LENNOX®

ENGINEERING DATA

CONDENSING UNITS

LSA

L SERIES™ CONDENSING UNITS

6 to 20 Ton (21.1 to 70.3 kW)

Cooling Capacity - 63,000 to 249,000 Btuh (18.5 to 73.0 kW)

Bulletin No. 210282
April 2000

CERTIFICATION APPLIES ONLY WHEN THE COMPLETE SYSTEM IS LISTED WITH ARI

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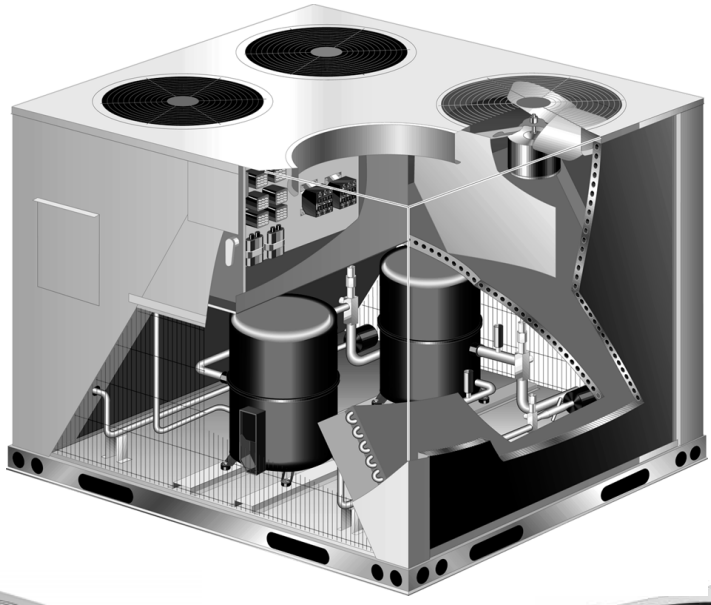
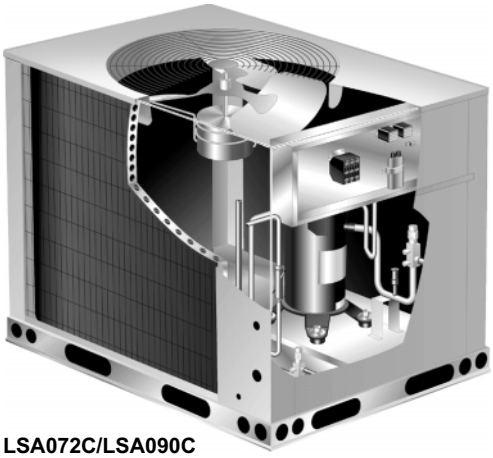


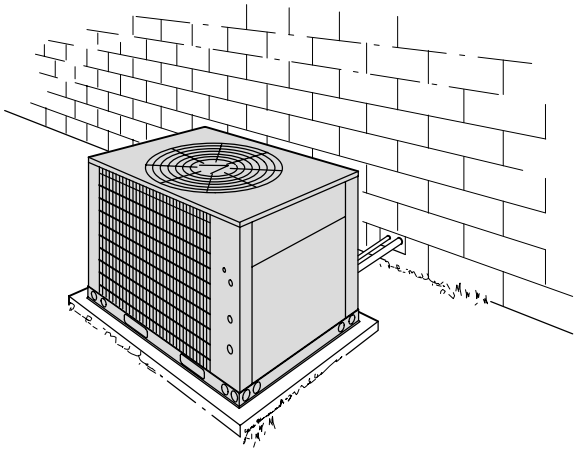
LSA180C/LSA240C



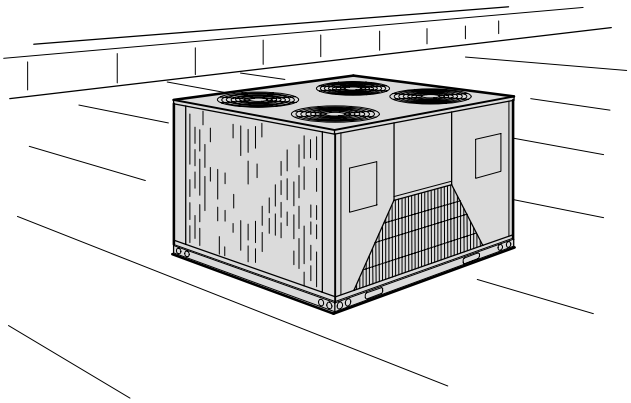
LSA072C/LSA090C

LSA120C

Typical Applications



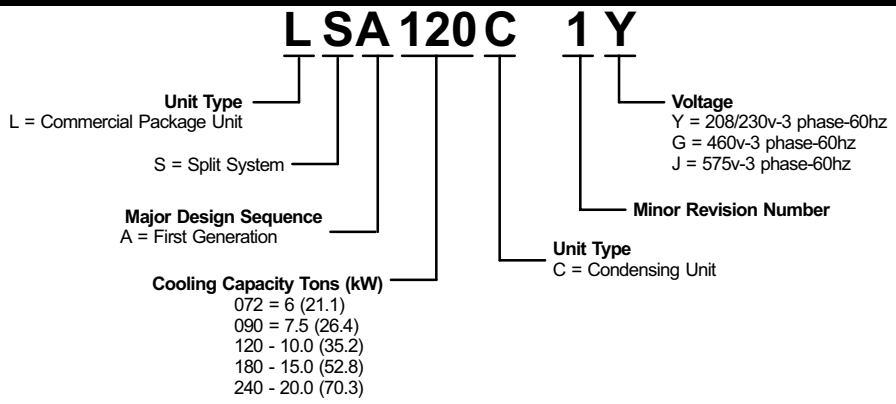
Unit on a slab at grade level



Rooftop Installation

NOTE - Due to Lennox' ongoing committment to quality, Specifications, Ratings and Dimensions subject to change without notice and without incurring liability.

MODEL NUMBER IDENTIFICATION



FEATURES

Applications
- Condensing units available in 6, 7.5, 10, 15 and 20 ton (21.1, 26.4, 35.2, 52.8 and 70.3 kW) nominal sizes.
- Designed for applications with remotely located blower-coil unit or furnace with add-on evaporator coil.
- See ARI rating tables for efficiencies and capacities.
- For blower coil unit or evaporator unit data, see bulletins indexed in tab section Coils-Blower Coil Units.
- All units shipped factory assembled, piped and wired.
- Test operated at factory to ensure dependable operation.

Approvals
- All units tested in Lennox Research Laboratory environmental test room.
- Condensing units with a capacity less than 65,000 Btuh (19 kW) are rated and certified in accordance with ARI Standard 210/240-94.
- Condensing units with a capacity of 65,000 Btuh (19 kW) or greater are rated and certified in accordance with ARI Standard 340/360-93.
- Sound tested in Lennox reverberant sound test room in accordance with test conditions included in ARI Standard 270-95
- Units and components within are bonded for grounding to meet safety standards for servicing required by UL, ULC, NEC and CEC.
- All units are UL listed and ULC certified.

Equipment Warranty
- Compressor — limited warranty for five years.
- All other covered components — limited warranty for one year.
- Refer to Lennox Equipment Limited Warranty certificate included with unit for specific details.

Compressors
- LSA072C, LSA090C, LSA120C features single scroll compressor.
- LSA180C, LSA240C have two reciprocating compressors.

Scroll compressor features:
- Compressor features high efficiency with uniform suction flow, constant discharge flow and high volumetric efficiency and quiet operation.
- Compressor consists of two involute spiral scrolls matched together to generate a series of crescent shaped gas pockets between them.
- During compression, one scroll remains stationary while the other scroll orbits around it.
- Gas is drawn into the outer pocket, the pocket is sealed as the scroll rotates.
- As the spiral movement continues, gas pockets are pushed to the center of the scrolls. Volume between the pockets is simultaneously reduced.
- When pocket reaches the center, gas is now high pressure and is forced out of a port located in the center of the fixed scrolls.
- During compression, several pockets are compressed simultaneously resulting in a smooth continuous compression cycle.
- Continuous flank contact, maintained by centrifugal force, minimizes gas leakage and maximizes efficiency.
- Scroll compressor is tolerant to the effects of slugging and contaminants. If this occurs, scrolls separate, allowing liquid or contaminants to to be worked toward the center and discharged.
- Low gas pulses during compression reduces operational sound levels.
- Compressor motor is internally protected from excessive current and temperature.
- Compressor is installed in the unit on resilient rubber mounts for vibration free operation.

Reciprocating compressor features:
- Hermetically sealed steel shell.
- Cast iron compressor housing for long life.
- Internal overload protection assures protection from excessive current and temperature. Automatic reset.
- Aluminum pistons and connecting rods.
- Ringed valves.
- Stainless steel discharge valves.
- Large internal muffler for quiet operation.
- Patented internal spring mounting for vibration free operation.
- Compressor installed in unit on resilient rubber mounts for quiet, vibration free operation

Crankcase Heater (All Models)
- Assures proper compressor lubrication at all times.

Cabinet
- Heavy gauge steel cabinet with five station metal wash process.
- Pre-painted panels provides superior rust and corrosion protection.
- Removeable panels allow access for unit servicing. See dimension drawings.
- Heavy duty steel base channels raise the unit off of mounting surface away from damaging moisture.
- Unit lifting holes and forklift slots furnished in base rails. See dimension drawings.

Control Box
- Control box located in separate compartment in unit cabinet (072, 090, 120 models).
- Hinged panel with quarter turn fastener for easy access.
- Slide out control box allows easy access to controls (180, 240 models).
- All controls are pre-wired at the factory.

Coil Guard
- Corrosion resistant PVC (polyvinyl chloride) coated steel wire guard(s) furnished as standard.

CONTINUED ON NEXT PAGE ▶

FEATURES

Copper Tube/Enhanced Fin Coil(s)
- LSA072C equipped with single “L” shaped coil.
- LSA090C equipped with single “U” shaped coil.
- LSA120C equipped with two slab coils.
- LSA180C, LSA240C equipped with four slab coils.
- Lennox designed and fabricated coils constructed of precisely spaced ripple-edge aluminum fins machine fitted to seamless copper tubes.
- Lanced fins provide maximum exposure of fin surface to air stream resulting in excellent heat transfer.
- Fins equipped with collars that grip tubing for maximum contact area.
- Flared shoulder tubing connections and silver soldering provide tight, leakproof joints.
- Long life copper tubing is corrosion-resistant and easy to field service.
- Thoroughly factory tested under high pressure to insure leakproof construction.
- Completely accessible for cleaning.

Outdoor Fan(s)
- LSA072C, LSA090C units have one outdoor fan.
- LSA120C units have two outdoor fans.
- LSA180C, LSA240C units have four outdoor fans.
- Direct drive fan(s) moves large volumes of air uniformly through entire condenser coil(s) for high refrigerant cooling capacity.
- Upward discharge of air reduces operating sound levels and prevents damage to lawns, shrubs and walkways.
- Fan motors are totally enclosed, inherently protected and equipped with a rain shield.
- Fan service access is accomplished by removal of fan guards.

Minimum Run Time Control
- Prevents compressor short cycling and assures oil return to compressor.
- 5 minute minimum run time regardless of cooling demand.

Refrigerant Lines and Service Valves
- Sweat connections.
- Fully serviceable liquid and suction line service valves provide complete service access to refrigerant system. Suction valve can be fully shut off, while liquid valve can be front seated to manage refrigerant charge while servicing system.

Hi-Capacity Drier
- Furnished for field installation. Drier traps any moisture or dirt that could contaminate the refrigerant system.

High Pressure Switch
- Shuts off unit if abnormal operating conditions cause discharge pressure to rise above setting.
- Protects the compressor from excessive condensing pressure.
- Manual reset.

Low Pressure Switch
- Shuts off unit if suction pressure falls below setting.
- Provides loss of charge and freeze-up protection.
- Automatic reset.

Low Ambient Operation
- Units will operate satisfactorily down to 0°F (-18°C) outdoor air temperature without any additional controls.

REQUIRED OPTIONS - ITEMS MUST BE ORDERED AND FACTORY INSTALLED

Voltage — specify when ordering base unit.

OPTIONAL ACCESSORIES - MUST BE ORDERED EXTRA

FACTORY INSTALLED ONLY

Corrosion Protection
- Phenolic epoxy coating applied to condenser coils and painted base section.

Service Outlets
- Dual 115v ground fault circuit interrupter (GFCI) type.
- Field wired.

Disconnect Switch
- Accessible from outside of unit.
- Spring loaded weatherproof cover.

FACTORY OR FIELD INSTALLED

Hot Gas Bypass
- Available for LSA072C, LSA090C, LSA120C only.
- Factory installed kits must be specified when base unit is ordered. Field installed kits must be ordered extra.
- Hot gas bypass to suction contains hot gas bypass valve and desuperheating valve for reduced capacity control of condensing units.
- Hot gas bypass to evaporator contains hot gas bypass valve for reduced capacity control of condensing units.
- Catalog numbers for field installed kits:

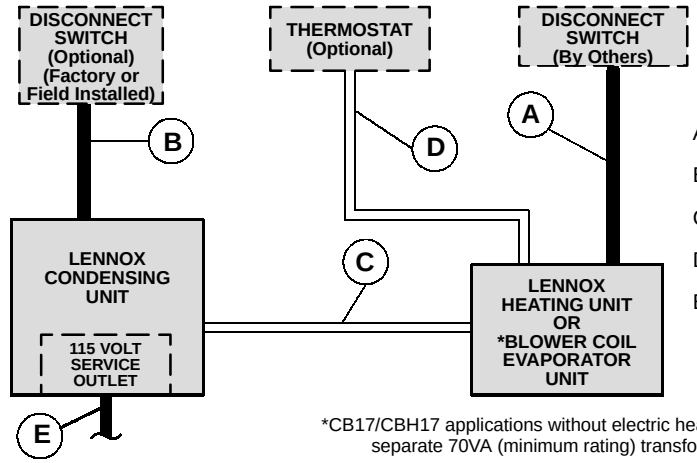
Model No.	Suction	Evaporator
LSA072C	**89K83**	**93K76**
LSA090C	**79K90**	**93K77**
LSA120C	**89K84**	**93K78**

FIELD INSTALLED

Thermostat
- Thermostat is not furnished with unit and must be ordered extra.
- See Thermostats bulletin and Lennox Price Book.

Hail Guard Protection
- Heavy duty field installed coil guard protects coils from damage.
- LSA072C uses (**86K90**).
- LSA090C uses (**83K36**).
- LSA120C, LSA180C, LSA240C use (**79K91**).

FIELD WIRING



A — Three Wire Power (not furnished)

B — Three Wire Power (not furnished) — See Electrical Data

C — Five Wire Low Voltage (not furnished) — 18 ga. minimum

D — Four Wire Low Voltage (not furnished) — 18 ga. minimum

E — Two Wire Power (115 volt) (not furnished)

All wiring must conform to NEC or CEC and local electrical codes.

*CB17/CBH17 applications without electric heat require a separate 70VA (minimum rating) transformer.

SPECIFICATIONS

Model No.			LSA072C	LSA090C	LSA120C	LSA180C	LSA240C
Nominal Size - Tons (kW)			6 (21.1)	7.5 (26.4)	10 (35.2)	15 (52.8)	20 (70.3)
Condenser Coil	Net face area — sq. ft. (m^2)	Outer coil	12.92 (1.20)	16.35 (1.52)	29.36 (2.73) total	58.68 (5.45) total	
		Inner coil	12.59 (1.17)	15.70 (1.46)	- - - -		
	Tube diameter — in. (mm) & no. of rows		3/8 (9.5) - 2			3/8 (9.5) - 1	3/8 (9.5) - 2
	Fins per inch (m)		20 (787)		15 (630)	20 (787)	15 (630)
Condenser Fans	Diameter — in. (mm) & no. of blades		(1) 24 (610) - 4		(2) 24 (610) - 3	(4) 24 (610) - 3	
	Motor hp (W)		(1) 1/2 (373)		(2) 1/3 (249)	(4) 1/3 (249)	
	Cfm (L/s) total air volume		4500 (2125)	4800 (2265)	8200 (3870)	16,000 (7550)	
	Rpm		1060		1100	1075	
	Watts		620	610	740 total	1400 total	
Refrigerant charge			dry air holding charge				
Liquid line (o.d.) — in. (mm) connection (sweat)			5/8 (15.9)			(2) 5/8 (15.9)	
Suction line (o.d.) — in. (mm) connection (sweat)			1-1/8 (28.6)	1-3/8 (34.9)		(2) 1-3/8 (34.9)	
Shipping weight — lbs. (kg) 1 package			354 (161)	427 (193)	555 (251)	968 (439)	1096 (497)

ELECTRICAL DATA

Model No.		LSA072C			LSA090C			LSA120C			LSA180C			LSA240C		
Line voltage data - 60 hz - 3 phase		208/230v	460v	575v	208/230v	460v	575v	208/230v	460v	575v	208/230v	460v	575v	208/230v	460v	575v
Recommended maximum fuse or ⓘ circuit breaker size (amps)		40	20	15	60	30	25	80	40	25	80	35	30	110	50	40
†Minimum circuit ampacity		27	13	11	39	20	15	53	25	18	66	29	23	87	37	29
Compressor	No. of Compressors	1			1			1			2			2		
	Rated load amps (total)	18.6	9	7.4	28.8	14.7	10.8	37.8	17.2	12.4	24.7 (49.4)	10.4 (20.8)	8.1 (16.2)	34.4 (68.8)	13.9 (27.8)	11.1 (22.2)
	Locked rotor amps (total)	156	70	54	195	95	80	239	125	80	164 (328)	79 (158)	63 (126)	195 (390)	98 (196)	78 (156)
Condenser Coil Fan Motor (1 phase)	No. of motors	1			1			2			4			4		
	Full load amps (total)	3	1.5	1.2	3	1.5	1.2	2.4 (4.8)	1.3 (2.6)	1 (2)	2.4 (9.6)	1.3 (5.2)	1 (4)	2.4 (9.6)	1.3 (5.2)	1 (4)
	Locked rotor amps (total)	6	3	2.9	6	3	2.9	4.7 (9.4)	2.4 (4.8)	1.9 (3.8)	4.7 (18.8)	2.4 (9.6)	1.9 (7.6)	4.7 (18.8)	2.4 (9.6)	1.9 (7.6)

†Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.
NOTE — Extremes of operating range are plus and minus 10% of line voltage.
ⓘ HACR type (under 100 amps). U.S. only.

ARI RATINGS - CONDENSING UNITS

Unit Size & Model No. *Sound Rating Number (db)	Gross Cooling Capacity		★ARI Standard 210 or 360 Ratings						Evaporator Unit			Expansion Valve Kit
			Net Cooling Capacity		EER (Btuh/ Watts)	SEER (Btuh/ Watts)	Total Unit Watts	Integrated Part Load Value	Up-Flow	Down-Flow	Horizontal	
	Btuh	kW	Btuh	kW					Evaporator Coils			
(6 Ton) LSA072C (86)	69,000	20.2	66,000	19.3	9.4	- - - -	7110	- - - -	C26-65EAP	- - - -	- - - -	●Factory Installed
	63,000	18.5	61,000	17.8	9.0	10.5	6820	- - - -	- - - -	CR26-65	- - - -	LB-85663K
	68,000	19.9	65,000	19.0	9.3	- - - -	7000	- - - -	- - - -	- - - -	CH23-68	**(26K35)**
	Btuh	**kW**	**Btuh**	**kW**	**EER**	**SEER**	**Watts**	**- - - -**	**Blower Coil Units**			**Valve**
	64,000	18.6	62,000	18.2	9.0	10.2	7020	- - - -	CB29M-65 (Multi-Position)			●Factory Installed
	67,000	19.6	65,000	19.0	9.2	- - - -	7040	- - - -	CB30M-65 (Multi-Position)			
	67,000	19.6	65,000	19.0	9.3	- - - -	6960		CB30U-65	- - - -	- - - -	
	76,000	22.3	74,000	21.7	10.2	- - - -	7230	- - - -	CB17-95	- - - -	CBH17-95	
(7.5 Ton) LSA090C (87)	**Btuh**	**kW**	**Btuh**	**kW**	**EER**	**- - - -**	**Watts**	**- - - -**	**Evaporator Coils**			**Valve**
	94,000	27.5	91,000	26.7	9.2	- - - -	9890	- - - -	C17-090/120 +G24-200	- - - -	- - - -	●Factory Installed
	Btuh	**kW**	**Btuh**	**kW**	**EER**	**- - - -**	**Watts**	**- - - -**	**Blower Coil Units**			**Valve**
	93,000	27.3	90,000	26.4	9.5	- - - -	9480	- - - -	CB17-95	- - - -	CBH17-95	●Factory Installed
	95,000	27.8	92,000	27.0	9.7	- - - -	9480	- - - -	CB17-135	- - - -	CBH17-135	
(10 Ton) LSA120C (90)	**Btuh**	**kW**	**Btuh**	**kW**	**EER**	**- - - -**	**Watts**	**- - - -**	**Evaporator Coils**			**Valve**
	120,000	35.2	116,000	34.0	9.2	- - - -	12,600	- - - -	C17-090/120 +G24-200	- - - -	- - - -	●Factory Installed
	Btuh	**kW**	**Btuh**	**kW**	**EER**	**- - - -**	**Watts**	**- - - -**	**Blower Coil Units**			**Valve**
	121,000	35.5	117,000	34.3	9.5	- - - -	12,320	- - - -	CB17-135	- - - -	CBH17-135	●Factory Installed
(15 Ton) LSA180C	**Btuh**	**kW**	**Btuh**	**kW**	**EER**	**- - - -**	**Watts**	**IPLV**	**Blower Coil Units**			**Valve**
	180,000	52.7	174,000	51.0	9.2	- - - -	18,820	10.0	CB17-185	- - - -	CBH17-185	●Factory Installed
	180,000	52.7	174,000	51.0	9.2	- - - -	18,900	10.0	(2)CB17-95	- - - -	(2)CBH17-95	
(20 Ton LSA240C	**Btuh**	**kW**	**Btuh**	**kW**	**EER**	**- - - -**	**Watts**	**IPLV**	**Blower Coil Units**			**Valve**
	240,000	70.3	232,000	67.9	9.2	- - - -	25,200	10.0	(2)CB17-135	- - - -	(2)CBH17-135	●Factory Installed
	245,000	71.7	238,000	69.7	9.2	- - - -	25,850	10.0	CB17-275	- - - -	CBH17-275	

*Sound rating Number in accordance with test conditions included in ARI Standard 270. For units below 135,000 Btuh (39.6 kW).
★Units with capacity less than 65,000 Btuh (19 kW) are rated and certified in accordance with ARI Standard 210. Units with capacity of 65,000 Btuh (19 kW) or greater are rated and certified in accordance with ARI Standard 340/360: 95°F (35°C) outdoor air temperature, 80°F (27°C) db/67°F (19°C) wb entering evaporator air (minimum external duct static pressure) with 25 ft. (7.6m) of connecting refrigerant lines.
●Furnished as standard with coil.
NOTE - Net capacity includes indoor blower motor heat deduction. Gross capacity does not include indoor blower motor heat deduction.

GUIDE SPECIFICATIONS

Prepared for the guidance of architects, consulting engineers and mechanical contractors.

General — *Furnish and install an air cooled condensing unit. The unit shall be shipped completely factory assembled, piped and wired internally ready for field connections. In addition, manufacturer shall test operate unit at the factory before shipment. The condensing/outdoor unit shall be a standard product of a firm regularly engaged in the manufacture of heating-cooling equipment. The manufacturer shall have parts and service available throughout the United States and Canada.*

The installed weight shall not be more than . . . . . lbs. (kg). Entire unit shall have a width of not more than . . . . . inches (mm), a depth of not more than . . . . . inches (mm) and an overall height of not more than . . . . . inches (mm).

Approvals — *All wiring shall be in compliance with NEC or CEC. Shall be rated and certified in accordance with ARI Standard 210/240-94 or 340/360-93. All models shall have UL listing and be ULC certified.*

Equipment Warranty — *The compressor shall have a limited warranty for five years. All other covered components shall have a limited warranty for one year. Refer to Lennox Equipment Limited Warranty Certificate furnished with unit for details.*

Cooling Capacity — *The total cooling capacity shall be . . . . . Btuh (kW) at . . . . . °F (C°) evaporating temperature and outdoor air temperature of . . . . . °F (°C). The compressor power input shall not exceed . . . . . kw at the above conditions. All models shall have low ambient operation down to 0°F (-18°C).*

Compressor — *LSA072C, LSA090C and LSA120C shall have single speed scroll compressor. LSA180C, LSA240C shall have two single speed reciprocating compressors. Compressors shall be resiliently mounted, suction cooled, overload protected, and have internal excessive current and temperature protection. All compressors shall have crankcase heater.*

Refrigerant System — *Shall include fully serviceable liquid and suction line service valves, gauge ports, hi-capacity driers (field installed), high pressure switch, low pressure switch and minimum run time control. Control options available shall include thermostat.*

Outdoor Coil(s) — *Coil(s) shall be non-ferrous construction with aluminum enhanced fins mechanically bonded to copper tubes. Coil(s) shall be pressure leak tested. Coil face area shall be not less than . . . . . sq. ft. (m^2) Coil(s) shall be protected with steel guard(s).*

Cabinet — *Shall be constructed of galvanized steel which has been through a metal wash preparation and have a pre-painted finish. Openings shall be provided for refrigerant lines and power connection entry.*

Air Mover — *Shall be direct drive propeller type fan(s). Motor(s) shall have inherent protection devices and shall be protected from moisture. Motor(s) shall be . . . . . hp (W) with not more than . . . . . watts input. Fan(s) shall be protected with steel guard(s).*

OPTIONS

Corrosion Protection - *Furnish and factory apply phenolic epoxy coating to outdoor coils and painted base section.*

Disconnect Switch - *Furnish and factory install unit disconnect switch. Shall have spring loaded weatherproof cover.*

Service Outlets - *Furnish and factory install dual 115v ground fault circuit interrupter (GFCI) type. Shall have spring loaded weatherproof cover. Power wiring shall be field provided.*

Hot Gas Bypass *- Available for LSA072C, LSA090C, LSA120C models only. Furnish and factory install or field install hot gas bypass kit. Two kits shall be available: hot gas bypass to suction kit containing hot gas bypass valve and desuperheating valve or hot gas bypass to evaporator kit containing hot gas bypass valve.*

Hail Guard Protection - *Furnish and field install heavy duty coil guard to protect coils.*

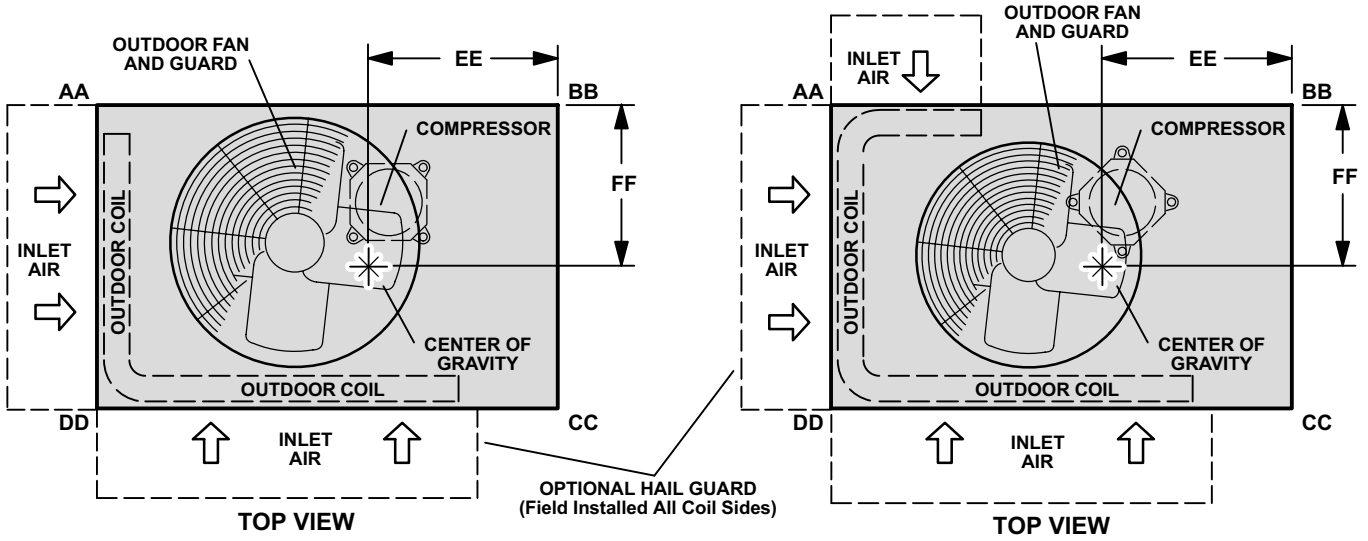
DIMENSIONS - LSA072C & LSA090C

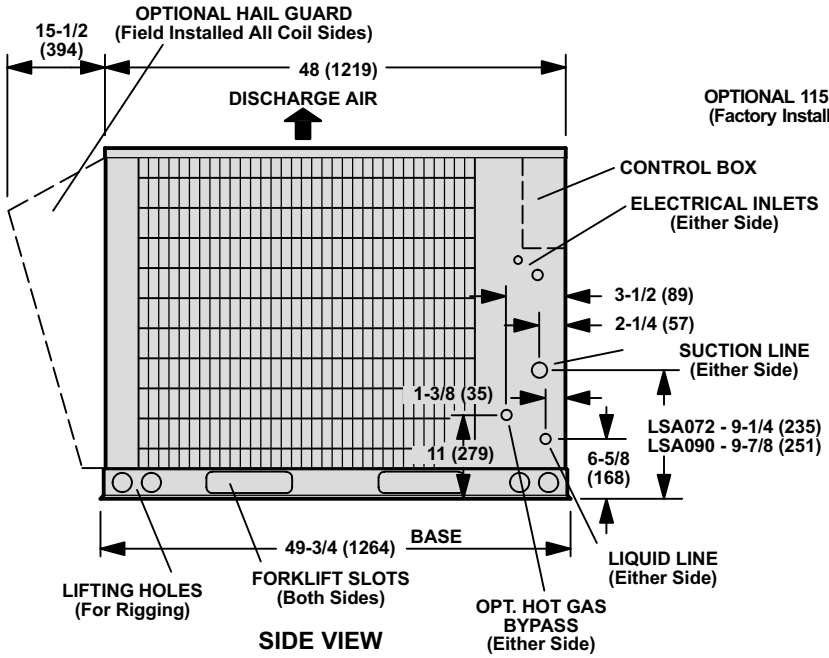
CORNER WEIGHT

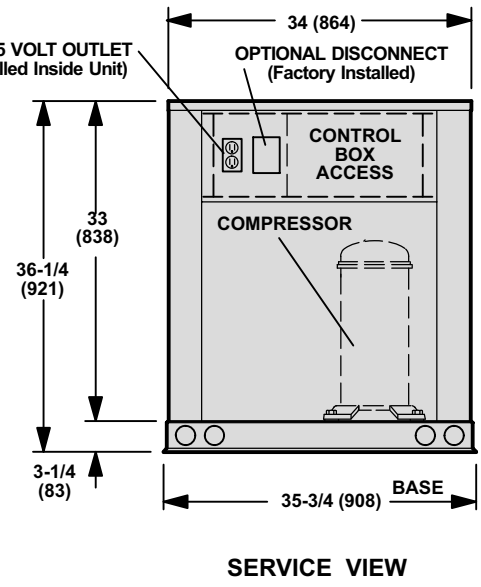
Model No.	AA		BB		CC		DD	
	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg
LSA072C	79	36	93	42	83	38	70	32
LSA090C	93	42	109	50	94	43	80	36

CENTER OF GRAVITY

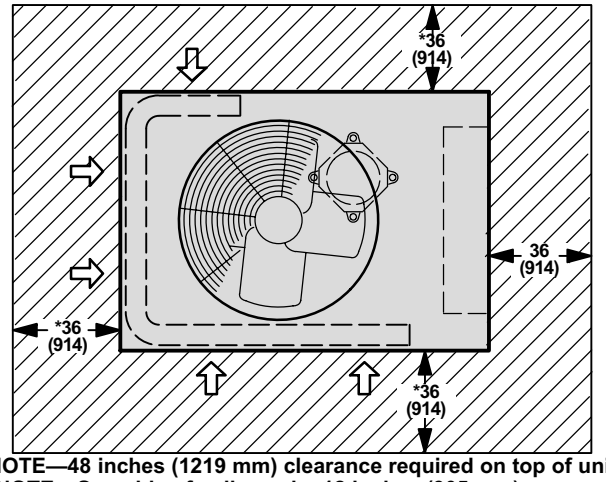
Model No.	EE		FF	
	inch	mm	inch	mm
LSA072C	22-5/8	575	16-5/8	422
LSA090C	22-1/8	562	15-3/4	400







INSTALLATION CLEARANCES - LSA072C & LSA090C



NOTE—48 inches (1219 mm) clearance required on top of unit.
***NOTE—One side of coil may be 12 inches (305 mm).**

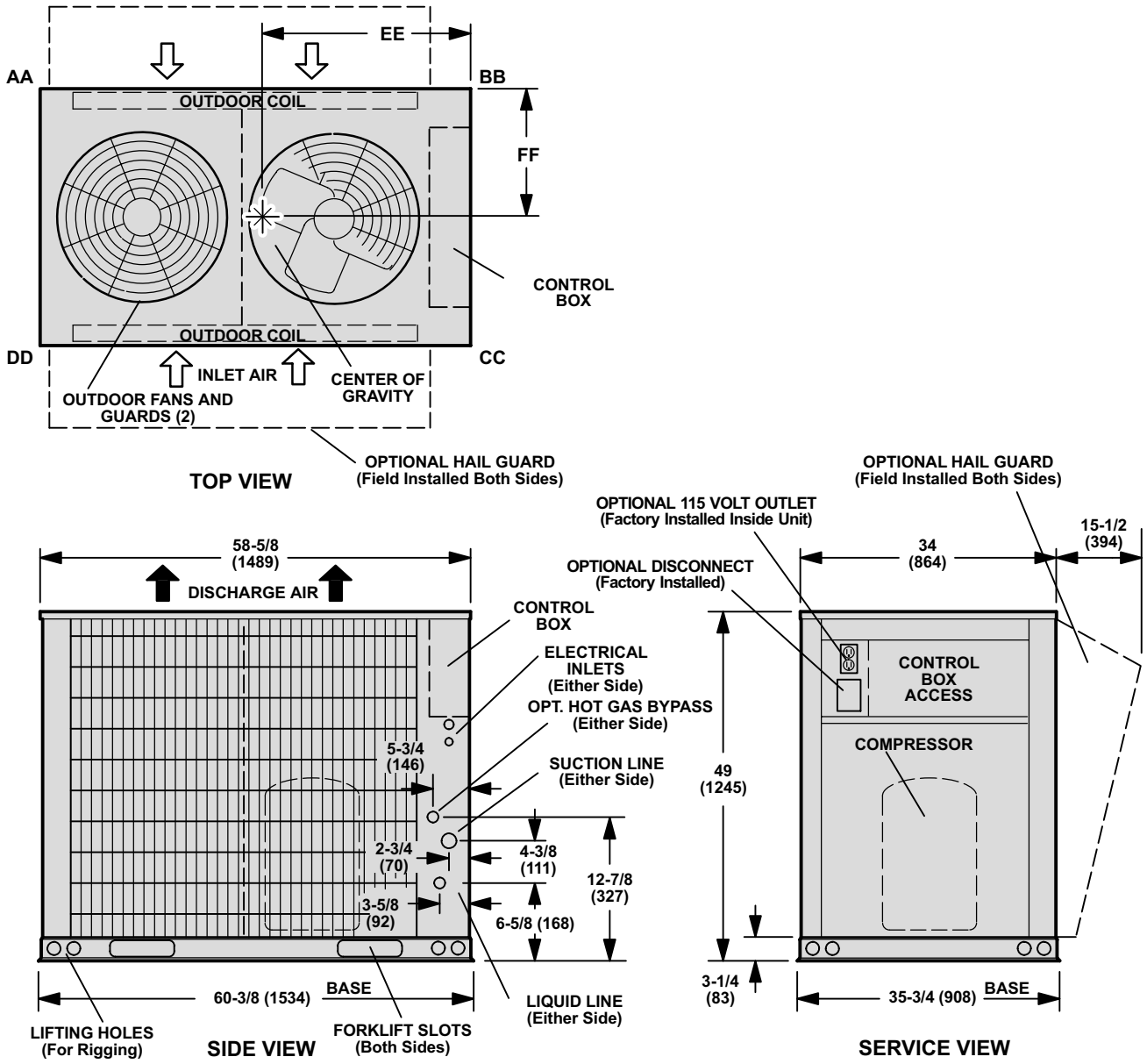
DIMENSIONS - LSA120C

CORNER WEIGHT

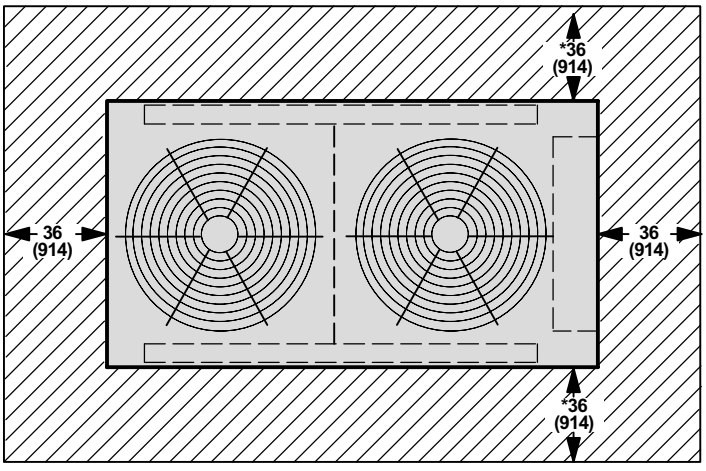
Model No.	AA		BB		CC		DD	
	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg
LSA120C	154	70	129	59	109	49	130	59

CENTER OF GRAVITY

Model No.	EE		FF	
	inch	mm	inch	mm
LSA120C	27-1/2	699	16-3/8	162



INSTALLATION CLEARANCES - LSA120C



NOTE— 48 inches (1219 mm) clearance required on top of unit.
***NOTE— One side of coil may be 12 inches (305 mm).**

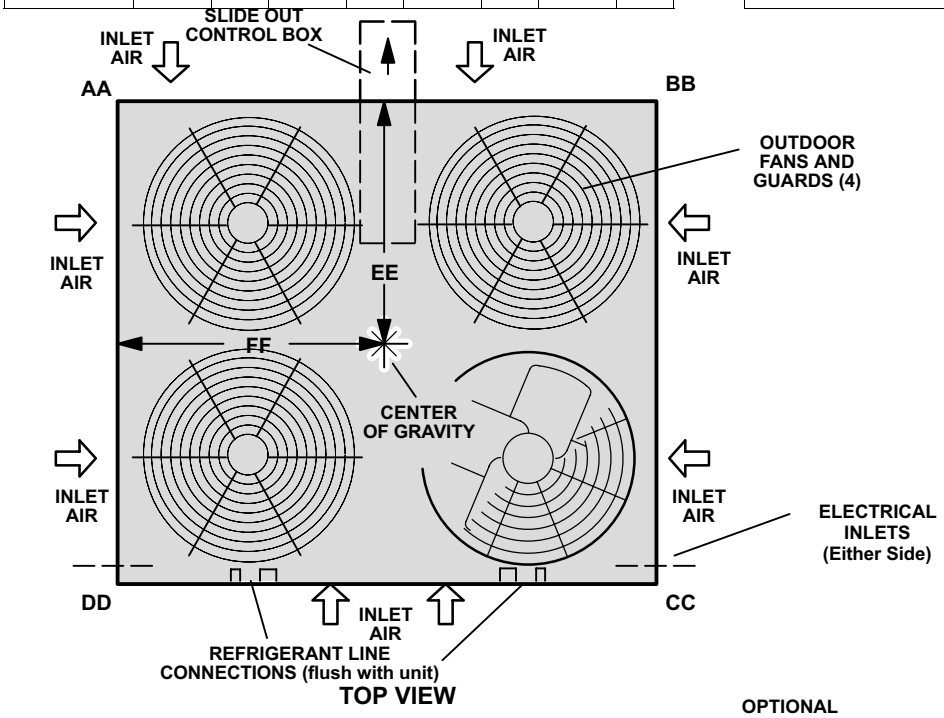
DIMENSIONS - LSA180C & LSA240C

CORNER WEIGHT

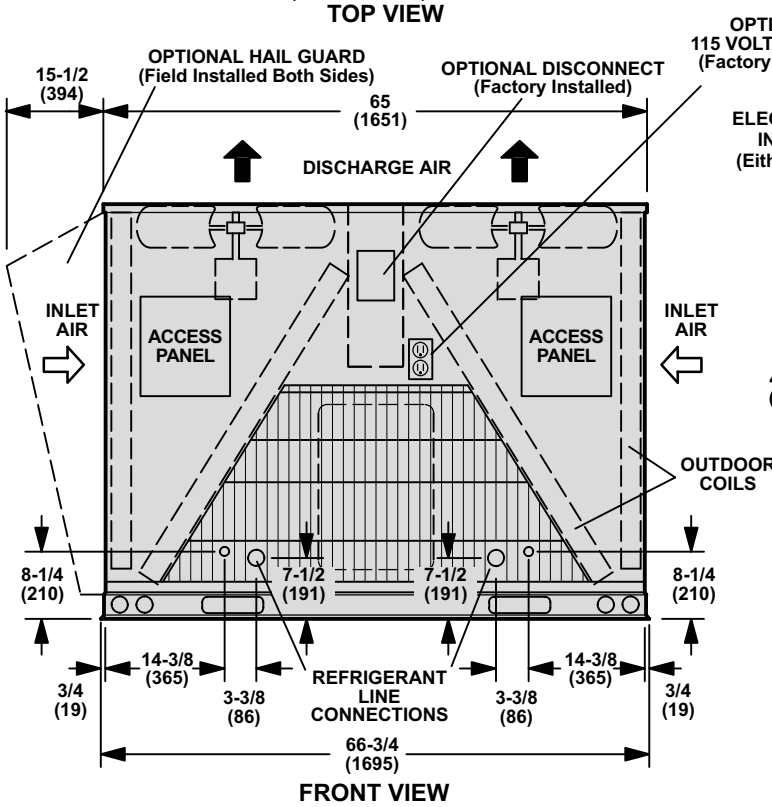
Model No.	AA		BB		CC		DD	
	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg
LSA180C	239	108	239	108	239	108	239	108
LSA240C	262	119	262	119	262	119	262	119

CENTER OF GRAVITY

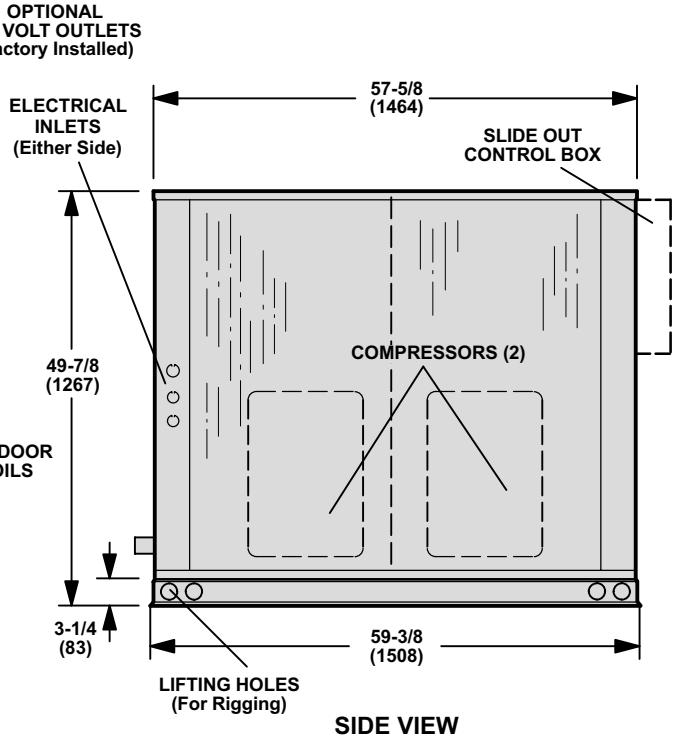
Model No.	EE		FF	
	inch	mm	inch	mm
LSA180C	29-5/16	745	32-1/2	826
LSA240C	29-5/16	745	32-1/2	826



TOP VIEW

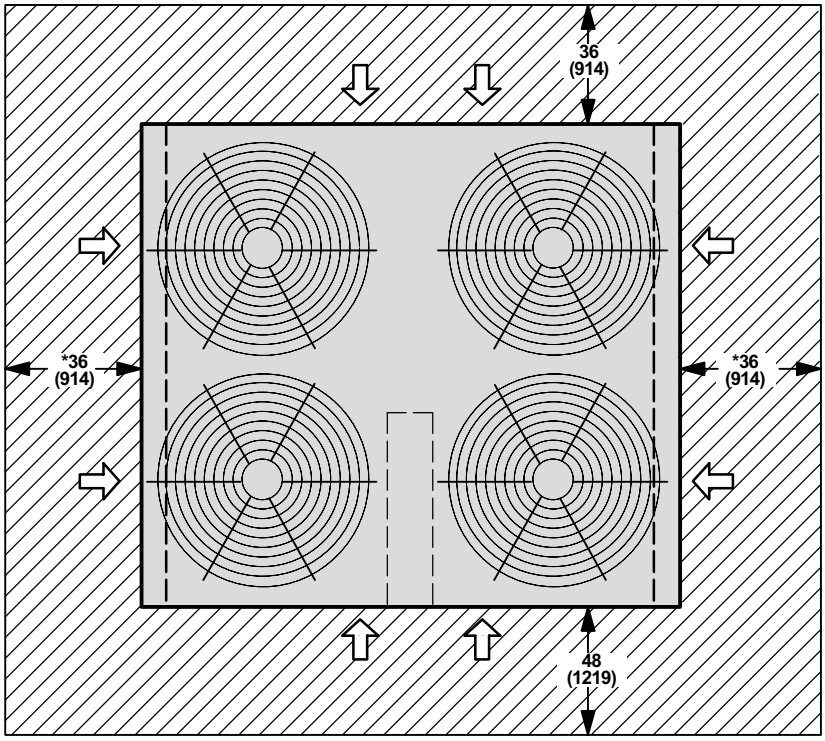


FRONT VIEW



SIDE VIEW

INSTALLATION CLEARANCES - LSA180C & LSA240C



NOTE—48 inches (1219 mm) clearance required on top of unit.
***NOTE—One side of coil may be 12 inches (305 mm).**

COOLING RATINGS

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
All values are gross capacities and do not include evaporator coil blower motor heat deduction.

LSA072C - C26-65EAP COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	905	1920	19.7	67,100	5060	.71	.85	.98	18.9	64,600	5680	.73	.87	.99	18.2	62,000	6370	.74	.89	1.0	17.3	59,200	7160	.75	.91	1.0
	1135	2400	20.4	69,500	5120	.76	.92	1.0	19.6	67,000	5740	.78	.94	1.0	18.9	64,400	6430	.8	.96	1.0	18.1	61,600	7220	.82	.98	1.0
	1360	2880	21.0	71,600	5180	.82	.98	1.0	20.3	69,100	5780	.83	.99	1.0	19.5	66,500	6490	.85	1.0	1.0	18.7	63,800	7290	.87	1.0	1.0
67°F (19°C)	905	1920	20.9	71,300	5160	.56	.69	.82	20.1	68,700	5780	.57	.70	.84	19.3	65,900	6470	.57	.71	.85	18.4	62,900	7270	.58	.73	.88
	1135	2400	21.5	73,400	5210	.59	.74	.89	20.7	70,700	5820	.6	.76	.91	19.9	67,800	6530	.61	.77	.93	19.0	64,700	7320	.62	.79	.95
	1360	2880	22.0	75,000	5250	.62	.80	.95	21.1	72,100	5870	.63	.81	.97	20.3	69,200	6560	.64	.83	.98	19.3	66,000	7350	.65	.85	1.0
71°F (22°C)	905	1920	22.3	76,000	5280	.42	.54	.67	21.5	73,200	5890	.42	.55	.68	20.6	70,200	6590	.42	.56	.69	19.7	67,100	7380	.43	.57	.70
	1135	2400	22.9	78,100	5330	.43	.58	.72	22.0	75,200	5950	.43	.58	.73	21.1	72,000	6650	.44	.59	.75	20.2	68,800	7440	.44	.61	.77
	1360	2880	23.3	79,500	5370	.44	.61	.78	22.4	76,500	5990	.45	.62	.79	21.5	73,300	6690	.45	.63	.81	20.5	70,000	7480	.46	.65	.83

LSA072C - CR26-65 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	905	1920	18.5	63,100	5000	.74	.88	.99	17.8	60,900	5610	.75	.89	1.0	17.1	58,500	6300	.76	.91	1.0	16.4	55,900	7080	.78	.93	1.0
	1135	2400	19.2	65,400	5050	.79	.94	1.0	18.5	63,100	5660	.8	.96	1.0	17.8	60,600	6360	.82	.97	1.0	17.0	58,000	7140	.84	.99	1.0
	1360	2880	19.7	67,300	5100	.84	.99	1.0	19.0	65,000	5710	.85	1.0	1.0	18.4	62,700	6400	.87	1.0	1.0	17.6	60,100	7200	.89	1.0	1.0
67°F (19°C)	905	1920	19.7	67,100	5090	.58	.71	.84	19.0	64,700	5700	.58	.72	.86	18.2	62,100	6390	.59	.74	.88	17.4	59,300	7160	.6	.75	.90
	1135	2400	20.2	69,000	5130	.61	.77	.91	19.5	66,500	5740	.62	.78	.93	18.7	63,800	6430	.63	.80	.95	17.8	60,800	7230	.64	.82	.97
	1360	2880	20.6	70,400	5170	.64	.82	.97	19.9	67,800	5780	.65	.84	.98	19.0	65,000	6480	.66	.85	1.0	18.2	62,100	7260	.67	.87	1.0
71°F (22°C)	905	1920	20.9	71,400	5190	.43	.56	.69	20.2	68,900	5810	.43	.57	.70	19.4	66,100	6500	.44	.57	.71	18.5	63,200	7290	.44	.58	.73
	1135	2400	21.5	73,300	5240	.44	.59	.74	20.7	70,700	5860	.45	.60	.76	19.9	67,800	6550	.45	.61	.77	19.0	64,800	7330	.45	.62	.79
	1360	2880	21.9	74,700	5280	.46	.63	.80	21.1	71,900	5890	.46	.64	.81	20.2	69,000	6590	.46	.65	.83	19.3	65,800	7380	.47	.66	.85

COOLING RATINGS

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
All values are gross capacities and do not include evaporator coil blower motor heat deduction.

LSA072C - CH23-68 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	905	1920	19.7	67,100	5060	.73	.87	.98	19.0	64,700	5670	.74	.88	.99	18.2	62,000	6360	.75	.90	1.0	17.4	59,300	7140	.77	.92	1.0
	1135	2400	20.4	69,700	5130	.78	.94	1.0	19.7	67,100	5730	.8	.95	1.0	18.9	64,500	6430	.81	.97	1.0	18.1	61,700	7210	.83	.99	1.0
	1360	2880	21.1	71,900	5180	.84	.99	1.0	20.3	69,400	5790	.85	1.0	1.0	19.6	66,800	6490	.87	1.0	1.0	18.8	64,100	7280	.89	1.0	1.0
67°F (19°C)	905	1920	20.9	71,300	5160	.57	.70	.83	20.1	68,600	5770	.58	.72	.85	19.3	65,800	6470	.58	.73	.87	18.4	62,800	7250	.59	.75	.89
	1135	2400	21.5	73,400	5220	.6	.76	.91	20.7	70,700	5840	.61	.78	.92	19.9	67,800	6520	.62	.79	.94	18.9	64,600	7300	.63	.81	.96
	1360	2880	22.0	75,100	5260	.64	.82	.97	21.2	72,200	5870	.65	.83	.98	20.3	69,200	6570	.66	.85	.99	19.3	65,900	7360	.67	.88	1.0
71°F (22°C)	905	1920	22.2	75,900	5280	.43	.55	.68	21.4	73,100	5890	.43	.56	.69	20.5	70,100	6590	.43	.57	.70	19.6	66,900	7390	.43	.58	.72
	1135	2400	22.9	78,000	5340	.44	.59	.74	22.0	75,100	5950	.44	.60	.75	21.1	71,900	6650	.45	.61	.77	20.1	68,500	7430	.45	.62	.79
	1360	2880	23.3	79,500	5380	.45	.63	.80	22.4	76,400	5990	.46	.64	.81	21.5	73,200	6690	.46	.65	.83	20.4	69,700	7480	.47	.67	.85

LSA072C - CB29M-65 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	905	1920	18.4	62,900	4990	.73	.87	.98	17.8	60,800	5600	.74	.88	.99	17.1	58,400	6300	.75	.90	1.0	16.4	55,900	7080	.77	.92	1.0
	1135	2400	19.1	65,200	5030	.78	.93	1.0	18.4	62,900	5650	.79	.94	1.0	17.7	60,500	6350	.81	.96	1.0	17.0	57,900	7140	.83	.98	1.0
	1360	2880	19.6	66,900	5070	.83	.98	1.0	19.0	64,700	5690	.84	.99	1.0	18.3	62,400	6390	.86	1.0	1.0	17.6	59,900	7200	.88	1.0	1.0
67°F (19°C)	905	1920	19.6	66,800	5060	.57	.70	.84	18.9	64,400	5680	.58	.72	.85	18.1	61,900	6380	.58	.73	.87	17.3	59,100	7170	.59	.74	.89
	1135	2400	20.1	68,600	5100	.6	.76	.90	19.4	66,100	5720	.61	.77	.92	18.6	63,500	6420	.62	.79	.93	17.8	60,700	7200	.63	.81	.95
	1360	2880	20.5	69,900	5140	.63	.81	.95	19.8	67,400	5750	.64	.82	.97	19.0	64,800	6450	.65	.84	.98	18.1	61,900	7240	.66	.86	.99
71°F (22°C)	905	1920	20.8	71,000	5160	.43	.55	.68	20.1	68,500	5780	.43	.56	.69	19.3	65,900	6480	.43	.57	.71	18.5	63,000	7280	.43	.58	.72
	1135	2400	21.3	72,800	5200	.44	.59	.73	20.6	70,300	5820	.44	.59	.75	19.8	67,500	6520	.44	.60	.76	18.9	64,500	7320	.45	.62	.78
	1360	2880	21.7	74,100	5230	.45	.62	.79	20.9	71,400	5850	.45	.63	.80	20.1	68,600	6550	.46	.64	.82	19.2	65,500	7350	.46	.65	.84

LSA072C - CB30M-65 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	905	1920	19.3	65,900	5050	.72	.86	.97	18.6	63,600	5670	.74	.88	.99	17.9	61,000	6360	.75	.89	1.0	17.1	58,300	7150	.76	.91	1.0
	1135	2400	20.0	68,300	5110	.78	.93	1.0	19.3	65,900	5730	.79	.94	1.0	18.6	63,300	6420	.81	.96	1.0	17.7	60,500	7210	.82	.98	1.0
	1360	2880	20.6	70,300	5160	.83	.98	1.0	19.9	68,000	5770	.84	.99	1.0	19.2	65,400	6480	.86	1.0	1.0	18.4	62,800	7270	.88	1.0	1.0
67°F (19°C)	905	1920	20.5	70,100	5150	.57	.70	.83	19.8	67,500	5760	.57	.71	.84	19.0	64,800	6460	.58	.72	.86	18.1	61,800	7240	.59	.74	.88
	1135	2400	21.1	72,100	5200	.6	.75	.90	20.4	69,500	5810	.61	.77	.91	19.5	66,600	6520	.62	.78	.93	18.6	63,500	7300	.63	.80	.95
	1360	2880	21.6	73,600	5230	.63	.81	.95	20.8	70,900	5860	.64	.82	.97	19.9	67,900	6560	.65	.84	.98	19.0	64,800	7340	.66	.86	1.0
71°F (22°C)	905	1920	21.9	74,600	5260	.43	.55	.67	21.1	71,900	5880	.43	.56	.69	20.2	69,000	6580	.43	.57	.70	19.3	65,900	7370	.43	.58	.72
	1135	2400	22.5	76,700	5320	.44	.58	.73	21.7	73,900	5930	.44	.59	.74	20.7	70,800	6630	.44	.60	.76	19.8	67,600	7430	.45	.62	.78
	1360	2880	22.9	78,100	5350	.45	.62	.78	22.0	75,200	5960	.45	.63	.80	21.1	72,000	6670	.46	.64	.82	20.2	68,800	7460	.46	.65	.84

LSA072C - CB30U-65 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	905	1920	19.5	66,600	5040	.71	.85	.97	18.8	64,200	5660	.73	.87	.99	18.1	61,700	6350	.74	.89	1.0	17.3	58,900	7140	.75	.91	1.0
	1135	2400	20.3	69,100	5100	.77	.92	1.0	19.5	66,600	5720	.78	.94	1.0	18.7	63,900	6420	.8	.96	1.0	17.9	61,200	7190	.82	.98	1.0
	1360	2880	20.8	71,100	5150	.82	.98	1.0	20.1	68,700	5760	.83	.99	1.0	19.4	66,100	6460	.85	1.0	1.0	18.6	63,400	7260	.87	1.0	1.0
67°F (19°C)	905	1920	20.7	70,800	5140	.56	.69	.82	20.0	68,200	5750	.57	.70	.84	19.2	65,500	6450	.57	.71	.85	18.3	62,500	7230	.58	.73	.87
	1135	2400	21.4	72,900	5190	.59	.74	.89	20.6	70,200	5800	.6	.76	.91	19.7	67,300	6500	.61	.77	.93	18.8	64,200	7290	.62	.79	.95
	1360	2880	21.8	74,400	5230	.62	.80	.95	21.0	71,600	5840	.63	.81	.97	20.1	68,700	6540	.64	.83	.98	19.2	65,500	7330	.66	.85	1.0
71°F (22°C)	905	1920	22.1	75,400	5250	.42	.54	.67	21.3	72,700	5870	.42	.55	.68	20.5	69,800	6570	.42	.56	.69	19.5	66,600	7350	.43	.57	.70
	1135	2400	22.7	77,500	5310	.43	.58	.72	21.9	74,700	5920	.43	.58	.73	21.0	71,600	6610	.44	.59	.75	20.0	68,300	7420	.44	.61	.77
	1360	2880	23.1	78,900	5340	.44	.61	.77	22.3	76,000	5950	.45	.62	.79	21.3	72,800	6660	.45	.63	.81	20.4	69,500	7440	.46	.65	.83

COOLING RATINGS

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
All values are gross capacities and do not include evaporator coil blower motor heat deduction.

LSA072C - CB17/CBH17-95 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	905	1920	20.7	70,700	5130	.7	.84	.97	19.9	68,000	5750	.71	.86	.99	19.1	65,200	6450	.72	.88	1.0	18.2	62,200	7230	.74	.90	1.0
	1135	2400	21.5	73,500	5200	.75	.91	1.0	20.7	70,800	5810	.77	.93	1.0	19.9	67,800	6520	.78	.95	1.0	19.0	64,700	7310	.8	.98	1.0
	1360	2880	22.2	75,800	5260	.81	.98	1.0	21.4	73,100	5880	.82	.99	1.0	20.6	70,300	6580	.84	1.0	1.0	19.7	67,300	7380	.87	1.0	1.0
67°F (19°C)	905	1920	22.1	75,400	5240	.55	.67	.81	21.2	72,500	5870	.56	.69	.82	20.4	69,500	6570	.56	.70	.84	19.4	66,300	7350	.57	.71	.86
	1135	2400	22.8	77,900	5310	.58	.73	.88	22.0	74,900	5930	.59	.74	.90	21.0	71,700	6630	.6	.76	.92	20.0	68,300	7420	.61	.78	.95
	1360	2880	23.4	79,700	5360	.61	.78	.95	22.4	76,600	5970	.62	.80	.97	21.5	73,300	6670	.63	.82	.99	20.4	69,700	7470	.64	.85	1.0
71°F (22°C)	905	1920	23.6	80,400	5370	.41	.53	.65	22.7	77,400	6000	.42	.54	.66	21.7	74,200	6710	.42	.55	.67	20.7	70,800	7490	.42	.55	.69
	1135	2400	24.3	83,000	5450	.42	.56	.70	23.4	79,800	6060	.43	.57	.72	22.4	76,400	6770	.43	.58	.74	21.3	72,800	7560	.44	.60	.76
	1360	2880	24.8	84,700	5500	.44	.60	.76	23.9	81,400	6110	.44	.61	.78	22.8	77,900	6810	.44	.62	.80	21.7	74,100	7610	.45	.64	.82

LSA090C — C17-090/120 with G24-200 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	2400	1135	89.0	26.1	7.04	.70	.84	.97	85.4	25.0	7.80	.71	.85	.99	81.4	23.9	8.67	.73	.88	1.00	77.3	22.7	9.64	.74	.90	1.00
	3000	1415	92.6	27.1	7.16	.76	.92	1.00	88.8	26.0	7.91	.77	.94	1.00	84.8	24.9	8.77	.79	.96	1.00	80.6	23.6	9.76	.81	.98	1.00
	3600	1700	95.5	28.0	7.24	.81	.98	1.00	91.9	26.9	8.01	.83	1.00	1.00	88.1	25.8	8.88	.85	1.00	1.00	84.1	24.6	9.88	.88	1.00	1.00
67°F (19°C)	2400	1135	94.8	27.8	7.21	.55	.68	.80	90.9	26.6	7.98	.56	.69	.82	86.8	25.4	8.84	.57	.70	.84	82.3	24.1	9.82	.58	.72	.86
	3000	1415	98.0	28.7	7.31	.58	.73	.88	94.0	27.5	8.07	.59	.75	.90	89.6	26.3	8.94	.60	.77	.93	84.9	24.9	9.93	.62	.79	.96
	3600	1700	100.4	29.4	7.38	.62	.79	.96	96.1	28.2	8.15	.63	.81	.97	91.6	26.8	9.01	.64	.83	.99	86.8	25.4	10.00	.66	.86	1.00
71°F (22°C)	2400	1135	101.1	29.6	7.40	.42	.53	.65	97.0	28.4	8.17	.42	.54	.66	92.6	27.1	9.04	.42	.55	.68	87.8	25.7	10.03	.43	.56	.69
	3000	1415	104.2	30.5	7.50	.43	.57	.71	99.9	29.3	8.27	.43	.58	.73	95.2	27.9	9.14	.44	.59	.74	90.2	26.4	10.13	.44	.60	.76
	3600	1700	106.3	31.2	7.58	.44	.61	.77	101.8	29.8	8.34	.45	.62	.79	97.0	28.4	9.21	.45	.63	.81	91.9	26.9	10.20	.46	.65	.84

LSA090C — CB17/CBH17-95V COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	2400	1135	89.0	26.1	7.08	.69	.83	.96	85.5	25.1	7.86	.70	.85	.98	81.8	24.0	8.74	.72	.87	.99	77.7	22.8	9.75	.73	.89	1.00
	3000	1415	92.4	27.1	7.18	.74	.91	1.00	88.8	26.0	7.95	.76	.93	1.00	84.9	24.9	8.84	.78	.95	1.00	80.8	23.7	9.86	.80	.97	1.00
	3600	1700	95.2	27.9	7.25	.80	.97	1.00	91.6	26.8	8.03	.82	.99	1.00	87.8	25.7	8.93	.84	1.00	1.00	83.9	24.6	9.95	.86	1.00	1.00
67°F (19°C)	2400	1135	94.5	27.7	7.23	.54	.67	.80	90.8	26.6	8.01	.55	.68	.81	86.7	25.4	8.90	.56	.69	.83	82.4	24.1	9.91	.57	.71	.86
	3000	1415	97.4	28.5	7.32	.57	.72	.87	93.6	27.4	8.09	.58	.73	.89	89.4	26.2	8.98	.59	.75	.92	84.7	24.8	10.01	.60	.78	.94
	3600	1700	99.6	29.2	7.38	.60	.78	.94	95.6	28.0	8.16	.61	.79	.96	91.3	26.8	9.06	.63	.82	.98	86.6	25.4	10.06	.64	.84	1.00
71°F (22°C)	2400	1135	100.6	29.5	7.41	.41	.53	.64	96.7	28.3	8.18	.41	.53	.65	92.4	27.1	9.09	.41	.54	.67	87.9	25.8	10.09	.42	.55	.68
	3000	1415	103.5	30.3	7.49	.42	.56	.70	99.4	29.1	8.28	.42	.57	.71	94.9	27.8	9.17	.43	.58	.73	90.0	26.4	10.20	.43	.59	.75
	3600	1700	105.6	30.9	7.55	.43	.59	.75	101.2	29.7	8.33	.44	.60	.77	96.6	28.3	9.23	.44	.62	.79	91.7	26.9	10.24	.45	.63	.82

LSA090C — CB17/CBH17-135 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																					
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	2400	1135	90.1	26.4	7.06	.72	.85	.97	86.5	25.4	7.83	.73	.87	.98	82.7	24.2	8.70	.74	.89	1.00	78.5	23.0	9.71	.76	.91	1.00
	3000	1415	93.7	27.5	7.15	.77	.92	1.00	90.0	26.4	7.93	.78	.94	1.00	86.0	25.2	8.81	.80	.96	1.00	81.7	23.9	9.82	.82	.98	1.00
	3600	1700	96.7	28.3	7.24	.82	.98	1.00	93.0	27.3	8.01	.84	.99	1.00	89.2	26.1	8.89	.86	1.00	1.00	85.1	24.9	9.92	.88	1.00	1.00
67°F (19°C)	2400	1135	95.9	28.1	7.21	.56	.69	.82	92.1	27.0	7.99	.57	.70	.83	88.0	25.8	8.86	.58	.72	.85	83.5	24.5	9.87	.59	.73	.87
	3000	1415	99.1	29.0	7.31	.59	.75	.89	95.1	27.9	8.08	.60	.76	.91	90.8	26.6	8.96	.61	.78	.93	86.1	25.2	9.96	.63	.80	.95
	3600	1700	101.4	29.7	7.38	.63	.80	.95	97.2	28.5	8.15	.64	.82	.97	92.7	27.2	9.03	.65	.84	.99	87.9	25.8	10.03	.67	.86	1.00
71°F (22°C)	2400	1135	102.3	30.0	7.40	.42	.54	.66	98.2	28.8	8.18	.43	.55	.68	93.9	27.5	9.06	.43	.56	.69	89.2	26.1	10.07	.43	.57	.71
	3000	1415	105.4	30.9	7.49	.44	.58	.72	101.2	29.7	8.27	.44	.59	.74	96.6	28.3	9.15	.44	.60	.75	91.6	26.8	10.16	.45	.61	.78
	3600	1700	107.5	31.5	7.56	.45	.61	.78	103.1	30.2	8.33	.45	.63	.80	98.3	28.8	9.22	.46	.64	.82	93.2	27.3	10.22	.46	.66	.84

COOLING RATINGS

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
All values are gross capacities and do not include evaporator coil blower motor heat deduction.

LSA120C — C17-090/120 with G24-200 COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	3200	1510	113.5	33.3	9.73	.70	.84	.96	109.5	32.1	10.75	.71	.85	.97	105.1	30.8	11.90	.72	.87	.99	100.4	29.4	13.23	.74	.89	1.00
	4000	1890	118.1	34.6	9.84	.75	.91	1.00	113.8	33.4	10.87	.77	.93	1.00	109.2	32.0	12.03	.78	.95	1.00	104.3	30.6	13.37	.80	.97	1.00
	4800	2265	121.8	35.7	9.95	.81	.97	1.00	117.6	34.5	10.97	.82	.99	1.00	113.1	33.1	12.14	.84	1.00	1.00	108.4	31.8	13.50	.86	1.00	1.00
67°F (19°C)	3200	1510	120.6	35.3	9.91	.55	.68	.80	116.2	34.1	10.94	.56	.68	.81	111.6	32.7	12.09	.56	.70	.83	106.4	31.2	13.44	.57	.71	.85
	4000	1890	124.7	36.5	10.03	.58	.73	.88	120.0	35.2	11.04	.59	.74	.89	115.0	33.7	12.22	.60	.76	.91	109.5	32.1	13.57	.61	.78	.94
	4800	2265	127.5	37.4	10.12	.61	.78	.94	122.7	36.0	11.14	.62	.80	.96	117.5	34.4	12.30	.63	.82	.98	112.0	32.8	13.64	.65	.84	1.00
71°F (22°C)	3200	1510	128.5	37.7	10.14	.42	.53	.65	123.7	36.3	11.16	.42	.54	.66	118.7	34.8	12.33	.42	.55	.67	113.3	33.2	13.67	.42	.56	.69
	4000	1890	132.3	38.8	10.25	.43	.57	.71	127.4	37.3	11.27	.43	.58	.72	122.0	35.8	12.45	.43	.59	.74	116.3	34.1	13.78	.44	.60	.76
	4800	2265	135.0	39.6	10.34	.44	.60	.76	129.8	38.0	11.35	.44	.61	.78	124.3	36.4	12.52	.45	.62	.80	118.3	34.7	13.86	.45	.64	.82

LSA120C — CB17/CBH17-135V COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	3200	1510	114.5	33.6	8.81	.71	.84	.96	110.6	32.4	9.75	.72	.86	.97	106.3	31.2	10.83	.74	.87	.99	101.8	29.8	12.06	.75	.89	1.00
	4000	1890	118.8	34.8	8.93	.76	.91	1.00	114.7	33.6	9.86	.78	.93	1.00	110.4	32.4	10.93	.79	.94	1.00	105.7	31.0	12.15	.81	.96	1.00
	4800	2265	122.5	35.9	9.00	.81	.96	1.00	118.3	34.7	9.94	.83	.98	1.00	113.9	33.4	11.02	.84	.99	1.00	109.4	32.1	12.25	.86	1.00	1.00
67°F (19°C)	3200	1510	121.5	35.6	8.98	.56	.69	.81	117.3	34.4	9.91	.57	.70	.82	112.8	33.1	10.99	.57	.71	.84	107.8	31.6	12.24	.58	.72	.86
	4000	1890	125.4	36.8	9.07	.59	.74	.88	120.9	35.4	10.02	.60	.75	.90	116.2	34.1	11.09	.61	.77	.91	111.0	32.5	12.32	.62	.79	.93
	4800	2265	128.2	37.6	9.15	.62	.79	.94	123.6	36.2	10.08	.63	.81	.96	118.7	34.8	11.15	.64	.82	.97	113.3	33.2	12.40	.65	.84	.99
71°F (22°C)	3200	1510	129.4	37.9	9.17	.42	.54	.66	124.9	36.6	10.11	.43	.55	.67	120.0	35.2	11.19	.43	.56	.68	114.8	33.6	12.44	.43	.57	.70
	4000	1890	133.2	39.0	9.27	.43	.58	.72	128.4	37.6	10.20	.44	.58	.73	123.3	36.1	11.29	.44	.59	.75	117.8	34.5	12.52	.44	.61	.76
	4800	2265	135.8	39.8	9.33	.45	.61	.77	130.8	38.3	10.28	.45	.62	.79	125.5	36.8	11.35	.45	.63	.80	119.9	35.1	12.59	.46	.64	.82

LSA180C - CB17/CBH17-185 COOLING CAPACITY - ONE COMPRESSOR OPERATING

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			65°F (18°C)						75°F (24°C)						85°F (29°C)						95°F (35°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	2265	4800	28.1	96,000	6390	.66	.83	.98	26.9	91,700	6990	.68	.86	1.0	25.6	87,300	7560	.69	.89	1.0	24.3	82,800	8090	.71	.92	1.0
	2830	6000	29.3	99,900	6500	.72	.93	1.0	28.0	95,400	7130	.74	.95	1.0	26.7	91,100	7720	.77	.98	1.0	25.4	86,600	8280	.8	1.0	1.0
	3400	7200	30.2	103,200	6600	.79	.99	1.0	29.0	99,000	7250	.82	1.0	1.0	27.7	94,600	7880	.85	1.0	1.0	26.4	90,200	8470	.88	1.0	1.0
67°F (19°C)	2265	4800	29.9	101,900	6550	.52	.64	.78	28.5	97,300	7190	.52	.66	.81	27.1	92,500	7780	.53	.67	.84	25.7	87,600	8340	.54	.69	.88
	2830	6000	30.8	105,000	6640	.55	.70	.89	29.4	100,200	7290	.56	.71	.92	27.9	95,200	7900	.57	.74	.95	26.4	90,100	8470	.58	.77	.97
	3400	7200	31.4	107,300	6710	.58	.77	.97	30.0	102,300	7380	.59	.79	.99	28.5	97,400	8000	.61	.82	1.0	27.0	92,200	8570	.62	.86	1.0
71°F (22°C)	2265	4800	31.9	108,700	6740	.38	.50	.62	30.4	103,800	7420	.39	.51	.63	28.9	98,700	8050	.39	.52	.65	27.4	93,500	8640	.39	.53	.67
	2830	6000	32.7	111,600	6830	.4	.54	.68	31.2	106,500	7520	.4	.55	.69	29.7	101,200	8160	.41	.56	.71	28.0	95,700	8750	.41	.57	.74
	3400	7200	33.3	113,600	6890	.41	.57	.74	31.7	108,300	7580	.41	.59	.77	30.1	102,800	8230	.42	.60	.80	28.5	97,300	8830	.43	.62	.83

LSA180C - CB17/CBH17-185 COOLING CAPACITY - BOTH COMPRESSORS OPERATING

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	2265	4800	50.3	171,800	14180	.71	.86	.98	47.8	163,000	15150	.72	.88	.99	45.1	154,000	16050	.74	.91	1.0	42.4	144,600	16880	.76	.94	1.0
	2830	6000	52.7	179,900	14510	.76	.93	1.0	50.1	170,800	15520	.78	.96	1.0	47.4	161,700	16490	.81	.97	1.0	44.6	152,200	17380	.84	.98	1.0
	3400	7200	54.7	186,700	14780	.82	.97	1.0	52.0	177,500	15850	.84	.99	1.0	49.2	167,900	16840	.88	1.0	1.0	46.3	158,000	17760	.91	1.0	1.0
67°F (19°C)	2265	4800	53.7	183,400	14640	.56	.68	.81	51.0	174,000	15680	.57	.70	.84	48.1	164,100	16620	.57	.71	.87	45.1	153,800	17480	.59	.73	.91
	2830	6000	55.8	190,300	14920	.58	.73	.90	52.8	180,300	15980	.6	.75	.93	49.8	170,000	16940	.61	.78	.95	46.6	159,100	17830	.62	.81	.97
	3400	7200	57.3	195,400	15130	.61	.79	.96	54.2	185,100	16200	.63	.82	.97	51.1	174,400	17190	.64	.85	.98	47.9	163,300	18100	.66	.88	1.0
71°F (22°C)	2265	4800	57.6	196,400	15160	.42	.54	.65	54.6	186,400	16260	.42	.55	.67	51.6	176,000	17280	.43	.56	.69	48.4	165,100	18200	.43	.57	.71
	2830	6000	59.5	203,100	15430	.43	.57	.71	56.4	192,500	16540	.43	.58	.72	53.2	181,500	17580	.44	.59	.75	49.8	170,000	18520	.44	.61	.78
	3400	7200	60.8	207,600	15600	.44	.60	.76	57.6	196,700	16740	.45	.62	.79	54.3	185,300	17780	.45	.63	.82	50.8	173,500	18730	.46	.65	.86

COOLING RATINGS

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
All values are gross capacities and do not include evaporator coil blower motor heat deduction.

LSA180C — (TWO) CB17/CBH17-95's COOLING CAPACITY - ONE COMPRESSOR OPERATING

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																			
			65°F (18°C)						75°F (24°C)						85°F (29°C)						95°F (35°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	2265	4800	29.0	98,800	6000	.67	.79	.91	27.6	94,200	6590	.68	.81	.93	26.3	89,600	7140	.69	.83	.95	24.8	84,700	7660	.7	.85	.97
	2830	6000	30.2	103,200	6090	.7	.85	.97	28.8	98,300	6710	.72	.87	.99	27.4	93,400	7290	.74	.89	1.0	25.9	88,400	7820	.76	.92	1.0
	3400	7200	31.2	106,500	6170	.75	.91	1.0	29.7	101,500	6810	.77	.93	1.0	28.3	96,500	7400	.79	.95	1.0	26.8	91,400	7960	.81	.98	1.0
67°F (19°C)	2265	4800	31.0	105,800	6150	.53	.64	.75	29.6	101,000	6790	.54	.65	.77	28.1	96,000	7380	.54	.66	.79	26.6	90,900	7930	.55	.68	.81
	2830	6000	32.2	110,000	6250	.55	.68	.81	30.7	104,800	6900	.56	.69	.83	29.2	99,500	7510	.57	.71	.86	27.5	94,000	8080	.58	.73	.88
	3400	7200	33.1	112,900	6310	.57	.72	.87	31.5	107,500	6980	.58	.74	.90	29.9	102,000	7600	.6	.76	.92	28.2	96,300	8180	.61	.79	.95
71°F (22°C)	2265	4800	33.1	113,100	6320	.41	.51	.61	31.7	108,100	6990	.41	.52	.62	30.1	102,800	7630	.41	.52	.64	28.5	97,400	8220	.41	.53	.65
	2830	6000	34.4	117,300	6410	.41	.53	.65	32.8	111,900	7100	.42	.54	.67	31.2	106,300	7760	.42	.55	.68	29.5	100,500	8360	.42	.56	.70
	3400	7200	35.2	120,200	6480	.42	.56	.70	33.6	114,500	7180	.43	.57	.72	31.9	108,700	7840	.43	.58	.74	30.1	102,700	8450	.44	.60	.76

LSA180C — (TWO) CB17/CBH17-95's COOLING CAPACITY - BOTH COMPRESSORS OPERATING

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																			
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	2265	4800	51.6	176,000	14450	.69	.83	.95	48.8	166,500	15460	.71	.85	.97	46.0	156,800	16390	.73	.87	.99	43.0	146,700	17250	.75	.90	1.0
	2830	6000	53.8	183,600	14730	.74	.89	1.0	50.9	173,700	15800	.76	.92	1.0	47.9	163,600	16780	.78	.94	1.0	44.9	153,200	17690	.81	.97	1.0
	3400	7200	55.6	189,700	14980	.79	.95	1.0	52.7	179,800	16070	.81	.97	1.0	49.7	169,600	17110	.84	.99	1.0	46.9	159,900	18100	.87	1.0	1.0
67°F (19°C)	2265	4800	55.3	188,800	14930	.55	.67	.79	52.3	178,600	16030	.56	.68	.81	49.3	168,100	17030	.56	.70	.84	46.1	157,200	17930	.58	.72	.87
	2830	6000	57.4	195,700	15200	.57	.71	.86	54.2	185,000	16320	.58	.73	.88	51.0	173,900	17340	.6	.76	.91	47.6	162,400	18280	.61	.78	.94
	3400	7200	58.8	200,500	15400	.6	.76	.92	55.5	189,500	16520	.61	.79	.94	52.2	178,100	17570	.63	.81	.97	48.7	166,200	18520	.65	.85	.99
71°F (22°C)	2265	4800	59.2	202,100	15450	.42	.53	.64	56.1	191,400	16620	.42	.54	.65	52.9	180,500	17700	.42	.55	.67	49.5	169,000	18680	.42	.56	.69
	2830	6000	61.3	209,100	15720	.42	.56	.69	58.0	197,800	16900	.43	.57	.71	54.6	186,200	18000	.43	.58	.73	51.0	174,000	19000	.44	.60	.76
	3400	7200	62.7	213,800	15900	.43	.59	.74	59.3	202,200	17100	.44	.60	.76	55.7	190,100	18210	.44	.62	.79	52.0	177,500	19230	.45	.64	.82

LSA240C - CB17-275 COOLING CAPACITY - ONE COMPRESSOR OPERATING

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																			
			65°F (18°C)						75°F (24°C)						85°F (29°C)						95°F (35°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	3020	6400	38.9	132,900	8340	.64	.78	.91	37.3	127,300	9110	.65	.79	.93	35.5	121,000	9830	.66	.82	.96	33.5	114,300	10530	.68	.84	.98
	3775	8000	40.6	138,500	8510	.68	.85	.98	38.8	132,400	9290	.7	.87	1.0	36.8	125,700	10040	.72	.90	1.0	34.8	118,900	10770	.74	.93	1.0
	4530	9600	41.9	142,900	8620	.74	.92	1.0	40.0	136,400	9430	.76	.94	1.0	38.0	129,600	10210	.78	.97	1.0	36.1	123,100	10960	.81	.99	1.0
67°F (19°C)	3020	6400	41.5	141,700	8590	.51	.62	.74	39.7	135,400	9390	.51	.63	.75	37.7	128,500	10160	.52	.64	.78	35.6	121,500	10890	.53	.65	.80
	3775	8000	43.0	146,700	8730	.53	.66	.81	41.0	139,800	9550	.54	.67	.83	38.9	132,600	10330	.55	.69	.86	36.8	125,400	11080	.56	.72	.89
	4530	9600	44.0	150,200	8830	.56	.71	.88	41.9	143,000	9660	.57	.73	.91	39.7	135,500	10460	.58	.76	.94	37.6	128,300	11220	.59	.78	.96
71°F (22°C)	3020	6400	44.3	151,100	8850	.39	.49	.59	42.2	144,100	9690	.39	.50	.60	40.1	136,900	10510	.39	.50	.62	38.1	129,900	11280	.39	.51	.63
	3775	8000	45.7	155,900	8980	.4	.52	.64	43.5	148,500	9850	.4	.53	.65	41.3	140,900	10670	.4	.54	.67	39.2	133,800	11460	.41	.55	.69
	4530	9600	46.7	159,200	9080	.41	.54	.69	44.4	151,400	9950	.41	.56	.71	42.1	143,700	10780	.41	.57	.73	39.9	136,300	11580	.42	.58	.76

LSA240C - CB17/CBH17-275 COOLING CAPACITY - BOTH COMPRESSORS OPERATING

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																			
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	3020	6400	70.2	239,500	19820	.7	.84	.97	66.3	226,200	21230	.72	.87	1.0	62.5	213,100	22580	.74	.90	1.0	59.1	201,700	23830	.76	.93	1.0
	3775	8000	72.9	248,700	20240	.75	.92	1.0	68.9	235,200	21710	.78	.95	1.0	65.3	222,800	23080	.8	.97	1.0	62.1	211,800	24410	.83	1.0	1.0
	4530	9600	75.1	256,400	20570	.81	.98	1.0	71.4	243,500	22090	.84	1.0	1.0	67.9	231,700	23550	.87	1.0	1.0	65.1	222,100	24940	.89	1.0	1.0
67°F (19°C)	3020	6400	74.5	254,200	20470	.55	.68	.81	70.5	240,400	21940	.56	.69	.83	66.6	227,400	23340	.57	.71	.86	63.4	216,200	24630	.58	.73	.88
	3775	8000	76.8	262,200	20810	.58	.73	.89	72.7	248,000	22320	.59	.75	.92	68.8	234,900	23740	.61	.77	.94	65.6	224,000	25050	.62	.80	.96
	4530	9600	78.5	268,000	21060	.61	.79	.96	74.4	253,700	22600	.63	.81	.98	70.6	240,800	24040	.64	.84	1.0	67.4	230,100	25360	.66	.86	1.0
71°F (22°C)	3020	6400	79.4	270,800	21170	.41	.53	.65	75.3	256,900	22730	.42	.54	.67	71.6	244,300	24210	.42	.55	.68	68.6	234,000	25560	.42	.56	.70
	3775	8000	81.6	278,600	21490	.42	.57	.71	77.5	264,400	23080	.43	.58	.73	73.8	251,700	24570	.43	.59	.75	70.8	241,700	25940	.44	.60	.76
	4530	9600	83.2	284,000	21710	.44	.60	.77	79.0	269,400	23320	.44	.62	.79	75.2	256,700	24830	.45	.63	.81	72.4	246,900	26200	.45	.64	.83

COOLING RATINGS

NOTE - For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
All values are gross capacities and do not include evaporator coil blower motor heat deduction.

LSA240C — (TWO) CB17/CBH17-135's COOLING CAPACITY - ONE COMPRESSOR OPERATING

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																			
			65°F (18°C)						75°F (24°C)						85°F (29°C)						95°F (35°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	3020	6400	39.1	133,400	8280	.68	.80	.92	37.4	127,600	9040	.69	.82	.93	35.5	121,000	9770	.7	.84	.96	33.5	114,200	10470	.72	.86	.98
	3775	8000	40.7	139,000	8430	.72	.86	.98	38.9	132,600	9220	.73	.88	.99	36.8	125,700	9980	.75	.90	1.0	34.8	118,800	10680	.77	.93	1.0
	4530	9600	42.0	143,300	8550	.76	.92	1.0	40.0	136,600	9360	.78	.94	1.0	38.0	129,500	10130	.8	.96	1.0	36.0	122,700	10870	.83	.98	1.0
67°F (19°C)	3020	6400	41.7	142,400	8530	.54	.65	.77	39.9	136,000	9330	.55	.66	.78	37.8	128,900	10100	.56	.68	.80	35.7	121,800	10840	.56	.69	.83
	3775	8000	43.3	147,600	8670	.56	.70	.83	41.2	140,500	9490	.57	.71	.85	39.0	133,100	10280	.58	.73	.87	36.9	125,800	11020	.59	.75	.90
	4530	9600	44.3	151,200	8770	.59	.74	.89	42.1	143,700	9600	.6	.76	.91	39.9	136,000	10400	.61	.78	.93	37.7	128,700	11160	.62	.80	.96
71°F (22°C)	3020	6400	44.5	151,700	8780	.42	.52	.63	42.4	144,600	9630	.42	.53	.64	40.2	137,200	10450	.42	.54	.65	38.2	130,200	11230	.42	.55	.67
	3775	8000	46.0	156,800	8920	.42	.55	.67	43.7	149,100	9790	.43	.56	.69	41.5	141,500	10620	.43	.57	.71	39.3	134,200	11410	.43	.58	.72
	4530	9600	47.0	160,300	9020	.43	.57	.72	44.6	152,300	9900	.43	.59	.74	42.3	144,300	10730	.44	.60	.76	40.2	137,000	11540	.45	.61	.78

LSA240C — (TWO) CB17/CBH17-135's COOLING CAPACITY - BOTH COMPRESSORS OPERATING

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																			
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	3020	6400	70.2	239,400	19780	.71	.84	.95	66.2	226,000	21240	.72	.86	.97	62.3	212,500	22650	.74	.88	.99	58.8	200,500	23950	.76	.91	1.0
	3775	8000	72.9	248,700	20180	.75	.90	1.0	68.9	235,000	21690	.77	.92	1.0	65.0	221,700	23130	.8	.95	1.0	61.6	210,100	24490	.82	.97	1.0
	4530	9600	75.1	256,400	20490	.8	.95	1.0	71.1	242,600	22040	.82	.98	1.0	67.4	229,900	23550	.85	.99	1.0	64.3	219,400	24990	.87	1.0	1.0
67°F (19°C)	3020	6400	74.8	255,100	20430	.56	.68	.80	70.7	241,200	21980	.57	.70	.82	66.7	227,700	23430	.57	.71	.85	63.2	215,800	24790	.58	.73	.87
	3775	8000	77.3	263,600	20780	.58	.73	.87	73.0	249,000	22350	.59	.75	.89	69.0	235,500	23830	.61	.77	.92	65.6	223,800	25210	.62	.79	.94
	4530	9600	79.0	269,700	21020	.61	.78	.93	74.7	254,800	22610	.63	.80	.95	70.7	241,100	24130	.64	.83	.97	67.3	229,700	25520	.65	.85	.99
71°F (22°C)	3020	6400	79.7	271,800	21100	.42	.54	.66	75.5	257,700	22730	.42	.55	.67	71.7	244,600	24280	.43	.56	.68	68.5	233,700	25720	.43	.57	.70
	3775	8000	82.2	280,500	21430	.43	.57	.71	77.9	265,700	23100	.44	.58	.72	74.0	252,400	24680	.44	.59	.74	70.9	241,900	26120	.44	.60	.76
	4530	9600	83.9	286,300	21660	.44	.60	.76	79.5	271,300	23340	.45	.61	.78	75.6	258,100	24930	.45	.63	.80	72.5	247,500	26400	.46	.64	.82