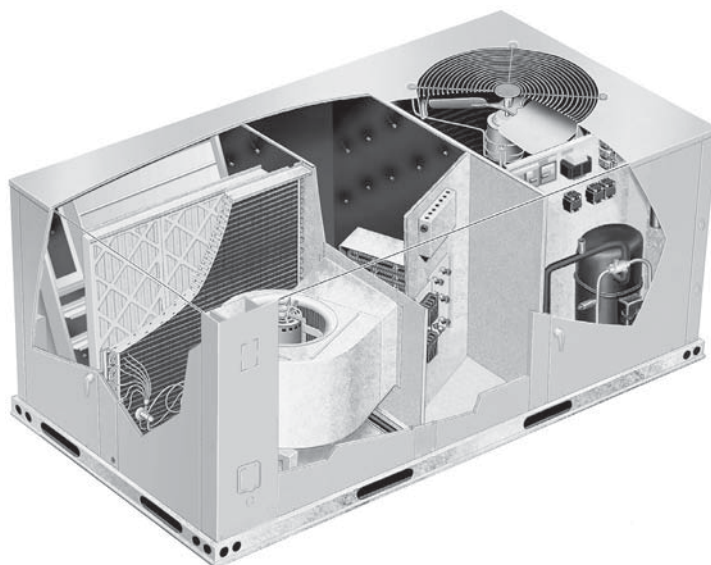


036, 042, 048, 060 & 072 Models
3 to 6 Tons Cooling Capacity
7 to 30 kW Optional Electric Heat



FEATURES

- ◆ Down flow (shipped from factory) or horizontal supply and return air configuration
- ◆ ETL and C.S.A. listed, efficiency rating verified by C.S.A., components bonded for grounding to meet safety standards for servicing required by U.L., U.L.C. and National and Canadian Electrical Codes.
- ◆ ARI Standard 210/240-94 certified (3 thru 5 tons only) 6 ton models are certified in accordance with ULE certification program, which is based on ARI Standard 340/360-2000
- ◆ Bottom or horizontal (through horizontal access knockouts) power entry for electric lines
- ◆ Heavy gauge galvanized steel cabinet, all panels adjacent to conditioned space are fully insulated, enamel paint finish, large removable access panels, electrical inlets in cabinet base and electric heat end panel, easy access control area with factory installed controls, low voltage terminal strip, unit lifting holes in base rail
- ◆ Hinged access panels for heating area, compressor/controls access, air filter/economizer, gaskets on all edges for tight seal, blower access panels and air filter/economizer access panel are insulated with fiberglass insulation
- ◆ 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
- ◆ Reciprocating and Copeland Scroll type compressor for high efficiency, resiliently mounted
- ◆ Compressor crankcase heater
- ◆ Integrated Modular Control (IMC) - solid state board contains all controls and control relays to operate unit
- ◆ Tubular heat exchanger of aluminized steel, life cycle tested
- ◆ 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
- ◆ Supply Air Motor - overload protected, equipped with ball bearings
- ◆ Disposable 2" MERV7 (Minimum Efficiency Reporting Value based on ASHRAE52.2) pleated filters furnished
- ◆ 1 Year warranty on parts
- ◆ 5 Year warranty on compressor
- ◆ 3 Year warranty on the Integrated Modular Control

Model Number Guide

	L	C	-	A	-	072	-	S	2	B	-	1	Y	
Unit Type														Voltage
L = Commercial Package Unit														Y = 208/230v-3 phase-60hz
														G = 460v-3 phase-60hz
C = Cooling Only (w/opt Electric Heat)														J = 575v-3 phase-60hz
Major Design Sequence														Minor Revision Number
Cooling Capacity Tons (kW)														Heat Type (S or H)
036 = 3 (10.6)														
042 = 3.5 (12.3)														B = Belt Drive
048 = 4 (14.1)														D = Direct Drive
060 = 5 (17.6)														
072 = 6 (21.1)														2 = R22
Cooling Efficiency														
S = Standard Efficiency														

Required Selections - Items Must be Specified when Unit is Ordered

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

Supply Air Blower - Order one, (See Blower Data Table for specifications)

Drive Kit - Order one, see Drive Kit Specifications Table

Optional Accessories - Items Must be Ordered and Factory Installed

Item	
Disconnect Switch - Accessible from outside of unit, spring loaded weatherproof cover furnished	Factory
Service Outlets (2) - 115v ground fault circuit interrupter (GFCI) type	Factory

Weight Data

Model No.	Net		Shipping	
	lbs.	kg	lbs.	kg
LCA036/LCA042	645	292	775	351
LCA048	675	306	805	365
LCA060	685	310	815	370
LC072	676	307	806	366

Optional Accessories - Field Installed

Item	LCC036	LCC042	LCC048	LCC060	LCC072
Blower Proving Switch - Monitors blower operation, shuts down unit if blower fails	18L89				
Dirty Filter Switch - Senses static pressure increase indicating dirty filter condition	30K48				
Down-Flow Gravity Exhaust Dampers - Allows relief of excess air, aluminum blade dampers prevent blow back and outdoor air infiltration during off cycle, bird screen furnished, see below for damper hood - Net Weight	LAGED03/07 - (62K61) 8 lbs. (4 kg)				
Down-Flow Gravity Exhaust Damper Hood - Net Weight	28L51 - 15 lbs. (7 kg)				
Horizontal Gravity Exhaust Dampers - Allows relief of excess air, aluminum blade dampers prevent blow back and outdoor air infiltration during off cycle, field installed in return air duct, bird screen and hood furnished.Two dampers furnished - Net Weight	LAGEDH03/07 - (62K70) 8 lbs. (4 kg)				
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, optional down-flow gravity exhaust dampers available (see above), choice of economizer controls (see below) - Net Weight NOTE: Outdoor air hood must be ordered separately (see below)	LAREMD03/07 - (62K67) 34 lbs. (15 kg)				
Economizer Control Choice - Sensible Control - Furnished in IMC board in unit, uses outdoor air sensor furnished with unit to measure outdoor air temperature and control damper position (Furnished) Global Control - Furnished in IMC board in unit, used with Direct Digital Control (DDC) systems, uses global air sensor to control damper position, determine 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) Outdoor (16K97) Differential				
Electric Heat - Field installed, helix wound nichrome elements, time delay for element staging, individual element limit controls, wiring harness, may be two-stage controlled. NOTE: Requires Unit/Electric Heat Fuse Block, LBT2 Terminal Block and Electric Heat Sub-Fuse Box (LCA Models)	See Electric Heat Data Tables				
Electric Heat Sub-Fuse Box - Required with electric heat.	See Electric Heat Data Tables				
Unit/Electric Heat Fuse Block - Required with Electric Heat, Mounting screws furnished, field installed in Sub-Fuse Box	See Optional Electric Heat Accessories Table (LCA Models)				
Electric Heat LTB2 Terminal Block - Required with electric heat.					
Outdoor Air Damper Section - Linked mechanical dampers, 0 to 25% (fixed) outdoor air adjustable, installs in unit for down-flow applications NOTE: Outdoor air hood must be ordered separately (see below)	Automatic - fully modulating spring return damper motor with plug in connection	LAOADM03/07 - (62K69) 24 lbs. (11 kg)			
	Manual - Slide damper	LAOAD03/07 - (62K68) 4 lbs. (2 kg)			
Outdoor Air Hood - Required with LAREMD03/07 Economizer, LAOAD03/07 and LAOADM03/07 Outdoor Air Damper Sections. One cleanable aluminum mesh fresh air filter furnished - Net Weight	LAOAH03/07 - 18 lbs. (8 kg) (62K70) - Filter size - 16 x 25 x 1 in. (406 x 635 x 25 mm)				
Smoke Detector - Photoelectric type, installed in supply air section or return air section or both sections	41L85 - Supply 41L86 - Return				

Optional Accessories - Field Installed

Item		LCC036	LCC042	LCC048	LCC060	LCC072
Coil Guards - Painted, galvanized steel wire guards to protect outdoor coil. Not used with Hail Guards		28L52				
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	RTD9-65 - 67 lbs. (30 kg) (27G87)			RTD11-95 (29G04) 88 lbs. (40 kg)	
	Flush - fixed blade louvers	FD9-65 - 37 lbs. (17 kg) (27G86)			FD11-95 (29G08) 75 lbs. (34 kg)	
Transitions (Supply and Return) - Used with diffusers, installs in roof mounting frame, galvanized steel construction, flanges furnished for duct connection, fully insulated - Net Weight		LASRT03/06 - 28 lbs. (13 kg) (28L50)			LASRT07 (48J27) 28 lbs. (13 kg)	
Down-flow Roof Mounting Frame - Nail strip furnished, mates to unit, U.S. National Roofing Contractors Approved, shipped knocked down - Net Weight	14 inch (356 mm) height	LARMF03/07-14 - (45L19) 100 lbs (45 kg)				
	24 inch (610 mm) height	LARMF03/07-24 - (29L66) 172 lbs. (78 kg)				
Fresh Air Tempering Kit		45L78				
Hail Guards - Constructed of heavy gauge steel, painted to match cabinet, helps protect outdoor coils from hail damage. Not used with Coil Guards.		28L53				
Indoor Air Quality (CO²) Sensor - Monitors CO ² levels, reports to Integrated Modular Control (IMC) board which adjusts economizer dampers as needed.	CO ² Sensor Duct Mounting Kit	85L34				
	Sensor - white case CO ² display	77N39				
	Sensor - white case no display	87N53				
	Sensor - black case CO ² display	87N52				
	Sensor - duct mounted, black, no display	87N54				
	Aspiraton Box for duct mounting	90N43				
	Handheld CO ² Monitor	70N93				
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 No. - Net Weight	LAPEF03/07 - 69 lbs. (31 kg) 208/230v-3ph (62K63) 460v-3ph (62K64) 575v-3ph (62K65)				
	Dia. - in. (mm) No. Blades	14 (36) - 4				
	Total air volume - cfm (L/s)	1900 (895)				
	Motor Horsepower (W)	1/2 (375)				
	Total Watts Input	385				

Specifications

Model No.			LCC036	LCC042	LCC048	LCC060	LCC072
Nominal Tonnage			3	3.5	4	5	6
Type of Compressor			Reciprocating	Reciprocating	Reciprocating	Reciprocating	Scroll
Cooling Ratings	Gross Cooling Capacity - Btuh (kW)		37,400 (11.0)	43,200 (12.7)	49,500 (14.5)	60,000 (17.6)	76,000 (22.3)
	Net Cooling Capacity - Btuh (kW)		¹ 36,000 (10.5)	¹ 41,500 (12.2)	¹ 47,500 (13.9)	¹ 57,500 (16.8)	² 72,000 (21.1)
	Total Unit Power (kW)		3.5	4.0	4.6	6.5	7.0
	SEER (Btuh/Watt)		11.5	11.25	11.75	11.0	---
	EER (Btuh/Watt)		10.4	10.3	10.4	9.5	10.3
³ Sound Rating Number (db)			82	82	82	82	82
Refrigerant Charge Furnished (HCFC-22)			6 lbs. 8 oz. (2.95 kg)	6 lbs. 4 oz. (2.83 kg)	7 lbs. 10 oz. (3.46 kg)	8 lbs. 4 oz. (3.74 kg)	9 lbs. 5 oz. (4.22 kg)
Evaporator Blower and Drive Selection	Blower wheel nominal dia. x width - in. (mm)		11 1/2 x 9 (292 x 229)				
	1.5 hp (1.1 kW) ⁴ Motor & Drives	Nominal motor horepower (kW)	1.5 (1.1)				
		Max. usable motor output - hp (kW)	1.72 (1.3)				
		Voltage & phase	208/230v, 460v or 575v - 3ph				
		(Drive kit #) RPM range	(1) 615 - 920 or (2) 800 - 1105				
		2 hp (1.5 kW) ⁴ Motor and Drives	Nominal motor horepower (kW)	2 (1.5)			
	Max. usable motor output - hp (kW)		2.3 (1.7)				
	Voltage & phase		208/230v, 460v or 575v - 3 ph				
	(Drive kit #) RPM range		(3) 920 - 1230				
	3 hp (2.2 kW) ⁴ Motor & Drives	Nominal motor horepower (kW)	3 (2.2)				
		Max. usable motor output - hp (kW)	3.45 (2.6)				
		Voltage & phase	208/230v, 460v or 575v - 3 ph				
		(Drive kit #) RPM range	(4) 1070 - 1325				
Evaporator Coil	Net face area - sq. ft. (m2)		6.25 (.58)				
	Tube diameter - in. (mm) & No. of rows		3/8 (9.5) - 2				3/8 (9.5) - 3
	Fins per inch (m)		15 (591)				
	Drain connection no. & size - in. (mm) fpt		(1) 3/4 (19)				
	Expansion device type		Balanced Port Thermostatic Expansion Valve, replaceable thermostatic element				
Condenser Coil	Net face area - sq. ft. (m2)		14.6 (1.35)				
	Tube diameter - in. (mm) & No. of rows		3/8 (9.5) - 1.3		3/8 (9.5) - 2		
	Fins per inch (m)		20 (787)				
Condenser Fans	Diameter - in. (mm) & No. of blades		24 (610) - 3				
	Total Air volume - cfm (L/s)		4200 - (1980)				
	Motor horsepower (W)		1/3 (248)				
	Motor rpm		1075				
	Total Motor watts		320		360		
Filters (furnished)	Type of filter		Disposable MERV7 Pleated				
	No. and size - in. (mm)		(2) 16 x 25 x 2 (406 x 635 x 51)				
Electrical characteristics			208/230v, 460v or 575v - 60 hz - 3 ph				

¹Certified in accordance with the USE 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.

²Certified in accordance with 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.

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

³Sound Rating Number rated in accordance with test conditions included in ARI Standard 270.

⁴Using 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 factor limitations outlined on the motor nameplate.

Electrical Data - 3 Phase - LCC036

Model No.			LCC036											
Line voltage data - 60 hz.			208/230v				460v				575v			
Compressor	Rated load amps each		10.3				5.1				4.2			
	Locked rotor amps each		77.0				39.0				31			
Outdoor Fan Motor	Full load amps		2.4				1.3				1.0			
	Locked rotor amps		4.7				2.4				1.9			
Indoor Blower Motor	Motor Output	hp	.75	1.5	2	3	.75	1.5	2	3	.75	1.5	2	3
		kW	.56	1.1	1.5	2.2	.56	1.1	1.5	2.2	.56	1.1	1.5	2.2
	Full load amps		5.4	5.7	7.5	10.6	2.7	2.8	3.4	4.8	2.7	2.4	2.7	3.9
	Locked rotor amps		10	40	46.9	66	5.4	20	20.4	26.8	5.4	15	16.2	23.4
Rec. max. fuse size (amps)	With Exhaust Fan		35	35	35	40	15	15	15	15	15	15	15	15
	Less Exhaust Fan		30	30	30	35	15	15	15	15	15	15	15	15
*Minimum Circuit Ampacity	With Exhaust Fan		26	26	28	31	13	13	13	15	11	11	11	12
	Less Exhaust Fan		21	21	23	26	10	11	11	13	9	9	9	11
Optional Power Exhaust Fan	Horsepower (W)		1/2 (363)											
	Full load amps		4.4				1.7				1.7			
	Locked rotor amps		4.7				4.1				4.1			
Service Outlet (2) 115 volt GFCI (amp rating)			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 - 3 Phase - LCC042

Model No.			LCC042											
Line voltage data - 60 hz.			208/230v				460v				575v			
Compressor	Rated load amps each		12.4				5.8				4.8			
	Locked rotor amps each		88				44				34			
Outdoor Fan Motor	Full load amps		2.4				1.3				1.0			
	Locked rotor amps		4.7				2.4				1.9			
Indoor Blower Motor	Motor Output	hp	.75	1.5	2	3	.75	1.5	2	3	.75	1.5	2	3
		kW	.56	1.1	1.5	2.2	.56	1.1	1.5	2.2	.56	1.1	1.5	2.2
	Full load amps		5.4	5.7	7.5	10.6	2.7	2.8	3.4	4.8	2.7	2.4	2.7	3.9
	Locked rotor amps		10	40	46.9	66	5.4	20	20.4	26.8	5.4	15	16.2	23.4
Rec. max. fuse size (amps)	With Exhaust Fan		40	40	40	45	15	15	15	20	15	15	15	15
	Less Exhaust Fan		35	35	35	40	15	15	15	15	15	15	15	15
*Minimum Circuit Ampacity	With Exhaust Fan		28	28	30	33	13	14	14	16	12	12	12	13
	Less Exhaust Fan		24	24	26	29	12	12	12	14	10	10	10	11
Optional Power Exhaust Fan	Horsepower (W)		1/2 (363)											
	Full load amps		4.4				1.7				1.7			
	Locked rotor amps		4.7				4.1				4.1			
Service Outlet (2) 115 volt GFCI (amp rating)			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 - 3 Phase - LCC048

Model No.			LCC048											
Line voltage data - 60 hz.			208/230v				460v				575v			
Compressor	Rated load amps each		12.2				6.4				5.1			
	Locked rotor amps each		91				46				37			
Outdoor Fan Motor	Full load amps		2.4				1.3				1.0			
	Locked rotor amps		4.7				2.4				1.9			
Indoor Blower Motor	Motor Output	hp	.75	1.5	2	3	.75	1.5	2	3	.75	1.5	2	3
		kW	.56	1.1	1.5	2.2	.56	1.1	1.5	2.2	.56	1.1	1.5	2.2
	Full load amps		5.4	5.7	7.5	10.6	2.7	2.8	3.4	4.8	2.7	2.4	2.7	3.9
	Locked rotor amps		10	40	46.9	66	5.4	20	20.4	26.8	5.4	15	16.2	23.4
Rec. max. fuse size (amps)	With Exhaust Fan		40	40	40	45	20	20	20	20	15	15	15	15
	Less Exhaust Fan		35	35	35	40	15	15	15	15	15	15	15	15
*Minimum Circuit Ampacity	With Exhaust Fan		28	28	30	33	14	14	15	16	12	12	12	13
	Less Exhaust Fan		24	24	26	29	12	13	13	15	11	10	11	12
Optional Power Exhaust Fan	Horsepower (W)		1/2 (363)											
	Full load amps		4.4				1.7				1.7			
	Locked rotor amps		4.7				4.1				4.1			
Service Outlet (2) 115 volt GFCI (amp rating)			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 - 3 Phase - LCC060

Model No.			LCC060											
Line voltage data - 60 hz.			208/230v				460v				575v			
Compressor	Rated load amps each		15.4				7.4				5.9			
	Locked rotor amps each		124				59.6				49.4			
Outdoor Fan Motor	Full load amps		2.4				1.3				1.0			
	Locked rotor amps		4.7				2.4				1.9			
Indoor Blower Motor	Motor Output	hp	.75	1.5	2	3	.75	1.5	2	3	.75	1.5	2	3
		kW	.56	1.1	1.5	2.2	.56	1.1	1.5	2.2	.56	1.1	1.5	2.2
	Full load amps		5.4	5.7	7.5	10.6	2.7	2.8	3.4	4.8	2.7	2.4	2.7	3.9
	Locked rotor amps		10	40	46.9	66	5.4	20	20.4	26.8	5.4	15	16.2	23.4
Rec. max. fuse size (amps)	With Exhaust Fan		45	45	45	50	20	20	20	20	15	15	15	15
	Less Exhaust Fan		40	40	40	45	20	20	20	20	15	15	15	15
*Minimum Circuit Ampacity	With Exhaust Fan		32	32	34	37	15	16	16	18	13	13	13	14
	Less Exhaust Fan		28	28	30	33	14	14	14	16	12	11	12	13
Optional Power Exhaust Fan	Horsepower (W)		1/2 (363)											
	Full load amps		4.4				1.7				1.7			
	Locked rotor amps		4.7				4.1				4.1			
Service Outlet (2) 115 volt GFCI (amp rating)			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 - 3 Phase - LCC072

Model No.				LCC072							
Line voltage data - 60 hz. - 3 phase				208/230v			460v			575v	
Compressor	Rated load amps each		20.7			9.0			7.4		
	Locked rotor amps each		156.0			70			54.0		
Outdoor Fan Motor	Full load amps		2.4			1.3			1.0		
	Locked rotor amps		4.7			2.4			1.9		
Indoor Blower Motor	Motor Output	hp	1.5	2	3	1.5	2	3	1.5	2	3
		kW	1.1	1.5	2.2	1.1	1.5	2.2	1.1	1.5	2.2
	Full load amps		5.7	7.5	10.6	2.8	3.4	4.8	2.4	2.7	3.9
	Locked rotor amps		40	46.9	66	20	20.4	26.8	15	16.2	23.4
Rec. max. fuse size (amps)	With Exhaust Fan		50	60	60	25	25	25	20	20	20
	Less Exhaust Fan		50	50	50	20	20	25	20	20	20
*Minimum Circuit Ampacity	With Exhaust Fan		39	41	44	18	18	20	15	15	16
	Less Exhaust Fan		34	36	39	16	16	18	13	13	15
Optional Power Exhaust Fan	Horsepower (W)		1/2 (363)								
	Full load amps		4.4			1.7					
	Locked rotor amps		4.7			4.1					
Service Outlet (2) 115 volt GFCI (amp rating)			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

Unit Model No.				LCC036	LCC042	LCC048	LCC060	LCC072
Electric Heat	Model No			EHA (see Electric Heat Data tables for additional information)				
	kW Input Range			7,10, 15 and 20			7, 10, 15, 20 and 25	10, 15, 20, 25 and 30
Unit Fuse Block (3 phase)	With Power Exhaust Fans	.75 hp (.56 kW)	208/230v-3ph	26L36	26L37	26L37	26L39	---
			460v-3ph	26L43	26L43	26L44	26L44	---
			575v-3ph	26L43	26L43	26L43	26L43	---
		1.5 hp (1.1 kW)	208/230v-3ph	26L36	26L37	26L37	26L39	26L41
			460v-3ph	26L43	26L43	26L44	26L44	26L45
			575v-3ph	26L43	26L43	26L43	26L43	26L44
		2 hp (1.5 kW)	208/230v-3ph	26L36	26L37	26L37	26L39	26L42
			460v-3ph	26L43	26L43	26L44	26L44	26L45
			575v-3ph	26L43	26L43	26L43	26L43	26L44
		3 hp (2.2 kW)	208/230v-3ph	26L37	26L39	26L39	26L41	26L42
			460v-3ph	26L43	26L44	26L44	26L44	26L45
			575v-3ph	26L43	26L43	26L43	26L43	26L44
	Without Power Exhaust Fns	.75 hp (.56 kW)	208/230v-3ph	26L35	26L35	26L36	26L37	---
			460v-3ph	26L43	26L43	26L43	26L44	---
			575v-3ph	26L43	26L43	26L43	26L43	---
		1.5 hp (1.1 kW)	208/230v-3ph	26L35	26L36	26L36	26L39	26L41
			460v-3ph	26L43	26L43	26L43	26L44	26L44
			575v-3ph	26L43	26L43	26L43	26L43	26L43
		2 hp (1.5 kW)	208/230v-3ph	26L35	26L36	26L36	26L39	26L41
			460v-3ph	26L43	26L43	26L43	26L44	26L44
			575v-3ph	26L43	26L43	26L43	26L43	26L44
		3 hp (2.2 kW)	208/230v-3ph	26L36	26L37	26L39	26L40	26L41
			460v-3ph	26L43	26L43	26L44	26L44	26L45
			575v-3ph	26L43	26L43	26L43	26L43	26L44
LTB2 ELECTRIC HEAT TERMINAL BLOCK - LTB2-175 (3 ph) (32L77) 175 amps, LTB2-175 (30K75) 175 amps (Required for units without Disconnect/Circuit Breaker but with Single Point Power Source)								
LTB2 Terminal Block		3 phase units		32L77				

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 LCC036-042-048 - 3 Phase

(Requires unit fuse block, terminal block and sub-fuse box)

Electric Heat Model No. & Net Weight	*Heater Only Sub-Fuse Box (Required) & Net Weight	No. of Steps	Volts Input	kW Input	Btuh Output	Total Unit + Electric Heat †Minimum Circuit Ampacity (with Power Exhaust Fans)				Total Unit + Electric Heat ‡Maximum Fuse Size (with Power Exhaust Fans)			
						³ .75 hp (.56 kW)	1.5 hp (1.1 kW)	2 hp (1.5 kW)	3 hp (2.2 kW)	³ .75 hp (.56 kW)	1.5 hp (1.1 kW)	2 hp (1.5 kW)	3 hp (2.2 kW)
7 kW EHA060-7 208/230v 23L67 460V 23L73 575V 23L79 9 lbs. (4 kg)	EHAFB-7 208/230v 27L06 460/575v 27L12 10 lbs. (5 kg)	1	208	5.3	18,100	34		36	40	036-35	042/048-40	40	036/042-40 048-45
			220	5.9	20,100	34		36	40	036-35	042/048-40	40	036/042-40 048-45
			230	6.4	21,900	34		36	40	036-35	042/048-40	40	036/042-40 048-45
			240	7.0	23,900	34		36	40	036-35	042/048-40	40	036/042-40 048-45
			440	5.9	20,100	16	17	17	19	20		20	20
			460	6.4	21,900	16	17	17	19	20		20	20
			480	7.0	23,900	16	17	17	19	20		20	20
			550	5.9	20,100	14		14	16	15		15	20
			575	6.4	21,900	14		14	16	15		15	20
			600	7.0	23,900	14		14	16	15		15	20
10 kW EHA072-10 208/230v 23L68 460v 23L74 575v 23L80 9 lbs. (4 kg)	EHAFB-10 208/230v 27L07 460v 27L13 575v 27L18 10 lbs. (5 kg)	1	208	7.5	25,600	43		45	49	45		45	50
			220	8.4	28,700	43		45	49	45		45	50
			230	9.2	31,400	43		45	49	45		45	50
			240	10.0	34,200	43		45	49	45		45	50
			440	8.4	28,700	21		22	24	25		25	25
			460	9.2	31,400	21		22	24	25		25	25
			480	10.0	34,200	21		22	24	25		25	25
			550	8.4	28,700	18		18	19	20		20	20
			575	9.2	31,400	18		18	19	20		20	20
			600	10.0	34,200	18		18	19	20		20	20
15 kW EHA072-15 208/230v 23L69 460v 23L75 575v 23L81 9 lbs. (4 kg)	EHAFB-15 208/230v 27L08 EHAFB-15/20 460v 27L14 EHAFB-15 575v 27L19 10 lbs. (5 kg)	1	208	11.3	38,600	58		60	64	60		60	70
			220	12.6	43,000	58		60	64	60		60	70
			230	13.8	47,100	58		60	64	60		60	70
			240	15.0	51,200	58		60	64	60		60	70
			440	12.6	43,000	28		29	31	30		30	35
			460	13.8	47,100	28		29	31	30		30	35
			480	15.0	51,200	28		29	31	30		30	35
			550	12.6	43,000	24		24	25	25		25	25
			575	13.8	47,100	24		24	25	25		25	25
			600	15.0	51,200	24		24	25	25		25	25
20kW EHA072-20 208/230v 23L70 460v 23L76 575v 23L82 9 lbs. (4 kg)	EHAFB-20 208/230v 27L09 EHAFB-20/25 460v 27L15 EHAFB-15/20 575v 27L14 10 lbs. (5 kg)	2	208	15.0	51,200	73		75	79	80		80	80
			220	16.8	57,400	73		75	79	80		80	80
			230	18.4	62,800	73		75	79	80		80	80
			240	20.0	68,300	73		75	79	80		80	80
		1	440	16.8	57,400	36		37	39	40		40	40
			460	18.4	62,800	36		37	39	40		40	40
			480	20.0	68,300	36		37	39	40		40	40
			550	16.8	57,400	30		30	31	30		30	35
			575	18.4	62,800	30		30	31	30		30	35
			600	20.0	68,300	30		30	31	30		30	35

†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)

‡May be used with two stage control.

³.75 hp (56 kW) direct drive motor is only available on 036, 042, 048 and 060 models.

*NOTE - Heater Sub-Fuse Box is required for fusing electric heat and must be ordered extra. Factory installed heaters will have fuse box installed. Also requires LTB2 Terminal Block.

Optional Electric Heat Data LCC060 - 3 Phase

(Requires unit fuse block, terminal block and sub-fuse box)

Electric Heat Model No. & Net Weight	*Heater Only Sub-Fuse Box (Required) & Net Weight	No. of Steps	Volts Input	kW Input	Btuh Output	Total Unit + Electric Heat †Minimum Circuit Ampacity (with Power Exhaust Fans)				Total Unit + Electric Heat ‡Maximum Fuse Size (with Power Exhaust Fans)			
						³ .75 hp (.56 kW)	1.5 hp (1.1 kW)	2 hp (1.5 kW)	3 hp (2.2 kW)	³ .75 hp (.56 kW)	1.5 hp (1.1 kW)	2 hp (1.5 kW)	3 hp (2.2 kW)
7 kW EHA060-7 208/230v 23L67 460V 23L73 575V 23L79 9 lbs. (4 kg)	EHAFB-7 208/230v 27L061 460/575v 27L12 10 lbs. (5 kg)	1	208	5.3	18,100	34		36	40	45		45	50
			220	5.9	20,100	34		36	40	45		45	50
			230	6.4	21,900	34		36	40	45		45	50
			240	7.0	23,900	34		36	40	45		45	50
			440	5.9	20,100	16	17	17	19	20		20	
			460	6.4	21,900	16	17	17	19	20		20	
			480	7.0	23,900	16	17	17	19	20		20	
			550	5.9	20,100	14		14	16	15		15	20
			575	6.4	21,900	14		14	16	15		15	20
			600	7.0	23,900	14		14	16	15		15	20
10 kW EHA072-10 208/230v 23L68 460v 23L74 575v 23L80 9 lbs. (4 kg)	EHAFB-10 208/230v 27L07 460v 27L13 575v 27L18 10 lbs. (5 kg)	1	208	7.5	25,600	43		45	49	45		45	50
			220	8.4	28,700	43		45	49	45		45	50
			230	9.2	31,400	43		45	49	45		45	50
			240	10.0	34,200	43		45	49	45		45	50
			440	8.4	28,700	21		22	24	25		25	
			460	9.2	31,400	21		22	24	25		25	
			480	10.0	34,200	21		22	24	25		25	
			550	8.4	28,700	18		18	19	20		20	
			575	9.2	31,400	18		18	19	20		20	
			600	10.0	34,200	18		18	19	20		20	
15 kW EHA072-15 208/230v 23L69 460v 23L75 575 23L81 9 lbs. (4 kg)	EHAFB-15 208/230v 27L08 EHAFB-15/20 460v 27L14 EHAFB-15 575v 27L19 10 lbs. (5 kg)	1	208	11.3	38,600	58		60	64	60		60	70
			220	12.6	43,000	58		60	64	60		60	70
			230	13.8	47,100	58		60	64	60		60	70
			240	15.0	51,200	58		60	64	60		60	70
			440	12.6	43,000	28		29	31	30		30	35
			460	13.8	47,100	28		29	31	30		30	35
			480	15.0	51,200	28		29	31	30		30	35
			550	12.6	43,000	24		24	25	25		25	
			575	13.8	47,100	24		24	25	25		25	
			600	15.0	51,200	24		24	25	25		25	

†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)

‡May be used with two stage control.

³.75 hp (.56 kW) direct drive motor is only available on 036S, 042S, 048S, and 060S models.

*NOTE 0 Heater Sub-Fuse Box is required for fusing electric heat and must be ordered extra. Factory installed heaters will have fuse box installed. Also requires LTB2 Terminal Block.

Optional Electric Heat Data LCC060 - 3 Phase

(Requires unit fuse block, terminal block and sub-fuse box)

Electric Heat Model No. & Net Weight	*Heater Only Sub-Fuse Box (Required) & Net Weight	No. of Steps	Volts Input	kW Input	Btuh Output	Total Unit + Electric Heat †Minimum Circuit Ampacity (with Power Exhaust Fans)				Total Unit + Electric Heat Maximum Fuse Size (with Power Exhaust Fans)			
						3.75 hp (.56 kW)	1.5 hp (1.1 kW)	2 hp (1.5 kW)	3 hp (2.2 kW)	3.75 hp (.56 kW)	1.5 hp (1.1 kW)	2 hp (1.5 kW)	3 hp (2.2 kW)
20kW EHA072-20 208/230v 23L70 460v 23L76 575v 23L82 9 lbs. (4 kg)	EHA072-20 208/230v 27L09 EHA072-20/25 460v 27L15	2	208	15.0	51,200	73	75	79	80	80			
			220	16.8	57,400	73	75	79	80	80			
			230	18.4	62,800	73	75	79	80	80			
			240	20.0	68,300	73	75	79	80	80			
	EHA072-20/25 460v 27L15 EHA072-15/20 575v 27L14 10 lbs. (5 kg)	1	440	16.8	57,400	36	37	39	40	40			
			460	18.4	62,800	36	37	39	40	40			
			480	20.0	68,300	36	37	39	40	40			
			550	16.8	57,400	30	30	31	30	30	35		
			575	18.4	62,800	30	30	31	30	30	35		
			600	20.0	68,300	30	30	31	30	30	35		
25 kW EHA072-25 208/230v 23L71 460v 23L77 575v 23L83 9lbs. (4 kg)	EHA072-25 208/230v 27L10 EHA072-25/30 460v 27L16	2	208	18.8	64,200	88	90	94	90	90	100		
			220	21.0	71,700	88	90	94	90	90	100		
			230	23.0	78,500	88	90	94	90	90	100		
			240	25.0	85,400	88	90	94	90	90	100		
	EHA072-25/30 460v 27L16 EHA072-20/25 575v 27L15 10 lbs. (5 kg)	1	440	21.0	71,700	44	44	46	45	45	50		
			460	23.0	78,500	44	44	46	45	45	50		
			480	25.0	85,400	44	44	46	45	45	50		
			550	21.0	71,700	36	36	38	40	40			
			575	23.0	78,500	36	36	38	40	40			
			600	25.0	85,400	36	36	38	40	40			

†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)

²May be used with two stage control.

³.75 hp (.56 kW) direct drive motor is only available on 036S, 042S, 048S, and 060S models.

*NOTE 0 Heater Sub-Fuse Box is required for fusing electric heat and must be ordered extra. Factory installed heaters will have fuse box installed. Also requires LTB2 Terminal Block.

Optional Electric Heat Data LCC072 - 3 Phase

(Requires unit fuse block, terminal block and sub-fuse box)

Electric Heat Model No. & Net Weight	*Heater Only Sub-Fuse Box (Required) & Net Weight	No. of Steps	Volts Input	kW Input	Btuh Output	Total Unit + Electric Heat †Minimum Circuit Ampacity (with Power Exhaust Fans)			Total Unit + Electric Heat ‡Maximum Fuse Size (with Power Exhaust Fans)		
						1.5 hp (1.1 kW)	2 hp (1.5 kW)	3 hp (2.2 kW)	1.5 hp (1.1 kW)	2 hp (1.5 kW)	3 hp (2.2 kW)
10 kW EHA072-10 208/230v 23L68 460v 23L74 575v 23L80 9 lbs. (4 kg)	EHAFB-10 208/230v 27L07 460v 27L13 575v 27L18 10 lbs. (5 kg)	1	208	7.5	25,600	43	45	49	50	60	
			220	8.4	28,700	43	45	49	50	60	
			230	9.2	31,400	43	45	49	50	60	
			240	10.0	34,200	43	45	49	50	60	
			440	8.4	28,700	21	22	24	25	25	
			460	9.2	31,400	21	22	24	25	25	
			480	10.0	34,200	21	22	24	25	25	
			550	8.4	28,700	18	18	19	20	20	
			575	9.2	31,400	18	18	19	20	20	
			600	10.0	34,200	18	18	19	20	20	
15 kW EHA072-15 208/230v 23L69 460v 23L75 575v 23L81 9 lbs. (4 kg)	EHAFB-15 208/230v 27L08 EHAFB-15/20 460v 27L14 EHAFB-15 575v 27L19 10 lbs. (5 kg)	1	208	11.3	38,600	58	60	64	60	60	70
			220	12.6	43,000	58	60	64	60	60	70
			230	13.8	47,100	58	60	64	60	60	70
			240	15.0	51,200	58	60	64	60	60	70
			440	12.6	43,000	29	29	31	30	30	35
			460	13.8	47,100	29	29	31	30	30	35
			480	15.0	51,200	29	29	31	30	30	35
			550	12.6	43,000	24	24	25	25	25	
			575	13.8	47,100	24	24	25	25	25	
			600	15.0	51,200	24	24	25	25	25	
20kW EHA072-20 208/230v 23L70 460v 23L76 575v 23L82 9 lbs. (4 kg)	EHAFB-20 208/230v 27L09 EHAFB-20/25 460v 27L15 EHAFB-15/20 575v 27L14 10 lbs. (5 kg)	2	208	15.0	51,200	73	75	79	80	80	
			220	16.8	57,400	73	75	79	80	80	
			230	18.4	62,800	73	75	79	80	80	
			240	20.0	68,300	73	75	79	80	80	
		1	440	16.8	57,400	36	37	39	40	40	
			460	18.4	62,800	36	37	39	40	40	
			480	20.0	68,300	36	37	39	40	40	
			550	16.8	57,400	30	30	31	30	30	35
			575	18.4	62,800	30	30	31	30	30	35
			600	20.0	68,300	30	30	31	30	30	35

†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)

‡May be sued with two stage control.

§,75 hp (.56 kW) direct drive motor is only available on 036S, 042S, 048S, and 060S models.

*NOTE - Heater Sub-Fuse Box is required for fusing electric heat and must be ordered extra. Factory installed heaters will have fuse box installed. Also requires LTB2 Terminal Block.

Optional Electric Heat Data LCC072 - 3 Phase

(Requires unit fuse block, terminal block and sub-fuse box)

Electric Heat Model No. & Net Weight	*Heater Only Sub-Fuse Box (Required) & Net Weight	No. of Steps	Volts Input	kW Input	Btuh Output	Total Unit + Electric Heat †Minimum Circuit Ampacity (with Power Exhaust Fans)			Total Unit + Electric Heat Maximum Fuse Size (with Power Exhaust Fans)		
						1.5 hp (1.1 kW)	2 hp (1.5 kW)	3 hp (2.2 kW)	1.5 hp (1.1 kW)	2 hp (1.5 kW)	3 hp (2.2 kW)
25 kW EHA072-25 208/230v 23L71 460v 23L77 575v 23L83 9lbs. (4 kg)	EHAFB-25 208/230v 27L10 EHAFB-25/30 460v 27L16 EHAFB-20/25 575v 27L15 10 lbs. (5 kg)	² 2	208	18.8	64,200	88	90	94	90		100
			220	21.0	71,700	88	90	94	90		100
			230	23.0	78,500	88	90	94	90		100
			240	25.0	85,400	88	90	94	90		100
		1	440	21.0	71,700	44	44	46	45		50
			460	23.0	78,500	44	44	46	45		50
			480	25.0	85,400	44	44	46	45		50
			550	21.0	71,700	36	36	38	40		40
			575	23.0	78,500	36	36	38	40		40
			600	25.0	85,400	36	36	38	40		40
30 kW EHA072-30 208/230v 23L72 460v 23L78 575v 23L84 12 lbs. (6 kg)	EHAFB-30 208/230v 27L11 460v 27L17 EHAFB-25/30 575v 27L16 10 lbs. (5 kg)	² 2	208	22.5	76,800	103	106	109	110		110
			220	25.2	86,100	103	106	109	110		110
			230	27.6	94,300	103	106	109	110		110
			240	30.0	102,500	103	106	109	110		110
		1	440	25.2	86,100	51	52	54	60		60
			460	27.6	94,300	51	52	54	60		60
			480	30.0	102,500	51	52	54	60		60
			550	25.2	86,100	42	42	44	45		45
			575	27.6	94,300	42	42	44	45		45
			600	30.0	102,500	42	42	44	45		45

†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)

²May be used with two stage control.

³,75 hp (.56 kW) direct drive motor is only available on 036S, 042S, 048S, and 060S models.

*NOTE - Heater Sub-Fuse Box is required for fusing electric heat and must be ordered extra. Factory installed heaters will have fuse box installed. Also requires LTB2 Terminal Block.

Cooling Ratings

LCC036

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								
	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	kBtuh	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	960	455	36.3	10.3	2.44	.71	.85	.97	34.1	10.0	2.74	.72	.86	.98	32.9	9.6	3.08	.73	.88	.99	31.5	9.2	3.47	.75	.90	1.00						
	1200	565	36.7	10.8	2.46	.76	.92	1.00	35.5	10.4	2.75	.78	.93	1.00	34.2	10.0	3.09	.79	.95	1.00	32.8	9.6	3.49	.81	.97	1.00						
	1440	680	37.8	11.1	2.47	.82	.97	1.00	36.6	10.7	2.76	.83	.99	1.00	35.4	10.4	3.10	.85	.99	1.00	34.0	10.0	3.50	.87	1.00	1.00						
67°F (19°C)	960	455	37.5	11.0	2.46	.56	.69	.81	36.3	10.6	2.76	.56	.70	.83	34.9	10.2	3.09	.57	.71	.84	33.4	9.8	3.50	.58	.72	.86						
	1200	565	38.7	11.3	2.48	.59	.74	.88	37.4	11.0	2.77	.59	.75	.90	36.0	10.6	3.11	.60	.77	.92	34.5	10.1	3.52	.61	.78	.94						
	1440	680	39.6	11.6	2.48	.62	.79	.94	38.2	11.2	2.78	.63	.81	.96	36.7	10.8	3.12	.64	.83	.98	35.2	10.3	3.52	.65	.84	.99						
71°F (22°C)	960	455	40.1	11.8	2.49	.42	.54	.66	38.7	11.3	2.78	.42	.55	.67	37.3	10.9	3.12	.42	.55	.68	35.7	10.5	3.52	.43	.56	.70						
	1200	565	41.2	12.1	2.50	.43	.57	.72	39.8	11.7	2.79	.43	.58	.73	38.3	11.2	3.14	.44	.59	.74	36.7	10.8	3.54	.44	.60	.76						
	1440	680	42.0	12.3	2.50	.44	.61	.77	40.6	11.9	2.80	.44	.62	.79	39.0	11.4	3.14	.45	.63	.80	37.3	10.9	3.54	.45	.64	.82						

LCC042

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								
	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	kBtuh	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1120	530	40.8	12.0	2.91	.69	.83	.96	39.5	11.6	3.25	.70	.85	.98	38.1	11.2	3.63	.71	.87	.99	36.7	10.8	4.07	.72	.88	1.00						
	1400	660	42.3	12.4	2.93	.74	.91	1.00	40.9	12.0	3.27	.75	.93	1.00	39.5	11.6	3.66	.77	.94	1.00	38.0	11.1	4.10	.79	.96	1.00						
	1680	795	43.5	12.7	2.94	.80	.97	1.00	42.1	12.3	3.28	.81	.98	1.00	40.7	11.9	3.67	.83	.99	1.00	39.3	11.5	4.10	.85	1.00	1.00						
67°F (19°C)	1120	530	43.2	12.7	2.94	.54	.66	.80	41.8	12.3	3.28	.54	.67	.81	40.3	11.8	3.66	.55	.68	.83	38.7	11.3	4.10	.56	.70	.85						
	1400	660	44.4	13.0	2.95	.57	.72	.88	42.9	12.6	3.29	.58	.73	.89	41.4	12.1	3.68	.58	.74	.91	39.7	11.6	4.12	.59	.76	.93						
	1680	795	45.3	13.3	2.96	.60	.77	.94	43.8	12.8	3.30	.61	.79	.96	42.2	12.4	3.69	.62	.81	.98	40.5	11.9	4.14	.63	.83	.99						
71°F (22°C)	1120	530	45.9	13.5	2.97	.40	.52	.64	44.4	13.0	3.31	.41	.53	.65	42.8	12.5	3.69	.41	.53	.66	41.1	12.0	4.14	.41	.54	.67						
	1400	660	47.1	13.8	2.98	.42	.56	.70	45.5	13.3	3.32	.42	.56	.71	43.8	12.8	3.71	.42	.57	.72	42.1	12.3	4.16	.42	.58	.74						
	1680	795	47.9	14.0	2.99	.43	.59	.75	46.3	13.6	3.33	.43	.60	.77	44.6	13.1	3.72	.43	.61	.79	42.7	12.5	4.17	.44	.62	.81						

Cooling Ratings

LCC048

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	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	kBtuh	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											

LCC060

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								
	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	kBtuh	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1600	755	56.9	16.7	4.47	.69	.84	.97	55.0	16.1	4.98	.70	.86	.98	53.0	15.5	5.56	.72	.88	.99	51.0	14.9	6.24	.73	.89	1.00						
	2000	945	58.9	17.3	4.52	.74	.92	1.00	57.0	16.7	5.03	.76	.93	1.00	54.9	16.1	5.61	.78	.95	1.00	52.9	15.5	6.29	.79	.97	1.00						
	2400	1135	60.6	17.8	4.56	.80	.97	1.00	58.6	17.2	5.07	.82	.99	1.00	56.7	16.6	5.66	.84	.99	1.00	54.6	16.0	6.35	.86	1.00	1.00						
67°F (19°C)	1600	755	60.2	17.6	4.55	.54	.67	.81	58.1	17.0	5.05	.55	.68	.82	56.0	16.4	5.64	.55	.69	.84	53.8	15.8	6.31	.56	.71	.86						
	2000	945	61.8	18.1	4.58	.57	.72	.89	59.7	17.5	5.09	.58	.74	.90	57.5	16.9	5.68	.59	.75	.92	55.2	16.2	6.36	.60	.77	.94						
	2400	1135	63.0	18.5	4.62	.60	.78	.95	60.8	17.8	5.13	.61	.80	.96	58.6	17.2	5.71	.62	.81	.98	56.3	16.5	6.40	.63	.84	.99						
71°F (22°C)	1600	755	63.9	18.7	4.64	.40	.53	.65	61.8	18.1	5.15	.41	.53	.66	59.5	17.4	5.74	.41	.54	.67	57.3	16.8	6.42	.41	.55	.68						
	2000	945	65.5	19.2	4.68	.42	.56	.70	63.3	18.6	5.19	.42	.57	.72	61.0	17.9	5.78	.42	.58	.73	58.6	17.2	6.46	.43	.59	.75						
	2400	1135	66.6	19.5	4.71	.43	.59	.76	64.3	18.8	5.22	.43	.60	.78	61.9	18.1	5.81	.44	.61	.79	59.5	17.4	6.49	.44	.62	.82						

Cooling Ratings

LCC072

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								
	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	kBtuh	kW	Input	75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1920	905	72.4	21.2	5.31	.66	.81	.96	70.0	20.5	5.96	.67	.83	.97	67.5	19.8	6.71	.68	.85	.99	64.8	19.0	7.54	.69	.87	1.00						
	2400	1135	74.9	22.0	5.37	.71	.90	1.00	72.5	21.2	6.03	.73	.92	1.00	69.9	20.5	6.78	.74	.94	1.00	67.2	19.7	7.62	.76	.95	1.00						
	2880	1360	77.0	22.6	5.43	.77	.97	1.00	74.6	21.9	6.08	.79	.98	1.00	72.0	21.1	6.84	.81	.99	1.00	69.4	20.3	7.67	.83	1.00	1.00						
67°F (19°C)	1920	905	76.3	22.4	5.40	.52	.64	.77	73.8	21.6	6.06	.52	.65	.79	71.1	20.8	6.80	.53	.66	.81	68.2	20.0	7.64	.54	.67	.83						
	2400	1135	78.4	23.0	5.46	.55	.69	.86	75.8	22.2	6.11	.55	.70	.88	73.0	21.4	6.86	.56	.72	.90	70.1	20.5	7.70	.57	.74	.92						
	2880	1360	79.9	23.4	5.50	.58	.75	.94	77.3	22.7	6.16	.59	.77	.95	74.5	21.8	6.90	.59	.79	.97	71.4	20.9	7.75	.61	.81	.99						
71°F (22°C)	1920	905	80.8	23.7	5.52	.39	.50	.62	78.2	22.9	6.18	.39	.51	.63	75.4	22.1	6.92	.39	.51	.64	72.4	21.2	7.76	.39	.52	.65						
	2400	1135	82.8	24.3	5.57	.40	.54	.67	80.1	23.5	6.23	.40	.54	.68	77.1	22.6	6.98	.40	.55	.69	74.0	21.7	7.82	.41	.56	.71						
	2880	1360	84.2	24.7	5.61	.41	.57	.73	81.3	23.8	6.27	.41	.58	.75	78.3	22.9	7.02	.42	.59	.77	75.1	22.0	7.86	.42	.60	.79						

Belt Drive Blower Data - Includes Dry Indoor Coil & Filters in Place

FOR ALL UNITS ADD:

1 - Wet indoor coil air resistance of selected unit

2 - Any field or factory installed accessories air resistance.

Then determine from blower table blower motor output and drive required.

See page 21 for wet coil and option/accessory air resistance data and blower motors and drives.

MINIMUM AIR VOLUME REQUIRED FOR USE WITH OPTIONAL ELECTRIC HEAT

7, 10, 15, 20 kW Electric Heat - 1400 cfm (660 L/s) 208/230 volt, 1500 cfm (710 L/s) 460 & 575 volt

25 kW Electric Heat - 2000 cfm (945 L/s)

30 kW Electric Heat - 2400 cfm (1135 L/s)

NOTE: Units are not U.L. approved for operation above 1325 rpm.

**Bold Italics indicate field furnished drive*

Air Volume cfm (L/s)	Total Static Pressure - Inches Water Gauge (Pa)															
	.00 (00)		.20 (50)		.40 (100)		.60 (150)		.80 (200)		1.00 (250)		1.20 (300)		1.40 (350)	
	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)
1000 (474)	330	.05 (.04)	470	.10 (.07)	605	.20 (.15)	725	.30 (.22)	830	.40 (.30)	925	.55 (.41)	1015	.70 (.52)	1095	.90 (.67)
1200 (568)	375	.10 (.07)	505	.15 (.11)	630	.25 (.19)	740	.35 (.26)	840	.45 (.34)	930	.60 (.45)	1015	.75 (.56)	1095	.90 (.67)
1400 (663)	425	.15 (.11)	545	.20 (.15)	660	.30 (.22)	760	.40 (.30)	855	.50 (.37)	940	.65 (.48)	1020	.80 (.60)	1100	.95 (.71)
1600 (757)	475	.20 (.15)	590	.30 (.22)	695	.40 (.30)	790	.50 (.37)	875	.60 (.45)	960	.75 (.56)	1035	.90 (.67)	1110	1.05 (.78)
1800 (850)	535	.30 (.22)	640	.40 (.30)	735	.50 (.37)	820	.60 (.45)	905	.70 (.52)	980	.85 (.63)	1055	1.00 (.75)	1125	1.15 (.86)
2000 (945)	595	.40 (.30)	690	.50 (.37)	775	.60 (.45)	860	.70 (.52)	935	.85 (.63)	1010	1.00 (.75)	1080	1.15 (.86)	1145	1.30 (.97)
2200 (1040)	655	.55 (.41)	740	.65 (.48)	820	.75 (.56)	895	.85 (.63)	970	1.00 (.75)	1040	1.15 (.86)	1105	1.30 (.97)	1170	1.45 (1.08)
2400 (1135)	710	.70 (.52)	790	.80 (.60)	870	.95 (.71)	940	1.05 (.78)	1010	1.20 (.90)	1075	1.35 (1.01)	1135	1.50 (1.12)	1200	1.70 (1.27)
2600 (1229)	770	.90 (.67)	845	1.00 (.75)	915	1.15 (.86)	985	1.30 (.97)	1050	1.40 (1.04)	1110	1.55 (1.16)	1170	1.75 (1.31)	1230	1.90 (1.42)
2800 (1323)	830	1.10 (.82)	900	1.25 (.93)	965	1.35 (1.01)	1030	1.50 (1.12)	1090	1.65 (1.23)	1150	1.85 (1.38)	1210	2.00 (1.49)	1265	2.20 (1.64)
3000 (1418)	890	1.35 (1.01)	955	1.50 (1.12)	1015	1.65 (1.23)	1075	1.80 (1.34)	1135	1.95 (1.45)	1190	2.10 (1.57)	1245	2.30 (1.72)	1300	2.50 (1.87)

Factory Installed Drive Kit Specifications

Motor Outputs				RPM Range			
Nominal hp	Maximum hp	Nominal kW	Maximum kW	Drive 1	Drive 2	Drive 3	Drive 4
1.5	1.72	1.1	1.3	615 - 920	800 - 1105	---	---
**2	2.3	1.5	1.7	---	---	**920 - 1230	---
3	3.45	2.2	2.6	---	---	---	1070 - 1325

* 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 factor limitations outlined on the motor nameplate.

**Base unit

Accessory Air Resistance

Air Volume		Total Resistance - Inches water gauge (Pa)			
		Wet Indoor Coil		Electric Heat in. w.g. (Pa)	Economizer in. w.g. (Pa)
cfm	L/s	LCA036/042/048/060 (2 row) in. w.g. (Pa)	LCA072 (3 row) in. w.g. (Pa)		
1000	470	.02 (4)	.05 (12)	.06 (15)	.04 (10)
1200	565	.03 (8)	.06 (16)	.09 (22)	.04 (10)
1400	660	.04 (10)	.08 (21)	.12 (30)	.04 (10)
1600	755	.05 (13)	.10 (26)	.16 (40)	.04 (10)
1800	850	.06 (16)	.12 (31)	.21 (52)	.05 (12)
2000	945	.07 (18)	.14 (36)	.25 (62)	.05 (12)
2200	1040	.09 (21)	.17 (42)	.31 (77)	.05 (12)
2400	1135	.11 (27)	.19 (48)	.37 (92)	.05 (12)
2600	1225	.13 (32)	.22 (54)	.43 (107)	.06 (15)
2800	1320	.16 (40)	.25 (63)	.50 (125)	.06 (15)
3000	1415	.20 (50)	.29 (71)	.58 (144)	.06 (15)

Ceiling Diffuser Air Resistance

Air Volume		Total Resistance - inches water gauge (Pa)							
		RTD9 Step-Down Diffuser			FD9 Flush Diffuser in. w.g. (Pa)	RTD11 Step-Down Diffuser			FD11 Flush Diffuser in. w.g. (Pa)
cfm	L/s	2 Ends Open in. w.g. (Pa)	1 Side 2 Ends Open in. w.g. (Pa)	All Ends & Sides Open in. w.g. (Pa)		2 Ends Open in. w.g. (Pa)	1 Side 2 Ends Open in. w.g. (Pa)	All Ends & Sides Open in. w.g. (Pa)	
1000	470	.19 (47)	.16 (40)	.14 (35)	.14 (35)	---	---	---	---
1200	565	.25 (62)	.20 (50)	.17 (42)	.17 (42)	---	---	---	---
1400	660	.33 (82)	.26 (65)	.20 (50)	.20 (50)	---	---	---	---
1600	755	.43 (107)	.32 (80)	.20 (50)	.24 (60)	---	---	---	---
1800	850	.56 (139)	.40 (100)	.30 (75)	.30 (75)	.13 (32)	.11 (27)	.09 (22)	.09 (22)
2000	945	.73 (182)	.50 (125)	.36 (90)	.36 (90)	.15 (37)	.13 (32)	.11 (27)	.10 (25)
2200	1040	.95 (237)	.63 (157)	.44 (110)	.44 (110)	.18 (45)	.15 (37)	.12 (30)	.12 (30)
2400	1135	---	---	---	---	.21 (52)	.18 (45)	.15 (37)	.14 (35)
2600	1225	---	---	---	---	.24 (60)	.21 (52)	.18 (45)	.17 (42)
2800	1320	---	---	---	---	.27 (67)	.24 (60)	.21 (52)	.20 (50)
3000	1415	---	---	---	---	.32 (80)	.29 (72)	.25 (62)	.25 (62)

Ceiling Diffuser Air Throw Data

Model No.		RTD9-65		FD9-65	
Air Volume		¹Effective Throw			
cfm	L/s	ft.	m	ft.	m
1000	470	10-17	3-5	15-20	5-6
1200	565	11-18	3-5	16-22	5-7
1400	660	12-19	4-6	17-24	5-7
1600	755	12-20	4-6	18-25	5-8
1800	850	13-21	4-6	20-28	6-9
2000	945	14-23	4-7	21-29	6-9
2200	1040	16-25	5-8	22-30	7-9
Air Volume		RTD11-95		FD11-95	
2600	1225	24-29	7-9	19-24	6-7
2800	1320	25-30	8-9	20-28	6-9
3000	1415	27-33	8-10	21-29	6-9

¹Effective throw based on terminal velocities of 75 ft. (22.9 m) per minute.

Power Exhaust Fans Performance

Return Air System Static Pressure		Air Volume Exhausted	
in. w.g.	Pa	cfm	L/s
.00	0	1900	895
.05	12	1745	825
.10	25	1570	740
.15	37	1400	660
.20	50	1230	580
.25	62	1060	500
.30	75	970	460
.35	87	800	380

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 completely factory assembled, 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.

Approvals - All electrical components shall have ETL and C.S.A. Listing. All wiring shall be in compliance with NEC and CEC. 036 thru 060 models shall be certified in accordance with the USE certification program, which is based on ARI Standard 210/240. 072 models shall be certified in accordance with the ULE certification program, which is based on 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. Compressor 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, and full refrigerant charge. All models shall have low ambient operation down to 0°F (-17.7°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 be accessible 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.

Integrated Modular Control (IMC) - Solid state control board shall be provided to operate unit. Built-in functions shall include: blower on/off delay, built-in control parameter defaults, service relay output, dirty filter switch input, economizer control, DDC compatible, unit diagnosis, diagnostics code storage, indoor air quality input, low ambient controls, minimum run time, night setback mode, smoke alarm mode, low pressure control, thermostat bounce delay, three digit display, °F or °C display, 2 stage heat/3 stage cool thermostat compatible and warm up mode.

Outdoor Coil Fan - Direct drive 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.

Guide Specifications

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.

Disconnect - Furnish and factory install unit disconnect switch.

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, 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.

Downflow Gravity Exhaust Dampers (Barometric Relief) - 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 CO₂ 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 - Furnish and install a steel roof mounting frame for bottom discharge and return air duct connection. It shall mate to the 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.

Service Outlets - Furnish and factory install dual 115 volt, 15 amp GFCI type service outlets. Wiring shall be field provided.

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 - inches (mm)

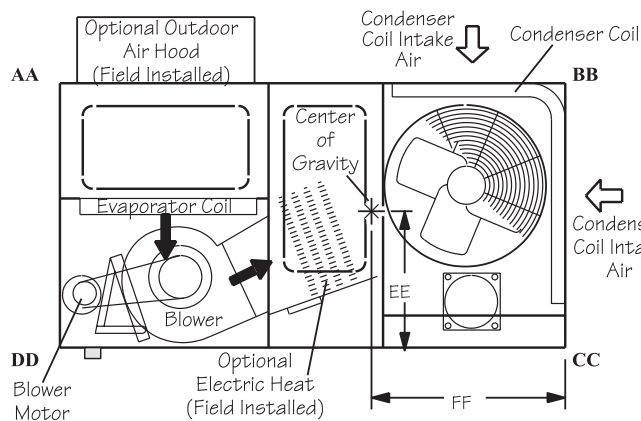
Shown with Electric Heat, Economizer Dampers, Power Exhaust Fan, Convenience Outlet, Disconnect Belt Drive Blower

Corner Weights - lbs. (kg)

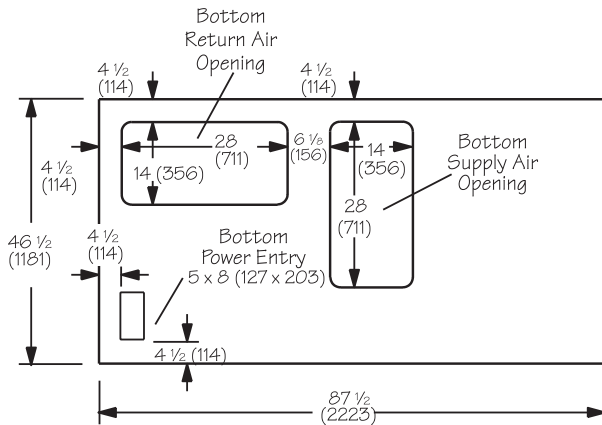
Model No.	AA		BB		CC		DD	
	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg
LCC036/042	126	57	143	65	200	91	176	80
LCC048	133	60	154	70	209	95	180	82
LCC060	131	59	154	70	216	98	184	83
LCC072	132	60	150	68	215	98	189	86

Center of Gravity - inches (mm)

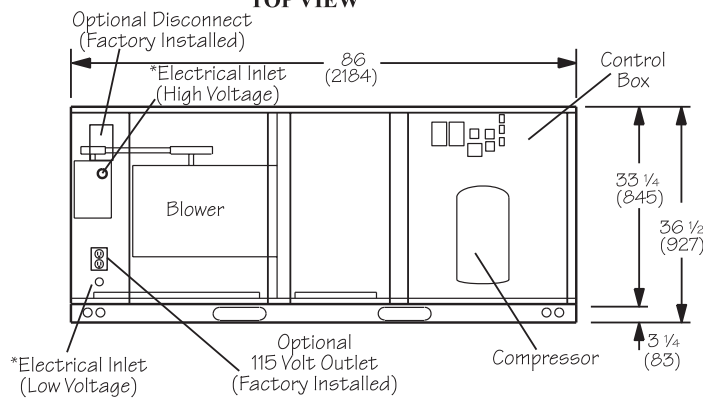
Model No.	EE		FF	
	in.	mm	in.	mm
LCC036/042	19 1/4	489	41	1041
LCC048	19 5/8	498	40 1/2	1029
LCC060	19 1/4	489	40 1/2	1029
LCC072	19	483	41	1041



TOP VIEW

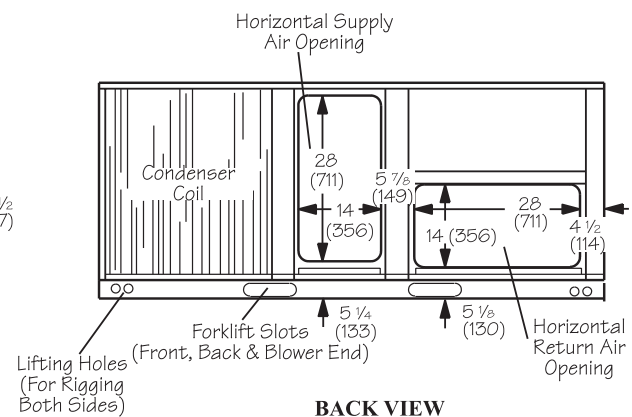


TOP VIEW BASE SECTION

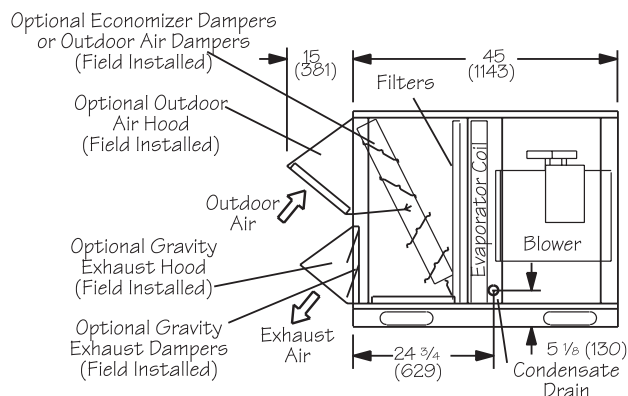


FRONT VIEW

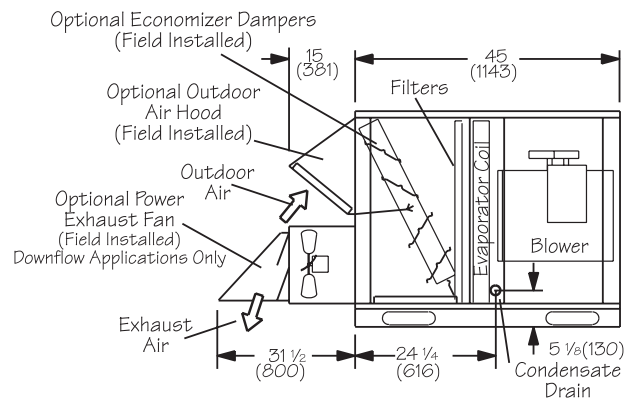
*When Factory Installed Disconnect is Not Used.



BACK VIEW



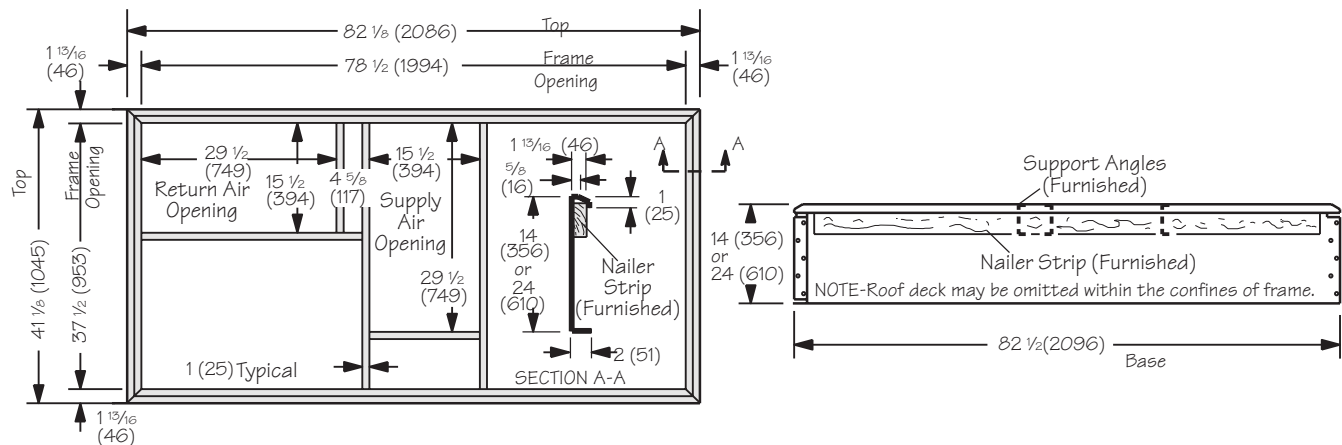
LEFT END VIEW



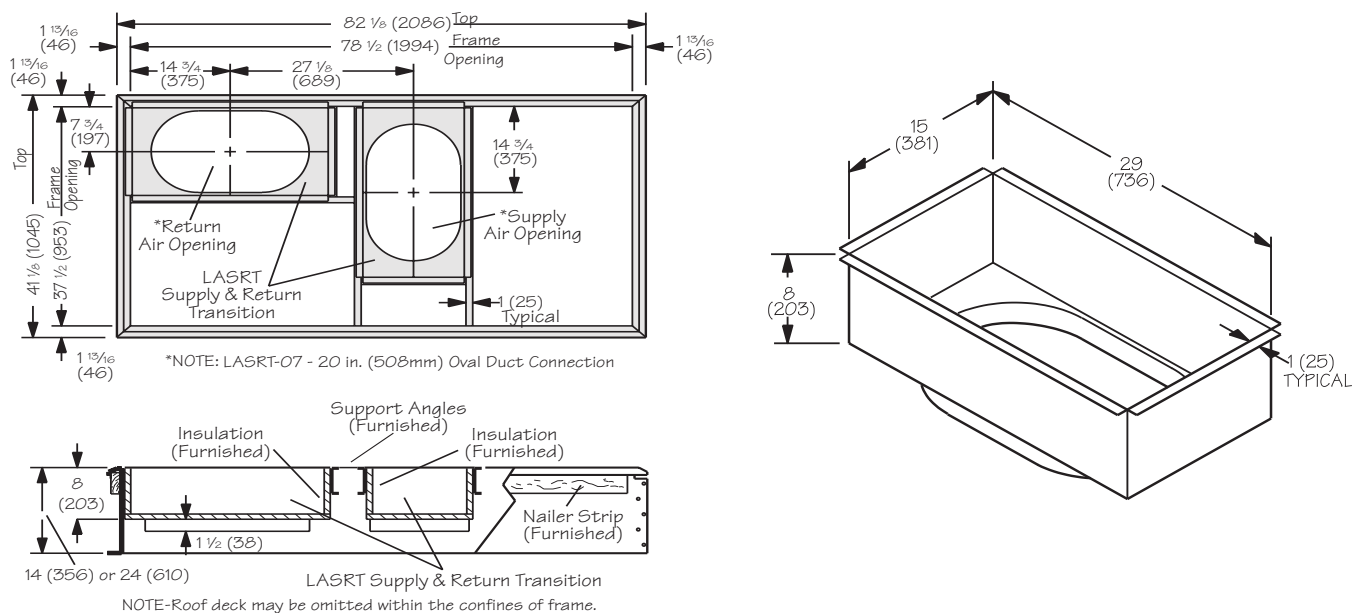
LEFT END VIEW
(Power Exhaust)

Accessory Dimensions - inches (mm)

LARMF03/07 - Roof Mounting Frame (Double Duct Opening)



LARMF03/07 - Roof Mounting Frame with LASRT07 Transition



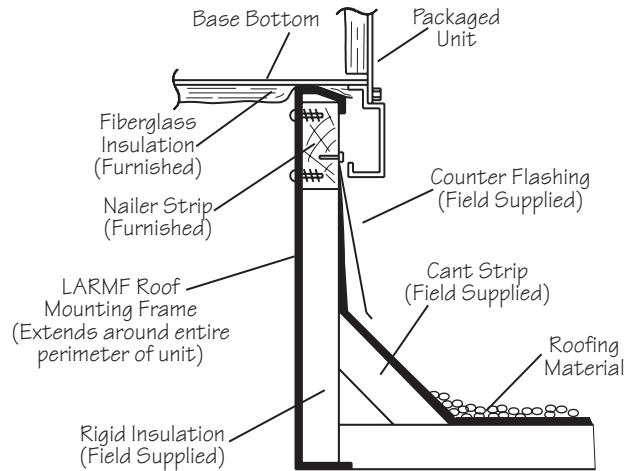
Roof Mounting Frame Specifications

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	LARMF03/07-14	LARMF03/07-24
*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)	

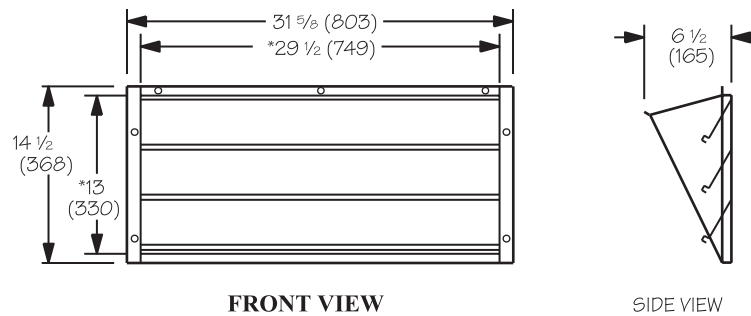
*Includes both sides of frame.

Accessory Dimensions - inches (mm)

Typical Flashing Detail for LARMF-03/07-14 Roof Mounting Frame



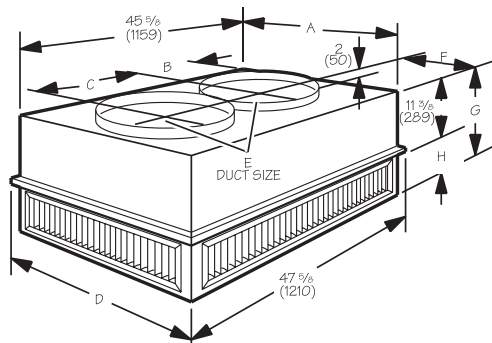
LAGEDH03/15 Horizontal Gravity Exhaust Dampers (Field installed in Return Air Duct)



*NOTE - Opening size required in return air duct.

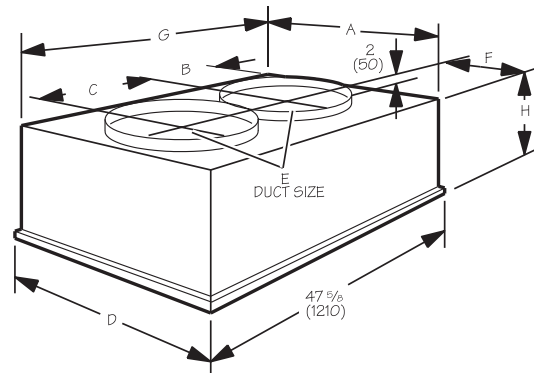
Accessory Dimensions - inches (mm)

Step-Down Ceiling Diffuser



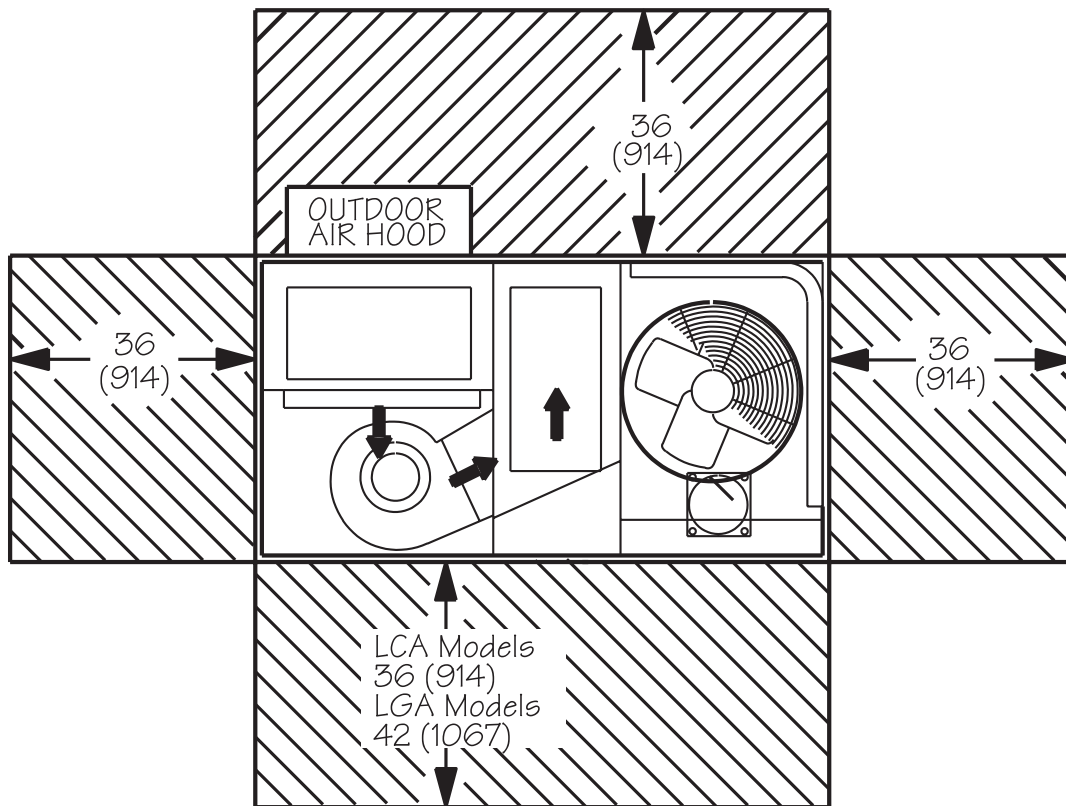
Model No.	RTD9-65		RTD11-95	
	in.	mm	in.	mm
A	21 5/8	549	27 5/8	702
B	12 9/16	319	11 7/16	291
C	20 1/2	521	23 3/4	603
D	23 5/8	600	29 5/8	752
E	18	457	20	508
F	10 13/16	275	13 13/16	351
G	18 1/2	470	19 1/2	495
H	7 1/8	181	8 1/8	206

Flush Ceiling Diffuser



Model No.	FD9-65		FD11-95	
	in.	mm	in.	mm
A	21	533	27 5/8	702
B	12 1/4	311	11 7/16	291
C	20 1/2	521	23 3/4	603
D	23 5/8	600	29 5/8	752
E	18	457	20	508
F	10 1/2	267	13 13/16	351
G	45	1143	45 5/8	1159
H	15 3/8	391	16 1/8	410

Installation Clearances -inches (mm)



NOTE: Top Clearance Unobstructed

All specifications are subject to change without notice.

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COMMERCIAL

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