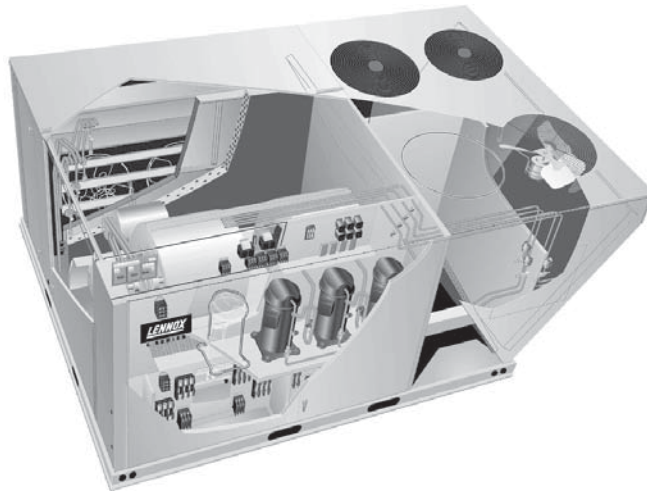


180, 210, 240, 300 & 360 Models

15 to 30 (45.7 to 105.5 kW) Ton Cooling Capacity

15 to 120 kW Optional Electric Heat



FEATURES

- ◆ Down flow or horizontal supply and return air configuration
- ◆ E.T.L. and C.S.A. listed, efficiency rating verified by C.S.A., components bonded for grounding to meet safety standards for servicing required by UL/CSA, and National and Canadian Electrical Codes.
- ◆ 180 through 240 models are certified in accordance with ULE certification program which is based on ARI Standard 340/360-2000.
- ◆ 300 and 360 models are tested at conditions included in ARI Standard 340/360-2000.
- ◆ Electrical lines can be brought through the unit base or through horizontal access knock-outs
- ◆ Heavy gauge steel cabinet, all panels adjacent to conditioned air are insulated, enamel paint finish, full perimeter base rail with rigging holes
- ◆ Hinged access panels are provided for 2 compressor/control/heating areas, blower access and airfilter/economizer access. All panels have seals and quarter-turn latching handles to provide a tight air and water seal.
- ◆ Coil constructed of ripple-edged enhanced aluminum fins on copper tubing, flared shoulder tubing connections, silver soldered construction, factory tested, indoor coil drain connection extends outside of unit cabinet
- ◆ Copeland Scroll compressors resiliently mounted on rubber grommets for quiet operation.
- ◆ Integrated Modular Control (IMC) - solid state board contains all controls and control relays to operate unit
- ◆ Color coded and labeled wiring
- ◆ Outdoor coil fan - PVC coated fan guard furnished
- ◆ Outdoor coil fan motor-overload protected, permanently lubricated, equipped with ball bearings, shaft up, wire basket mount
- ◆ Supply Air Blower belt drive with ball bearings and adjustable pulley for speed change, forward curved blades, blower wheel statically and dynamically balanced, slides out for service
- ◆ Supply Air Motor - overload protected, equipped with ball bearings
- ◆ Disposable 2" pleated filters furnished
- ◆ Refrigeration system consists of compressors, condenser coil and direct drive fan, evaporator and belt drive blower, expansion valve with replaceable thermostatic element, high capacity drier, high pressure switch, low pressure switch, full refrigerant charge, crank-case heater, freezestat (prevent coil freeze-up during low ambient operation or loss of air).
- ◆ 1 Year warranty on parts
- ◆ 5 Year warranty on compressor

Model Number Guide

	L	C	-	A	-	300	-	S	2	B	-	1	Y	
Unit Type														Voltage
L = Commercial Package Unit														Y = 208/230v-3 phase-60hz
C = Cooling Only (w/opt Electric Heat)														G = 460v-3 phase-60hz
														J = 575v-3 phase-60hz
Major Design Sequence														Minor Revision Number
Cooling Capacity Tons (kW)														B = Belt Drive
180 = 15 (52.8)														D = Direct Drive
210 = 17.5 (61.5)														
240 = 20 (70.3)														
300 = 25 (87.9)														2 = R22
360 = 30 (105.5)														
Cooling Efficiency														
S = Standard Efficiency														
H = High Efficiency														

Required Options - Items Must be Ordered and Factory Installed

REQUIRED OPTIONS - ITEMS MUST BE ORDERED AND FACTORY INSTALLED

Air Flow Configuration - specify horizontal or down-flow when ordering base unit

Drive Kit - Order one, see Drive Kit Specifications Table

Voltage - specify when ordering base unit

Optional Accessories Field Installed

Item		LCC180	LCC210	LCC240	LCC300	LCA360
Blower Proving Switch - Monitors blower operation, shuts down unit if blower fails		18L89				
Condensate Drain Trap - field installed only, may be factory enclosed to ship with unit	PVC	37K70				
	Copper	48K14				
Dirty Filter Switch - Senses static pressure increase indicating a dirty filter condition		30K48				
Down-Flow Gravity Exhaust Dampers - Aluminum blade dampers prevent blow back and outdoor air infiltration during off cycle, bird screen furnished - Net weight		LAGED18/24 (16K98) 30 lbs. (14 kg)			LAGED30/36 (33K77) 20 lbs. (9 kg)	
Hood for Down-Flow Gravity Exhaust Dampers		LAGEH18/30 (88K80)			LAGEH30H/36 (88K81)	
Economizer - Opposing gear driven recirculated air and outdoor air dampers, plug-in connections to unit, nylon bearings, neoprene seals, 24 volt fully modulating spring return motor, adjustable minimum damper position, damper assembly slides in unit, outdoor air hood must be ordered separately (see below), optional down-flow gravity exhaust dampers available (see below), choice of economizer controls (see below)		LAREMD18/24 (16K95) 180 lbs. (82 kg)			LAREMD30/36 (33K72) 98 lbs. (45 kg)	
Economizer Control Choice - Sensible Control - Furnished on IMC board in unit, uses outdoor air sensor furnished with unit to measure outdoor air temperature and control damper position (Furnished) Global Control - Furnished on IMC board in unit, used with Direct Digital Control (DDC) systems, uses global air sensor to control damper position, determines when to use outdoor air for cooling or set damper at minimum position. (Furnished) Outdoor Enthalpy Control - Adjustable enthalpy sensor, senses outdoor air enthalpy for economizer control, 0 to 100% outdoor air Differential Enthalpy Control - Two solid-state enthalpy sensors allow selection between outdoor air and return air (whichever has lowest enthalpy)		16K96 - Differential 16K97 - Outdoor				
Outdoor Air Damper Section - mechanical dampers, 0 to 25% outdoor air, installs in unit cabinet, outdoor air hood must be ordered separately (see below) - Net Weight	Automatic Operation - Gear driven, adjustable outdoor air, fully modulating spring return damper motor, plug-in connection	LAOADM18/24 (16K94) 50 lbs. (73 kg)			LAOADM30/36 (33K70) 60 lbs. (27 kg)	
	Manual Operation - Linked dampers, adjustable fixed position outdoor air	LAOAD18/24 (16K93) 45 lbs. (20 kg)			LAOAD30/36 (33K69) 55 lbs. (25 kg)	
Outdoor Air Hood - Required with LAREMD18/24 Economizer, LAOAD18/24 and LAOADM18/24 Outdoor Air Damper Sections, three cleanable aluminum mesh fresh air filters furnished - Net Weight		LAOAH18/24 (19K37) 45 lbs. (20 kg)			LAOAH30/36 (33K71) 55 lbs. (25 kg)	
Power Exhaust Fan - Installs external to unit for down-flow applications only with economizer option, provides exhaust air pressure relief, interlocked to run when return air dampers are closed and supply air blower is operating, fan runs when outdoor air dampers are 50% open (adjustable), motor is overload protected, steel cabinet and hood painted to match unit	Model Number - Net Weight	LAPEF18/24 208/230 V (16K89) 460 V (19K03)			LAPEF30/36 208/230 V (33K73) 460V (33K74)	
	Dia. - in. (mm) No. Blades	20 (508) (5)			20 (508) (5)	
	Total air volume - cfm (L/s)	8630 (4070)			12,800 (6040)	
	Motor Horsepower (W)	1/3 (249)			1/3 (249)	
	Total Watts Input	750			1125	

Optional Accessories Field Installed

Item		LCC180	LCC210	LCC240	LCC300	LCA360
Aspiration box - for duct mounting of Indoor Air Quality Sensor		90N43				
Coil Guards - Galvanized steel wire guards to protect outdoor coil. Not used with Hail Guards.		88K52				88K53
Diffusers - Aluminum grilles, large center grille, insulated diffuser box with flanges, hanging rings furnished, interior transition (even air flow), internally sealed (prevents recirculation), adapts to T-bar ceiling grids or plaster ceilings - Net Weight	Step-Down - double deflection louvers	RTD11-185 (29G06) 392 lbs. (178 kg)	RTD11-275 (29G07) 403 lbs. (183 kg)			LARTD30/360 (35K25) 437 lbs. (198 kg)
	Flush - fixed blade louvers	FD11-185 (29G10) 289 lbs. (135 kg)	FD11-275 (29G11) 363 lbs. (165 kg)			LAFD30/36 (35K24) 414 lbs. (188 kg)
Grille Guards - Protects the space between outdoor coils and main cabinet.		72K78				86K30
Hail Guards - Constructed of heavy gauge steel, painted to match cabinet, helps protect outdoor coils from hail damage. Not used with Coil Guards.		88K25				88K26
Horizontal Gravity Exhaust Dampers - Aluminum blade dampers prevent blow back and outdoor air infiltration during off cycle, field installed in return air duct, bird screen furnished - Net Weight		LAGEDH18/24 (16K99) 20 lbs. (9 kg)				LAGEDH30/36 (33K78) 20 lbs. (9 kg)
Horizontal Return Air Panel Kit - Required for horizontal applications with horizontal roof mounting frame, contains panel with return air opening for field replacement of existing unit panel and panel to cover bottom return air opening in unit, see dimension drawings		38K47				38K48
Indoor Air Quality (CO2) Sensor Monitors CO2 levels, reports to Integrated Modular Control (IMC) board which adjusts economizer dampers as needed	CO2 Sensor Duct Mounting Kit	85L43				
	Sensor - white case CO2 display	77N39				
	Sensor - white case no display	87N53				
	Sensor - black case CO2 display	87N52				
	Sensor - duct mount, black, no display	87N54				
	Handheld CO2 Monitor	70N93				
Insulation Kit - helps prevent sweating on horizontal roof mounting frames	26 inch (660 mm) frames	73K32				—
	30 inch (762 mm) frames	—	73K33			
	37 inch (940 mm) frames	73K34				—
	41 inch (1041 mm) frames	—	73K35			

Optional Accessories Field Installed

Item		LCC180	LCC210	LCC240	LCC300	LCA360
Roof Mounting Frame - Nailer strip furnished, mates to unit, U.S. National Roofing Contractors Approved, shipped knocked down - Net Weight	14 inch (356 mm) height	LARMF18/36-14 (16K87) 160 lbs. (73 kg)				
	24 inch (610 mm) height	LARMF18/36-24 (16K88) 220 lbs. (100 kg)				
Roof Mounting Frame (Horizontal) - Nailer strip furnished, mates to unit, converts unit from down-flow to horizontal (side) air flow, shipped knocked down, return air is on unit, supply air is on frame, see dimension drawings. Frames for rooftop applications meet National Roofing Code requirements. Requires Horizontal Return Air Panel, see above - Net Weight	26 in. (660 mm) height (for slab applications)	LARMFH18/24-26 (97J33) 420 lbs. (191 kg)				—
	30 in. (762 mm) height (for slab applications)	—	1LARMFH30/36-30 (33K79) 445 lbs. (202 kg)			
	37 in. (940 mm) height (for rooftop applications)	LARMFH18/24-37 (38K53) 580 lbs. (263 kg)				—
	41 in. (1041 mm) height (for rooftop applications)	—	1LARMFH30/36-41 (38K54) 725 lbs. (329 kg)			
Transitions (Supply and Return) - Used with diffusers, installs in roof mounting frame, galvanized steel construction, flanges furnished for duct connection, fully insulated		LASRT18 (19K01) 80 lbs. (36 kg)	LASRT21/24 (19K02) 75 lbs. (34 kg)			LARST30/36 (33K80) 85 lbs. (39 kg)
Vertical Vent Extension Kit - to exhaust flue gases vertically above unit (LGA Models Only)		LB-94710A (40L80)				
Smoke Detector - Photoelectric type, installed in supply air section or return air section or both sections	Supply	16M24				
	Return	16M23				
Electric Heat (EHA) - helix wound nichrome elements, time delay for element staging, individual element limit controls (45, 60, 90 and 120 kW), may be two-stage controlled, wiring harness furnished, requires Electric Heat Control Module, Fuse Block and Terminal Block (LCA Models Only)		See Electric Heat Tables				
Electric Heat Control Module - Required with 45, 60 and 90 kW electric heaters, provides control of second stage heating		See Optional Electric Heat Accessories				
Electric Heat Fuse Block - Required with electric heat, mounting screws furnished						
Electric Heat LTB2 Terminal Block - Required with electric heat						

¹Either LARMFH30/36-30(-41) or LARMFH18/24-26(-37) roof mounting frames may be used for the 300 models, however, the smaller frames (LARMF18/24) will increase static pressure.

Specifications

Model No.				LCC180	LCC210	LCC240
Efficiency Type				Standard	Standard	Standard
Cooling Ratings	Nominal Tonnage			15	17.5	20
	Number and Type of Compressors			(3) Scroll	(4) Scroll	(4) Scroll
	Gross Cooling Capacity - Btuh (kW)			186,000 (54.5)	212,000 (62.1)	243,000 (71.2)
	1Net Cooling Capacity - Btuh (kW)			180,000 (52.7)	204,000 (59.8)	234,000 (68.60)
	Total Unit Power (kW)			18.0	20.4	24.1
	1EER (Btuh/Watt)			10.0	10.0	9.7
	2Integrated Part Load Value (Btuh/Watt)			10.6	10.5	10.0
Refrigerant Charge Furnished (HCFC-22)		Circuit 1		9 lbs. 0 oz. (4.08 kg)	7 lbs. 0 oz. (3.18 kg)	11 lbs. 0 oz. (4.99 kg)
		Circuit 2		9 lbs. 0 oz. (4.08 kg)	7 lbs. 0 oz. (3.18 kg)	11 lbs. 0 oz. (4.99 kg)
		Circuit 3		9 lbs. 0 oz. (4.08 kg)	7 lbs. 0 oz. (3.18 kg)	11 lbs. 0 oz. (4.99 kg)
Evaporator Blower and Drive Selection	Blower wheel nominal dia. x width - in. (mm)			(2) 15 x 15 (381 x 381)		
	3 hp (2.2 kW) Motor & Drives	Motor Output - hp (kW)	3Nominal	3 (2.2)	3 (2.2)	---
			Max. usable	3.45 (2.6)	3.45 (2.6)	---
		(Drive kit #) RPM range		(A) 535-725 (1) 685-865 (2) 685-865		
	5 hp (3.7 kW) Motor & Drives	Motor Output - hp (kW)	3Nominal	5 (3.7)	5 (3.7)	5 (3.7)
			Max. usable	5.75 (4.3)	5.75 (4.3)	5.75 (4.3)
		(Drive kit #) RPM range		(2) 685-865 (3) 850-1045 (4) 945-1185		
	7.5 hp (5.6 kW) Motor & Drives	Motor Output - hp (kW)	3Nominal	7.5 (5.6)	7.5 (5.6)	7.5 (5.6)
			Max. usable	8.64 (6.4)	8.64 (6.4)	8.64 (6.4)
		(Drive kit #) RPM range		(5) 945-1185 (6) 1045-1285 (7) 850-1045		
	10 hp (7.5 kW) Motor & Drives	Motor Output - hp (kW)	3Nominal	---	---	10 (7.5)
			Max. usable	---	---	11.5 (8.6)
(Drive kit #) RPM range		--	---	(6) 1045-1285 (8) 1135-1365		
Evaporator Coil	Net face area - sq. ft. (m²)			22.3 (2.07)		
	Tube diameter - in. (mm) & No. of rows			3/8 (9.5)		
	Fins per inch (m)			14 (551)		
	Drain connection no. & size - in. (mm) fpt			(1) 1 in. NPT coupling		
	Expansion device type			Balanced Port Thermostatic Expansion Valve, removeable power head		
Condenser Coil	Net face area - sq. ft. (m²)			56.5 (5.25)		
	Tube diameter - in. (mm) & No. of rows			3/8 (9.5) 1		3/8 (9.5) 2
	Fins per inch (m)			20 (787)		
Condenser Fans	Diameter - in. (mm) & No. of blades			(4) 24 (610)		
	Total air volume - cfm (L/s)			15,850 (7480)		15,450 (7290)
	Motor horsepower (W)			(4) 1/3 (249)		
	Motor rpm			1075	1075	1075
	Total Motor watts			1370		1395
Filters (furnished)	Type of filter			Disposable, pleated MERV 7 (Minimum Efficiency Reporting Value based on ASHRAE 52.2)		
	No. and size - in. (mm)			(6) 24 x 24 x 2 (610 x 610 x 51)		
Electrical characteristics				208/230V, 460V or 575V-60 Hz-3 Ph		

¹Certified in accordance with the ULE certification program, which is based on ARI Standard 340/360; 95°F (35°C) outdoor air temperature and 80°F (27°C) db/67°F (19°C) wb entering evaporator air; minimum external duct static pressure.

²Integrated Part Load Value tested at 80°F (27°C) outdoor air temperature.

NOTE - Net capacity is net and includes evaporator blower motor heat deduction. Gross capacity does not include evaporator blower motor heat deduction.

³Using total air volume and system static pressure requirements determine from blower performance tables rpm and motor output required. Maximum usable output of motors furnished. In Canada, nominal motor output is also maximum usable motor output. If motors of comparable output are used, be sure to keep within the service factor limitations outlined on the motor nameplate.

Specifications

Model No.				LCC300		LCA360		
Cooling Ratings	Nominal Tonnage			25		30		
	Number and Type of Compressors			(4) Scroll		(3) Scroll		
	Gross Cooling Capacity - Btuh (kW)			302,000 (88.5)		355,000 (104.0)		
	¹Net Cooling Capacity - Btuh (kW)			286,000 (83.8)		336,000 (98.4)		
	Total Unit Power (kW)			30.1		33.6		
	¹EER (Btuh/Watt)			9.5		10.0		
	²Integrated Part Load Value (Btuh/Watt)			9.7		10.4		
Refrigerant Charge Furnished (HCFC-22)			Circuit 1		11 lbs. 4 oz. (5.10 kg)		18 lbs. 0 oz. (8.16 kg)	
			Circuit 2		11 lbs. 4 oz. (5.10 kg)		18 lbs. 0 oz. (8.16 kg)	
			Circuit 3		11 lbs. 4 oz. (5.10 kg)		18 lbs. 0 oz. (8.16 kg)	
			Circuit 4		11 lbs. 4 oz. (5.10 kg)		----	
Evaporator Blower and Drive Selection	Blower wheel nominal dia. x width - in. (mm)			(2) 15 x 15 (381 x 381)		(2) 18 x 15 (457 x 381)		
	5 hp (3.7 kW) Motor & Drives	Motor Output - hp (kW)	³Nominal	5 (3.7)				
			Max. usable	5.75 (4.3)				
		(Drive kit #) RPM range		(2) 685-865 (3) 850-1045 (4) 945-1185		(1) 660-810 (2) 770-965		
	7.5 hp (5.6 kW) Motor & Drives	Motor Output - hp (kW)	³Nominal	7.5 (5.6)				
			Max. usable	8.63 (6.4)				
		(Drive kit #) RPM range		(5) 945-1185 (6) 1045-1285 (7) 850-1045		(3) 715-880 (4) 770-965		
	10 hp (7.5 kW) Motor & Drives	Motor Output - hp (kW)	³Nominal	10 (7.5)				
			Max. usable	11.5 (8.6)				
(Drive kit #) RPM range		(6) 1045-1285 (8) 1135-1365		(3) 715-880 (5) 850-1045				
Evaporator Coil	Net face area - sq. ft. (m²)			22.3 (2.07)		33.3 (3.1)		
	Tube diameter - in. (mm) & No. of rows			3/8 (9.5) 4		3/8 (9.5) 3		
	Fins per inch (m)			14 (551)		14 (551)		
	Drain connection no. & size - in. (mm)			(1) 1 in. NPT coupling				
	Expansion device type			Balanced Port Thermostatic Expansion Valve, removeable power head				
Condenser Coil	Net face area - sq. ft. (m²)			56.5 (5.25)		70.6 (6.6)		
	Tube diameter - in. (mm) & No. of rows			3/8 (9.5) 2		3/8 (9.5) 2		
	Fins per inch (m)			20 (787)		16 (630)		
Condenser Fans	Diameter - in. (mm) & No. of blades			(4) 24 (610)		(6) 24 (610)		
	Total air volume - cfm (L/s)			16,000 (7550)		21,500 (10,145)		
	Motor horsepower (W)			(4) 1/2 (373)		(6) 1/3 (249)		
	Motor rpm			1075				
	Total Motor watts			1800		2170		
Filters (furnished)	Type of filter			Disposable, pleated MERV 7 (Minimum Efficiency Reporting Value based on ASHRAE 52.2)				
	No. and size - in. (mm)			(6) 24 x 24 x 2 (610 x 610 x 51)		(12) 20 x 20 x 2 (508 x 508 x 51)		
Electrical characteristics				208/230V, 460V or 575V-60 Hz-3 Ph				

¹Certified in accordance with the ULE certification program, which is based on ARI Standard 340/360; 95°F (35°C) outdoor air temperature and 80°F (27°C) db/67°F (19°C) wb entering evaporator air; minimum external duct static pressure.

²Integrated Part Load Value tested at 80°F (27°C) outdoor air temperature.

NOTE - Net capacity includes evaporator blower motor heat deduction. Gross capacity does not include evaporator blower motor heat deduction.

³Using total air volume and system static pressure requirements determine from blower performance tables rpm and motor output required. Maximum usable output of motors furnished. In Canada, nominal motor output is also maximum usable motor output. If motors of comparable output are used, be sure to keep within the service factor limitations outlined on the motor nameplate.

Weight Data**LCC180-300**

Model No.	Net		Shipping	
	lbs.	kg	lbs.	kg
180 Base Unit	2300	1045	2500	1135
180 Max. Unit	2490	1129	2690	1220
210 Base Unit	2430	1100	2620	1188
210 Max. Unit	2620	1188	2820	1297
240 Base Unit	2480	1125	2680	1216
240 Max. Unit	2670	1211	2870	1301
300 Base Unit	2480	1125	2680	1216
300 Max. Unit	2670	1211	2870	1301
Optional Accessory Ship Weights - Add to base unit weight				
Electric Heat	See Electric Heat Rating Tables			
Economizer	73	33		
Outdoor Air Damper	45	20		
Power Exhaust	62	19		
LTL Packaging (less than truck load)	280	127		

LCA360

Model No.	Net		Shipping	
	lbs.	kg	lbs.	kg
360 Base Unit	3220	1461	3430	1556
360 Max. Unit	3580	1624	3790	1719
Optional Accessory Ship Weights - Add to base unit weight				
Electric Heat	See Electric Heat Rating Tables			
Economizer	98	44		
Outdoor Air Damper	55	25		
Power Exhaust	90	41		
LTL Packaging (less than truck load)	300	136		

Electrical Data - LCC180

Model No.			LCC180								
Line voltage data - 60 Hz - 3 phase			208/230v			460v			575v		
Compressors (3)	Rated load amps each (total)		15.4 (46.2)			7.4 (22.2)			5.9 (17.7)		
	Locked rotor amps each (total)		124 (372)			59.6 (178.8)			49.4 (148.2)		
Condenser Fan Motors (4)	Full load amps each (total)		2.4 (9.6)			1.3 (5.2)			1.0 (4.0)		
	Locked rotor amps each (total)		4.7 (18.8)			2.4 (9.6)			1.9 (7.6)		
Evaporator Blower Motor	Motor Output	hp	3	5	7.5	3	5	7.5	3	5	7.5
		kW	2.2	3.7	5.6	2.2	3.7	5.6	2.2	3.7	5.6
	Full load amps		10.6	16.7	24.2	4.8	7.6	11.0	3.9	6.1	9.0
	Locked rotor amps		66	105	152	26.8	45.6	66.0	23.4	36.6	54.0
Recommended maximum fuse size (amps)	With Exhaust Fans		90	90	110	40	45	50	35	35	40
	Less Exhaust Fans		80	90	110	40	40	50	30	35	40
†Minimum Circuit Ampacity	With Exhaust Fans		76	82	89	37	40	43	30	32	35
	Less Exhaust Fans		71	77	84	35	37	41	28	30	33
Optional Power Exhaust Fans	(No.) Horsepower (W)		(2) 1/3 (249)			(2) 1/3 (249)			(2) 1/3 (249)		
	Full load amps (total)		4.8			2.6			2.0		
	Locked rotor amps (total)		9.4			4.8			3.8		
Service Outlet (2) 115 volt GFCI (amp rating)			15			15			15		

†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.

Electrical Data - LCC210

Model No.			LCC210								
Line voltage data - 60 Hz - 3 phase			208/230v			460v			575v		
Compressors (4)	Rated load amps each (total)		14.7 (58.8)			7.1 (28.4)			5.8 (23.2)		
	Locked rotor amps each (total)		91 (364)			50 (200)			37 (148)		
Condenser Fan Motors (4)	Full load amps each (total)		2.4 (9.6)			1.3 (5.2)			1.0 (4.0)		
	Locked rotor amps each (total)		4.7 (18.8)			2.4 (9.6)			1.9 (7.6)		
Evaporator Blower Motor	Motor Output	hp	3	5	7.5	3	5	7.5	3	5	7.5
		kW	2.2	3.7	5.6	2.2	3.7	5.6	2.2	3.7	5.6
	Full load amps		10.6	16.7	24.2	4.8	7.6	11.0	3.9	6.1	9.0
	Locked rotor amps		66	105	152	26.8	45.6	66	23.4	36.6	54
Recommended maximum fuse size (amps)	With Exhaust Fans		100	110	125	45	50	60	40	40	45
	Less Exhaust Fans		90	100	110	45	50	50	35	40	45
†Minimum Circuit Ampacity	With Exhaust Fans		88	94	102	43	46	49	35	37	40
	Less Exhaust Fans		83	89	97	41	43	47	33	35	38
Optional Power Exhaust Fans	(No.) Horsepower (W)		(2) 1/3 (249)			(2) 1/3 (249)			(2) 1/3 (249)		
	Full load amps (total)		4.8			2.6			2.0		
	Locked rotor amps (total)		9.4			4.8			3.8		
Service Outlet (2) 115 volt GFCI (amp rating)			15			15			15		

†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.

Electrical Data - LCC240

Model No.			LCC240								
Line voltage data - 60 Hz - 3 phase			208/230v			460v			575v		
Compressors (4)	Rated load amps each (total)		15.4 (61.6)			7.4 (29.6)			5.9 (23.6)		
	Locked rotor amps each (total)		124 (496)			59.6 (238.4)			49.4 (197.6)		
Condenser Fan Motors (4)	Full load amps each (total)		2.4 (9.6)			1.3 (5.2)			1.0 (4.0)		
	Locked rotor amps each (total)		4.7 (18.8)			2.4 (9.6)			1.9 (7.6)		
Evaporator Blower Motor	Motor Output	hp	5	7.5	10	5	7.5	10	5	7.5	10
		kW	3.7	5.6	7.5	3.7	5.6	7.5	3.7	5.6	7.5
	Full load amps		16.7	24.2	30.8	7.6	11.0	14.0	6.1	9.0	11.0
	Locked rotor amps		105	152	193	45.6	66	84	36.6	54	66
Recommended maximum fuse size (amps)	With Exhaust Fans		110	125	125	60	60	60	40	45	50
	Less Exhaust Fans		100	125	125	50	50	60	40	45	50
†Minimum Circuit Ampacity	With Exhaust Fans		97	105	111	47	51	54	38	41	43
	Less Exhaust Fans		92	100	106	45	48	51	36	39	41
Optional Power Exhaust Fans	(No.) Horsepower (W)		(2) 1/3 (249)			(2) 1/3 (249)			(2) 1/3 (249)		
	Full load amps (total)		4.8			2.6			2.0		
	Locked rotor amps (total)		9.4			4.8			3.8		
Service Outlet (2) 115 volt GFCI (amp rating)			15			15			15		

†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.

Electrical Data - LCC300

Model No.			LCC300								
Line voltage data - 60 Hz - 3 phase			208/230v			460v			575v		
Compressors (4)	Rated load amps each (total)		18.6 (74.4)			9.0 (36.0)			7.4 (29.6)		
	Locked rotor amps each (total)		156 (624)			75 (300)			54 (216)		
Condenser Fan Motors (4)	Full load amps each (total)		3.0 (12.0)			1.5 (6.0)			1.2 (4.8)		
	Locked rotor amps each (total)		6.0 (24.0)			3.0 (12.0)			2.9 (11.6)		
Evaporator Blower Motor	Motor Output	hp	5	7.5	10	5	7.5	10	5	7.5	10
		kW	3.7	5.6	7.5	3.7	5.6	7.5	3.7	5.6	7.5
	Full load amps		16.7	24.2	30.8	7.6	11.0	14.0	6.1	9.0	11.0
	Locked rotor amps		105	152	193	45.6	66	84	36.6	54	66
Recommended maximum fuse size (amps)	With Exhaust Fans		125	125	150	60	60	70	50	50	60
	Less Exhaust Fans		125	125	150	60	60	70	45	50	50
†Minimum Circuit Ampacity	With Exhaust Fans		113	122	130	55	59	63	45	48	51
	Less Exhaust Fans		108	117	125	52	56	60	43	46	49
Optional Power Exhaust Fans	(No.) Horsepower (W)		(2) 1/3 (249)			(2) 1/3 (249)			(2) 1/3 (249)		
	Full load amps (total)		4.8			2.6			2.0		
	Locked rotor amps (total)		9.4			4.8			3.8		
Service Outlet (2) 115 volt GFCI (amp rating)			15			15			15		

†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.

Electrical Data - LCA360

Model No.			LCA360								
Line voltage data - 60 Hz - 3 phase			208/230v			460v			575v		
Compressors (4)	Rated load amps each (total)		30.1 (90.3)			15.5 (46.5)			12.1 (36.3)		
	Locked rotor amps each (total)		225 (675)			114 (342)			80 (240)		
Condenser Fan Motors (4)	Full load amps each (total)		2.4 (14.4)			1.3 (7.8)			1.0 (6.0)		
	Locked rotor amps each (total)		4.7 (28.2)			2.4 (14.4)			1.9 (11.4)		
Evaporator Blower Motor	Motor Output	hp	5	7.5	10	5	7.5	10	5	7.5	10
		kW	3.7	5.6	7.5	3.7	5.6	7.5	3.7	5.6	7.5
	Full load amps		16.7	24.2	30.8	7.6	11.0	14.0	6.1	9.0	11.0
	Locked rotor amps		105	152	193	45.6	66	84	36.6	54	66
Recommended maximum fuse size (amps)	With Exhaust Fans		150	150	175	80	80	90	60	60	70
	Less Exhaust Fans		150	150	150	80	80	80	60	60	60
†Minimum Circuit Ampacity	With Exhaust Fans		137	144	151	70	74	77	55	58	60
	Less Exhaust Fans		129	137	143	66	70	73	52	55	57
Optional Power Exhaust Fans	(No.) Horsepower (W)		(3) 1/3 (249)			(3) 1/3 (249)			(3) 1/3 (249)		
	Full load amps (total)		7.2			3.9			3.0		
	Locked rotor amps (total)		14.1			7.2			5.7		
Service Outlet (2) 115 volt GFCI (amp rating)			15			15			15		

†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.

Optional Electric Heat Accessories

Electric Heat Control Module and Unit Fuse Blocks

Unit Model No.			LCC180	LCC210	LCC240	LCC300	LCA360
Electric Heat		Model No.	EHA (see Electric Heat Data tables for additional information)				
		kW Input Range	15, 30, 45, 60	15, 30, 45, 60, 90		30, 45, 60, 90, 120	
Electric Heat Control Module			15K13 (208/230v), 15K92 (460v), 15K93 (575v)				
Unit Fuse Block (3 phase)	With Power Exhaust Fans	208/230v - 3 hp (2.2 kW)	25K15	25K17	—	—	—
		460v - 3 hp (2.2 kW)	25K10	25K11	—	—	—
		575v - 3 hp (2.2 kW)	25K09	25K10	—	—	—
		208/230v - 5 hp (3.7 kW)	25K15	25K18	25K18	25K19	35K01
		460v - 5 hp (3.7 kW)	25K11	25K13	25K13	25K14	35K04
		575v - 5 hp (3.7 kW)	25K09	25K10	25K10	25K13	25K14
		208/230v - 7.5 hp (5.6 kW)	25K18	25K19	25K19	25K19	35K01
		460v - 7.5 hp (5.6 kW)	25K13	25K14	25K14	25K14	35K04
		575v - 7.5 hp (5.6 kW)	25K11	25K11	25K11	25K13	25K14
		208/230v - 10 hp (7.5 kW)	—	—	25K19	25K01	35K02
		460v - 10 hp (7.5 kW)	—	—	25K14	35K03	48L63
		575v - 10 hp (7.5 kW)	—	—	25K11	25K14	35K03
Unit Fuse Block (3 phase)	Without Power Exhaust Fans	208/230v - 3 hp (2.2 kW)	59K96	25K15	—	—	—
		460v - 3 hp (2.2 kW)	25K10	25K11	—	—	—
		575v - 3 hp (2.2 kW)	25K09	25K09	—	—	—
		208/230v - 5 hp (3.7 kW)	25K15	25K17	25K17	25K19	35K01
		460v - 5 hp (3.7 kW)	25K10	25K13	25K13	25K14	35K04
		575v - 5 hp (3.7 kW)	25K09	25K10	25K10	25K11	25K14
		208/230v - 7.5 hp (5.6 kW)	25K18	25K18	25K19	25K19	35K01
		460v - 7.5 hp (5.6 kW)	25K13	25K13	25K13	25K14	35K04
		575v - 7.5 hp (5.6 kW)	25K10	25K11	25K11	25K13	25K14
		208/230v - 10 hp (7.5 kW)	—	—	25K19	35K01	35K01
		460v - 10 hp (7.5 kW)	—	—	25K14	35K03	35K04
		575v - 10 hp (7.5 kW)	—	—	25K13	25K13	25K14

Optional Electric Heat Accessories

LTB2 Electric Heat Terminal Block - LTB2-175 (30K75) 175 amps, LTB2-335 (30K76) 335 amps
(Required for Units without Disconnect/Circuit Breaker but with Single Point Power Source)

Unit Model No.				LCC180	LCC210	LCC240	LCC300	LCA360
LTB2 Terminal Block (3 phase)	15kW	3 hp (2.2 kW)	all voltages	30K75	30K75	---	---	---
		5 hp (3.7 kW)	all voltages	30K75	30K75	30K75	30K75	---
		7.5 hp (5.6 kW)	all voltages	30K75	30K75	30K75	30K75	---
		10 hp (7.5 kW)	all voltages	---	---	30K75	30K75	---
	30 kW	3 hp (2.2 kW)	all voltages	30K75	30K75	---	---	---
		5 hp (3.7 kW)	all voltages	30K75	30K75	30K75	30K75	30K75
		7.5 hp (5.6 kW)	all voltages	30K75	30K75	30K75	30K75	30K75
		10 hp (7.5 kW)	all voltages	---	---	30K75	30K75	30K75
	45 kW	3 hp (2.2 kW)	all voltages	30K75	30K75	---	---	---
		5 hp (3.7 kW)	all voltages	30K75	30K75	30K75	30K75	30K75
		7.5 hp (5.6 kW)	208/230V	30K75	30K75	30K75	30K75	30K75
		7.5 hp (5.6 kW)	460V, 575V	30K75	30K75	30K75	30K75	30K75
		10 hp (7.5 kW)	208/230V	---	---	30K76	30K76	30K76
		10 hp (7.5 kW)	460V, 575V	---	---	30K75	30K75	30K75
	60 kW	3 hp (2.2 kW)	all voltages	30K75	30K75	---	---	---
		5 hp (3.7 kW)	208/230V	30K75	30K75	30K75	30K76	30K75
		5 hp (3.7 kW)	460V, 575V	30K75	30K75	30K75	30K75	30K75
		7.5 hp (5.6 kW)	208/230V	30K76	30K76	30K76	30K76	30K76
		7.5 hp (5.6 kW)	460V, 575V	30K75	30K75	30K75	30K75	30K75
		10 hp (7.5 kW)	208/230V	---	---	30K76	30K76	30K76
	90 kW	10 hp (7.5 kW)	460V, 575V	---	---	30K75	30K75	30K75
		3 hp (2.2 kW)	208/230V	---	30K76	---	---	---
		3 hp (2.2 kW)	460V, 575V	---	30K75	---	---	---
		5 hp (3.7 kW)	208/230V	---	30K76	30K76	30K76	30K76
		5 hp (3.7 kW)	460V, 575V	---	30K75	30K75	30K75	30K75
		7.5 hp (5.6 kW)	208/230V	---	30K76	30K76	30K76	30K76
		7.5 hp (5.6 kW)	460V, 575V	---	30K75	30K75	30K75	30K75
		10 hp (7.5 kW)	208/230V	---	---	30K76	30K76	30K76
	120 kW	10 hp (7.5 kW)	460V, 575V	---	---	30K75	30K75	30K75
		5 hp (3.7 kW)	208/230V	---	---	---	---	30K76
		5 hp (3.7 kW)	460V, 575V	---	---	---	---	30K75
		7.5 hp (5.6 kW)	208/230V	---	---	---	---	30K76
		7.5 hp (5.6 kW)	460V, 575V	---	---	---	---	30K75
		10 hp (7.5 kW)	208/230V	---	---	---	---	30K76
		10 hp (7.5 kW)	460V, 575V	---	---	---	---	30K75

NOTE - Terminal Block is factory installed in units with factory installed electric heat without disconnect/circuit breaker but with single point power source.

Optional Electric Heat Data - LCC180

(Requires unit fuse block, terminal block and ²heater control module)

Electric Heat Model No. & Net Weight	No. of Steps	Volts Input	kW Input	Btuh Output	*Total Unit + Electric Heat Minimum Circuit Ampacity (with Power Exhaust Fan)			Total Unit + Electric Heat Maximum Fuse Size (with Power Exhaust Fans)		
					3 hp (2.2 kW)	5 hp (3.7 kW)	7.5 hp (5.6 kW)	3 hp (2.2 kW)	5 hp (3.7 kW)	7.5 hp (5.6 kW)
15 kW Order One Each: EHA240-7.5 + EHA240S-7.5 208/230V 99J16 + 99J17 460V 99J18 + 99J19 575V 99J20 + 99J21 59 lbs. (27 kg) (Total Weight)	1	208	11.3	38,600	76	82	89	90	90	110
	1	220	12.6	43,000	76	82	89	90	90	110
	1	230	13.8	47,100	76	82	89	90	90	110
	1	240	15.0	51,200	76	82	89	90	90	110
	1	440	12.6	43,000	37	40	43	40	45	50
	1	460	13.8	47,100	37	40	43	40	45	50
	1	480	15.0	51,200	37	40	43	40	45	50
	1	550	12.6	43,000	30	32	35	35	35	40
	1	575	13.8	47,100	30	32	35	35	35	40
30 kW Order One Each: EHA360-15 + EHA360S-15 208/230V 99J22 + 99J23 460V 99J24 + 99J25 575V 99J26 + 99J27 59 lbs. (27 kg) (Total Weight)	1	208	22.5	76,800	110	118	127	110	125	150
	1	220	25.2	86,000	110	118	127	110	125	150
	1	230	27.5	93,900	110	118	127	110	125	150
	1	240	30.0	102,400	110	118	127	110	125	150
	1	440	25.2	86,000	55	58	63	60	60	70
	1	460	27.5	93,900	55	58	63	60	60	70
	1	480	30.0	102,400	55	58	63	60	60	70
	1	550	25.2	86,000	44	47	50	45	50	50
	1	575	27.5	93,900	44	47	50	45	50	50
45kW Order Two Each: EHA360-22.5 208/230V 99J28 + 99J28 460V 99J29 + 99J29 575V 99J30 + 99J30 76 lbs. (35 kg) (Total Weight)	1/2	208	33.8	115,300	155	163	172	175	175	175
	1/2	220	37.8	129,000	155	163	172	175	175	175
	1/2	230	41.3	141,000	155	163	172	175	175	175
	1/2	240	45.0	153,600	155	163	172	175	175	175
	1/2	440	37.8	129,000	77	81	85	80	90	90
	1/2	460	41.3	141,000	77	81	85	80	90	90
	1/2	480	45.0	153,600	77	81	85	80	90	90
	1/2	550	37.8	129,000	62	65	68	70	70	70
	1/2	575	41.3	141,000	62	65	68	70	70	70
60 kW Order Two Each: EHA150-30 208/230V 99J07 + 99J07 460V 99J08 + 99J08 575V 99J09 + 99J09 76 lbs. (35 kg) (Total Weight)	1/2	208	45.0	153,600	164	172	181	175	175	200
	1/2	220	50.4	172,000	164	172	181	175	175	200
	1/2	230	55.1	188,000	164	172	181	175	175	200
	1/2	240	60.0	204,800	164	172	181	175	175	200
	1/2	440	50.4	172,000	82	85	90	90	90	90
	1/2	460	55.1	188,000	82	85	90	90	90	90
	1/2	480	60.0	204,800	82	85	90	90	90	90
	1/2	550	50.4	172,000	66	68	72	70	70	80
	1/2	575	55.1	188,000	66	68	72	70	70	80
	1/2	600	60.0	204,800	66	68	72	70	70	80

*Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F (75°C).

¹May be used with two stage control.

²Electric Heat Control Module required on 45, 60 & 90 kW sizes only (module furnished with factory installed electric heaters). See Optional Electric Heat Accessories tables.

NOTE - Fuse block must be ordered extra. Factory installed heaters will have the fuse block factory installed. Fuse block must be installed in field installed heaters. Also requires LTB2 Terminal Block. See Optional Electric Heat Accessories tables.

Optional Electric Heat Data - LCC210

(Requires unit fuse block, terminal block and ²heater control module)

Electric Heat Model No. & Net Weight	No. of Steps	Volts Input	kW Input	Btuh Output	*Total Unit + Electric Heat Minimum Circuit Ampacity (with Power Exhaust Fan)			Total Unit + Electric Heat Maximum Fuse Size (with Power Exhaust Fans)		
					3 hp (2.2 kW)	5 hp (3.7 kW)	7.5 hp (5.6 kW)	3 hp (2.2 kW)	5 hp (3.7 kW)	7.5 hp (5.6 kW)
15 kW Order One Each: EHA240-7.5 + EHA240S-7.5 208/230V 99J16 + 99J17 460V 99J18 + 99J19 575V 99J20 + 99J21 59 lbs. (27 kg) (total weight)	1	208	11.3	38,600	88	94	102	100	110	125
	1	220	12.6	43,000	88	94	102	100	110	125
	1	230	13.8	47,100	88	94	102	100	110	125
	1	240	15.0	51,200	88	94	102	100	110	125
	1	440	12.6	43,000	43	47	51	45	50	60
	1	460	13.8	47,100	43	47	51	45	50	60
	1	480	15.0	51,200	43	47	51	45	50	60
	1	550	12.6	43,000	36	37	40	40	40	45
	1	575	13.8	47,100	36	37	40	40	40	45
	1	600	15.0	51,200	36	37	40	40	40	45
30 kW Order One Each: EHA360-15 + EHA360S-15 208/230V 99J22 + 99J23 460V 99J24 + 99J24 575V 99J26 + 99J27 59 lbs. (27 kg) (total weight)	1	208	22.5	76,800	110	118	127	110	125	150
	1	220	25.2	86,000	110	118	127	110	125	150
	1	230	27.5	93,900	110	118	127	110	125	150
	1	240	30.0	102,400	110	118	127	110	125	150
	1	440	25.2	86,000	55	58	63	60	60	70
	1	460	27.5	93,900	55	58	63	60	60	70
	1	480	30.0	102,400	55	58	63	60	60	70
	1	550	25.2	86,000	44	47	50	45	50	50
	1	575	27.5	93,900	44	47	50	45	50	50
	1	600	30.0	102,400	44	47	50	45	50	50
45kW Order Two Each: EHA360-22.5 208/230V 99J28 + 99J28 460V 99J29 + 99J29 575V 99J30 + 99J30 76 lbs. (35 kg) (total weight)	¹ 2	208	25.2	115,300	155	163	172	175	175	175
	¹ 2	220	27.5	129,000	155	163	172	175	175	175
	¹ 2	230	30.0	141,000	155	163	172	175	175	175
	¹ 2	240	33.8	153,600	155	163	172	175	175	175
	¹ 2	440	37.8	129,000	77	81	85	80	90	90
	¹ 2	460	41.3	141,000	77	81	85	80	90	90
	¹ 2	480	45.0	153,600	77	81	85	80	90	90
	¹ 2	550	37.8	129,000	62	65	68	70	70	70
	¹ 2	575	41.3	141,000	62	65	68	70	70	70
	¹ 2	600	45.0	153,600	62	65	68	70	70	70

*Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F (75°C).

¹May be used with two stage control.

²Electric Heat Control Module required on 45, 60 & 90 kW sizes only (module furnished with factory installed electric heaters). See Optional Electric Heat Accessories tables.

NOTE - Fuse block must be ordered extra. Factory installed heaters will have the fuse block factory installed. Fuse block must be installed in field installed heaters. Also requires LTB2 Terminal Block. See Optional Electric Heat Accessories tables.

Optional Electric Heat Data - LCC210

(Requires unit fuse block, terminal block and ²heater control module)

Electric Heat Model No. & Net Weight	No. of Steps	Volts Input	kW Input	Btuh Output	*Total Unit + Electric Heat Minimum Circuit Ampacity (with Power Exhaust Fan)			Total Unit + Electric Heat Maximum Fuse Size (with Power Exhaust Fans)		
					3 hp (2.2 kW)	5 hp (3.7 kW)	7.5 hp (5.6 kW)	3 hp (2.2 kW)	5 hp (3.7 kW)	7.5 hp (5.6 kW)
60 kW Order Two Each: EHA150-30 208/230V 99J07 + 99J07 460V 99J08 + 99J08 575V 99J09 + 99J09 76 lbs. (35 kg) (total weight)	1/2	208	45.0	153,600	164	172	181	175	175	200
	1/2	220	50.4	172,000	164	172	181	175	175	200
	1/2	230	55.1	188,000	164	172	181	175	175	200
	1/2	240	60.0	204,800	164	172	181	175	175	200
	1/2	440	50.4	172,000	82	85	90	90	90	90
	1/2	460	55.1	188,000	82	85	90	90	90	90
	1/2	480	60.0	204,800	82	85	90	90	90	90
	1/2	550	50.4	172,000	66	68	72	70	70	80
	1/2	575	55.1	188,000	66	68	72	70	70	80
	1/2	600	60.0	204,800	66	68	72	70	70	80
90 kW Order Two Each: EHA360-45 208/230V 99J31 + 99J31 460V 99J32 + 99J32 575V 99J33 + 99J33 84 lbs. (38 kg) (total weight)	1/2	208	67.6	230,700	236	244	253	250	250	³ 300
	1/2	220	75.6	258,000	236	244	253	250	250	³ 300
	1/2	230	82.7	282,200	236	244	253	250	250	³ 300
	1/2	240	90.0	307,100	236	244	253	250	250	³ 300
	1/2	440	75.6	258,000	118	122	126	125	125	150
	1/2	460	82.7	282,200	118	122	126	125	125	150
	1/2	480	90.0	307,100	118	122	126	125	125	150
	1/2	550	75.6	258,000	94	97	101	100	100	110
	1/2	575	82.7	282,200	94	97	101	100	100	110
	1/2	600	90.0	307,100	94	97	101	100	100	110

*Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F (75°C).

¹May be used with two stage control.

²Electric Heat Control Module required on 45, 60 & 90 kW sizes only (module furnished with factory installed electric heaters). See Optional Electric Heat Accessories tables.

³Factory installed circuit breaker not available.

NOTE - Fuse block must be ordered extra. Factory installed heaters will have the fuse block factory installed. Fuse block must be installed in field installed heaters. Also requires LTB2 Terminal Block. See Optional Electric Heat Accessories tables.

Optional Electric Heat Data - LCC240

(Requires unit fuse block, terminal block and ²heater control module)

Electric Heat Model No. & Net Weight	No. of Steps	Volts Input	kW Input	Btuh Output	*Total Unit + Electric Heat Minimum Circuit Ampacity (with Power Exhaust Fan)			Total Unit + Electric Heat Maximum Fuse Size (with Power Exhaust Fans)		
					5 hp (3.7kW)	7.5 hp (5.6kW)	10 hp (7.5 kW)	5 hp (3.7kW)	7.5 hp (5.6kW)	10 hp (7.5 kW)
15 kW Order One Each: EHA240-7.5 + EHA240S-7.5 208/230V 99J16 + 99J17 460V 99J18 + 99J19 575V 99J20 + 99J21 59 lbs. (27 kg) (total weight)	1	208	11.3	38,600	97	105	111	110	125	125
	1	220	12.6	43,000	97	105	111	110	125	125
	1	230	13.8	47,100	97	105	111	110	125	125
	1	240	15.0	51,200	97	105	111	110	125	125
	1	440	12.6	43,000	47	51	54	50	60	60
	1	460	13.8	47,100	47	51	54	50	60	60
	1	480	15.0	51,200	47	51	54	50	60	60
	1	550	12.6	43,000	38	41	43	40	45	50
	1	575	13.8	47,100	38	41	43	40	45	50
	1	600	15.0	51,200	38	41	43	40	45	50
30 kW Order One Each: EHA360-15 + EHA360S-15 208/230V 99J22 + 99J23 460V 99J24 + 99J25 575V 99J26 + 99J27 59 lbs. (27 kg) (total weight)	1	208	22.5	76,800	118	127	135	125	150	150
	1	220	25.2	86,000	118	127	135	125	150	150
	1	230	27.5	93,900	118	127	135	125	150	150
	1	240	30.0	102,400	118	127	135	125	150	150
	1	440	25.2	86,000	58	63	66	60	70	70
	1	460	27.5	93,900	58	63	66	60	70	70
	1	480	30.0	102,400	58	63	66	60	70	70
	1	550	25.2	86,000	47	50	53	50	50	60
	1	575	27.5	93,900	47	50	53	50	50	60
	1	600	30.0	102,400	47	50	53	50	50	60
45kW Order Two Each: EHA360-22.5 208/230V 99J28 + 99J28 460V 99J29 + 99J29 575V 99J30 + 99J30 76 lbs. (35 kg) (total weight)	¹ 2	208	33.8	115,300	163	172	180	175	175	200
	¹ 2	220	37.8	129,000	163	172	180	175	175	200
	¹ 2	230	41.3	141,000	163	172	180	175	175	200
	¹ 2	240	45.0	153,600	163	172	180	175	175	200
	¹ 2	440	37.8	129,000	81	85	89	90	90	90
	¹ 2	460	41.3	141,000	81	85	89	90	90	90
	¹ 2	480	45.0	153,600	81	85	89	90	90	90
	¹ 2	550	37.8	129,000	65	68	71	70	70	80
	¹ 2	575	41.3	141,000	65	68	71	70	70	80
	¹ 2	600	45.0	153,600	65	68	71	70	70	80

*Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F (75°C).

¹May be used with two stage control.

²Electric Heat Control Module required on 45, 60 & 90 kW sizes only (module furnished with factory installed electric heaters). See Optional Electric Heat Accessories tables.

NOTE - Fuse block must be ordered extra. Factory installed heaters will have the fuse block factory installed. Fuse block must be installed in field installed heaters. Also requires LTB2 Terminal Block. See Optional Electric Heat Accessories tables.

Optional Electric Heat Data - LCC240

(Requires unit fuse block, terminal block and ²heater control module)

Electric Heat Model No. & Net Weight	No. of Steps	Volts Input	kW Input	Btuh Output	*Total Unit + Electric Heat Minimum Circuit Ampacity (with Power Exhaust Fan)			Total Unit + Electric Heat Maximum Fuse Size (with Power Exhaust Fans)		
					5 hp (3.7kW)	7.5 hp (5.6kW)	10 hp (7.5 kW)	5 hp (3.7kW)	7.5 hp (5.6kW)	10 hp (7.5 kW)
60 kW Order Two Each: EHA150-30 208/230V 99J07 + 99J07 460V 99J08 + 99J08 575V 99J09 + 99J09 76 lbs. (35 kg) (total weight)	1 ²	208	45.0	153,600	172	181	189	175	200	200
	1 ²	220	50.4	172,000	172	181	189	175	200	200
	1 ²	230	55.1	188,000	172	181	189	175	200	200
	1 ²	240	60.0	204,800	172	181	189	175	200	200
	1 ²	440	50.4	172,000	85	90	93	90	90	100
	1 ²	460	55.1	188,000	85	90	93	90	90	100
	1 ²	480	60.0	204,800	85	90	93	90	90	100
	1 ²	550	50.4	172,000	68	72	74	70	80	80
	1 ²	575	55.1	188,000	68	72	74	70	80	80
	1 ²	600	60.0	204,800	68	72	74	70	80	80
90 kW Order Two Each: EHA360-45 208/230V 99J31 + 99J31 460V 99J32 + 99J32 575V 99J33 + 99J33 84 lbs. (38 kg) (total weight)	1 ²	208	67.6	230,700	244	253	261	250	³ 300	³ 300
	1 ²	220	75.6	258,000	244	253	261	250	³ 300	³ 300
	1 ²	230	82.7	282,200	244	253	261	250	³ 300	³ 300
	1 ²	240	90.0	307,100	244	253	261	250	³ 300	³ 300
	1 ²	440	75.6	258,000	122	126	130	125	150	150
	1 ²	460	82.7	282,200	122	126	130	125	150	150
	1 ²	480	90.0	307,100	122	126	130	125	150	150
	1 ²	550	75.6	258,000	97	101	103	100	110	110
	1 ²	575	82.7	282,200	97	101	103	100	110	110
	1 ²	600	90.0	307,100	97	101	103	100	110	110

*Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F (75°C).

¹May be used with two stage control.

²Electric Heat Control Module required on 45, 60 & 90 kW sizes only (module furnished with factory installed electric heaters). See Optional Electric Heat Accessories tables.

³Factory installed circuit breaker not available.

NOTE - Fuse block must be ordered extra. Factory installed heaters will have the fuse block factory installed. Fuse block must be installed in field installed heaters. Also requires LTB2 Terminal Block. See Optional Electric Heat Accessories tables.

Optional Electric Heat Data - LCC300

(Requires unit fuse block, terminal block and ²heater control module)

Electric Heat Model No. & Net Weight	No. of Steps	Volts Input	kW Input	Btuh Output	*Total Unit + Electric Heat Minimum Circuit Ampacity (with Power Exhaust Fan)			Total Unit + Electric Heat Maximum Fuse Size (with Power Exhaust Fans)		
					5 hp (3.7kW)	7.5 hp (5.6kW)	10 hp (7.5 kW)	5 hp (3.7kW)	7.5 hp (5.6kW)	10 hp (7.5 kW)
15 kW Order One Each: EHA240-7.5 + EHA240S-7.5 208/230V 99J16 + 99J17 460V 99J18 + 99J19 575V 99J20 + 99J21 59 lbs. (27 kg) (total weight)	1	208	11.3	38,600	113	122	130	125	125	150
	1	220	12.6	43,000	113	122	130	125	125	150
	1	230	13.8	47,100	113	122	130	125	125	150
	1	240	15.0	51,200	113	122	130	125	125	150
	1	440	12.6	43,000	55	59	63	60	60	70
	1	460	13.8	47,100	55	59	63	60	60	70
	1	480	15.0	51,200	55	59	63	60	60	70
	1	550	12.6	43,000	45	48	51	50	50	60
	1	575	13.8	47,100	45	48	51	50	50	60
	1	600	15.0	51,200	45	48	51	50	50	60
30 kW Order One Each: EHA360-15 + EHA360S-15 208/230V 99J22 + 99J23 460V 99J24 + 99J25 575V 99J26 + 99J27 59 lbs. (27 kg) (total weight)	1	208	22.5	76,800	118	127	135	125	150	150
	1	220	25.2	86,000	118	127	135	125	150	150
	1	230	27.5	93,900	118	127	135	125	150	150
	1	240	30.0	102,400	118	127	135	125	150	150
	1	440	25.2	86,000	58	63	66	60	70	70
	1	460	27.5	93,900	58	63	66	60	70	70
	1	480	30.0	102,400	58	63	66	60	70	70
	1	550	25.2	86,000	47	50	53	50	50	60
	1	575	27.5	93,900	47	50	53	50	50	60
	1	600	30.0	102,400	47	50	53	50	50	60
45kW Order Two Each: EHA360-22.5 208/230V 99J28 + 99J28 460V 99J29 + 99J29 575V 99J30 + 99J30 76 lbs. (35 kg) (total weight)	¹ 2	208	33.8	115,300	163	172	180	175	175	200
	¹ 2	220	37.8	129,000	163	172	180	175	175	200
	¹ 2	230	41.3	141,000	163	172	180	175	175	200
	¹ 2	240	45.0	153,600	163	172	180	175	175	200
	¹ 2	440	37.8	129,000	81	85	89	90	90	90
	¹ 2	460	41.3	141,000	81	85	89	90	90	90
	¹ 2	480	45.0	153,600	81	85	89	90	90	90
	¹ 2	550	37.8	129,000	65	68	71	70	70	80
	¹ 2	575	41.3	141,000	65	68	71	70	70	80
	¹ 2	600	45.0	153,600	65	68	71	70	70	80

*Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F (75°C).

¹May be used with two stage control.

²Electric Heat Control Module required on 45, 60 & 90 kW sizes only (module furnished with factory installed electric heaters). See Optional Electric Heat Accessories tables.

NOTE - Fuse block must be ordered extra. Factory installed heaters will have the fuse block factory installed. Fuse block must be installed in field installed heaters. Also requires LTB2 Terminal Block. See Optional Electric Heat Accessories tables.

Optional Electric Heat Data - LCC300

(Requires unit fuse block, terminal block and ²heater control module)

Electric Heat Model No. & Net Weight	No. of Steps	Volts Input	kW Input	Btuh Output	*Total Unit + Electric Heat Minimum Circuit Ampacity (with Power Exhaust Fan)			Total Unit + Electric Heat Maximum Fuse Size (with Power Exhaust Fans)		
					5 hp (3.7kW)	7.5 hp (5.6kW)	10 hp (7.5 kW)	5 hp (3.7kW)	7.5 hp (5.6kW)	10 hp (7.5 kW)
60 kW Order Two Each: EHA150-30 208/230V 99J07 + 99J07 460V 99J08 + 99J08 575V 99J09 + 99J09 76 lbs. (35 kg) (total weight)	1/2	208	45.0	153,600	172	181	189	175	200	200
	1/2	220	50.4	172,000	172	181	189	175	200	200
	1/2	230	55.1	188,000	172	181	189	175	200	200
	1/2	240	60.0	204,800	172	181	189	175	200	200
	1/2	440	50.4	172,000	85	90	93	90	90	100
	1/2	460	55.1	188,000	85	90	93	90	90	100
	1/2	480	60.0	204,800	85	90	93	90	90	100
	1/2	550	50.4	172,000	68	72	74	70	80	80
	1/2	575	55.1	188,000	68	72	74	70	80	80
	1/2	600	60.0	204,800	68	72	74	70	80	80
90 kW Order Two Each: EHA360-45 208/230V 99J31 + 99J31 460V 99J32 + 99J32 575V 99J33 + 99J33 84 lbs. (38 kg) (total weight)	1/2	208	67.6	230,700	244	253	261	250	³ 300	³ 300
	1/2	220	75.6	258,000	244	253	261	250	³ 300	³ 300
	1/2	230	82.7	282,200	244	253	261	250	³ 300	³ 300
	1/2	240	90.0	307,100	244	253	261	250	³ 300	³ 300
	1/2	440	75.6	258,000	122	126	130	125	150	150
	1/2	460	82.7	282,200	122	126	130	125	150	150
	1/2	480	90.0	307,100	122	126	130	125	150	150
	1/2	550	75.6	258,000	97	101	103	100	110	110
	1/2	575	82.7	282,200	97	101	103	100	110	110
	1/2	600	90.0	307,100	97	101	103	100	110	110

*Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F (75°C).

¹May be used with two stage control.

²Electric Heat Control Module required on 45, 60 & 90 kW sizes only (module furnished with factory installed electric heaters). See Optional Electric Heat Accessories tables.

³Factory installed circuit breaker not available.

NOTE - Fuse block must be ordered extra. Factory installed heaters will have the fuse block factory installed. Fuse block must be installed in field installed heaters. Also requires LTB2 Terminal Block. See Optional Electric Heat Accessories tables.

Optional Electric Heat Data - LCA360

(Requires unit fuse block, terminal block and ²heater control module)

Electric Heat Model No. & Net Weight	No. of Steps	Volts Input	kW Input	Btuh Output	*Total Unit + Electric Heat Minimum Circuit Ampacity (with Power Exhaust Fan)			Total Unit + Electric Heat Maximum Fuse Size (with Power Exhaust Fans)		
					5 hp (3.7kW)	7.5 hp (5.6kW)	10 hp (7.5 kW)	5 hp (3.7kW)	7.5 hp (5.6kW)	10 hp (7.5 kW)
30 kW Order One Each: EHA360-15 + EHA360S-15 208/230V 99J22 + 99J23 460V 99J24 + 99J25 575V 99J26 + 99J27 59 lbs. (27 kg) (total weight)	1	208	22.5	76,800	137	144	151	150	150	175
	1	220	25.2	86,000	137	144	151	150	150	175
	1	230	27.5	93,900	137	144	151	150	150	175
	1	240	30.0	102,400	137	144	151	150	150	175
	1	440	25.2	86,000	70	74	77	80	80	90
	1	460	27.5	93,900	70	74	77	80	80	90
	1	480	30.0	102,400	70	74	77	80	80	90
	1	550	25.2	86,000	55	58	60	60	60	70
	1	575	27.5	93,900	55	58	60	60	60	70
	1	600	30.0	102,400	55	58	60	60	60	70
45kW Order Two Each: EHA360-22.5 208/230V 99J28 + 99J28 460V 99J29 + 99J29 575V 99J30 + 99J30 76 lbs. (35 kg) (total weight)	1 ²	208	33.8	115,300	166	175	183	175	175	200
	1 ²	220	37.8	129,000	166	175	183	175	175	200
	1 ²	230	41.3	141,000	166	175	183	175	175	200
	1 ²	240	45.0	153,600	166	175	183	175	175	200
	1 ²	440	37.8	129,000	82	87	90	90	90	90
	1 ²	460	41.3	141,000	82	87	90	90	90	90
	1 ²	480	45.0	153,600	82	87	90	90	90	90
	1 ²	550	37.8	129,000	66	70	72	70	70	80
	1 ²	575	41.3	141,000	66	70	72	70	70	80
	1 ²	600	45.0	153,600	66	70	72	70	70	80
60 kW Order Two Each: EHA150-30 208/230V 99J07 + 99J07 460V 99J08 + 99J08 575V 99J09 + 99J09 76 lbs. (35 kg) (total weight)	1 ²	208	45.0	153,600	175	184	192	175	200	200
	1 ²	220	50.4	172,000	175	184	192	175	200	200
	1 ²	230	55.1	188,000	175	184	192	175	200	200
	1 ²	240	60.0	204,800	175	184	192	175	200	200
	1 ²	440	50.4	172,000	87	91	95	90	100	100
	1 ²	460	55.1	188,000	87	91	95	90	100	100
	1 ²	480	60.0	204,800	87	91	95	90	100	100
	1 ²	550	50.4	172,000	70	73	76	70	80	80
	1 ²	575	55.1	188,000	70	73	76	70	80	80
	1 ²	600	60.0	204,800	70	73	76	70	80	80

*Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F (75°C).

¹May be used with two stage control.

²Electric Heat Control Module required on 45, 60 & 90 kW sizes only (module furnished with factory installed electric heaters). See Optional Electric Heat Accessories tables.

NOTE - Fuse block must be ordered extra. Factory installed heaters will have the fuse block factory installed. Fuse block must be installed in field installed heaters. Also requires LTB2 Terminal Block. See Optional Electric Heat Accessories tables.

Optional Electric Heat Data - LCA360

(Requires unit fuse block, terminal block and ²heater control module)

Electric Heat Model No. & Net Weight	No. of Steps	Volts Input	kW Input	Btuh Output	*Total Unit + Electric Heat Minimum Circuit Ampacity (with Power Exhaust Fan)			Total Unit + Electric Heat Maximum Fuse Size (with Power Exhaust Fans)		
					5 hp (3.7kW)	7.5 hp (5.6kW)	10 hp (7.5 kW)	5 hp (3.7kW)	7.5 hp (5.6kW)	10 hp (7.5 kW)
90 kW Order Two Each: EHA150-45 208/230V 99J10 + 99J10 460V 99J11 + 99J11 575V 99J12 + 99J12 84 lbs. (38 kg) (total weight)	1 ²	208	67.6	230,700	247	256	264	250	³ 300	³ 300
	1 ²	220	75.6	258,000	247	256	264	250	³ 300	³ 300
	1 ²	230	82.7	282,200	247	256	264	250	³ 300	³ 300
	1 ²	240	90.0	307,100	247	256	264	250	³ 300	³ 300
	1 ²	440	75.6	258,000	123	127	131	125	150	150
	1 ²	460	82.7	282,200	123	127	131	125	150	150
	1 ²	480	90.0	307,100	123	127	131	125	150	150
	1 ²	550	75.6	258,000	98	102	105	100	110	110
	1 ²	575	82.7	282,200	98	102	105	100	110	110
120 kW Order Two Each: EHA150-60 208/230V 99J13 + 99J13 460V 99J14 + 99J14 575V 99J15 + 99J15 98 lbs. (45 kg) (total weight)	1 ²	208	90.2	307,800	319	328	337	³ 350	³ 350	³ 350
	1 ²	220	100.8	344,000	319	328	337	³ 350	³ 350	³ 350
	1 ²	230	110.2	376,100	319	328	337	³ 350	³ 350	³ 350
	1 ²	240	120.0	409,500	319	328	337	³ 350	³ 350	³ 350
	1 ²	440	100.8	344,000	159	163	167	175	175	175
	1 ²	460	110.2	376,100	159	163	167	175	175	175
	1 ²	480	120.0	409,500	159	163	167	175	175	175
	1 ²	550	100.8	344,000	127	131	133	150	150	150
	1 ²	575	110.2	376,100	127	131	133	150	150	150
	1 ²	600	120.0	409,500	127	131	133	150	150	150

*Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements. Use wires suitable for at least 167°F (75°C).

¹May be used with two stage control.

²Electric Heat Control Module required on 45, 60 & 90 kW sizes only (module furnished with factory installed electric heaters). See Optional Electric Heat Accessories tables.

³Factory installed circuit breaker not available.

NOTE - Fuse block must be ordered extra. Factory installed heaters will have the fuse block factory installed. Fuse block must be installed in field installed heaters. Also requires LTB2 Terminal Block. See Optional Electric Heat Accessories tables.

Cooling Ratings

LCC180 - Two Compressors Operating

Entering Wet Bulb Temp.	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																													
			65°F (18°C)						75°F (24°C)						85°F (29°C)						95°F (35°C)											
			Total Cooling Capacity		Comp. Motor Watts Input	Sensible to Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible to Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible to Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible to Total Ratio (S/T)								
						Dry Bulb						Dry Bulb						Dry Bulb						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	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	4800	2265	123.4	36.2	7.02	.66	.80	.94	120.2	35.2	7.72	.67	.81	.95	116.3	34.1	8.52	.68	.83	.97	112.1	32.9	9.45	.69	.85	.98						
	6000	2830	128.2	37.6	7.13	.71	.88	1.00	124.8	36.6	7.82	.72	.89	1.00	120.8	35.4	8.62	.73	.91	1.00	116.5	34.1	9.55	.75	.93	1.00						
	7200	3400	132.0	38.7	7.20	.77	.94	1.00	128.5	37.7	7.9	.78	.96	1.00	124.5	36.5	8.71	.79	.97	1.00	120.2	35.2	9.63	.81	.99	1.00						
67°F (19°C)	4800	2265	131.2	38.5	7.18	.53	.64	.77	127.7	37.4	7.88	.53	.65	.78	123.7	36.3	8.69	.53	.65	.79	119.2	34.9	9.61	.54	.66	.81						
	6000	2830	135.4	39.7	7.28	.55	.69	.84	131.8	38.6	7.98	.55	.69	.86	127.6	37.4	8.78	.56	.71	.87	123.0	36.0	9.71	.57	.72	.89						
	7200	3400	138.3	40.5	7.34	.58	.74	.91	134.7	39.5	8.04	.58	.75	.93	130.4	38.2	8.85	.59	.77	.95	125.6	36.8	9.79	.60	.79	.96						
71°F (22°C)	4800	2265	139.5	40.9	7.36	.40	.51	.62	136.0	39.9	8.06	.40	.51	.62	131.8	38.6	8.87	.40	.52	.63	127.1	37.2	9.82	.40	.52	.64						
	6000	2830	143.7	42.1	7.46	.41	.54	.66	140.0	41.0	8.16	.41	.54	.67	135.6	39.7	8.97	.41	.55	.68	130.8	38.3	9.90	.41	.55	.70						
	7200	3400	146.5	42.9	7.53	.42	.57	.72	142.8	41.9	8.22	.42	.57	.73	138.2	40.5	9.03	.42	.58	.74	133.1	39.0	9.98	.43	.59	.76						

LCC180 - Full Compressor Operation

Entering Wet Bulb Temp.	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																													
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)											
			Total Cooling Capacity		Comp. Motor Watts Input	Sensible to Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible to Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible to Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible to Total Ratio (S/T)								
						Dry Bulb						Dry Bulb						Dry Bulb						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	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	4800	2265	176.3	51.7	12.81	.69	.84	.97	169.9	49.8	14.20	.70	.85	.98	163.3	47.9	15.75	.71	.87	1.00	156.8	46.0	17.52	.73	.89	1.00						
	6000	2830	183.2	53.7	12.96	.74	.91	1.00	176.6	51.8	14.35	.76	.93	1.00	169.6	49.7	15.93	.78	.95	1.00	162.9	47.7	17.73	.79	.97	1.00						
	7200	3400	188.8	55.3	13.09	.80	.97	1.00	182.2	53.4	14.48	.82	.99	1.00	175.5	51.4	16.08	.84	1.00	1.00	169.1	49.6	17.91	.86	1.00	1.00						
67°F (19°C)	4800	2265	187.6	55.0	13.06	.54	.67	.80	180.7	53.0	14.45	.55	.68	.82	173.6	50.9	16.05	.56	.69	.83	166.5	48.8	17.83	.56	.70	.85						
	6000	2830	193.5	56.7	13.20	.57	.72	.88	186.4	54.6	14.60	.58	.73	.90	178.8	52.4	16.19	.59	.75	.92	171.4	50.2	18.01	.60	.77	.94						
	7200	3400	197.7	57.9	13.31	.60	.78	.95	190.4	55.8	14.72	.61	.80	.97	182.6	53.5	16.31	.62	.82	.98	174.8	51.2	18.11	.64	.84	1.00						
71°F (22°C)	4800	2265	199.8	58.6	13.34	.41	.53	.64	192.6	56.4	14.76	.41	.53	.66	185.1	54.2	16.37	.41	.54	.67	177.5	52.0	18.18	.42	.55	.68						
	6000	2830	205.6	60.3	13.49	.42	.56	.70	198.2	58.1	14.89	.42	.57	.71	190.3	55.8	16.51	.43	.58	.73	182.1	53.4	18.36	.43	.59	.74						
	7200	3400	209.5	61.4	13.58	.43	.59	.75	201.8	59.1	15.01	.43	.60	.77	193.8	56.8	16.61	.44	.61	.79	185.3	54.3	18.45	.44	.63	.81						

Cooling Ratings

LCC210 - Two Compressors Operating

Entering Wet Bulb Temp.	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			65°F (18°C)						75°F (24°C)						85°F (29°C)						95°F (35°C)					
			Total Cooling Capacity		Comp. Motor Watts Input	Sensible to Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible to Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible to Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible to Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C				75°F 24°C	80°F 27°C	85°F 29°C				75°F 24°C	80°F 27°C	85°F 29°C				75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	5600	2645	104.0	30.5	5.70	.64	.79	.94	100.8	29.5	6.34	.65	.81	.96	97.2	28.5	7.06	.66	.82	.98	93.6	27.4	7.88	.67	.84	.99
	7000	3305	108.0	31.7	5.80	.69	.87	1.00	104.4	30.6	6.44	.70	.89	1.00	100.8	29.5	7.14	.72	.91	1.00	97.0	28.4	7.96	.74	.93	1.00
	8400	3965	111.0	32.5	5.86	.75	.95	1.00	107.6	31.5	6.50	.76	.96	1.00	104.0	30.5	7.22	.78	.98	1.00	100.2	29.4	8.06	.80	.99	1.00
67°F (19°C)	5600	2645	110.4	32.4	5.86	.50	.62	.75	107.0	31.4	6.48	.51	.63	.77	103.2	30.2	7.20	.51	.63	.78	99.2	29.1	8.04	.52	.65	.80
	7000	3305	113.8	33.4	5.92	.53	.66	.84	110.2	32.3	6.58	.54	.67	.86	106.2	31.1	7.30	.54	.69	.88	102.0	29.9	8.12	.55	.71	.90
	8400	3965	116.4	34.1	6.00	.56	.72	.91	112.4	32.9	6.62	.56	.74	.93	108.4	31.8	7.34	.57	.76	.95	104.0	30.5	8.18	.58	.78	.97
71°F (22°C)	5600	2645	117.4	34.4	6.02	.38	.49	.60	113.8	33.4	6.66	.38	.49	.60	109.8	32.2	7.38	.39	.50	.61	105.4	30.9	8.22	.39	.51	.63
	7000	3305	120.8	35.4	6.10	.39	.52	.64	116.8	34.2	6.74	.39	.52	.65	112.6	33.0	7.48	.39	.53	.67	108.2	31.7	8.30	.40	.54	.68
	8400	3965	123.2	36.1	6.16	.40	.55	.70	119.0	34.9	6.80	.40	.56	.71	114.8	33.6	7.54	.41	.56	.73	110.2	32.3	8.38	.41	.57	.76

LCC210 - Full Compressor Operation

Entering Wet Bulb Temp.	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																								
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)						
			Total Cooling Capacity		Comp. Motor Watts Input	Sensible to Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible to Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible to Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible to Total Ratio (S/T)			
						Dry Bulb						Dry Bulb						Dry Bulb						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	kBtuh	kW	75°F 24°C	80°F 27°C	85°F 29°C
	63°F (17°C)	5600	2645	202.0	59.2	14.24	.69	.84	.98	194.4	57.0	15.88	.70	.86	.99	186.2	54.6	17.76	.72	.88	1.00	177.4	52.0	19.92	.73	.91	1.00
7000		3305	209.4	61.4	14.40	.74	.92	1.00	201.4	59.0	16.06	.76	.94	1.00	193.2	56.6	17.96	.78	.96	1.00	184.4	54.0	20.12	.80	.99	1.00	
8400		3965	215.8	63.2	14.56	.80	.98	1.00	208.0	61.0	16.26	.82	1.00	1.00	199.8	58.6	18.16	.85	1.00	1.00	191.2	56.0	20.34	.87	1.00	1.00	
67°F (19°C)	5600	2645	214.4	62.8	14.52	.54	.67	.80	206.0	60.4	16.22	.55	.68	.82	197.0	57.7	18.10	.55	.69	.84	187.6	55.0	20.24	.56	.71	.87	
	7000	3305	220.6	64.7	14.72	.57	.72	.89	212.0	62.1	16.38	.58	.73	.91	202.8	59.4	18.28	.59	.75	.93	192.6	56.4	20.46	.60	.78	.96	
	8400	3965	225.2	66.0	14.82	.60	.78	.96	216.2	63.4	16.50	.61	.80	.98	206.6	60.5	18.40	.62	.82	.99	196.6	57.6	20.54	.64	.85	1.00	
71°F (22°C)	5600	2645	228.0	66.8	14.88	.40	.52	.64	219.2	64.2	16.58	.41	.53	.66	209.8	61.5	18.48	.41	.54	.67	199.6	58.5	20.66	.41	.55	.69	
	7000	3305	234.0	68.6	15.08	.42	.56	.70	224.8	65.9	16.74	.42	.57	.71	215.2	63.1	18.64	.42	.58	.73	204.6	60.0	20.82	.43	.59	.76	
	8400	3965	238.4	69.9	15.20	.43	.59	.76	229.0	67.1	16.90	.43	.60	.78	218.6	64.1	18.80	.44	.62	.80	207.6	60.8	20.94	.44	.63	.83	

Cooling Ratings

LCC240 - Two Compressors Operating

Entering Wet Bulb Temp.	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			65°F (18°C)						75°F (24°C)						85°F (29°C)						95°F (35°C)					
			Total Cooling Capacity		Comp. Motor Watts	Sensible to Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts	Sensible to Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts	Sensible to Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts	Sensible to Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
	cfm	L/s	kBtuh	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	6400	3020	118.8	34.8	6.72	.60	.76	.92	115.8	33.9	7.38	.61	.77	.94	112.0	32.8	8.14	.62	.79	.96	108.0	31.7	9.02	.62	.81	.98
	8000	3775	123.0	36.0	6.80	.65	.85	1.00	120.0	35.2	7.46	.66	.86	1.00	116.2	34.1	8.24	.67	.89	1.00	112.2	32.9	9.12	.69	.91	1.00
	9600	4530	126.4	37.0	6.86	.71	.93	1.00	123.4	36.2	7.54	.72	.94	1.00	119.6	35.1	8.30	.74	.96	1.00	115.6	33.9	9.18	.76	.98	1.00
67°F (19°C)	6400	3020	126.0	36.9	6.86	.48	.58	.72	122.8	36.0	7.52	.48	.59	.73	119.0	34.9	8.28	.48	.59	.74	114.6	33.6	9.16	.49	.60	.76
	8000	3775	129.8	38.0	6.92	.50	.62	.81	126.4	37.0	7.58	.50	.63	.82	122.6	35.9	8.36	.51	.64	.84	118.0	34.6	9.26	.51	.66	.87
	9600	4530	132.4	38.8	6.98	.52	.68	.89	129.0	37.8	7.64	.53	.70	.91	125.0	36.6	8.42	.54	.72	.93	120.4	35.3	9.30	.54	.74	.95
71°F (22°C)	6400	3020	133.8	39.2	7.02	.36	.46	.56	130.6	38.3	7.66	.36	.46	.56	126.6	37.1	8.44	.36	.47	.57	122.2	35.8	9.32	.36	.47	.58
	8000	3775	137.4	40.3	7.08	.37	.49	.61	134.2	39.3	7.74	.37	.49	.61	130.0	38.1	8.52	.37	.50	.62	125.4	36.8	9.40	.37	.50	.63
	9600	4530	140.0	41.0	7.14	.38	.51	.66	136.6	40.0	7.80	.38	.52	.67	132.4	38.8	8.56	.38	.53	.69	127.6	37.4	9.46	.39	.53	.71

LCC240 - Full Compressor Operation

Entering Wet Bulb Temp.	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																										
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)								
			Total Cooling Capacity		Comp. Motor Watts Input	Sensible to Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible to Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible to Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts Input	Sensible to Total Ratio (S/T)					
						Dry Bulb						Dry Bulb						Dry Bulb						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)	6400	3020	230.6	67.6	16.66	.69	.85	.99	222.4	65.2	18.46	.70	.86	1.00	213.8	62.7	20.54	.71	.88	1.00	205.4	60.2	22.84	.73	.91	1.00			
	8000	3775	239.2	70.1	16.86	.74	.93	1.00	231.0	67.7	18.66	.76	.95	1.00	222.0	65.1	20.70	.78	.97	1.00	213.4	62.5	23.02	.80	.99	1.00			
	9600	4530	246.2	72.2	16.98	.80	1.00	1.00	238.0	69.8	18.80	.82	1.00	1.00	229.4	67.2	20.88	.84	1.00	1.00	220.8	64.7	23.24	.87	1.00	1.00			
67°F (19°C)	6400	3020	245.0	71.8	16.94	.54	.67	.81	236.0	69.2	18.76	.55	.68	.82	227.0	66.5	20.82	.55	.69	.84	217.6	63.8	23.18	.56	.70	.87			
	8000	3775	252.2	73.9	17.10	.57	.72	.89	243.0	71.2	18.94	.58	.73	.91	233.4	68.4	21.00	.59	.75	.94	223.8	65.6	23.34	.60	.77	.96			
	9600	4530	257.4	75.4	17.24	.60	.78	.97	248.0	72.7	19.04	.61	.80	.99	238.4	69.9	21.12	.62	.82	1.00	228.4	66.9	23.46	.63	.84	1.00			
71°F (22°C)	6400	3020	260.6	76.4	17.28	.41	.52	.64	251.6	73.7	19.08	.41	.53	.65	241.8	70.9	21.18	.41	.54	.67	232.0	68.0	23.58	.41	.55	.68			
	8000	3775	267.6	78.4	17.44	.42	.56	.70	258.2	75.7	19.24	.42	.57	.71	248.0	72.7	21.36	.42	.58	.73	237.8	69.7	23.72	.43	.58	.74			
	9600	4530	272.6	79.9	17.52	.43	.59	.75	262.8	77.0	19.36	.43	.60	.77	252.4	74.0	21.46	.44	.61	.79	241.8	70.9	23.84	.44	.62	.82			

Cooling Ratings

LCC300 - Two Compressors Operating

Entering Wet Bulb Temp.	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			65°F (18°C)						75°F (24°C)						85°F (29°C)						95°F (35°C)					
			Total Cooling Capacity		Comp. Motor Watts	Sensible to Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts	Sensible to Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts	Sensible to Total Ratio (S/T)			Total Cooling Capacity		Comp. Motor Watts	Sensible to Total Ratio (S/T)		
						Dry Bulb						Dry Bulb						Dry Bulb						Dry Bulb		
	cfm	L/s	kBtuh	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	8000	3775	149.0	43.7	8.34	.61	.77	.94	144.6	42.4	9.28	.61	.78	.95	140.0	41.0	10.38	.62	.80	.97	135.0	39.6	11.62	.63	.82	.99
	10000	4720	154.6	45.3	8.46	.66	.86	1.00	150.0	44.0	9.42	.67	.88	1.00	145.2	42.6	10.50	.69	.90	1.00	140.0	41.0	11.74	.71	.93	1.00
	12000	5665	159.2	46.7	8.56	.73	.95	1.00	154.4	45.3	9.52	.74	.96	1.00	149.6	43.8	10.62	.76	.98	1.00	144.6	42.4	11.88	.78	1.00	1.00
67°F (19°C)	8000	3775	158.0	46.3	8.52	.48	.59	.72	153.2	44.9	9.48	.48	.59	.74	148.0	43.4	10.58	.49	.60	.75	142.8	41.9	11.82	.49	.61	.78
	10000	4720	162.8	47.7	8.64	.50	.63	.82	157.8	46.2	9.60	.51	.64	.84	152.4	44.7	10.70	.51	.66	.86	146.8	43.0	11.94	.52	.68	.89
	12000	5665	166.2	48.7	8.74	.53	.70	.91	161.0	47.2	9.70	.54	.71	.93	155.6	45.6	10.78	.55	.73	.95	149.8	43.9	12.04	.55	.76	.97
71°F (22°C)	8000	3775	167.8	49.2	8.76	.36	.46	.56	162.6	47.7	9.74	.36	.47	.57	157.4	46.1	10.82	.36	.47	.58	151.6	44.4	12.08	.37	.48	.59
	10000	4720	172.4	50.5	8.88	.37	.49	.61	167.2	49.0	9.84	.37	.50	.62	161.4	47.3	10.94	.37	.50	.63	155.4	45.5	12.20	.38	.51	.65
	12000	5665	175.6	51.5	8.96	.38	.52	.67	170.0	49.8	9.94	.38	.53	.69	164.2	48.1	11.02	.39	.54	.71	158.2	46.4	12.28	.39	.55	.73

LCC300 - Full Compressor Operation

Entering Wet Bulb Temp.	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity	Comp. Motor Watts	Sensible to Total Ratio (S/T)			Total Cooling Capacity	Comp. Motor Watts	Sensible to Total Ratio (S/T)			Total Cooling Capacity	Comp. Motor Watts	Sensible to Total Ratio (S/T)			Total Cooling Capacity	Comp. Motor Watts	Sensible to Total Ratio (S/T)						
					Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb						
	75°F 24°C	80°F 27°C			85°F 29°C	kBtuh	kW			Input	75°F 24°C	80°F 27°C			85°F 29°C	kBtuh	kW			Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Input
cfm	L/s	kBtuh	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C	
63°F (17°C)	8000	3775	291.5	85.4	20.90	.70	.86	1.00	281.1	82.4	23.41	.71	.88	1.00	270.1	79.2	26.23	.72	.90	1.00	258.4	75.7	29.44	.74	.92	1.00
	10000	4720	302.4	88.6	21.15	.76	.95	1.00	291.7	85.5	23.65	.77	.97	1.00	280.5	82.2	26.51	.79	.99	1.00	268.5	78.7	29.74	.81	1.00	1.00
	12000	5665	311.6	91.3	21.38	.82	1.00	1.00	301.3	88.3	23.92	.84	1.00	1.00	290.1	85.0	26.79	.86	1.00	1.00	278.7	81.7	30.05	.89	1.00	1.00
67°F (19°C)	8000	3775	308.4	90.4	21.30	.55	.68	.82	297.4	87.2	23.81	.55	.69	.84	285.5	83.7	26.67	.56	.70	.86	272.7	79.9	29.89	.57	.71	.88
	10000	4720	317.4	93.0	21.55	.58	.73	.91	305.9	89.7	24.05	.59	.75	.93	293.5	86.0	26.91	.60	.77	.96	280.2	82.1	30.17	.61	.79	.98
	12000	5665	324.1	95.0	21.71	.61	.80	.99	312.2	91.5	24.24	.62	.82	1.00	299.4	87.7	27.11	.63	.84	1.00	286.0	83.8	30.37	.65	.87	1.00
71°F (22°C)	8000	3775	327.8	96.1	21.79	.41	.53	.65	315.9	92.6	24.33	.41	.54	.66	303.4	88.9	27.23	.41	.55	.68	290.1	85.0	30.46	.42	.55	.69
	10000	4720	336.3	98.6	22.03	.42	.57	.71	323.9	94.9	24.57	.42	.58	.73	311.0	91.1	27.43	.43	.59	.74	297.0	87.0	30.67	.43	.60	.76
	12000	5665	342.1	100.3	22.20	.43	.60	.77	329.6	96.6	24.73	.44	.61	.79	316.0	92.6	27.63	.44	.63	.82	301.6	88.4	30.87	.45	.64	.84

Cooling Ratings

LCA360 - Two Compressors Operating

Entering Wet Bulb Temp.	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																													
			65°F (18°C)						75°F (24°C)						85°F (29°C)						95°F (35°C)											
			Total Cooling Capacity		Comp. Motor Watts	Sensible to Total Ratio (S/T)	Total Cooling Capacity		Comp. Motor Watts	Sensible to Total Ratio (S/T)	Total Cooling Capacity		Comp. Motor Watts	Sensible to Total Ratio (S/T)	Total Cooling Capacity		Comp. Motor Watts	Sensible to Total Ratio (S/T)	Total Cooling Capacity		Comp. Motor Watts	Sensible to Total Ratio (S/T)										
																								Dry Bulb		Dry Bulb		Dry Bulb		Dry Bulb		
	cfm	L/s	kBtu/h	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtu/h	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtu/h	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtu/h	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C	kBtu/h	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	9000	4250	234.5	68.7	12.87	.65	.79	.93	227.8	66.8	14.19	.65	.80	.95	220.8	64.7	15.68	.66	.82	.96	213.2	62.5	17.39	.67	.83	.98						
	11200	5285	243.1	71.2	13.05	.69	.87	1.00	236.1	69.2	14.38	.70	.88	1.00	228.7	67.0	15.85	.72	.90	1.00	220.9	64.7	17.55	.73	.92	1.00						
	13400	6325	249.9	73.2	13.21	.75	.94	1.00	242.8	71.2	14.52	.76	.95	1.00	235.2	68.9	16.01	.78	.97	1.00	227.4	66.6	17.70	.79	.98	1.00						
67°F (19°C)	9000	4250	248.8	72.9	13.17	.51	.62	.75	241.5	70.8	14.48	.51	.63	.76	233.9	68.5	15.97	.52	.64	.78	225.7	66.1	17.68	.52	.65	.80						
	11200	5285	256.5	75.2	13.35	.54	.67	.83	248.7	72.9	14.66	.54	.68	.85	240.6	70.5	16.15	.55	.69	.86	232.2	68.1	17.85	.55	.71	.88						
	13400	6325	261.8	76.7	13.48	.56	.72	.90	253.9	74.4	14.78	.57	.74	.92	245.6	72.0	16.26	.58	.75	.94	236.8	69.4	17.96	.58	.77	.96						
71°F (22°C)	9000	4250	264.4	77.5	13.53	.39	.50	.60	256.7	75.2	14.84	.39	.50	.61	248.5	72.8	16.34	.39	.50	.62	239.8	70.3	18.04	.39	.51	.63						
	11200	5285	272.0	79.7	13.70	.40	.52	.65	263.8	77.3	15.02	.40	.53	.66	255.1	74.8	16.52	.40	.53	.67	245.9	72.1	18.22	.40	.54	.68						
	13400	6325	277.1	81.2	13.83	.41	.55	.70	268.5	78.7	15.16	.41	.56	.71	259.7	76.1	16.64	.41	.57	.73	250.3	73.4	18.32	.42	.58	.75						

LCA360 - Full Compressor Operation

Enterin- g Wet Bulb Temp.	Total Air Volume		Outdoor Air Temperature Entering Condenser Coil																									
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)							
			Total Cooling Capacity	Comp. Motor Watts Input	Sensible to Total Ratio (S/T)			Total Cooling Capacity	Comp. Motor Watts Input	Sensible to Total Ratio (S/T)			Total Cooling Capacity	Comp. Motor Watts Input	Sensible to Total Ratio (S/T)			Total Cooling Capacity	Comp. Motor Watts Input	Sensible to Total Ratio (S/T)								
					Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb								
	75°F 24°C	80°F 27°C			85°F 29°C	kBtu/h	kW			75°F 24°C	80°F 27°C	85°F 29°C			kBtu/h	kW	75°F 24°C			80°F 27°C	85°F 29°C	kBtu/h	kW	75°F 24°C	80°F 27°C	85°F 29°C		
63°F (17°C)	9000	4250	337.6	98.9	23.59	.69	.83	.97	326.0	95.5	26.17	.70	.85	.98	313.7	91.9	29.07	.71	.87	1.00	300.4	88.0	32.36	.72	.89	1.00		
	11200	5285	349.7	102.5	23.86	.74	.91	1.00	337.7	99.0	26.41	.75	.93	1.00	324.9	95.2	29.33	.77	.95	1.00	311.3	91.2	32.66	.79	.97	1.00		
	13400	6325	359.6	105.4	24.09	.79	.97	1.00	347.7	101.9	26.64	.81	.99	1.00	335.0	98.2	29.59	.83	1.00	1.00	321.8	94.3	32.94	.85	1.00	1.00		
67°F (19°C)	9000	4250	357.6	104.8	24.04	.54	.66	.80	345.1	101.1	26.61	.54	.67	.81	331.7	97.2	29.54	.55	.68	.83	317.4	93.0	32.83	.56	.70	.85		
	11200	5285	367.9	107.8	24.31	.57	.71	.88	355.0	104.0	26.87	.57	.73	.89	341.1	100.0	29.76	.58	.74	.92	325.9	95.5	33.08	.59	.76	.94		
	13400	6325	375.6	110.1	24.48	.60	.77	.95	362.1	106.1	27.03	.61	.79	.96	347.8	101.9	29.97	.62	.81	.98	332.3	97.4	33.28	.63	.83	1.00		
71°F (22°C)	9000	4250	380.0	111.4	24.60	.40	.52	.64	366.7	107.5	27.16	.41	.53	.65	352.5	103.3	30.10	.41	.54	.66	337.2	98.8	33.41	.41	.54	.68		
	11200	5285	390.1	114.3	24.86	.41	.55	.69	376.0	110.2	27.43	.42	.56	.71	361.4	105.9	30.31	.42	.57	.72	345.4	101.2	33.61	.43	.58	.74		
	13400	6325	397.1	116.4	25.06	.43	.59	.75	382.7	112.2	27.59	.43	.60	.77	367.3	107.6	30.50	.43	.61	.79	350.5	102.7	33.83	.44	.62	.81		

Blower Data - LCC180 - 300

BLOWER TABLE INCLUDES RESISTANCE FOR BASE UNIT ONLY WITH DRY INDOOR COIL & AIR FILTERS IN PLACE.

FOR ALL UNITS ADD:

- 1 - Wet indoor coil air resistance of selected unit.
- 2 - Any factory installed options air resistance (heat section)
- 3 - Any field installed accessories air resistance (duct resistance, diffuser, etc.)

Then determine from blower table motor output and drive required.

See page 31 for wet coil and option/accessory air resistance data.

MINIMUM AIR VOLUME REQUIRED FOR USE WITH OPTIONAL ELECTRIC HEAT

Units require 6000 cfm (2830 L/s) minimum air with electric heat.

Air Volume cfm (L/s)	Static Pressure External to Unit - Inches Water Gauge (Pa)																							
	.40 (100)		.60 (150)		.80 (200)		1.00 (250)		1.20 (300)		1.40 (350)		1.60 (400)		1.80 (450)		2.00 (495)		2.20 (545)		2.40 (595)		2.60 (645)	
	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)
4000 (1890)	545	.85 (.63)	635	1.10 (.82)	715	1.40 (1.04)	785	1.70 (1.27)	850	2.00 (1.49)	910	2.30 (1.72)	965	2.60 (1.94)	1020	2.90 (2.16)	1070	3.25 (2.42)	1115	3.55 (2.65)	1160	3.85 (2.87)	1205	4.15 (3.10)
4250 (2005)	555	.90 (.67)	645	1.25 (.93)	725	1.55 (1.16)	795	1.85 (1.38)	855	2.15 (1.60)	915	2.45 (1.83)	970	2.80 (2.09)	1025	3.10 (2.31)	1075	3.45 (2.57)	1120	3.75 (2.80)	1165	4.10 (3.06)	1210	4.45 (3.32)
4500 (2125)	565	1.00 (.75)	655	1.35 (1.01)	730	1.65 (1.23)	800	2.00 (1.49)	865	2.35 (1.75)	925	2.65 (1.98)	980	3.00 (2.24)	1030	3.30 (2.46)	1080	3.65 (2.72)	1130	4.05 (3.02)	1175	4.35 (3.25)	1215	4.70 (3.51)
4750 (2240)	575	1.10 (.82)	660	1.45 (1.08)	740	1.80 (1.34)	810	2.15 (1.60)	870	2.50 (1.87)	930	2.85 (2.13)	985	3.20 (2.39)	1040	3.55 (2.65)	1085	3.90 (2.91)	1135	4.25 (3.17)	1180	4.65 (3.47)	1225	5.00 (3.73)
5000 (2360)	585	1.25 (.93)	670	1.60 (1.19)	750	1.95 (1.45)	815	2.30 (1.72)	880	2.70 (2.01)	940	3.05 (2.28)	995	3.40 (2.54)	1045	3.80 (2.83)	1095	4.15 (3.10)	1140	4.50 (3.36)	1185	4.90 (3.66)	1230	5.30 (3.95)
5250 (2475)	595	1.35 (1.01)	680	1.70 (1.27)	755	2.10 (1.57)	825	2.50 (1.87)	890	2.90 (2.16)	945	3.25 (2.42)	1000	3.65 (2.72)	1050	4.00 (2.98)	1100	4.40 (3.28)	1150	4.80 (3.58)	1195	5.20 (3.88)	1235	5.60 (4.18)
5500 (2595)	605	1.45 (1.08)	690	1.85 (1.38)	765	2.25 (1.68)	835	2.65 (1.98)	895	3.05 (2.28)	955	3.45 (2.57)	1010	3.85 (2.87)	1060	4.25 (3.17)	1110	4.70 (3.51)	1155	5.10 (3.80)	1200	5.50 (4.10)	1240	5.90 (4.40)
5750 (2715)	615	1.60 (1.19)	700	2.00 (1.49)	775	2.45 (1.83)	840	2.85 (2.13)	905	3.25 (2.42)	960	3.65 (2.72)	1015	4.10 (3.06)	1065	4.50 (3.36)	1115	4.95 (3.69)	1160	5.35 (3.99)	1205	5.80 (4.33)	1250	6.25 (4.66)
6000 (2830)	630	1.75 (1.31)	710	2.15 (1.60)	785	2.60 (1.94)	850	3.05 (2.28)	910	3.45 (2.57)	970	3.90 (2.91)	1025	4.35 (3.25)	1075	4.80 (3.58)	1120	5.20 (3.88)	1170	5.65 (4.21)	1215	6.10 (4.55)	1255	6.55 (4.89)
6250 (2950)	640	1.90 (1.42)	720	2.35 (1.75)	795	2.80 (2.09)	860	3.25 (2.42)	920	3.70 (2.76)	975	4.15 (3.10)	1030	4.60 (3.43)	1080	5.05 (3.77)	1130	5.50 (4.10)	1175	5.95 (4.44)	1220	6.45 (4.81)	1265	6.90 (5.15)
6500 (3065)	650	2.05 (1.53)	730	2.50 (1.87)	805	3.00 (2.24)	870	3.45 (2.57)	930	3.95 (2.95)	985	4.40 (3.28)	1040	4.85 (3.62)	1090	5.35 (3.99)	1140	5.85 (4.36)	1185	6.30 (4.70)	1225	6.75 (5.04)	1270	7.25 (5.41)
6750 (3185)	665	2.20 (1.64)	745	2.70 (2.01)	815	3.20 (2.39)	880	3.70 (2.76)	940	4.20 (3.13)	995	4.65 (3.47)	1045	5.10 (3.80)	1095	5.60 (4.18)	1145	6.10 (4.55)	1190	6.60 (4.92)	1235	7.10 (5.30)	1275	7.60 (5.67)
7000 (3305)	675	2.35 (1.75)	755	2.90 (2.16)	825	3.40 (2.54)	890	3.95 (2.95)	950	4.45 (3.32)	1005	4.95 (3.69)	1055	5.40 (4.03)	1105	5.95 (4.44)	1155	6.45 (4.81)	1200	6.95 (5.18)	1240	7.45 (5.56)	1285	8.00 (5.97)

Blower Data - LCC180 - 300

BLOWER TABLE INCLUDES RESISTANCE FOR BASE UNIT ONLY WITH DRY INDOOR COIL & AIR FILTERS IN PLACE.

FOR ALL UNITS ADD:

- 1 - Wet indoor coil air resistance of selected unit.
2 - Any factory installed options air resistance (heat section)
3 - Any field installed accessories air resistance (duct resistance, diffuser, etc.)

Then determine from blower table motor output and drive required.

See page 31 for wet coil and option/accessory air resistance data.

MINIMUM AIR VOLUME REQUIRED FOR USE WITH OPTIONAL ELECTRIC HEAT

Units require 6000 cfm (2830 L/s) minimum air with electric heat.

Air Volume cfm (L/s)	Static Pressure External to Unit - Inches Water Gauge (Pa)																							
	.40 (100)		.60 (150)		.80 (200)		1.00 (250)		1.20 (300)		1.40 (350)		1.60 (400)		1.80 (450)		2.00 (495)		2.20 (545)		2.40 (595)		2.60 (645)	
	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)
7250 (3420)	690	2.60 (1.94)	765	3.10 (2.31)	835	3.65 (2.72)	900	4.15 (3.10)	955	4.65 (3.47)	1015	5.25 (3.92)	1065	5.75 (4.29)	1115	6.25 (4.66)	1160	6.75 (5.04)	1205	7.30 (5.45)	1250	7.85 (5.86)	1290	8.35 (6.23)
7500 (3540)	700	2.75 (2.05)	775	3.30 (2.46)	845	3.85 (2.87)	910	4.45 (3.32)	965	4.95 (3.69)	1020	5.50 (4.10)	1075	6.05 (4.51)	1125	6.60 (4.92)	1170	7.15 (5.33)	1215	7.65 (5.71)	1260	8.25 (6.15)	1300	8.75 (6.53)
7750 (3655)	715	3.00 (2.24)	790	3.55 (2.65)	855	4.10 (3.06)	920	4.70 (3.51)	975	5.25 (3.92)	1030	5.80 (4.33)	1080	6.35 (4.74)	1130	6.90 (5.15)	1180	7.50 (5.60)	1225	8.05 (6.01)	1265	8.60 (6.42)	1305	9.15 (6.83)
8000 (3775)	725	3.20 (2.39)	800	3.80 (2.83)	865	4.35 (3.25)	930	4.95 (3.69)	985	5.50 (4.10)	1040	6.10 (4.55)	1090	6.70 (5.00)	1140	7.25 (5.41)	1185	7.85 (5.86)	1230	8.40 (6.27)	1275	9.00 (6.71)	1315	9.60 (7.16)
8250 (3895)	740	3.40 (2.54)	810	4.00 (2.98)	880	4.65 (3.47)	940	5.25 (3.92)	995	5.85 (4.36)	1050	6.45 (4.81)	1100	7.05 (5.26)	1150	7.65 (5.71)	1195	8.25 (6.15)	1240	8.85 (6.60)	1280	9.40 (7.01)	1325	10.05 (7.50)
8500 (4010)	750	3.65 (2.72)	825	4.30 (3.21)	890	4.90 (3.66)	950	5.55 (4.14)	1005	6.15 (4.59)	1060	6.80 (5.07)	1110	7.40 (5.52)	1160	8.05 (6.01)	1205	8.65 (6.45)	1250	9.25 (6.90)	1290	9.85 (7.35)	1330	10.45 (7.80)
8750 (4130)	765	3.90 (2.91)	835	4.55 (3.39)	900	5.20 (3.88)	960	5.85 (4.36)	1015	6.45 (4.81)	1070	7.15 (5.33)	1120	7.75 (5.78)	1165	8.35 (6.23)	1215	9.05 (6.75)	1255	9.65 (7.20)	1300	10.30 (7.68)	1340	10.90 (8.13)
9000 (4245)	780	4.20 (3.13)	850	4.85 (3.62)	910	5.50 (4.10)	970	6.15 (4.59)	1025	6.80 (5.07)	1080	7.50 (5.60)	1130	8.15 (6.08)	1175	8.75 (6.53)	1220	9.40 (7.01)	1265	10.10 (7.53)	1310	10.80 (8.06)	1350	11.40 (8.50)
9250 (4365)	790	4.45 (3.32)	860	5.15 (3.84)	925	5.85 (4.36)	985	6.55 (4.89)	1040	7.20 (5.37)	1090	7.85 (5.86)	1140	8.55 (6.38)	1185	9.20 (6.86)	1230	9.85 (7.35)	1275	10.55 (7.87)	1315	11.20 (8.36)	---	---
9500 (4485)	805	4.75 (3.54)	875	5.45 (4.07)	935	6.15 (4.59)	995	6.90 (5.15)	1050	7.60 (5.67)	1100	8.25 (6.15)	1150	8.95 (6.68)	1195	9.60 (7.16)	1240	10.30 (7.68)	1285	11.05 (8.24)	---	---	---	---
9750 (4600)	820	5.05 (3.77)	885	5.75 (4.29)	950	6.55 (4.89)	1005	7.20 (5.37)	1060	7.95 (5.93)	1110	8.65 (6.45)	1160	9.40 (7.01)	1205	10.05 (7.50)	1250	10.80 (8.06)	1295	11.50 (8.58)	---	---	---	---
10000 (4720)	835	5.40 (4.03)	900	6.15 (4.59)	960	6.85 (5.11)	1015	7.60 (5.67)	1070	8.35 (6.23)	1120	9.05 (6.75)	1170	9.80 (7.31)	1215	10.50 (7.83)	1260	11.25 (8.39)	---	---	---	---	---	---
10250 (4835)	845	5.65 (4.21)	910	6.45 (4.81)	970	7.20 (5.37)	1030	8.00 (5.97)	1080	8.75 (6.53)	1135	9.55 (7.12)	1180	10.25 (7.65)	1225	11.00 (8.21)	---	---	---	---	---	---	---	---
10500 (4955)	860	6.00 (4.48)	925	6.85 (5.11)	985	7.65 (5.71)	1040	8.40 (6.27)	1095	9.20 (6.86)	1145	10.00 (7.46)	1190	10.70 (7.98)	1235	11.45 (8.54)	---	---	---	---	---	---	---	---
10750 (5075)	875	6.40 (4.77)	940	7.25 (5.41)	1000	8.05 (6.01)	1055	8.85 (6.60)	1105	9.65 (7.20)	1155	10.45 (7.80)	1200	11.20 (8.36)	---	---	---	---	---	---	---	---	---	---
11000 (5190)	890	6.80 (5.07)	950	7.60 (5.67)	1010	8.45 (6.30)	1065	9.30 (6.94)	1115	10.05 (7.50)	1165	10.90 (8.13)	---	---	---	---	---	---	---	---	---	---	---	---

Blower Data - LCA360

BLOWER TABLE INCLUDES RESISTANCE FOR BASE UNIT ONLY WITH DRY INDOOR COIL & AIR FILTERS IN PLACE.

FOR ALL UNITS ADD:

- 1 - Wet indoor coil air resistance of selected unit.
2 - Any factory installed options air resistance (heat section)
3 - Any field installed accessories air resistance (duct resistance, diffuser, etc.)

Then determine from blower table motor output and drive required.

See page 31 for wet coil and option/accessory air resistance data.

MINIMUM AIR VOLUME REQUIRED FOR USE WITH OPTIONAL ELECTRIC HEAT

Units require 10,500 cfm (4955 L/s) minimum air with electric heat.

****Bold Italics indicates field furnished drive***

Air Volume cfm (L/s)	Static Pressure External to Unit - Inches Water Gauge (Pa)																									
	.20 (50)		.40 (100)		.60 (150)		.80 (200)		1.00 (250)		1.20 (300)		1.40 (350)		1.60 (400)		1.80 (450)		2.00 (495)		2.20 (545)		2.40 (595)		2.60 (645)	
	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)
7500 (3540)	380	1.05 (.78)	465	1.50 (1.12)	540	1.90 (1.42)	600	2.30 (1.72)	660	2.70 (2.01)	715	3.15 (2.35)	765	3.60 (2.69)	810	4.00 (2.98)	855	4.45 (3.32)	895	4.90 (3.66)	935	5.35 (3.99)	975	5.85 (4.36)	1010	6.30 (4.70)
8000 (3775)	390	1.25 (.93)	475	1.65 (1.23)	545	2.10 (1.57)	610	2.55 (1.90)	665	2.95 (2.20)	720	3.45 (2.57)	770	3.90 (2.91)	815	4.35 (3.25)	860	4.85 (3.62)	900	5.30 (3.95)	940	5.75 (4.29)	980	6.30 (4.70)	1015	6.75 (5.04)
8500 (4010)	405	1.40 (1.04)	485	1.90 (1.42)	555	2.35 (1.75)	620	2.80 (2.09)	675	3.30 (2.46)	725	3.75 (2.80)	775	4.20 (3.13)	820	4.70 (3.51)	865	5.20 (3.88)	905	5.70 (4.25)	945	6.20 (4.63)	985	6.75 (5.04)	1020	7.25 (5.41)
9000 (4245)	415	1.60 (1.19)	495	2.10 (1.57)	565	2.60 (1.94)	625	3.10 (2.31)	685	3.60 (2.69)	735	4.10 (3.06)	785	4.60 (3.43)	830	5.10 (3.80)	870	5.60 (4.18)	915	6.15 (4.59)	955	6.70 (5.00)	990	7.20 (5.37)	1025	7.70 (5.74)
9500 (4485)	430	1.85 (1.38)	505	2.35 (1.75)	575	2.90 (2.16)	635	3.40 (2.54)	690	3.90 (2.91)	745	4.50 (3.36)	790	4.95 (3.69)	835	5.50 (4.10)	880	6.05 (4.51)	920	6.60 (4.92)	960	7.15 (5.33)	995	7.70 (5.74)	1035	8.30 (6.19)
10000 (4720)	445	2.10 (1.57)	520	2.65 (1.98)	585	3.20 (2.39)	645	3.75 (2.80)	700	4.30 (3.21)	750	4.85 (6.49)	800	5.40 (4.03)	845	5.95 (4.44)	885	6.50 (4.85)	925	7.05 (5.26)	965	7.65 (5.71)	1000	8.20 (6.12)	1040	8.85 (6.60)
10500 (4955)	455	2.35 (1.75)	530	2.95 (2.20)	595	3.50 (2.61)	655	4.10 (3.06)	710	4.70 (3.03)	760	5.25 (3.92)	805	5.80 (4.33)	850	6.40 (4.77)	895	7.00 (5.22)	935	7.60 (5.67)	970	8.15 (6.08)	1010	8.80 (6.56)	1045	9.40 (7.01)
11000 (4190)	470	2.60 (1.94)	545	3.25 (2.42)	605	3.85 (2.87)	665	4.45 (3.32)	720	5.10 (3.80)	765	5.66 (4.22)	815	6.30 (4.70)	860	6.90 (5.15)	900	7.50 (5.60)	940	8.10 (6.04)	980	8.75 (6.53)	1015	9.35 (6.98)	---	---
11500 (5425)	485	2.95 (2.20)	555	3.60 (2.69)	620	4.25 (3.17)	675	4.85 (3.62)	730	5.55 (4.14)	775	6.10 (4.55)	820	6.70 (5.00)	865	7.40 (5.52)	910	8.05 (6.01)	945	8.65 (6.45)	985	9.30 (6.94)	1020	9.95 (7.42)	---	---
12000 (5665)	500	3.30 (2.46)	570	4.00 (2.98)	630	4.65 (3.47)	685	5.30 (3.95)	740	6.00 (4.48)	785	6.60 (4.92)	830	7.25 (5.41)	875	7.95 (5.93)	915	8.60 (6.42)	955	9.25 (6.90)	995	9.95 (7.42)	1030	10.60 (7.91)	---	---
12500 (5900)	515	3.65 (2.72)	580	4.35 (3.25)	640	5.05 (3.77)	695	5.75 (4.29)	750	6.50 (4.85)	795	7.10 (5.30)	840	7.80 (5.82)	885	8.55 (6.38)	925	9.20 (6.86)	965	9.90 (7.39)	1000	10.55 (7.87)	1035	11.25 (8.39)	---	---
13000 (6135)	530	4.05 (3.02)	595	4.80 (3.58)	655	5.55 (4.14)	710	6.25 (4.66)	760	7.00 (5.22)	805	7.65 (5.71)	850	8.40 (6.27)	890	9.05 (6.75)	930	9.75 (7.27)	970	10.50 (7.83)	1010	11.30 (8.43)	---	---	---	---
13500 (6370)	545	4.45 (3.32)	610	5.25 (3.92)	665	6.00 (4.48)	720	6.75 (5.04)	770	7.50 (5.60)	815	8.25 (6.15)	860	9.00 (6.71)	900	9.70 (7.24)	940	10.45 (7.80)	980	11.20 (8.36)	---	---	---	---	---	---
14000 (6605)	560	4.90 (3.66)	620	5.70 (4.25)	680	6.55 (4.89)	730	7.30 (5.45)	780	8.10 (6.04)	825	8.85 (6.60)	870	9.65 (7.20)	910	10.40 (7.76)	950	11.15 (8.31)	---	---	---	---	---	---	---	---
14500 (6845)	575	5.40 (4.03)	635	6.25 (4.66)	690	7.05 (5.26)	745	7.90 (5.89)	790	8.65 (6.45)	835	9.45 (7.05)	880	10.30 (7.68)	920	11.10 (8.28)	---	---	---	---	---	---	---	---	---	---
15000 (7080)	590	5.90 (4.40)	650	6.80 (5.07)	705	7.65 (5.71)	755	8.50 (6.34)	800	9.30 (6.94)	845	10.10 (7.53)	890	11.00 (8.21)	---	---	---	---	---	---	---	---	---	---	---	---

Factory Installed Drive Kit Specifications

Model	Nom. Hp	Motor Effcy.	Max. Hp	Nom. kW	Max. kW	Drive Kit Number	RPM Range
180 - 210	3	Standard	3.45	2.2	2.6	A	535-725
						1	685-865
*180 -300	5	Standard or High	5.75	3.7	4.3	2	685-865
						*3	850-1045
						4	945-1185
180-300	7.5	Standard or High	8.63	5.6	6.4	5	945-1185
						6	1045-1285
						7	850-1045
240-300	10	Standard or High	11.5	7.5	8.6	6	1045-1285
						8	1135-1365
360	5	Standard or High	5.75	3.7	4.3	1	660-810
						2	770-965
	7.5	Standard or High	8.63	5.6	6.4	3	715-880
						4	770-965
	10	Standard or High	11.5	7.5	8.6	3	715-880
						5	850-1045

NOTE - Using total air volume and system static pressure requirements determine from blower performance tables rpm and motor output required. Maximum usable output of motors furnished are shown. In Canada, nominal motor output is also maximum usable motor output. If motors of comparable output are used, be sure to keep within the service factory limitation outline on the motor nameplate.

*Base Unit

Field/Factory Installed Accessory Air Resistance

Air Volume		Total Resistance																	
		Wet Indoor Coil						Electric Heat				Economizer				Horizontal Roof Mounting Frame			
		180/210/240		300		360		180-300		360		180-300		360		180-240		300-360	
cfm	L/s	in. w.g.	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.	Pa
4000	1890	.02	5	.04	10	---	---	---	---	---	---	---	---	---	---	.06	15	---	---
4250	2005	.02	5	.04	10	---	---	---	---	---	---	---	---	---	---	.07	17	---	---
4500	2125	.02	5	.05	12	---	---	---	---	---	---	---	---	---	---	.07	17	.02	5
4750	2240	.02	5	.05	12	---	---	---	---	---	---	---	---	---	---	.08	20	.03	7
5000	2360	.02	5	.05	12	---	---	---	---	---	---	---	---	---	---	.08	20	.03	7
5250	2475	.02	5	.06	15	---	---	---	---	---	---	---	---	---	---	.09	22	.04	10
5500	2595	.02	5	.07	17	---	---	---	---	---	---	---	---	---	---	.10	25	.04	10
5750	2715	.03	7	.07	17	---	---	---	---	---	---	---	---	---	---	.11	27	.05	12
6000	2830	.03	7	.08	20	---	---	.01	2	---	---	---	---	---	---	.11	27	.06	15
6250	2950	.03	7	.08	20	---	---	.01	2	---	---	.01	2	---	---	.12	30	.07	17
6500	3065	.03	7	.09	22	---	---	.01	2	---	---	.02	5	---	---	.13	32	.08	20
6750	3185	.04	10	.10	25	---	---	.01	2	---	---	.03	7	---	---	.14	35	.08	20
7000	3305	.04	10	.10	25	---	---	.01	2	---	---	.04	10	---	---	.15	37	.09	22
7250	3420	.04	10	.11	27	---	---	.01	2	---	---	.05	12	---	---	.16	40	.10	25
7500	3540	.05	12	.12	30	.07	17	.01	2	.03	7	.06	15	.02	5	.17	42	.11	27
8000	3775	.05	12	.13	32	.08	20	.02	5	.03	7	.09	22	.02	5	.19	47	.13	32
8500	4010	.06	15	.15	37	.08	20	.02	5	.04	10	.11	27	.03	7	.21	52	.15	37
9000	4245	.07	17	.16	40	.09	22	.04	10	.04	10	.14	35	.04	10	.24	60	.17	42
9500	4485	.08	20	.18	45	.10	25	.05	12	.05	12	.16	40	.04	10	.26	65	.19	47
10000	4720	.08	20	.20	50	.11	27	.06	15	.05	12	.19	47	.05	12	.29	72	.21	52
10500	4955	.09	22	.22	55	.12	30	.09	22	.06	15	.22	55	.06	15	.31	77	.24	60
11000	5190	.11	27	.24	60	.12	30	.11	27	.06	15	.25	62	.07	17	.34	85	.27	67
11500	5425	---	---	---	---	.13	32	---	---	.07	17	---	---	.08	20	---	---	*.30	75
12000	5665	---	---	---	---	.14	35	---	---	.07	17	---	---	.10	25	---	---	*.33	82
12500	5900	---	---	---	---	.15	37	---	---	.08	20	---	---	.11	27	---	---	*.37	92
13000	6135	---	---	---	---	.16	40	---	---	.08	20	---	---	.13	32	---	---	*.40	99
13500	6370	---	---	---	---	.17	42	---	---	.09	22	---	---	.14	35	---	---	*.44	109
14000	6605	---	---	---	---	.18	45	---	---	.10	25	---	---	.16	40	---	---	*.49	122
14,500	6845	---	---	---	---	.19	47	---	---	.10	25	---	---	.18	45	---	---	*.53	132
15,000	7080	---	---	---	---	.20	50	---	---	.11	27	---	---	.21	52	---	---	*.58	144

*For 360 models only.

Ceiling Diffuser Air Resistance

Air Volume		Total Resistance																							
		Step-Down Diffuser																		Flush Diffuser					
		RTD11-185						RTD11-275						LARTD30/36						FD11-185		FD11-275		LAFD30/36	
		2 Ends Open		1 Side/2 Ends Open		All Ends & Sides Open		2 Ends Open		1 Side/2 Ends Open		All Ends & Sides Open		2 Ends Open		1 Side/2 Ends Open		All Ends & Sides Open							
cfm	L/s	in. w.g.	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.	Pa	in. w.g.	Pa
5000	2360	.51	127	.44	109	.39	97	---	---	---	---	---	---	---	---	---	---	---	---	.27	67	---	---	---	---
5200	2455	.56	139	.48	119	.42	104	---	---	---	---	---	---	---	---	---	---	---	---	.30	75	---	---	---	---
5400	2550	.61	152	.52	129	.45	112	---	---	---	---	---	---	---	---	---	---	---	---	.33	82	---	---	---	---
5600	2645	.66	164	.56	139	.48	119	---	---	---	---	---	---	---	---	---	---	---	---	.36	90	---	---	---	---
5800	2735	.71	177	.59	147	.51	127	---	---	---	---	---	---	---	---	---	---	---	---	.39	97	---	---	---	---
6000	2830	.76	189	.63	157	.55	137	.36	90	.31	77	.27	67	---	---	---	---	---	---	.42	104	.29	72	---	---
6200	2925	.80	199	.68	169	.59	147	---	---	---	---	---	---	---	---	---	---	---	---	.46	114	---	---	---	---
6400	3020	.86	214	.72	179	.63	157	---	---	---	---	---	---	---	---	---	---	---	---	.50	124	---	---	---	---
6500	3065	---	---	---	---	---	---	.42	104	.36	90	.31	77	---	---	---	---	---	---	---	---	.34	85	---	---
6600	3115	.92	229	.77	191	.67	167	---	---	---	---	---	---	---	---	---	---	---	---	.54	134	---	---	---	---
6800	3210	.99	246	.83	206	.72	174	---	---	---	---	---	---	---	---	---	---	---	---	.58	144	---	---	---	---
7000	3305	1.03	256	.87	216	.76	189	.49	122	.41	102	.36	90	---	---	---	---	---	---	.62	154	.40	99	---	---
7200	3400	1.09	271	.92	229	.80	199	---	---	---	---	---	---	---	---	---	---	---	---	.66	164	---	---	---	---
7400	3490	1.15	286	.97	241	.84	209	---	---	---	---	---	---	---	---	---	---	---	---	.70	174	---	---	---	---
7500	3540	---	---	---	---	---	---	.51	127	.46	114	.41	102	.37	92	.31	77	.25	62	---	---	.45	112	.29	72
7600	3585	1.20	301	1.02	254	.88	219	---	---	---	---	---	---	---	---	---	---	---	---	.74	184	---	---	---	---
8000	3775	---	---	---	---	---	---	.59	147	.49	122	.43	107	.42	104	.36	90	.29	72	---	---	.50	124	.34	85
8500	4010	---	---	---	---	---	---	.69	172	.58	144	.50	124	.48	119	.41	102	.34	85	---	---	.57	142	.39	97
9000	4245	---	---	---	---	---	---	.79	196	.67	167	.58	144	.55	137	.47	117	.39	97	---	---	.66	164	.44	109
9500	4485	---	---	---	---	---	---	.89	221	.75	186	.65	162	.62	154	.53	132	.45	112	---	---	.74	184	.51	127
10000	4720	---	---	---	---	---	---	1.00	249	.84	209	.73	182	.70	174	.60	149	.51	127	---	---	.81	201	.57	142
10500	4955	---	---	---	---	---	---	1.10	273	.92	229	.80	199	.78	194	.68	169	.58	144	---	---	.89	221	.65	162
11000	5190	---	---	---	---	---	---	1.21	301	1.01	251	.88	219	.87	216	.76	190	.65	162	---	---	.96	239	.72	179
11500	5425	---	---	---	---	---	---	---	---	---	---	---	---	.97	241	.85	211	.73	182	---	---	---	---	.81	201
12000	5665	---	---	---	---	---	---	---	---	---	---	---	---	1.08	269	.94	234	.82	204	---	---	---	---	.90	223
12500	5900	---	---	---	---	---	---	---	---	---	---	---	---	1.19	296	1.04	259	.91	226	---	---	---	---	.99	246
13000	6135	---	---	---	---	---	---	---	---	---	---	---	---	1.30	323	1.15	286	1.00	249	---	---	---	---	1.10	274
13500	6370	---	---	---	---	---	---	---	---	---	---	---	---	1.43	356	1.26	313	1.10	374	---	---	---	---	1.20	298
14000	6605	---	---	---	---	---	---	---	---	---	---	---	---	1.56	388	1.38	343	1.20	298	---	---	---	---	1.31	326
14500	6845	---	---	---	---	---	---	---	---	---	---	---	---	1.69	420	1.50	373	1.31	326	---	---	---	---	1.43	356
15000	7080	---	---	---	---	---	---	---	---	---	---	---	---	1.84	457	1.63	405	1.43	356	---	---	---	---	1.56	388

Power Exhaust Fans Performance

180-300				360			
Return Air System Static Pressure		Air Volume Exhausted		Return Air System Static Pressure		Air Volume Exhausted	
in. w.g.	Pa	cfm	L/s	in. w.g.	Pa	cfm	L/s
0	0	8630	4070	0	0	12800	6040
.05	12	8210	3875	.05	12	12200	5760
.10	25	7725	3645	.10	25	11500	5430
.15	37	7110	3355	.15	37	10800	5100
.20	50	6470	3055	.20	50	9900	4670
.25	62	5790	2730	.25	62	9000	4250
.30	75	5060	2390	.30	75	7900	3730
.35	87	4300	2030	.35	87	6750	3190
.40	100	3510	1655	.40	100	5450	2570
.45	112	2690	1270	.45	112	4150	1960
.50	125	1840	870	.50	125	2900	1370

Blower Data - ARI Rated Air Flow

Model	LCC180	LCC210	LCC240	LCC300	LCA360
cfm	6000	6800	8000	9000	10500
L/s	2830	3210	3775	4080	4955

Guide Specifications

General - Furnish and install single package air to air DX mechanical cooling system complete with automatic controls. The single package 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 U.S. and Canada. The equipment shall be shipped precharged, piped and wired internally ready for field connections. The manufacturer shall test operate system at the factory before shipment.

Air Distribution - Equipment shall be capable of bottom (down-flow) or side (horizontal) handling of conditioned air. Horizontal air shall require optional horizontal conversion kit and a horizontal roof mounting frame.

Approvals - All electrical components shall have ETL and C.S.A. Listing. All wiring shall be in compliance with NEC and CEC. 180 through 240 models shall be certified in accordance with the ULE certification program, which is based on ARI Standard 340/360. 300 and 360 models shall be rated in accordance with ARI Standard 340/360.

Equipment Warranty - Compressors have a limited warranty for a full five years. All other components have a limited warranty for one year.

Cooling System - The coils shall be nonferrous construction with aluminum fins mechanically bonded to durable copper tubes. Coils shall be pressure leak tested. Compressors shall be resiliently mounted, have overload protection and crankcase heater(s). The refrigeration system shall have discharge, suction and liquid line service gauge ports, high pressure switch(es), low pressure switch(es), driers, freezestats, expansion valves and full refrigeration charge. All models shall have low ambient operation down to 0°F (-18°C).

Cabinet - Shall be galvanized steel with a powdered enamel paint finish electrostatically bonded to the metal. Cabinet panels where conditioned air is handled shall be fully insulated to prevent sweating and minimize sound. Openings shall be provided for power connection entry. Indoor coil condensate drain extended outside cabinet shall be provided. Lifting holes shall be provided for rigging. Bottom power entry shall be provided.

Service Access - Cabinet panels shall be hinged with tool-less access for compressor/heating/controls, blower and air filter/economizer compartments.

Supply Air Blowers - Centrifugal supply air blower shall be driven by a belt drive motor with ball bearings and adjustable drive. Blower assembly shall slide out for servicing. Belt drive motor mount base shall permit ease of motor changeover and belt tension adjustment. Blower wheel shall be statically and dynamically balanced.

Outdoor Coil Fan - Propeller type outdoor coil fan shall discharge vertically and be direct driven. Fan motor shall have ball bearings and be permanently lubricated and inherently protected. Fan shall have a safety guard.

Air Filters - Disposable 2 inch (51 mm) thick pleated filters shall be furnished.

Optional Accessories

Additive Electric Heaters - Electric heaters shall be available for field installation. Heating elements shall be nichrome bare wire exposed directly to the air stream. Time delays shall bring the elements on and off in sequence with a time delay between each element. Limit controls shall provide overload and short circuit protection.

Ceiling Diffusers - Furnish and install a (flush or stepdown) optional combination ceiling supply and return air diffuser. Supply and return transitions shall be available, for field installation in the roof mounting frame, to provide duct connections to the diffuser.

Coil Guards - Furnish and install galvanized steel coil guards.

Dirty Filter Switch - Furnish and install pressure switch that indicates dirty filter.

Economizer Section - Furnish and install economizer complete with recirculated air dampers, outside air dampers and controls. Low leakage dampers shall ride in nylon bearings. The economizer section shall provide for the introduction of outdoor air for minimum ventilation and free cooling. Integrated economizer control shall allow compressors to cycle for additional cooling, as needed. Damper actuator shall be opposing gear driven, 24 volt, fully modulating design. Plug-in control board shall consist of adjustable minimum positioner, enthalpy setpoint and DIP switches for setting type of control log used. Economizer control options shall consist of sensible temperature, global, outdoor enthalpy and differential enthalpy (outdoor and return air). Optional outdoor air hood (required) with filters shall be galvanized steel with a powdered enamel paint finish electrostatically bonded to the metal. Economizer shall be available for field installation.

Gravity Exhaust Dampers - Pressure operated dampers shall be available for field installation. Extruded aluminum dampers shall prevent blow-back and outdoor air infiltration during off cycle.

Hail Guards - Furnish and install heavy gauge, painted steel hail guards.

Horizontal Gravity Exhaust Dampers - Pressure operated dampers shall be available for field installation in the return air duct. Extruded aluminum dampers shall prevent blow-back and outdoor air infiltration during off cycle.

Indoor Air Quality Sensor - Furnish and field install sensor to monitor CO2 levels, relays information to Integrated Module Control which adjusts economizer dampers proportionately to the pollutant level.

Outdoor Air Damper Section - Optional outdoor dampers shall be available to provide outdoor air requirements of up to 25%. Models shall be available for manual or automatic operation. Dampers shall be opposing gear driven design. Motorized damper section shall install internal to the unit. Optional outdoor air hood (required) with filters shall be galvanized steel with a powdered enamel paint finish electrostatically bonded to the metal. Dampers shall be available for field installation.

Power Exhaust Fan - Shall be available for all models with economizer (down-flow applications only). Direct drive propeller type fan shall exhaust air through optional gravity exhaust damper (required). Motor shall be overload protected. Fan shall be field installed between economizer and gravity exhaust dampers.

Roof Mounting Frame (Down-Flow) - Furnish and install a steel roof mounting frame for bottom discharge and return air duct connection. It shall mate to the bottom perimeter of the equipment. When flashed into the roof it shall make a unit mounting curb and provide weatherproof duct connection and entry into the conditioned air. Flashing shall be the responsibility of the roofing contractor. Frame shall be approved by U.S. National Roofing Contractors Association.

Guide Specifications

Roof Mounting Frame (Down-Flow) - Furnish and install a steel roof mounting frame for side (horizontal) supply air duct connection. Return air shall be on unit cabinet. It shall mate to the bottom perimeter of the equipment. When flashed into the roof it shall make a unit mounting curb and provide weatherproof duct connection and entry into the conditioned air. Flashing shall be the responsibility of the roofing contractor.

Smoke Detectors - Furnish and field install photoelectric type smoke detector in either or both return air section and supply air section.

Terminal Block - Shall be required for units without disconnect switch but with single point power supply and electric heat.

Unit Fuse Block - Shall be required for units with single point power supply and electric heat.

Dimensions - LCC180-300 - inches (mm)

Shown with Electric Heat, Economizer Dampers, Power Exhaust Fan, Convenience Outlet, Disconnect
Corner Weights - lbs. (kg) ***Center of Gravity - inches (mm)***

Model Number	AA		BB		CC		DD	
	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg
180 Base Unit	450	204	460	209	620	281	600	272
180 Max. Unit	570	259	580	263	680	308	660	299
210 Base Unit	470	213	460	209	640	290	650	295
210 Max. Unit	600	272	590	268	700	318	730	331
240/300 Base Unit	480	218	510	231	700	318	660	299
240/300 Max. Unit	600	272	600	272	730	331	740	336

Base Unit – The standard unit with NO OPTIONS.

Max. Unit – The standard unit with ALL OPTIONS installed.

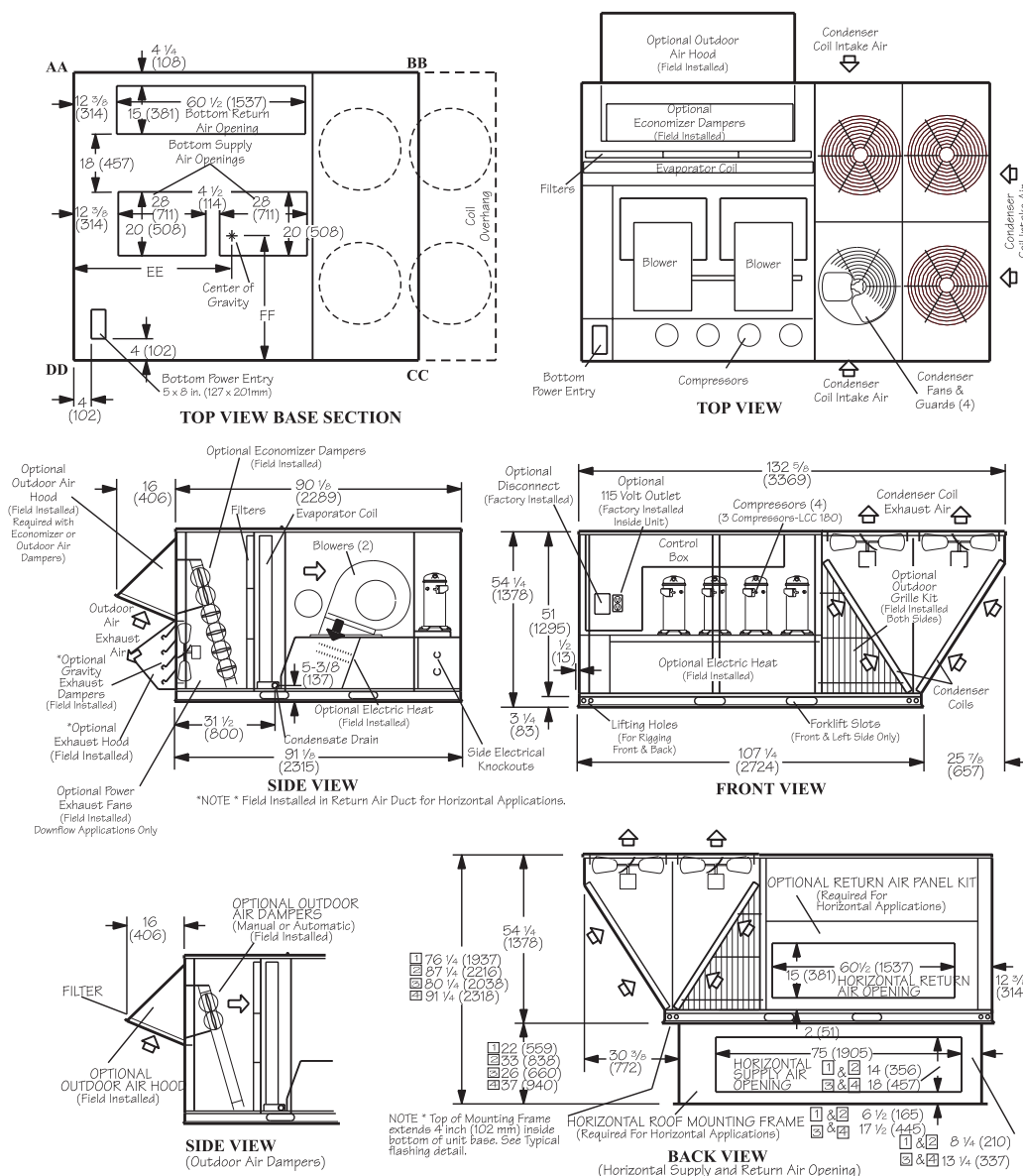
(Economizer, Power Exhaust Fans, High Input Heating, Controls)

Model No.	EE		FF	
	inch	mm	inch	mm
180 Base Unit	54 1/2	1384	38 1/2	978
180 Max. Unit	54 1/2	1384	42	1067
210 Base Unit	53	1346	38	965
210 Max. Unit	53	1346	41 1/2	1054
240/300 Base Unit	55 1/2	1410	38	965
240/300 Max. Unit	53 1/2	1359	41	1041

Base Unit – The standard unit with NO OPTIONS.

Max. Unit – The standard unit with ALL OPTIONS installed.

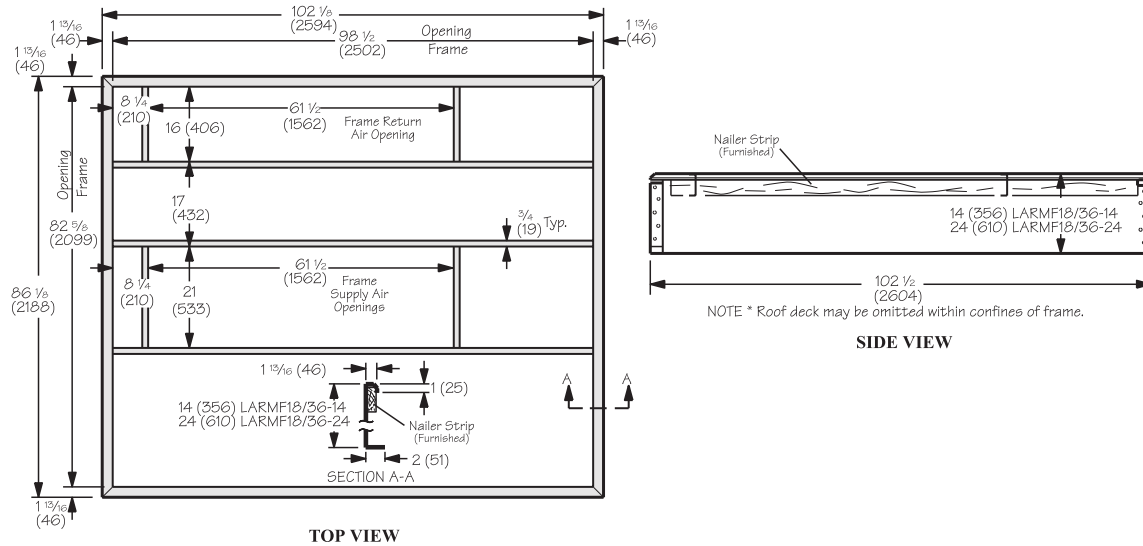
(Economizer, Power Exhaust Fans, High Input Heating, Controls)



1 LARMFH18/24-26 2 LARMFH18/24-37 3 LARMFH30/36-30 (used with 300S Models Only) 4 LARMFH30/36-40 (used with 300S Models Only)

Accessory Dimensions - LCC180-300 - inches (mm)

LARMF18/36-14 and LARMF18/36-24 Roof Mounting Frames with Double Duct Opening

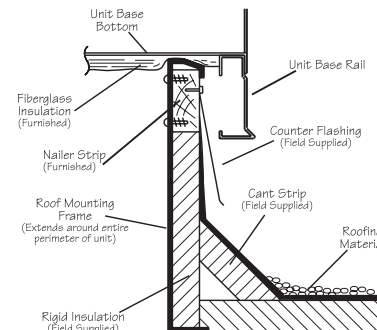


Roof Mounting frame is rigid enough to be spanned over its entire length or cantilevered if supported on both sides of center of gravity.

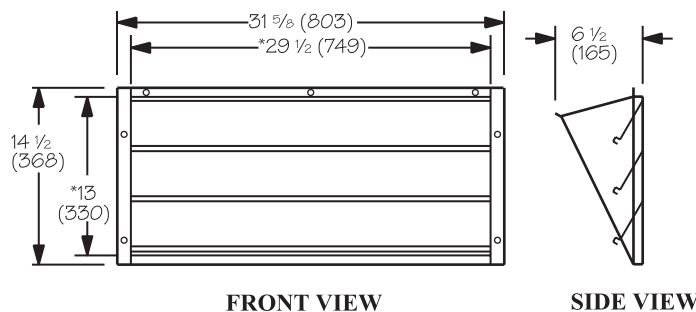
Roof Mounting Frame	LARMF18/36-14	LARMF18/36-24
*Moment of inertia (I) (in. ⁴) (cm ⁴)	39 (1634)	160 (6639)
*Section modulus I/C (in. ³) (cm ³)	5.5 (90)	13.1 (512)
Frame weight (lb/ft) (kg/m) of length	5.5 (8.2)	8.5 (12.7)
Design strength (psi) (kPa)	20,000 (137,900)	

*Includes both sides of frame

Typical Flashing for LARMF18/36 Roof Mounting Frames



LAGEDH18/24 Horizontal Gravity Exhaust Dampers Field Installed in Return Air Duct (two furnished per order no.)



*NOTE - Opening size required in return air duct.

Dimensions - LCA360 - inches (mm)

Shown with Electric Heat Economizer Dampers, Power Exhaust Fan, Convenience Outlet, Disconnect

Corner Weights - lbs. (kg)

Model Number	AA		BB		CC		DD	
	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg
360 Base Unit	569	258	626	284	899	408	816	370
360 Max. Unit	713	323	732	332	929	421	906	411

Base Unit – The standard unit with NO OPTIONS.

Max. Unit – The standard unit with ALL OPTIONS installed.

(Economizer, Power Exhaust Fans, High Input Heating, Controls)

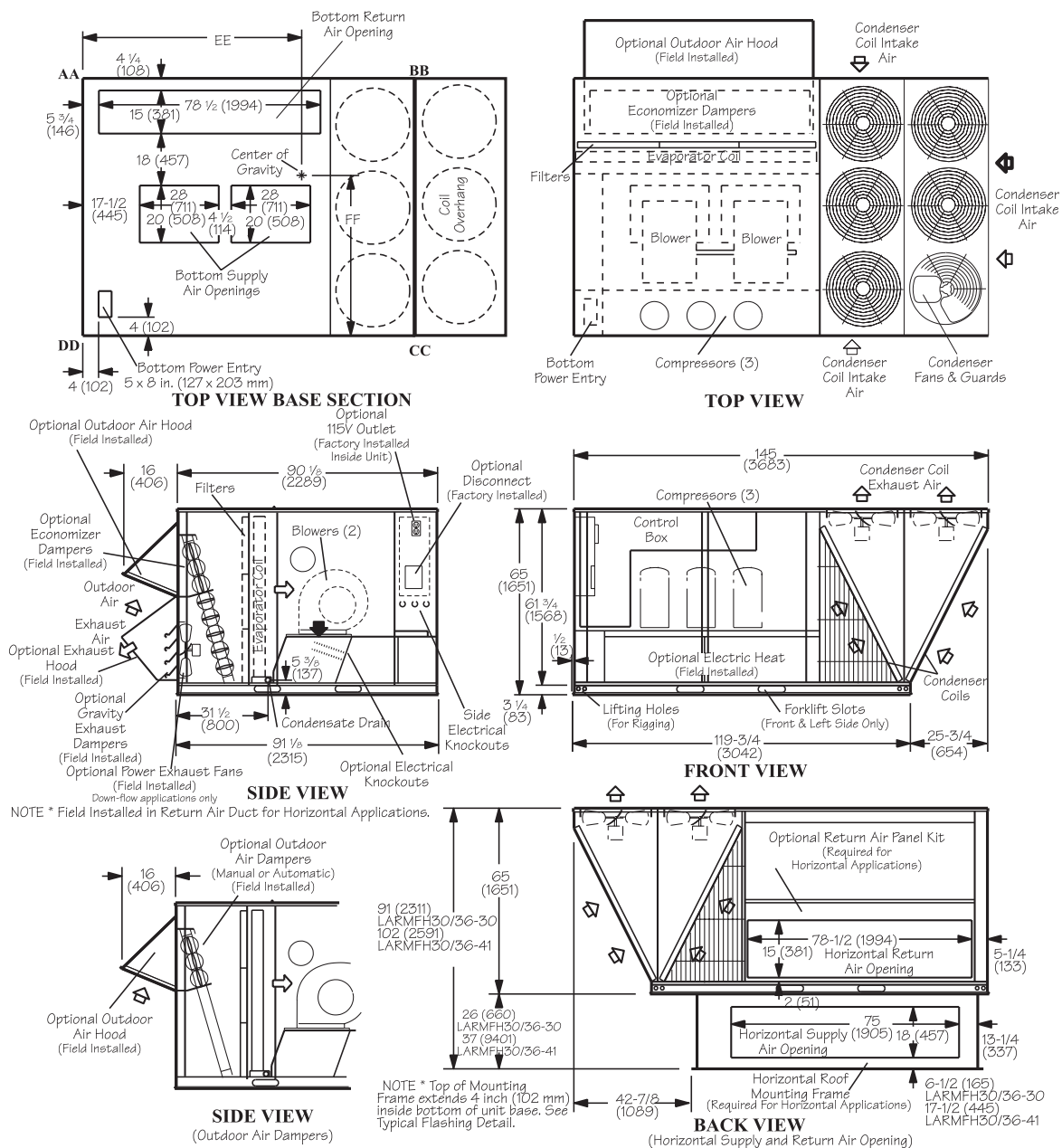
Center of Gravity - inches (mm)

Model No.	EE		FF	
	inch	mm	inch	mm
360 Base Unit	63 3/8	1610	37 1/4	946
360 Max. Unit	61 1/4	1556	40 1/8	1019

Base Unit – The standard unit with NO OPTIONS.

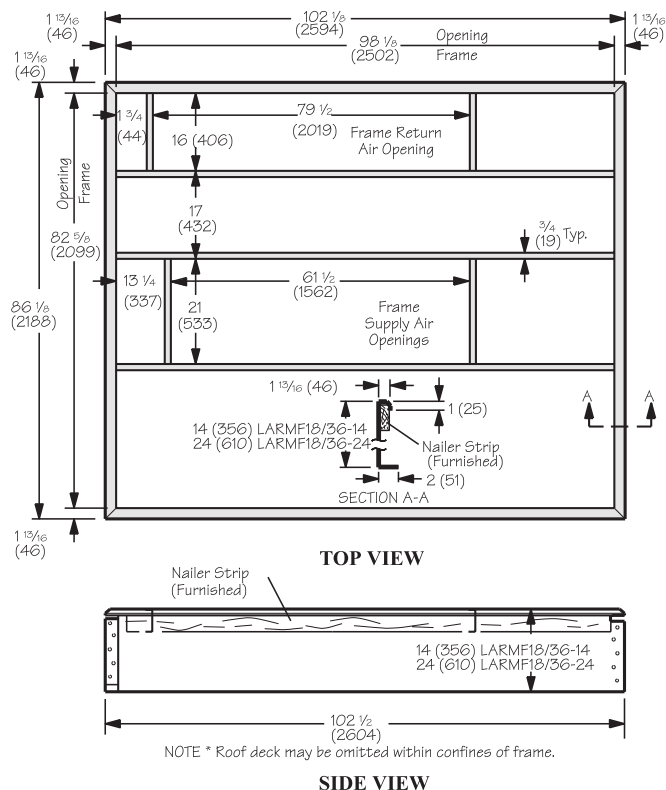
Max. Unit – The standard unit with ALL OPTIONS installed.

(Economizer, Power Exhaust Fans, High Input Heating, Controls)



Accessory Dimensions - inches (mm)

Combination Ceiling Supply and Return Diffusers

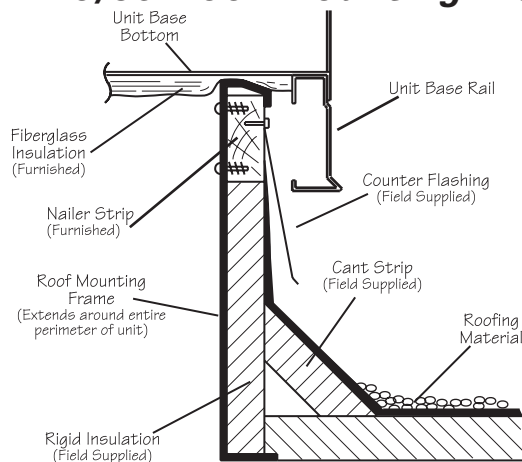


Roof Mounting frame is rigid enough to be spanned over its entire length or cantilevered if supported on both sides of center of gravity.

Roof Mounting Frame	LARMF18/36-14	LARMF18/36-24
*Moment of inertia (I) (in. ⁴) (cm ⁴)	39 (1634)	160 (6639)
*Section modulus I/C (in. ³) (cm ³)	5.5 (90)	13.1 (512)
Frame weight (lb/ft) (kg/m) of length	5.5 (8.2)	8.5 (12.7)
Design strength (psi) (kPa)	20,000 (137,900)	

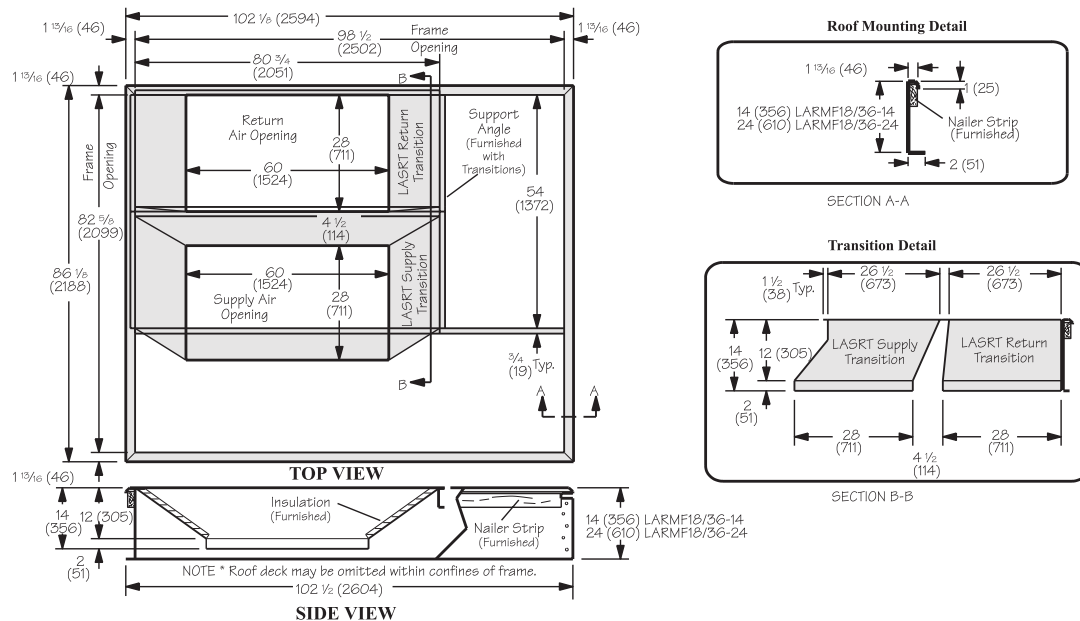
*Includes both sides of frame

Typical Flashing Detail for LARMF18/36 Roof Mounting Frames

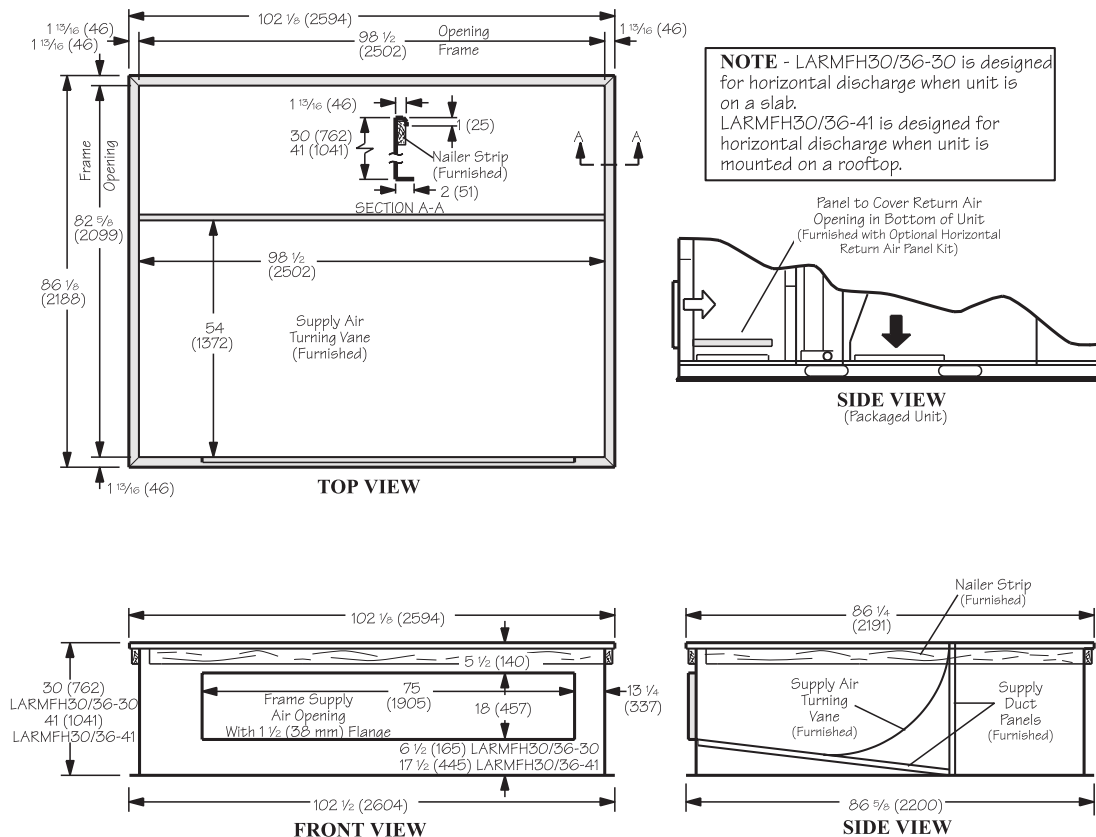


Accessory Dimensions - inches (mm)

LARMF18/36-14 and LARMF18/36-24 Roof Mounting Frames with LASRT36 Supply & Return Air Transitions for FD11 & RTD11 Ceiling Diffusers

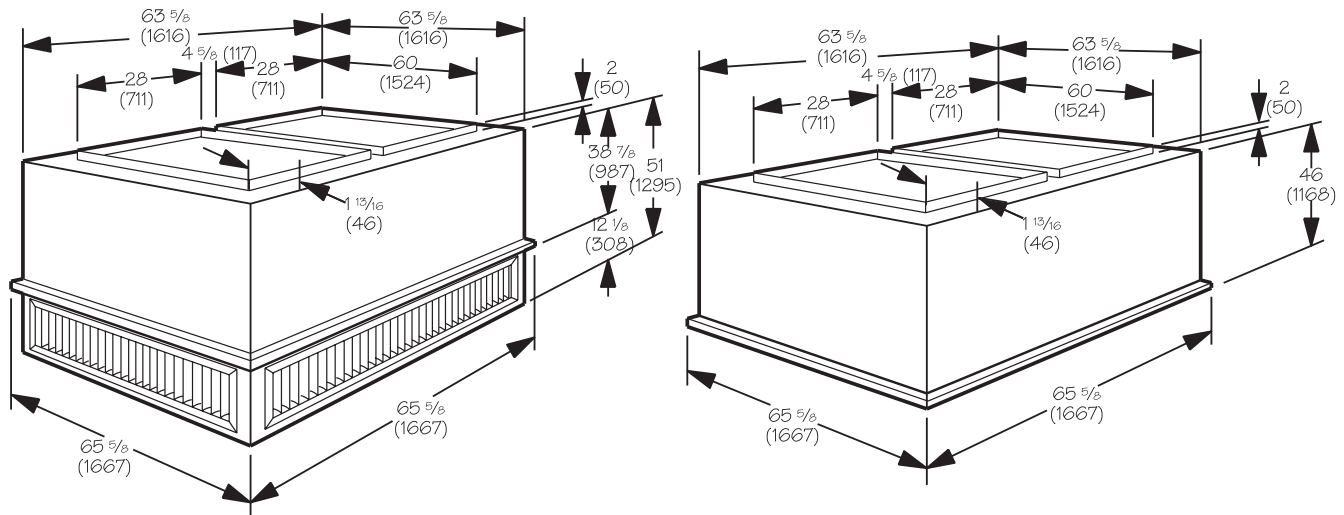


LARMF30/36 Horizontal Roof Mounting Frame Requires Optional Horizontal Return Air Panel Kit



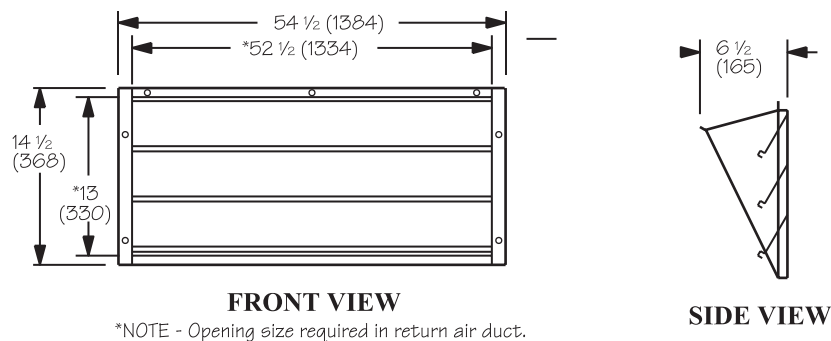
Accessory Dimensions - inches (mm)

Combination Ceiling Supply and Return Diffusers

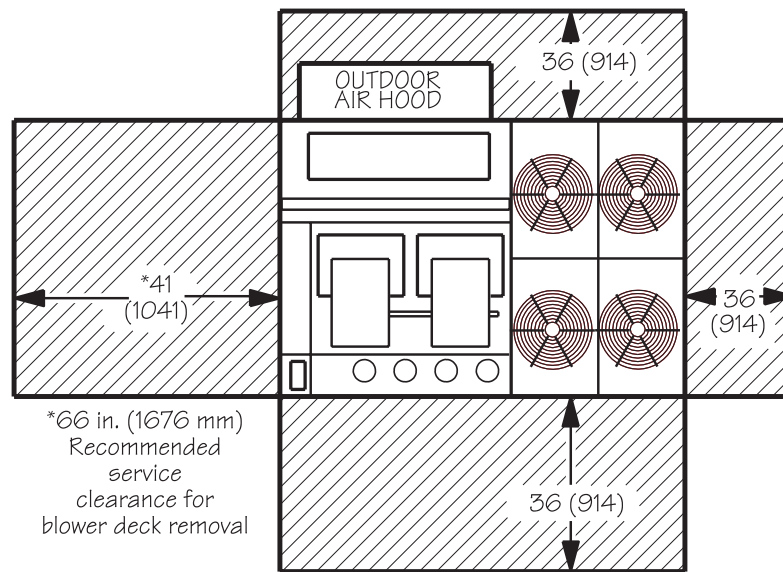


LAGEDH30/36 Horizontal Gravity Exhaust Dampers

Field Installed in Return Air Duct (two furnished per order no.)



Installation Clearances - LCC180-300 - inches (mm)

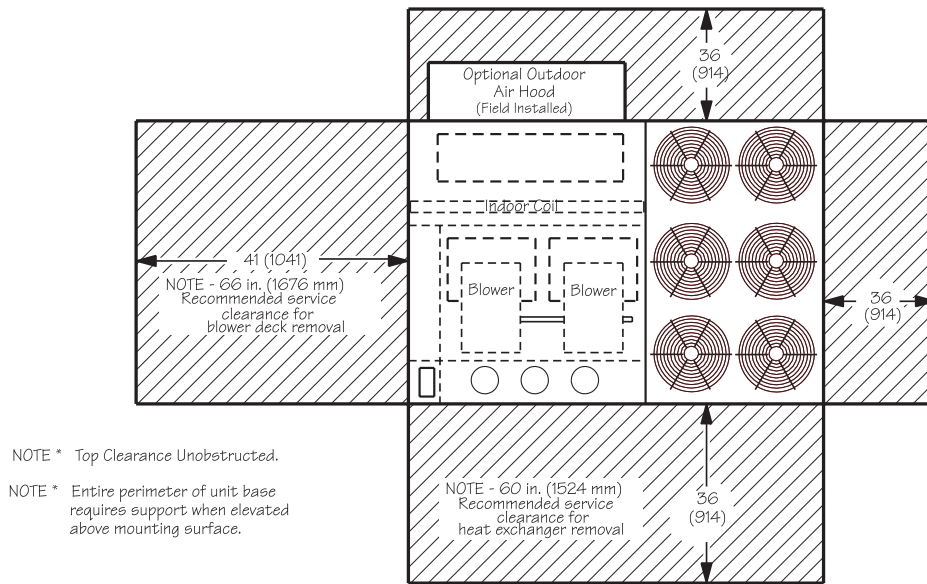


NOTE * Top Clearance Unobstructed.

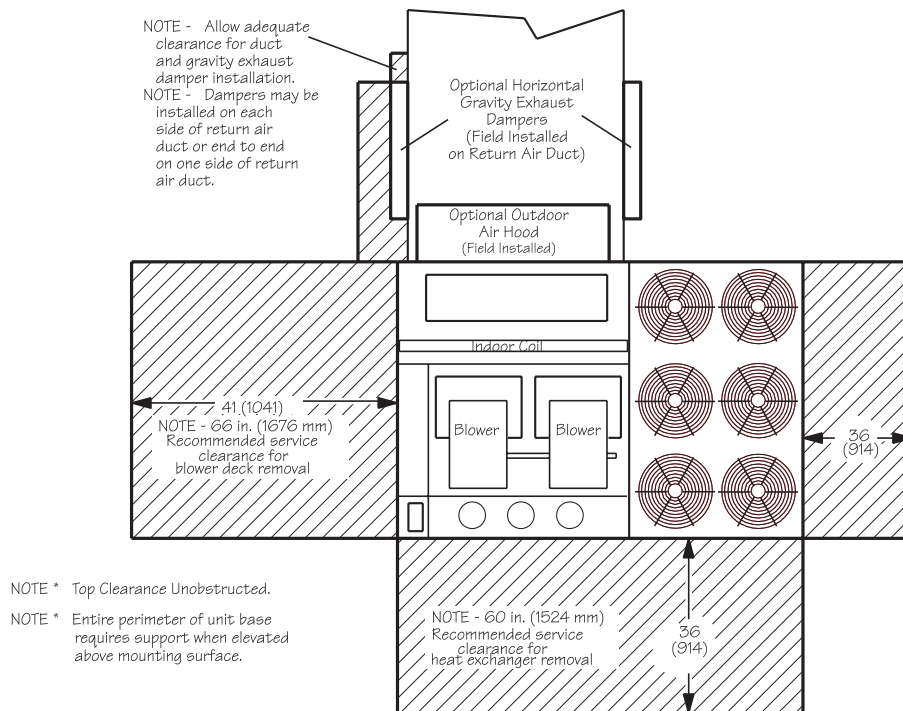
NOTE * Entire perimeter of unit base requires support when elevated above mounting surface.

Installation Clearances - LCC360 - inches (mm)

Unit with Economizer



Unit with Horizontal Gravity Exhaust Dampers



All specifications are subject to change without notice.

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Armstrong Air Conditioning Inc.
421 Monroe Street • Bellevue, OH 44811
(419) 483-4840

