	SHC			91.1	122.7	154.3	87.7	119.4	151.1	84.0	115.8	147.5	80.2	112.1	144.0	—	—	—		
76	THC			—	236.1	236.1	—	226.5	226.5	—	215.9	215.9	—	204.4	204.4	—	—	—		
	SHC			—	95.3	124.6	—	92.3	122.2	—	89.0	119.5	—	85.4	116.3	—	—	—		
7500 cfm	EA (wb)			58	THC	196.0	196.0	220.5	189.0	189.0	212.6	181.2	181.2	204.0	173.1	173.1	194.8	—	—	—
					SHC	171.5	196.0	220.5	165.3	189.0	212.6	158.5	181.2	204.0	151.4	173.1	194.8	—	—	—
				62	THC	196.1	196.1	228.2	189.0	189.0	220.6	182.3	182.3	207.2	173.1	173.1	202.2	—	—	—
					SHC	162.9	195.5	228.2	157.3	189.0	220.6	148.6	177.9	207.2	144.0	173.1	202.2	—	—	—
		67	THC	209.1	209.1	209.1	200.2	200.2	200.2	190.5	190.5	193.8	180.5	180.5	189.7	—	—	—		
			SHC	130.5	165.8	201.1	126.9	162.2	197.6	123.1	158.4	193.8	119.1	154.4	189.7	—	—	—		
		72	THC	225.2	225.2	225.2	215.6	215.6	215.6	205.4	205.4	205.4	194.4	194.4	194.4	—	—	—		
			SHC	93.0	127.9	162.7	89.6	124.5	159.4	85.9	120.9	155.9	82.0	117.1	152.2	—	—	—		
		76	THC	—	238.9	238.9	—	229.0	229.0	—	218.1	218.1	—	206.4	206.4	—	—	—		
			SHC	—	98.1	131.2	—	95.0	128.6	—	91.6	125.6	—	88.0	122.3	—	—	—		

LEGEND

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

569J*16A/524J*25 COMBINATION RATINGS — 60 Hz

				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	188.1	188.1	211.9	181.9	181.9	205.0	175.2	175.2	197.4	167.8	167.8	189.1	159.7	159.7	180.0	
			SHC	164.2	188.1	211.9	158.8	181.9	205.0	153.0	175.2	197.4	146.5	167.8	189.1	139.4	159.7	180.0	
		62	THC	189.5	189.5	216.5	182.5	182.5	212.0	175.4	175.4	205.1	168.0	168.0	196.4	159.8	159.8	186.9	
			SHC	154.7	185.6	216.5	150.8	181.4	212.0	145.7	175.4	205.1	139.5	168.0	196.4	132.7	159.8	186.9	
		67	THC	203.3	203.3	203.3	195.6	195.6	195.6	187.2	187.2	187.2	177.9	177.9	177.9	167.8	167.8	172.0	
			SHC	123.2	154.9	186.5	120.1	151.7	183.3	116.7	148.3	179.9	113.0	144.6	176.1	109.0	140.5	172.0	
	72	THC	218.9	218.9	218.9	210.9	210.9	210.9	202.0	202.0	202.0	192.1	192.1	192.1	181.3	181.3	181.3		
		SHC	90.2	122.0	153.8	87.2	119.0	150.8	84.0	115.8	147.5	80.5	112.2	143.9	76.7	108.3	140.0		
	76	THC	—	232.4	232.4	—	224.0	224.0	—	214.7	214.7	—	—	—	—	—	—		
		SHC	—	95.8	128.2	—	92.9	125.2	—	89.8	122.0	—	—	—	—	—	—		
	7000 Cfm	EA (wb)	58	THC	195.8	195.8	220.6	189.4	189.4	213.4	182.3	182.3	205.4	174.5	174.5	196.6	165.8	165.8	186.9
				SHC	171.0	195.8	220.6	165.3	189.4	213.4	159.1	182.3	205.4	152.4	174.5	196.6	144.8	165.8	186.9
62			THC	196.0	196.0	229.2	189.5	189.5	221.6	182.4	182.4	213.3	174.6	174.6	204.2	166.0	166.0	194.1	
			SHC	162.8	196.0	229.2	157.4	189.5	221.6	151.5	182.4	213.3	145.1	174.6	204.2	137.9	166.0	194.1	
67			THC	207.2	207.2	207.2	199.2	199.2	201.0	190.5	190.5	197.4	181.1	181.1	193.5	170.7	170.7	189.2	
			SHC	131.3	167.8	204.3	128.1	164.6	201.0	124.6	161.0	197.4	120.9	157.2	193.5	116.8	153.0	189.2	
72		THC	222.7	222.7	222.7	214.4	214.4	214.4	205.4	205.4	205.4	195.2	195.2	195.2	184.1	184.1	184.1		
		SHC	93.3	130.0	166.6	90.3	127.0	163.6	87.1	123.7	160.3	83.6	120.1	156.7	79.7	116.2	152.7		
76		THC	—	236.5	236.5	—	—	—	—	—	—	—	—	—	—	—	—		
		SHC	—	100.0	137.1	—	—	—	—	—	—	—	—	—	—	—	—		
8000 Cfm		EA (wb)	58	THC	202.0	202.0	227.6	195.3	195.3	220.1	187.9	187.9	211.8	179.8	179.8	202.6	170.7	170.7	192.4
				SHC	176.4	202.0	227.6	170.5	195.3	220.1	164.1	187.9	211.8	157.0	179.8	202.6	149.1	170.7	192.4
	62		THC	202.1	202.1	236.4	195.4	195.4	228.5	188.0	188.0	219.9	179.9	179.9	210.4	170.8	170.8	199.8	
			SHC	167.9	202.1	236.4	162.3	195.4	228.5	156.2	188.0	219.9	149.4	179.9	210.4	141.9	170.8	199.8	
	67		THC	210.1	210.1	221.2	202.1	202.1	217.8	193.3	193.3	214.0	183.7	183.7	209.7	173.2	173.2	204.8	
			SHC	138.9	180.0	221.2	135.7	176.7	217.8	132.2	173.1	214.0	128.3	169.0	209.7	124.0	164.4	204.8	
	72	THC	225.7	225.7	225.7	217.3	217.3	217.3	207.9	207.9	207.9	197.6	197.6	197.6	186.2	186.2	186.2		
		SHC	96.3	137.7	179.1	93.4	134.7	176.1	90.1	131.4	172.8	86.6	127.8	169.1	82.7	123.9	165.1		
	76	THC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
		SHC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	9000 Cfm	EA (wb)	58	THC	207.1	207.1	233.4	200.2	200.2	225.6	192.6	192.6	217.0	184.1	184.1	207.4	174.8	174.8	196.9
				SHC	180.8	207.1	233.4	174.8	200.2	225.6	168.2	192.6	217.0	160.7	184.1	207.4	152.6	174.8	196.9
62			THC	207.2	207.2	242.3	200.3	200.3	234.2	192.7	192.7	225.3	184.2	184.2	215.4	174.9	174.9	204.5	
			SHC	172.1	207.2	242.3	166.4	200.3	234.2	160.1	192.7	225.3	153.0	184.2	215.4	145.3	174.9	204.5	
67			THC	212.6	212.6	237.2	204.5	204.5	233.5	195.6	195.6	229.3	186.0	186.0	224.4	175.5	175.5	217.9	
			SHC	146.2	191.7	237.2	142.9	188.2	233.5	139.2	184.3	229.3	135.1	179.7	224.4	130.1	174.0	217.9	
72		THC	228.0	228.0	228.0	219.4	219.4	219.4	209.9	209.9	209.9	199.5	199.5	199.5	187.9	187.9	187.9		
		SHC	99.2	145.3	191.4	96.3	142.3	188.3	93.0	139.0	184.9	89.5	135.4	181.2	85.6	131.4	177.2		
76		THC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
		SHC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
10000 Cfm		EA (wb)	58	THC	211.4	211.4	238.2	204.3	204.3	230.2	196.4	196.4	221.4	187.8	187.8	211.6	178.1	178.1	200.7
				SHC	184.6	211.4	238.2	178.4	204.3	230.2	171.5	196.4	221.4	164.0	187.8	211.6	155.5	178.1	200.7
	62		THC	211.5	211.5	247.3	204.4	204.4	239.0	196.6	196.6	229.8	187.9	187.9	219.7	178.2	178.2	208.3	
			SHC	175.7	211.5	247.3	169.8	204.4	239.0	163.3	196.6	229.8	156.1	187.9	219.7	148.0	178.2	208.3	
	67		THC	214.6	214.6	251.9	206.6	206.6	247.8	197.8	197.8	242.7	188.2	188.2	235.9	178.3	178.3	223.5	
			SHC	152.9	202.4	251.9	149.4	198.6	247.8	145.4	194.0	242.7	140.5	188.2	235.9	133.1	178.3	223.5	
	72	THC	229.9	229.9	229.9	221.2	221.2	221.2	211.6	211.6	211.6	201.0	201.0	201.0	—	—	—		
		SHC	102.1	152.7	203.3	99.1	149.7	200.2	95.9	146.4	196.9	92.3	142.7	193.1	—	—	—		
	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*16D/524J*16 COMBINATION RATINGS — 60 Hz

			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	168.2	168.2	185.7	161.9	161.9	181.8	156.0	156.0	175.2	149.4	149.4	167.8	143.0	143.0	160.7	
			SHC	145.7	165.7	185.7	142.0	161.9	181.8	136.7	156.0	175.2	130.9	149.4	167.8	125.3	143.0	160.7	
		62	THC	176.6	176.6	176.6	169.7	169.7	172.9	162.2	162.2	169.3	153.7	153.7	165.1	145.0	145.0	160.6	
			SHC	131.8	154.0	176.2	128.4	150.7	172.9	124.8	147.0	169.3	120.7	142.9	165.1	116.4	138.5	160.6	
		67	THC	192.7	192.7	192.7	185.3	185.3	185.3	177.2	177.2	177.2	168.0	168.0	168.0	158.8	158.8	158.8	
			SHC	108.2	130.1	151.9	104.9	126.9	148.9	101.5	123.5	145.5	97.6	119.7	141.8	93.7	115.9	138.1	
	72	THC	210.4	210.4	210.4	202.4	202.4	202.4	193.7	193.7	193.7	184.1	184.1	184.1	173.7	173.7	173.7		
		SHC	85.4	106.0	126.6	82.1	103.1	124.0	78.6	99.8	121.1	74.9	96.3	117.8	70.9	92.5	114.2		
	76	THC	—	224.8	224.8	—	216.8	216.8	—	207.7	207.7	—	197.7	197.7	—	186.5	186.5		
		SHC	—	86.9	111.7	—	83.2	107.9	—	80.0	104.8	—	77.2	102.0	—	73.8	96.1		
	5350 cfm	EA (wb)	58	THC	175.7	175.7	197.4	169.9	169.9	190.9	163.6	163.6	183.9	157.0	157.0	176.5	148.9	148.9	167.4
				SHC	154.0	175.7	197.4	148.9	169.9	190.9	143.3	163.6	183.9	137.5	157.0	176.5	130.3	148.9	167.4
62			THC	181.7	181.7	192.0	174.2	174.2	188.1	166.6	166.6	184.0	157.8	157.8	179.0	149.9	149.9	172.2	
			SHC	141.0	166.5	192.0	137.2	162.7	188.1	133.4	158.7	184.0	128.8	153.9	179.0	123.4	147.8	172.2	
67			THC	198.0	198.0	198.0	190.1	190.1	190.1	181.6	181.6	181.6	172.0	172.0	172.0	162.6	162.6	162.6	
			SHC	114.1	139.4	164.7	110.7	136.1	161.5	107.2	132.6	158.1	103.3	128.8	154.3	99.4	124.9	150.4	
72		THC	215.8	215.8	215.8	207.4	207.4	207.4	198.2	198.2	198.2	188.3	188.3	188.3	177.5	177.5	177.5		
		SHC	87.6	112.0	136.4	84.4	108.9	133.5	80.8	105.6	130.4	77.1	102.0	127.0	73.1	98.2	123.3		
76		THC	—	230.9	230.9	—	222.1	222.1	—	212.5	212.5	—	202.0	202.0	—	190.4	190.4		
		SHC	—	89.4	118.3	—	86.8	115.7	—	83.9	109.4	—	80.7	103.0	—	77.0	100.5		
6000 cfm		EA (wb)	58	THC	182.7	182.7	205.3	176.5	176.5	198.5	169.9	169.9	191.0	162.2	162.2	182.4	154.7	154.7	174.0
				SHC	160.0	182.7	205.3	154.6	176.5	198.5	148.7	169.9	191.0	142.0	162.2	182.4	135.3	154.7	174.0
	62		THC	185.8	185.8	205.9	178.6	178.6	200.2	170.8	170.8	195.6	163.3	163.3	186.9	155.9	155.9	177.2	
			SHC	149.1	177.5	205.9	144.4	172.3	200.2	140.3	167.9	195.6	134.0	160.5	186.9	127.2	152.2	177.2	
	67		THC	202.0	202.0	202.0	193.9	193.9	193.9	185.0	185.0	185.0	175.4	175.4	175.4	165.2	165.2	165.2	
			SHC	119.6	148.2	176.9	116.3	144.9	173.6	112.6	141.3	170.1	108.7	137.5	166.3	104.6	133.4	162.2	
	72	THC	219.9	219.9	219.9	211.2	211.2	211.2	201.7	201.7	201.7	191.8	191.8	191.8	180.4	180.4	180.4		
		SHC	89.8	117.6	145.4	86.5	114.5	142.5	82.9	111.1	139.2	79.2	107.3	135.4	75.1	103.6	132.0		
	76	THC	—	235.1	235.1	—	226.2	226.2	—	216.2	216.2	—	205.2	205.2	—	193.3	193.3		
		SHC	—	92.9	121.7	—	90.2	114.7	—	87.1	112.8	—	83.7	110.2	—	79.9	107.2		
	6750 cfm	EA (wb)	58	THC	188.5	188.5	212.0	182.1	182.1	204.8	175.1	175.1	197.0	167.0	167.0	187.9	159.2	159.2	179.2
				SHC	165.0	188.5	212.0	159.4	182.1	204.8	153.2	175.1	197.0	146.1	167.0	187.9	139.2	159.2	179.2
62			THC	189.7	189.7	216.7	183.3	183.3	208.6	176.4	176.4	200.6	168.7	168.7	191.6	159.2	159.2	185.9	
			SHC	155.5	186.1	216.7	149.8	179.2	208.6	144.0	172.3	200.6	137.5	164.6	191.6	132.4	159.2	185.9	
67			THC	205.3	205.3	205.3	196.8	196.8	196.8	187.8	187.8	187.8	178.1	178.1	178.1	167.5	167.5	173.4	
			SHC	124.9	156.7	188.6	121.5	153.3	185.2	117.8	149.7	181.6	113.9	145.7	177.6	109.6	141.5	173.4	
72		THC	223.3	223.3	223.3	214.3	214.3	214.3	204.6	204.6	204.6	194.2	194.2	194.2	182.6	182.6	182.6		
		SHC	91.8	122.9	154.0	88.5	119.7	151.0	84.9	116.3	147.7	81.2	112.7	144.2	77.1	108.7	140.3		
76		THC	—	238.8	238.8	—	229.4	229.4	—	219.1	219.1	—	207.9	207.9	—	195.4	195.4		
		SHC	—	96.1	124.2	—	93.2	122.1	—	90.0	119.6	—	86.5	116.7	—	82.6	113.3		
7500 cfm		EA (wb)	58	THC	193.5	193.5	217.7	186.9	186.9	210.2	179.6	179.6	202.1	171.5	171.5	193.1	163.1	163.1	183.6
				SHC	169.3	193.5	217.7	163.5	186.9	210.2	157.1	179.6	202.1	150.0	171.5	193.1	142.6	163.1	183.6
	62		THC	194.9	194.9	221.2	188.2	188.2	213.2	180.1	180.1	207.5	171.5	171.5	200.4	163.1	163.1	190.6	
			SHC	158.8	190.0	221.2	153.1	183.2	213.2	148.3	177.9	207.5	142.6	171.5	200.4	135.6	163.1	190.6	
	67		THC	207.9	207.9	207.9	199.3	199.3	199.3	190.0	190.0	192.6	180.1	180.1	188.7	169.2	169.2	184.2	
			SHC	129.9	164.9	199.8	126.4	161.4	196.4	122.7	157.7	192.6	118.7	153.7	188.7	114.4	149.3	184.2	
	72	THC	226.0	226.0	226.0	216.9	216.9	216.9	207.0	207.0	207.0	196.3	196.3	196.3	184.4	184.4	184.4		
		SHC	93.7	128.1	162.4	90.4	124.9	159.3	86.9	121.5	156.0	83.1	117.7	152.4	78.9	113.6	148.4		
	76	THC	—	241.7	241.7	—	232.1	232.1	—	221.6	221.6	—	210.1	210.1	—	197.2	197.2		
		SHC	—	98.9	131.0	—	96.0	128.6	—	92.7	125.9	—	89.2	122.7	—	85.2	119.2		

LEGEND

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

569J*16D/524J*25 COMBINATION RATINGS — 60 Hz

				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	189.5	189.5	213.0	182.9	182.9	205.6	175.8	175.8	197.7	168.1	168.1	189.0	159.8	159.8	179.8	
			SHC	166.0	189.5	213.0	160.2	182.9	205.6	154.0	175.8	197.7	147.1	168.1	189.0	139.9	159.8	179.8	
		62	THC	191.7	191.7	215.9	184.0	184.0	211.1	176.3	176.3	203.9	168.3	168.3	196.3	159.8	159.8	186.5	
			SHC	155.8	185.8	215.9	151.6	181.3	211.1	146.0	174.9	203.9	140.1	168.2	196.3	133.1	159.8	186.5	
		67	THC	207.6	207.6	207.6	199.1	199.1	199.1	189.8	189.8	189.8	180.1	180.1	180.1	169.2	169.2	170.3	
			SHC	124.8	155.7	186.5	121.3	152.1	182.9	117.4	148.2	179.0	113.5	144.3	175.1	108.9	139.6	170.3	
	72	THC	225.6	225.6	225.6	216.6	216.6	216.6	206.8	206.8	206.8	196.1	196.1	196.1	184.7	184.7	184.7		
		SHC	92.7	123.8	154.8	89.3	120.4	151.4	85.7	116.7	147.7	81.8	112.7	143.7	77.6	108.5	139.5		
	76	THC	—	240.7	240.7	—	231.2	231.2	—	220.8	220.8	—	209.6	209.6	—	—	—		
		SHC	—	98.4	130.4	—	95.2	127.1	—	91.6	123.4	—	87.8	119.4	—	—	—		
	7000 Cfm	EA (wb)	58	THC	197.6	197.6	222.2	190.6	190.6	214.3	183.0	183.0	205.9	174.8	174.8	196.7	165.9	165.9	186.6
				SHC	173.0	197.6	222.2	166.8	190.6	214.3	160.1	183.0	205.9	152.9	174.8	196.7	145.2	165.9	186.6
62			THC	197.6	197.6	230.6	190.6	190.6	222.5	183.0	183.0	213.6	174.8	174.8	204.1	165.8	165.8	193.7	
			SHC	164.6	197.6	230.6	158.8	190.6	222.5	152.3	183.0	213.6	145.5	174.8	204.1	138.0	165.8	193.7	
67			THC	211.7	211.7	211.7	202.9	202.9	202.9	193.4	193.4	195.5	183.1	183.1	191.2	172.1	172.1	186.3	
			SHC	132.4	167.8	203.3	128.7	164.1	199.6	124.8	160.2	195.5	120.6	155.9	191.2	116.0	151.2	186.3	
72		THC	229.8	229.8	229.8	220.5	220.5	220.5	210.3	210.3	210.3	199.3	199.3	199.3	187.6	187.6	187.6		
		SHC	95.6	131.3	167.0	92.2	127.9	163.6	88.5	124.2	159.8	84.6	120.1	155.7	80.4	115.8	151.3		
76		THC	—	245.1	245.1	—	235.3	235.3	—	224.5	224.5	—	—	—	—	—	—		
		SHC	—	102.4	138.9	—	99.1	135.5	—	95.5	131.8	—	—	—	—	—	—		
8000 Cfm		EA (wb)	58	THC	204.0	204.0	229.5	196.7	196.7	221.4	188.8	188.8	212.5	180.1	180.1	202.8	170.9	170.9	192.3
				SHC	178.5	204.0	229.5	172.1	196.7	221.4	165.1	188.8	212.5	157.5	180.1	202.8	149.4	170.9	192.3
	62		THC	204.0	204.0	238.2	196.6	196.6	229.7	188.7	188.7	220.5	180.2	180.2	210.5	170.8	170.8	199.6	
			SHC	169.8	204.0	238.2	163.6	196.6	229.7	157.0	188.7	220.5	149.8	180.2	210.5	142.0	170.8	199.6	
	67		THC	214.7	214.7	219.1	205.8	205.8	215.2	196.1	196.1	211.0	185.7	185.7	206.3	174.5	174.5	201.0	
			SHC	139.4	179.2	219.1	135.7	175.5	215.2	131.7	171.3	211.0	127.3	166.8	206.3	122.6	161.8	201.0	
	72	THC	232.9	232.9	232.9	223.4	223.4	223.4	213.0	213.0	213.0	201.7	201.7	201.7	189.2	189.2	189.2		
		SHC	98.4	138.6	178.8	94.9	135.1	175.3	91.2	131.3	171.4	87.2	127.2	167.3	82.8	122.8	162.7		
	76	THC	—	248.6	248.6	—	—	—	—	—	—	—	—	—	—	—	—		
		SHC	—	106.2	147.2	—	—	—	—	—	—	—	—	—	—	—	—		
	9000 Cfm	EA (wb)	58	THC	209.3	209.3	235.6	201.8	201.8	227.2	193.6	193.6	217.9	184.6	184.6	207.9	174.9	174.9	197.0
				SHC	183.0	209.3	235.6	176.5	201.8	227.2	169.2	193.6	217.9	161.3	184.6	207.9	152.8	174.9	197.0
62			THC	209.3	209.3	244.5	201.7	201.7	235.7	193.5	193.5	226.2	184.6	184.6	215.8	174.9	174.9	204.5	
			SHC	174.1	209.3	244.5	167.8	201.7	235.7	160.9	193.5	226.2	153.4	184.6	215.8	145.3	174.9	204.5	
67			THC	217.2	217.2	234.0	208.2	208.2	230.1	198.2	198.2	225.4	187.7	187.7	220.1	176.6	176.6	213.6	
			SHC	145.9	190.0	234.0	142.2	186.1	230.1	138.0	181.7	225.4	133.4	176.7	220.1	128.2	170.9	213.6	
72		THC	235.4	235.4	235.4	225.7	225.7	225.7	215.1	215.1	215.1	203.7	203.7	203.7	191.4	191.4	191.4		
		SHC	100.9	145.5	190.0	97.5	142.0	186.5	93.7	138.1	182.6	89.7	134.0	178.3	85.4	129.6	173.7		
76		THC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
		SHC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
10000 Cfm		EA (wb)	58	THC	213.8	213.8	240.8	206.1	206.1	232.1	197.6	197.6	222.6	188.3	188.3	212.1	178.4	178.4	201.0
				SHC	186.9	213.8	240.8	180.1	206.1	232.1	172.7	197.6	222.6	164.5	188.3	212.1	155.8	178.4	201.0
	62		THC	213.8	213.8	249.9	206.0	206.0	240.8	197.6	197.6	231.0	188.3	188.3	220.3	178.3	178.3	208.6	
			SHC	177.8	213.8	249.9	171.2	206.0	240.8	164.1	197.6	231.0	156.4	188.3	220.3	148.0	178.3	208.6	
	67		THC	219.3	219.3	248.2	210.1	210.1	243.6	200.2	200.2	238.3	189.7	189.7	232.2	178.9	178.9	222.0	
			SHC	152.2	200.2	248.2	148.2	195.9	243.6	143.7	191.0	238.3	138.8	185.5	232.2	132.0	177.0	222.0	
	72	THC	237.4	237.4	237.4	227.6	227.6	227.6	216.8	216.8	216.8	205.2	205.2	205.2	192.7	192.7	192.7		
		SHC	103.4	152.2	201.1	99.9	148.7	197.5	96.1	144.8	193.5	92.1	140.7	189.2	87.7	136.1	184.5		
	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*25A/524J*25 COMBINATION RATINGS — 60 Hz

			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	221.5	221.5	248.3	213.5	213.5	239.8	204.9	204.9	230.0	195.3	195.3	219.4	184.5	184.5	207.4	
			SHC	194.2	221.2	248.3	187.3	213.5	239.8	179.7	204.9	230.0	171.2	195.3	219.4	161.7	184.5	207.4	
		62	THC	232.4	232.4	232.9	222.4	222.4	228.1	211.4	211.4	222.6	199.4	199.4	216.7	186.5	186.5	209.6	
			SHC	173.9	203.4	232.9	169.1	198.6	228.1	163.7	193.2	222.6	157.9	187.3	216.7	151.3	180.5	209.6	
		67	THC	251.7	251.7	251.7	240.8	240.8	240.8	228.9	228.9	228.9	215.9	215.9	215.9	201.6	201.6	201.6	
			SHC	141.6	170.7	199.8	136.8	166.0	195.3	131.7	161.1	190.4	126.2	155.6	185.0	120.3	149.7	179.2	
	72	THC	272.8	272.8	272.8	260.8	260.8	260.8	247.6	247.6	247.6	233.4	233.4	233.4	217.8	217.8	217.8		
		SHC	110.4	138.3	166.1	105.5	133.8	162.0	100.3	128.9	157.5	94.8	123.6	152.4	88.9	117.9	147.0		
	76	THC	—	290.9	290.9	—	278.1	278.1	—	263.7	263.7	—	248.5	248.5	—	231.6	231.6		
		SHC	—	111.5	144.5	—	106.8	139.8	—	103.0	136.0	—	98.3	123.1	—	92.9	120.2		
	7000 cfm	EA (wb)	58	THC	232.1	232.1	260.6	223.5	223.5	251.1	214.2	214.2	240.7	203.9	203.9	229.2	192.4	192.4	216.4
				SHC	203.5	232.1	260.6	195.9	223.5	251.1	187.7	214.2	240.7	178.6	203.9	229.2	168.5	192.4	216.4
62			THC	238.9	238.9	253.7	228.3	228.3	248.2	217.1	217.1	242.1	205.0	205.0	234.5	192.8	192.8	222.1	
			SHC	186.0	219.8	253.7	180.8	214.5	248.2	175.1	208.6	242.1	168.4	201.5	234.5	159.1	190.6	222.1	
67			THC	258.3	258.3	258.3	246.8	246.8	246.8	234.4	234.4	234.4	220.8	220.8	220.8	205.9	205.9	205.9	
			SHC	149.2	182.8	216.5	144.4	178.1	211.8	139.2	173.0	206.7	133.6	167.4	201.2	127.5	161.4	195.3	
72		THC	279.3	279.3	279.3	266.7	266.7	266.7	253.0	253.0	253.0	238.3	238.3	238.3	222.0	222.0	222.0		
		SHC	113.2	145.9	178.5	108.3	141.2	174.1	103.1	136.3	169.4	97.6	130.9	164.2	91.5	125.1	158.6		
76		THC	—	297.5	297.5	—	283.8	283.8	—	269.2	269.2	—	253.2	253.2	—	235.5	235.5		
		SHC	—	116.1	154.6	—	112.0	138.2	—	107.4	137.4	—	102.4	133.9	—	96.7	129.1		
8000 cfm		EA (wb)	58	THC	240.8	240.8	270.6	231.8	231.8	260.5	221.8	221.8	249.4	210.9	210.9	237.2	198.8	198.8	223.6
				SHC	211.0	240.8	270.6	203.0	231.8	260.5	194.2	221.8	249.4	184.6	210.9	237.2	173.9	198.8	223.6
	62		THC	244.2	244.2	271.9	233.5	233.5	265.4	222.6	222.6	255.7	211.0	211.0	245.3	198.8	198.8	232.0	
			SHC	196.6	234.3	271.9	190.9	228.2	265.4	183.3	219.5	255.7	175.2	210.2	245.3	165.5	198.8	232.0	
	67		THC	263.5	263.5	263.5	251.6	251.6	251.6	238.7	238.7	238.7	224.6	224.6	224.6	209.2	209.2	210.8	
			SHC	156.4	194.4	232.4	151.5	189.6	227.6	146.3	184.4	222.4	140.6	178.7	216.9	134.5	172.6	210.8	
	72	THC	284.4	284.4	284.4	271.3	271.3	271.3	257.3	257.3	257.3	242.0	242.0	242.0	225.4	225.4	225.4		
		SHC	115.9	153.0	190.2	110.9	148.3	185.7	105.8	143.3	180.9	100.2	137.9	175.6	94.2	132.0	169.9		
	76	THC	—	302.5	302.5	—	288.4	288.4	—	273.4	273.4	—	256.8	256.8	—	—	—		
		SHC	—	120.4	153.1	—	116.0	150.4	—	111.3	146.9	—	106.0	142.5	—	—	—		
	9000 cfm	EA (wb)	58	THC	248.2	248.2	279.1	238.7	238.7	268.5	228.3	228.3	256.8	216.8	216.8	244.0	204.1	204.1	229.7
				SHC	217.4	248.2	279.1	209.0	238.7	268.5	199.8	228.3	256.8	189.7	216.8	244.0	178.5	204.1	229.7
62			THC	249.3	249.3	285.8	238.9	238.9	277.7	228.3	228.3	266.5	216.8	216.8	253.2	204.1	204.1	238.4	
			SHC	204.9	245.4	285.8	198.4	238.0	277.7	190.1	228.3	266.5	180.4	216.8	253.2	169.8	204.1	238.4	
67			THC	267.7	267.7	267.7	255.5	255.5	255.5	242.2	242.2	242.2	227.7	227.7	232.0	212.0	212.0	225.6	
			SHC	163.4	205.6	247.7	158.4	200.6	242.9	153.1	195.3	237.6	147.3	189.7	232.0	141.1	183.4	225.6	
72		THC	288.5	288.5	288.5	275.2	275.2	275.2	260.8	260.8	260.8	245.1	245.1	245.1	228.1	228.1	228.1		
		SHC	118.4	159.9	201.4	113.5	155.2	196.8	108.3	150.1	191.9	102.7	144.6	186.5	96.6	138.7	180.7		
76		THC	—	306.6	306.6	—	292.3	292.3	—	276.7	276.7	—	—	—	—	—	—		
		SHC	—	124.2	162.9	—	119.7	159.4	—	114.8	155.2	—	—	—	—	—	—		
10,000 cfm		EA (wb)	58	THC	254.7	254.7	286.5	244.7	244.7	275.3	233.9	233.9	263.2	221.9	221.9	249.8	208.7	208.7	234.9
				SHC	222.9	254.7	286.5	214.1	244.7	275.3	204.6	233.9	263.2	194.0	221.9	249.8	182.5	208.7	234.9
	62		THC	254.6	254.6	297.3	244.8	244.8	285.3	233.9	233.9	273.1	221.9	221.9	259.2	208.6	208.6	243.8	
			SHC	212.0	254.6	297.3	203.4	244.4	285.3	194.6	233.9	273.1	184.5	221.9	259.2	173.4	208.6	243.8	
	67		THC	271.3	271.3	271.3	258.7	258.7	258.7	245.1	245.1	252.3	230.3	230.3	246.7	214.0	214.0	239.7	
			SHC	170.0	216.4	262.7	165.0	211.4	257.7	159.6	206.0	252.3	153.9	200.3	246.7	147.3	193.5	239.7	
	72	THC	292.0	292.0	292.0	278.4	278.4	278.4	263.7	263.7	263.7	247.4	247.4	247.4	230.0	230.0	230.0		
		SHC	120.9	166.6	212.3	116.0	161.8	207.6	110.7	156.7	202.6	105.0	151.0	197.1	98.9	145.1	191.2		
	76	THC	—	310.1	310.1	—	295.3	295.3	—	—	—	—	—	—	—	—	—		
		SHC	—	127.8	171.4	—	123.2	167.5	—	—	—	—	—	—	—	—	—		

LEGEND

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

569J*25A/524J*28 COMBINATION RATINGS — 60 Hz

				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	236.2	236.2	266.2	228.0	228.0	256.9	219.0	219.0	246.7	209.0	209.0	235.5	198.1	198.1	223.2	
			SHC	206.3	236.2	266.2	199.0	228.0	256.9	191.2	219.0	246.7	182.5	209.0	235.5	172.9	198.1	223.2	
		62	THC	241.6	241.6	264.9	231.6	231.6	259.3	220.9	220.9	252.9	209.4	209.4	244.9	198.2	198.2	231.8	
			SHC	191.3	228.1	264.9	186.2	222.8	259.3	180.6	216.7	252.9	173.9	209.4	244.9	164.7	198.2	231.8	
		67	THC	262.3	262.3	262.3	251.0	251.0	251.0	238.9	238.9	238.9	225.7	225.7	225.7	211.4	211.4	211.4	
			SHC	154.6	192.0	229.4	149.9	187.3	224.6	145.0	182.3	219.6	139.6	176.9	214.2	133.9	171.1	208.4	
	72	THC	284.6	284.6	284.6	272.4	272.4	272.4	259.2	259.2	259.2	244.7	244.7	244.7	229.2	229.2	229.2		
		SHC	116.2	153.9	191.6	111.6	149.3	186.9	106.8	144.3	181.9	101.5	139.0	176.4	95.9	133.3	170.7		
	76	THC	—	303.1	303.1	—	289.9	289.9	—	275.8	275.8	—	260.4	260.4	—	—	—		
		SHC	—	123.4	162.7	—	118.8	157.9	—	114.0	152.8	—	108.7	147.3	—	—	—		
	8750 Cfm	EA (wb)	58	THC	247.1	247.1	278.5	238.2	238.2	268.4	228.5	228.5	257.5	217.8	217.8	245.4	206.1	206.1	232.2
				SHC	215.7	247.1	278.5	208.0	238.2	268.4	199.5	228.5	257.5	190.2	217.8	245.4	179.9	206.1	232.2
62			THC	248.7	248.7	286.9	238.6	238.6	279.1	228.7	228.7	267.4	218.0	218.0	254.9	206.2	206.2	241.2	
			SHC	204.5	245.7	286.9	198.2	238.6	279.1	189.9	228.7	267.4	181.1	218.0	254.9	171.3	206.2	241.2	
67			THC	268.2	268.2	268.2	256.5	256.5	256.5	243.9	243.9	243.9	230.1	230.1	234.0	215.3	215.3	227.8	
			SHC	164.0	206.9	249.7	159.3	202.1	244.9	154.2	197.0	239.7	148.7	191.4	234.0	142.8	185.3	227.8	
72		THC	290.8	290.8	290.8	277.9	277.9	277.9	264.2	264.2	264.2	249.2	249.2	249.2	233.1	233.1	233.1		
		SHC	120.1	163.2	206.3	115.4	158.5	201.5	110.5	153.4	196.4	105.1	148.0	190.9	99.4	142.2	184.9		
76		THC	—	309.2	309.2	—	295.5	295.5	—	280.8	280.8	—	—	—	—	—	—		
		SHC	—	128.3	172.8	—	123.7	168.0	—	118.7	162.8	—	—	—	—	—	—		
10000 Cfm		EA (wb)	58	THC	255.9	255.9	288.4	246.5	246.5	277.8	236.2	236.2	266.1	224.9	224.9	253.4	212.5	212.5	239.4
				SHC	223.5	255.9	288.4	215.2	246.5	277.8	206.2	236.2	266.1	196.3	224.9	253.4	185.5	212.5	239.4
	62		THC	256.1	256.1	299.5	246.7	246.7	288.4	236.3	236.3	276.4	225.0	225.0	263.1	212.6	212.6	248.6	
			SHC	212.7	256.1	299.5	204.9	246.7	288.4	196.3	236.3	276.4	186.9	225.0	263.1	176.6	212.6	248.6	
	67		THC	272.9	272.9	272.9	260.7	260.7	264.2	247.7	247.7	258.7	233.6	233.6	252.6	218.5	218.5	245.9	
			SHC	173.0	221.1	269.2	168.1	216.1	264.2	162.9	210.8	258.7	157.2	204.9	252.6	151.1	198.5	245.9	
	72	THC	295.5	295.5	295.5	282.2	282.2	282.2	268.1	268.1	268.1	252.7	252.7	252.7	236.1	236.1	236.1		
		SHC	123.7	172.1	220.4	119.0	167.3	215.5	114.0	162.2	210.3	108.6	156.6	204.7	102.8	150.7	198.6		
	76	THC	—	314.0	314.0	—	299.8	299.8	—	—	—	—	—	—	—	—	—		
		SHC	—	133.0	182.6	—	128.2	177.7	—	—	—	—	—	—	—	—	—		
	11250 Cfm	EA (wb)	58	THC	263.3	263.3	296.8	253.4	253.4	285.5	242.6	242.6	273.4	230.7	230.7	260.0	217.7	217.7	245.4
				SHC	229.9	263.3	296.8	221.2	253.4	285.5	211.8	242.6	273.4	201.5	230.7	260.0	190.1	217.7	245.4
62			THC	263.5	263.5	308.1	253.6	253.6	296.5	242.8	242.8	283.9	230.9	230.9	270.0	217.9	217.9	254.8	
			SHC	218.9	263.5	308.1	210.6	253.6	296.5	201.7	242.8	283.9	191.8	230.9	270.0	181.0	217.9	254.8	
67			THC	276.6	276.6	287.7	264.2	264.2	282.3	250.9	250.9	276.5	236.5	236.5	269.8	221.3	221.3	262.1	
			SHC	181.4	234.6	287.7	176.4	229.4	282.3	171.1	223.8	276.5	165.2	217.5	269.8	158.6	210.3	262.1	
72		THC	299.3	299.3	299.3	285.7	285.7	285.7	271.2	271.2	271.2	255.4	255.4	255.4	238.5	238.5	238.5		
		SHC	127.2	180.6	234.1	122.4	175.7	229.1	117.3	170.6	223.8	111.9	165.0	218.0	106.1	159.0	211.9		
76		THC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
		SHC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
12500 Cfm		EA (wb)	58	THC	269.7	269.7	303.9	259.3	259.3	292.2	248.1	248.1	279.5	235.7	235.7	265.6	222.2	222.2	250.4
				SHC	235.5	269.7	303.9	226.4	259.3	292.2	216.6	248.1	279.5	205.8	235.7	265.6	194.1	222.2	250.4
	62		THC	269.8	269.8	315.5	259.4	259.4	303.4	248.2	248.2	290.2	235.8	235.8	275.7	222.4	222.4	260.0	
			SHC	224.2	269.8	315.5	215.5	259.4	303.4	206.2	248.2	290.2	195.9	235.8	275.7	184.7	222.4	260.0	
	67		THC	279.8	279.8	305.1	267.1	267.1	299.3	253.7	253.7	292.8	239.2	239.2	285.1	223.8	223.8	275.5	
			SHC	189.4	247.2	305.1	184.3	241.8	299.3	178.6	235.7	292.8	172.3	228.7	285.1	164.9	220.2	275.5	
	72	THC	302.4	302.4	302.4	288.5	288.5	288.5	273.7	273.7	273.7	257.7	257.7	257.7	240.4	240.4	240.4		
		SHC	130.5	188.9	247.3	125.7	184.0	242.3	120.6	178.7	236.9	115.1	173.1	231.0	109.2	167.0	224.7		
	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*25D/524J*25 COMBINATION RATINGS — 60 Hz

				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	220.0	220.0	247.0	212.1	212.1	238.2	203.4	203.4	228.5	193.7	193.7	217.7	182.8	182.8	205.5	
			SHC	193.0	220.0	247.0	186.0	212.1	238.2	178.3	203.4	228.5	169.8	193.7	217.7	160.1	182.8	205.5	
		62	THC	230.1	230.1	234.9	220.0	220.0	230.0	209.0	209.0	224.6	197.0	197.0	218.3	183.9	183.9	210.5	
			SHC	174.4	204.7	234.9	169.6	199.8	230.0	164.2	194.4	224.6	158.2	188.3	218.3	151.2	180.8	210.5	
		67	THC	251.0	251.0	251.0	239.9	239.9	239.9	227.9	227.9	227.9	214.6	214.6	214.6	199.9	199.9	199.9	
			SHC	142.4	172.3	202.2	137.6	167.6	197.6	132.5	162.6	192.7	126.9	157.1	187.3	120.9	151.1	181.3	
	72	THC	274.2	274.2	274.2	262.0	262.0	262.0	248.7	248.7	248.7	234.1	234.1	234.1	217.9	217.9	217.9		
		SHC	111.3	140.1	168.9	106.4	135.5	164.6	101.2	130.6	160.0	95.6	125.2	154.8	89.5	119.3	149.1		
	76	THC	—	294.4	294.4	—	281	281.0	—	266.4	266.4	—	250.7	250.7	—	233.4	233.4		
		SHC	—	113.0	146.0	—	108.7	141.7	—	104.6	133.3	—	99.7	126.2	—	94.1	122.4		
	7000 cfm	EA (wb)	58	THC	230.8	230.8	259.3	222.2	222.2	249.7	212.8	212.8	239.2	202.3	202.3	227.5	190.6	190.6	214.4
				SHC	202.3	230.8	259.3	194.7	222.2	249.7	186.4	212.8	239.2	177.2	202.3	227.5	166.9	190.6	214.4
62			THC	236.4	236.4	255.9	225.9	225.9	250.3	215.3	215.3	241.3	203.8	203.8	231.2	191.3	191.3	220.8	
			SHC	186.6	221.3	255.9	181.4	215.8	250.3	174.2	207.7	241.3	166.3	198.7	231.2	158.0	189.4	220.8	
67			THC	257.6	257.6	257.6	245.9	245.9	245.9	233.2	233.2	233.2	219.3	219.3	219.3	204.0	204.0	204.0	
			SHC	150.4	185.0	219.6	145.5	180.2	214.9	140.3	175.0	209.8	134.6	169.4	204.2	128.4	163.2	198.1	
72		THC	281.0	281.0	281.0	268.1	268.1	268.1	254.2	254.2	254.2	238.8	238.8	238.8	222.0	222.0	222.0		
		SHC	114.4	148.1	181.8	109.5	143.4	177.3	104.2	138.4	172.5	98.5	132.8	167.2	92.3	126.8	161.3		
76		THC	—	301.1	301.1	—	287.2	287.2	—	272.2	272.2	—	255.7	255.7	—	—	—		
		SHC	—	118.2	151.3	—	113.9	143.1	—	109.2	140.7	—	104.0	136.6	—	—	—		
8,000 cfm		EA (wb)	58	THC	239.6	239.6	269.4	230.5	230.5	259.2	220.5	220.5	248.0	209.4	209.4	235.6	197	197.0	221.7
				SHC	209.9	239.6	269.4	201.8	230.5	259.2	193.0	220.5	248.0	183.3	209.4	235.6	172.3	197.0	221.7
	62		THC	241.9	241.9	274.0	232.2	232.2	263.9	222.0	222.0	253.2	210.1	210.1	242.3	197.0	197.0	230.1	
			SHC	197.3	235.6	274.0	189.6	226.8	263.9	181.7	217.5	253.2	173.3	207.8	242.3	163.9	197.0	230.1	
	67		THC	262.7	262.7	262.7	250.5	250.5	250.5	237.3	237.3	237.3	222.9	222.9	222.9	207.1	207.1	214.0	
			SHC	158.0	197.1	236.3	153.0	192.2	231.4	147.6	186.9	226.1	141.8	181.1	220.3	135.5	174.7	214.0	
	72	THC	286.3	286.3	286.3	272.8	272.8	272.8	258.4	258.4	258.4	242.5	242.5	242.5	225.1	225.1	225.1		
		SHC	117.4	155.7	194.1	112.4	150.9	189.5	107.1	145.8	184.5	101.3	140.1	179.0	95.1	134.0	173.0		
	76	THC	—	306.6	306.6	—	292.0	292.0	—	276.5	276.5	—	—	—	—	—	—		
		SHC	—	122.8	157.5	—	118.2	154.2	—	113.3	150.2	—	—	—	—	—	—		
	9,000 cfm	EA (wb)	58	THC	247.2	247.2	278.0	237.6	237.6	267.3	227.1	227.1	255.5	215.4	215.4	242.4	202.4	202.4	227.8
				SHC	216.4	247.2	278.0	207.9	237.6	267.3	198.7	227.1	255.5	188.4	215.4	242.4	176.9	202.4	227.8
62			THC	249.4	249.4	281.3	239.3	239.3	272.2	227.9	227.9	262.4	215.4	215.4	251.6	202.3	202.3	236.4	
			SHC	202.5	241.9	281.3	195.4	233.8	272.2	187.7	225.1	262.4	179.2	215.4	251.6	168.3	202.3	236.4	
67			THC	266.8	266.8	266.8	254.2	254.2	254.2	240.6	240.6	241.9	225.9	225.9	235.9	209.5	209.5	229.3	
			SHC	165.2	208.8	252.4	160.1	203.8	247.4	154.7	198.3	241.9	148.7	192.3	235.9	142.2	185.7	229.3	
72		THC	290.4	290.4	290.4	276.6	276.6	276.6	261.8	261.8	261.8	245.4	245.4	245.4	227.6	227.6	227.6		
		SHC	120.1	163.0	205.9	115.1	158.2	201.2	109.8	152.9	196.1	103.9	147.2	190.5	97.6	141.0	184.4		
76		THC	—	310.7	310.7	—	295.9	295.9	—	—	—	—	—	—	—	—	—		
		SHC	—	126.7	167.1	—	122.1	163.2	—	—	—	—	—	—	—	—	—		
10,000 cfm		EA (wb)	58	THC	253.7	253.7	285.4	243.7	243.7	274.2	232.7	232.7	261.9	220.5	220.5	248.2	206.9	206.9	233.0
				SHC	221.9	253.7	285.4	213.1	243.7	274.2	203.5	232.7	261.9	192.7	220.5	248.2	180.8	206.9	233.0
	62		THC	255.5	255.5	290.4	244.0	244.0	282.1	232.6	232.6	271.8	220.5	220.5	257.6	206.9	206.9	241.9	
			SHC	208.4	249.4	290.4	201.5	241.8	282.1	193.5	232.6	271.8	183.3	220.5	257.6	171.9	206.9	241.9	
	67		THC	270.1	270.1	270.1	257.2	257.2	262.7	243.3	243.3	257.0	228.0	228.0	250.8	211.4	211.4	243.3	
			SHC	172.1	220.0	267.8	166.9	214.8	262.7	161.4	209.2	257.0	155.2	203.0	250.8	148.3	195.8	243.3	
	72	THC	293.9	293.9	293.9	279.7	279.7	279.7	264.4	264.4	264.4	247.8	247.8	247.8	229.6	229.6	229.6		
		SHC	122.8	170.1	217.4	117.7	165.1	212.5	112.3	159.8	207.3	106.4	154.0	201.6	100.1	147.8	195.4		
	76	THC	—	314.3	314.3	—	299.1	299.1	—	—	—	—	—	—	—	—	—		
		SHC	—	130.6	175.9	—	125.8	171.7	—	—	—	—	—	—	—	—	—		

LEGEND

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

569J*25D/524J*28 COMBINATION RATINGS — 60 Hz

				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	237.5	237.5	261.6	228.5	228.5	251.7	218.7	218.7	240.9	207.7	207.7	228.8	195.9	195.9	215.8	
			SHC	213.4	237.5	261.6	205.3	228.5	251.7	196.5	218.7	240.9	186.6	207.7	228.8	176.0	195.9	215.8	
		62	THC	241.6	241.6	261.6	230.8	230.8	255.7	220.1	220.1	246.2	207.9	207.9	236.1	196.1	196.1	222.6	
			SHC	201.2	231.4	261.6	195.7	225.7	255.7	188.0	217.1	246.2	179.8	207.9	236.1	169.5	196.1	222.6	
		67	THC	262.2	262.2	262.2	250.1	250.1	250.1	237.0	237.0	237.0	222.5	222.5	222.5	207.4	207.4	207.4	
			SHC	163.9	194.6	225.3	158.9	189.6	220.3	153.6	184.2	214.9	147.7	178.3	208.9	141.6	172.2	202.7	
	72	THC	285.5	285.5	285.5	272.2	272.2	272.2	257.9	257.9	257.9	242.1	242.1	242.1	225.6	225.6	225.6		
		SHC	125.1	156.0	186.9	120.2	151.0	181.9	114.9	145.7	176.5	109.2	139.9	170.6	103.2	133.8	164.5		
	76	THC	—	305.5	305.5	—	291.1	291.1	—	—	—	—	—	—	—	—	—		
		SHC	—	124.9	156.9	—	120.0	151.8	—	—	—	—	—	—	—	—	—		
	8750 Cfm	EA (wb)	58	THC	248.0	248.0	273.2	238.3	238.3	262.5	227.7	227.7	250.8	215.9	215.9	237.8	203.3	203.3	223.9
				SHC	222.8	248.0	273.2	214.1	238.3	262.5	204.6	227.7	250.8	194.0	215.9	237.8	182.6	203.3	223.9
62			THC	249.2	249.2	280.0	238.6	238.6	270.9	227.9	227.9	258.8	216.1	216.1	245.4	203.4	203.4	231.0	
			SHC	213.6	246.8	280.0	206.3	238.6	270.9	197.0	227.9	258.8	186.8	216.1	245.4	175.8	203.4	231.0	
67			THC	267.7	267.7	267.7	254.9	254.9	254.9	241.2	241.2	241.2	226.3	226.3	228.3	210.6	210.6	221.6	
			SHC	174.8	210.1	245.4	169.7	204.9	240.2	164.2	199.3	234.5	158.2	193.2	228.3	151.8	186.7	221.6	
72		THC	291.3	291.3	291.3	277.3	277.3	277.3	262.4	262.4	262.4	246.1	246.1	246.1	228.9	228.9	228.9		
		SHC	130.3	165.7	201.2	125.2	160.6	196.0	119.9	155.2	190.5	114.0	149.2	184.4	108.0	143.1	178.1		
76		THC	—	311.4	311.4	—	—	—	—	—	—	—	—	—	—	—	—		
		SHC	—	130.1	166.5	—	—	—	—	—	—	—	—	—	—	—	—		
10000 Cfm		EA (wb)	58	THC	256.5	256.5	282.5	246.1	246.1	271.1	234.9	234.9	258.8	222.4	222.4	245.0	209.1	209.1	230.4
				SHC	230.4	256.5	282.5	221.2	246.1	271.1	211.1	234.9	258.8	199.9	222.4	245.0	187.9	209.1	230.4
	62		THC	256.7	256.7	291.5	246.3	246.3	279.7	235.1	235.1	267.0	222.6	222.6	252.8	209.3	209.3	237.6	
			SHC	221.9	256.7	291.5	213.0	246.3	279.7	203.2	235.1	267.0	192.4	222.6	252.8	180.9	209.3	237.6	
	67		THC	271.7	271.7	271.7	258.6	258.6	259.0	244.6	244.6	253.0	229.2	229.2	246.3	213.3	213.3	238.9	
			SHC	185.1	224.9	264.6	179.8	219.4	259.0	174.1	213.6	253.0	167.8	207.1	246.3	161.1	200.0	238.9	
	72	THC	295.6	295.6	295.6	281.2	281.2	281.2	265.8	265.8	265.8	249.0	249.0	249.0	—	—	—		
		SHC	135.2	175.0	214.9	130.0	169.8	209.6	124.6	164.2	203.9	118.6	158.2	197.7	—	—	—		
	76	THC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
		SHC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	11250 Cfm	EA (wb)	58	THC	263.5	263.5	290.3	252.7	252.7	278.3	240.9	240.9	265.3	227.9	227.9	251.0	214.0	214.0	235.7
				SHC	236.8	263.5	290.3	227.0	252.7	278.3	216.4	240.9	265.3	204.7	227.9	251.0	192.2	214.0	235.7
62			THC	263.7	263.7	299.5	252.9	252.9	287.1	241.1	241.1	273.7	228.0	228.0	258.9	214.1	214.1	243.1	
			SHC	228.0	263.7	299.5	218.6	252.9	287.1	208.4	241.1	273.7	197.1	228.0	258.9	185.1	214.1	243.1	
67			THC	275.0	275.0	282.7	261.6	261.6	276.8	247.2	247.2	270.3	231.8	231.8	262.6	216.0	216.0	251.8	
			SHC	194.9	238.8	282.7	189.4	233.1	276.8	183.4	226.8	270.3	176.6	219.6	262.6	168.2	210.0	251.8	
72		THC	299.0	299.0	299.0	284.2	284.2	284.2	268.4	268.4	268.4	251.3	251.3	251.3	—	—	—		
		SHC	139.8	184.0	228.1	134.6	178.7	222.7	129.0	173.0	216.9	123.1	166.8	210.6	—	—	—		
76		THC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
		SHC	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
12500 Cfm		EA (wb)	58	THC	269.5	269.5	296.9	258.2	258.2	284.4	245.9	245.9	270.9	232.4	232.4	256.0	218.0	218.0	240.1
				SHC	242.2	269.5	296.9	232.0	258.2	284.4	221.0	245.9	270.9	208.8	232.4	256.0	195.9	218.0	240.1
	62		THC	269.7	269.7	306.3	258.4	258.4	293.4	246.1	246.1	279.4	232.5	232.5	264.0	218.1	218.1	247.6	
			SHC	233.2	269.7	306.3	223.4	258.4	293.4	212.8	246.1	279.4	201.0	232.5	264.0	188.6	218.1	247.6	
	67		THC	277.8	277.8	299.7	264.1	264.1	293.2	249.7	249.7	285.6	234.5	234.5	274.3	218.8	218.8	261.2	
			SHC	204.0	251.8	299.7	198.2	245.7	293.2	191.6	238.6	285.6	183.1	228.7	274.3	173.4	217.3	261.2	
	72	THC	301.7	301.7	301.7	286.6	286.6	286.6	270.5	270.5	270.5	—	—	—	—	—	—		
		SHC	144.3	192.6	241.0	139.0	187.2	235.5	133.4	181.5	229.6	—	—	—	—	—	—		
	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

ELECTRICAL DATA

COOLING SINGLE CIRCUIT 569J*07-14 WITHOUT POWERED CONVENIENCE OUTLET

UNIT SIZE	TWO STAGE COOLING	V-Ph-Hz	VOLTAGE RANGE		COMPRESSOR NO. 1		OFM		POWER SUPPLY		DISCONNECT SIZE	
			Min	Max	RLA	LRA	Qty	FLA (ea)	MCA	Fuse or HACR Breaker	FLA	LRA
07	YES	575-3-60	518	633	6.3	55	2	0.7	10	15	9	59
		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
	NO	575-3-60	518	633	6.6	55	2	0.7	10	15	9	59
		208/230-3-60	187	253	19.6	136	2	1.5	28/28	45/45	26/26	142/142
		460-3-60	414	506	8.2	66	2	0.8	12	20	11	70
08	YES	575-3-60	518	633	9.9	78	2	0.7	14	20	13	82
		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
	NO	575-3-60	518	633	9.0	78	2	0.7	13	20	12	82
		208/230-3-60	187	253	25.0	164	2	1.5	35/35	50/50	32/32	170/170
		460-3-60	414	506	12.2	100	2	0.8	17	25	16	104
12	NO	575-3-60	518	633	11.3	94	2	0.7	16	25	15	98
		208/230-3-60	187	253	28.2	239	2	1.5	39/39	60/60	36/36	245/245
		460-3-60	414	506	14.7	130	2	0.8	20	30	19	134
14	NO	575-3-60	518	633	14.7	100	2	0.7	20	30	19	104
		208/230-3-60	187	253	48.1	245	2	1.5	64/64	80/80	59/59	251/251
		460-3-60	414	506	18.6	125	2	0.8	25	30	23	129

COOLING SINGLE CIRCUIT 569J 07-14 WITH POWERED CONVENIENCE OUTLET

UNIT SIZE	TWO STAGE COOLING	NOMINAL POWER SUPPLY	VOLTAGE RANGE		COMPRESSOR NO. 1		OFM		POWER SUPPLY		DISCONNECT SIZE	
		Volts	Min	Max	RLA	LRA	Qty	FLA (ea)	MCA	Fuse or HACR Breaker	FLA	LRA
07	YES	575-3-60	518	633	6.3	55	2	0.7	11	15	11	61
		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
	NO	575-3-60	518	633	6.6	55	2	0.7	12	15	11	61
		208/230-3-60	187	253	19.6	136	2	1.5	33/33	50/50	32/32	147/147
		460-3-60	414	506	8.2	66	2	0.8	15	20	14	72
08	YES	575-3-60	518	633	9.9	78	2	0.7	16	25	15	84
		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
	NO	575-3-60	518	633	9.0	78	2	0.7	15	20	14	84
		208/230-3-60	187	253	25.0	164	2	1.5	40/40	60/60	38/38	175/175
		460-3-60	414	506	12.2	100	2	0.8	20	30	18	106
12	NO	575-3-60	518	633	11.3	94	2	0.7	18	25	17	100
		208/230-3-60	187	253	28.2	239	2	1.5	44/44	60/60	41/41	250/250
		460-3-60	414	506	14.7	130	2	0.8	23	30	21	136
14	NO	575-3-60	518	633	14.7	100	2	0.7	22	30	20	106
		208/230-3-60	187	253	48.1	245	2	1.5	68/68	80/80	64/64	256/256
		460-3-60	414	506	18.6	125	2	0.8	28	45	26	131

NOTE: See page 50 for legend and notes.

**COOLING SINGLE CIRCUIT
569J 16, 25 WITHOUT POWERED CONVENIENCE OUTLET**

UNIT SIZE	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	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
	460-3-60	414	506	12.2	100	12.2	100	3	0.8	29.9	40	31	206
	575-3-60	518	633	9.0	78	9.0	78	3	0.7	22.4	30	23	162
25	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
	460-3-60	414	506	16.7	114	16.7	114	4	0.8	40.8	50	42	236
	575-3-60	518	633	12.2	80	12.2	80	4	0.7	30.3	40	31	168

**COOLING SINGLE CIRCUIT
569J 16, 25 WITH POWERED CONVENIENCE OUTLET**

UNIT SIZE	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	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
	460-3-60	414	506	12.2	100	12.2	100	3	0.8	32.1	40	33	208
	575-3-60	518	633	9.0	78	9.0	78	3	0.7	24.1	30	25	164
25	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
	460-3-60	414	506	16.7	114	16.7	114	4	0.8	43	50	45	238
	575-3-60	518	633	12.2	80	12.2	80	4	0.7	32	40	33	170

**COOLING DUAL CIRCUIT
569J 12, 14 WITHOUT POWERED CONVENIENCE OUTLET**

UNIT SIZE	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	575	518	633	5.7	39	5.7	39	2	0.7	15	20	15	82
	208/230-3-60	187	253	15.9	110	15.9	110	2	1.5	39/39	50/50	40/40	226/226
	460-3-60	414	506	7.7	52	7.7	52	2	0.8	19	25	20	108
14	575-3-60	518	633	7.7	54	7.7	54	2	0.7	19	25	19	112
	208/230-3-60	187	253	22.4	149	22.4	149	2	1.5	54/54	60/60	55/55	304/304
	460-3-60	414	506	10.6	75	10.6	75	2	0.8	26	30	26	154

**COOLING DUAL CIRCUIT
569J 12, 14 WITH POWERED CONVENIENCE OUTLET**

UNIT SIZE	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	575-3-60	518	633	5.7	39	5.7	39	2	0.7	16	20	17	84
	208/230-3-60	187	253	15.9	110	15.9	110	2	1.5	44/44	50/50	46/46	231/231
	460-3-60	414	506	7.7	52	7.7	52	2	0.8	22	25	22	110
14	575-3-60	518	633	7.7	54	7.7	54	2	0.7	21	25	21	114
	208/230-3-60	187	253	22.4	149	22.4	149	2	1.5	59/59	80/80	60/60	309/309
	460-3-60	414	506	10.6	75	10.6	75	2	0.8	28	35	29	156

NOTE: See page 50 for legend and notes.

ELECTRICAL DATA (CONT)

COOLING DUAL CIRCUIT 569J 16, 25 WITHOUT POWERED CONVENIENCE OUTLET

UNIT SIZE	NOMINAL POWER SUPPLY	VOLTAGE RANGE		COMPRESSOR No. 1		COMPRESSOR No. 2		OFM		POWER SUPPLY		DISCONNECT SIZE	
	V-Ph-Hz	Min	Max	RLA	LRA	RLA	LRA	Qty	FLA (ea)	MCA	Fuse or HACR Brkr	FLA	LRA
16	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
	460-3-60	414	506	12.2	100	12.2	100	3	0.8	29.9	40	31	206
	575-3-60	518	633	9.0	78	9.0	78	3	0.7	22.4	30	23	162
25	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
	460-3-60	414	506	16.7	114	16.7	114	4	0.8	40.8	50	42	236
	575-3-60	518	633	12.2	80	12.2	80	4	0.7	30.3	40	31	168

COOLING DUAL CIRCUIT 569J 16, 25 WITH POWERED CONVENIENCE OUTLET

UNIT SIZE	NOMINAL POWER SUPPLY	VOLTAGE RANGE		COMPRESSOR No. 1		COMPRESSOR No. 2		OFM		POWER SUPPLY		DISCONNECT SIZE	
	V-Ph-Hz	Min	Max	RLA	LRA	RLA	LRA	Qty	FLA (ea)	MCA	Fuse or HACR Brkr	FLA	LRA
16	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
	460-3-60	414	506	12.2	100	12.2	100	3	0.8	32.1	40	33	208
	575-3-60	518	633	9.0	78	9.0	78	3	0.7	24.1	30	25	164
25	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
	460-3-60	414	506	16.7	114	16.7	114	4	0.8	43	50	45	238
	575-3-60	518	633	12.2	80	12.2	80	4	0.7	32	40	33	170

Legend and Notes pages 48-50.

- 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

NOTES:

1. The MCA and Fuse values are calculated in accordance with The NEC, Article 440.
2. Motor RLA and LRA values are established in accordance with Underwriters' Laboratories (UL), Standard 1995.
3. The 575-v units are UL, Canada-listed only.
4. **Unbalanced 3-Phase Supply Voltage**
Never operate a motor where a phase imbalance in supply voltage is greater than 2%. Use the following formula to determine the percentage of voltage imbalance.

Example: Supply Voltage is 230-3-60

$$\% \text{ Voltage Imbalance} = 100 \times \frac{\text{max voltage deviation from average voltage}}{\text{average voltage}}$$

Example: Supply voltage is 230-3-60



- AB = 224 v
- BC = 231 v
- AC = 226 v

$$\text{Average Voltage} = \frac{(224 + 231 + 226)}{3} = \frac{681}{3} = 227$$

Determine maximum deviation from average voltage.

$$(AB) 227-224 = 3 \text{ v}$$

$$(BC) 231-227 = 4 \text{ v}$$

$$(AC) 227-226 = 1 \text{ v}$$

Maximum deviation is 4 v.

Determine percent of voltage imbalance.

$$\% \text{ Voltage Imbalance} = 100 \times \frac{4}{227} = 1.78\%$$

This amount of phase imbalance is satisfactory as it is below the maximum allowable 2%.

IMPORTANT: If the supply voltage phase imbalance is more than 2%, contact your local electric utility company immediately.

APPLICATION DATA

Operating Limits

Maximum outdoor temperature.....	125°F
Minimum return-air temperature (524J).....	55°F
Maximum return-air temperature (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*
07A	35	-20
08A	35	
12A	35	
14A	35	
16A	35	
25A	35	
12D	35	
14D	35	
16D	35	
25D	35	

* 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

PURON®-DUTY FILTER DRIER(S)

MODEL SIZE	QTY	LIQUID LINE OD	DESSICANT VOLUME	PART NUMBER REF
569J*07A	1	3/8-in.	8 cu. in.	KH43LG091
569J*08A	1	1/2-in.	16 cu. in.	KH43LG085
569J*12A	1	1/2-in.	16 cu. in.	KH43LG085
569J*14A	1	5/8-in.	16 cu. in.	KH43LG087
569J*16A	1	5/8-in.	30 cu. in.	KH43LG087
569J*25A	1	5/8-in.	30 cu. in.	KH43LG087
569J*12D	2	3/8-in.	8 cu. in.	KH43LG091
569J*14D	2	1/2-in.	16 cu. in.	KH43LG085
569J*16D	2	1/2-in.	16 cu. in.	KH43LG085
569J*25D	2	1/2-in.	16 cu. in.	KH43LG085

GUIDE SPECIFICATIONS

Commercial Air-Cooled Condensing Units

HVAC Guide Specifications

Size Range: **6 to 20 Tons**

Bryant Model Numbers: **569J, Single Circuit (07 - 25 Models)**
569J*, Dual Circuit (12 - 25 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 unit 569JD 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 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.
6. 569J*16 and 25 sizes shall use two scroll compressors manifold together. 569J*07/08G and 569J*07/08H shall use one refrigerant circuit with one 2-stage compressor.

E. Condenser 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 an 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.
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 Alert¹ 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
 - 2. Minimum safety devices which are equipped with automatic reset (after resetting first at thermostat), shall include:
 - a. High discharge pressure cutout.
 - b. 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, 60 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.

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°F (-29°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 switch cannot be used when unit MOCP electrical rating exceeds 80 amps.
- 3. Convenience Outlet:

Outlet shall be factory-installed and internally mounted with easily accessible 115-v female receptacle. Outlet shall include 15 amp GFI (ground fault interrupter) receptacle with independent fuse protection. Voltage required to operate convenience outlet shall be provided by a factory-

1. Comfort Alert is a trademark of Emerson Climate Technologies.

GUIDE SPECIFICATIONS (CONT)

installed step-down transformer. Outlet shall be accessible from outside the unit.

4. Thermostat Controls:

a. Programmable multi-stage thermostat shall have 7-day clock, holiday scheduling, large backlit display, remote sensor capability, and Title 24 compliance.

b. Commercial Electronic Thermostat shall have 7-day time clock, auto-changeover, multi-stage capability, and large LCD (liquid crystal display) temperature display.

5. Louvered Hail Guard Package:

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

