LENNOX

SUBMITTAL DATA

LGB

August 2001
Supersedes February 2000

SPECIFICATIONS

	Model No.	LGB036H	LGB060H	LGB120H		LGB240H	
Heating Performance	Heat Input Type	High (H)	High (H)	Standard (S)	High (H)	Standard (S)	High (H)
	Input (Low) - Btuh (kW) Natural	- - - -	80,000 (23.4)	84,500 (24.8)	152,500 (44.7)	169,000 (49.5)	305,000 (89.4)
	Output (Low) - Btuh (kW) Natural	- - - -	64,000 (18.8)	67,500 (19.8)	122,000 (35.8)	135,000 (39.6)	244,000 (71.5)
	Input (Low) - Btuh (kW) LPG/Propane	- - - -	80,000 (23.4)	75,000 (22.0)	152,500 (44.7)	150,000 (44.0)	305,000 (89.4)
	Output (Low) - Btuh (kW) LPG/Propane	- - - -	64,000 (18.8)	60,000 (17.6)	122,000 (35.8)	120,000 (35.2)	244,000 (71.5)
	Input (High) - Btuh (kW) Natural	75,000 (22.0)	125,000 (36.6)	130,000 (38.1)	235,000 (68.9)	260,000 (76.2)	470,000 (137.7)
	Output (High) - Btuh (kW) Natural	60,000 (17.6)	100,000 (29.3)	104,000 (30.5)	188,000 (55.1)	208,000 (60.9)	376,000 (110.2)
	Input (High) - Btuh (kW) LPG/Propane	75,000 (22.0)	125,000 (36.6)	114,000 (33.4)	235,000 (68.9)	228,000 (66.8)	470,000 (137.7)
	Output (High) - Btuh (kW) LPG/Propane	60,000 (17.6)	100,000 (29.3)	91,200 (26.7)	188,000 (55.1)	182,400 (53.4)	376,000 (110.2)
	AGA/CGA Thermal Efficiency	80.0%	80.0%	80.0%	80.0%	80.0%	80.0%
	Gas Supply Connection fpt - in. (mm)	3/4 (19)	3/4 (19)	3/4 (19)	3/4 (19)	1 (25)	1 (25)
	Rec. Gas Supply Pressure - wc. in. (kPa) Natural	7 (1.7)	7 (1.7)	7 (1.7)	7 (1.7)	7 (1.7)	7 (1.7)
	LPG/Propane	11 (2.7)	11 (2.7)	11 (2.7)	11 (2.7)	11 (2.7)	11 (2.7)
Cooling Performance	Nominal Tonnage (kW)	3 (10.5)	5 (17.6)	10 (35.2)		20 (70.3)	
	★Net cooling capacity - Btuh (kW)	36,000 (10.5)	60,000 (17.6)	120,000 (35.2)		[4]240,000 (70.3)	
	Total unit kW	3.41	5.94	12.0		24.0	
	★SEER (Btuh/Watt)	12.0	12.0	N/A		N/A	
	★EER (Btuh/Watt)	10.5	10.1	10.0		[5]10.0	
	★Integrated Part Load Value (Btuh/Watt)	N/A	N/A	10.9		[6]10.6	
	*Sound Rating Number (db)	82	82	87		92	
	Refrigerant (HCFC-22) Charge - No. of circuits	1	1	2		4	
	Charge per circuit	8 lbs. 3 oz. (3.7 kg)	14 lbs. 6 oz. (6.5 kg)	11 lbs. 8 oz. (5.2 kg)		11 lbs. 8 oz. (5.2 kg)	
Condenser Coil	Net face area - sq. ft. (m^2)	18.0 (1.67)	18.0 (1.67)	27.7 (2.6)		56.5 (5.2)	
	Tube diameter - in.(mm)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)		3/8 (9.5)	
	No. of rows	1	2	2		2	
	Fins per inch (m)	16 (630)	16 (630)	16 (630)		16 (630)	
Condenser Fan(s)	(No.) Diameter - in.(mm)	(1) 22 (559)	(1) 22 (559)	(2) 22 (559)		(4) 22 (559)	
	No. of blades	4	4	4		4	
	Air volume - cfm (L/s)	5000 (2360)	4500 (2125)	9000 (4250)		18,000 (8500)	
	Motor No. & horsepower (W)	(1) 1/2 (373)	(1) 1/2 (373)	(2) 1/2 (373)		(4) 1/2 (373)	
	Motor rpm	1075	1075	1075		1075	
	Motor watts	517	483	975		1950	
Evaporator Coil	Net face area - sq. ft. (m^2)	6.0 (0.56)	6.0 (0.56)	10.7 (0.99)		21.3 (2.0)	
	Tube diameter - in. (mm)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)		3/8 (9.5)	
	No. of rows	3	4	4		4	
	Fins per inch (m)	12 (472)	12 (472)	12 (472)		12 (472)	
	Drain connection (No. & size) - in. (mm) mpt	(1) 1 (25)	(1) 1 (25)	(1) 1 (25)		(1) 1 (25)	
	Expansion device type	Thermostatic Expansion Valve					
Evaporator Blower(s)	Nominal motor hp (kW)	1.5 (1.1)	1.5 (1.1)	3 (2.2)		5 (3.7)	
	Max. usable hp (kW)	1.7 (1.3)	1.7 (1.3)	3.45 (2.6)		5.75 (4.3)	
	RPM Range	555 - 835	835 - 1110	735 - 920		700 - 880	
	Wheel no. & nom. diameter x width - in. (mm)	(1) 10 x 10 (254 x 254)	(1) 10 x 10 (254 x 254)	(1) 15 x 15 (381 x 381)		(2) 15 x 15 (381 x 381)	
Filters (furnished)	Filter type	Farr 30-30 or equivalent					
	No. & size - in. (mm)	(2) 16 x 25 x 2 (406 x 635 x 51)		(4) 16 x 25 x 2 (406 x 635 x 51)		(9) 16 x 25 x 2 (406 x 635 x 51)	
Shipping Data	Net wt. - Basic unit with accessories - lbs. (kg)	861 (390)	923 (419)	1772 (805)		2860 (1297)	
	Shipping weight - Basic unit - lbs. (kg) (1 Pkg.)	945 (442)	1007 (457)	1870 (850)		2960 (1343)	
Electrical characteristics		208/230v, 460v or 575v - 60 hertz - 3 phase					

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

★Certified in accordance with the ULE certification program, which is based on ARI Standard 210/240 or 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. Integrated Part Load Value tested at 80°F (27°C) outdoor air temperature.

NOTE - ARI cooling capacity is net and includes evaporator blower motor heat deduction.

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 by Lennox 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.

[4]At 208v - 238,000 (69.7) [5]At 208v - 9.9 [6]At208v - 10.5

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

Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury.

Installation and service must be performed by a qualified installer and servicing agency.

STANDARD FEATURES

Outdoor Air Damper
Novar Controls
Circuit Breaker
GFCI service outlets (115v). Field wiring required.

FACTORY INSTALLED OPTIONS

LPG/Propane Conversion
Stainless Steel Heat Exchanger
Novar Control Removal
Economizer - Modulating IAQ Ready
Corrosion Protection — Phenolic epoxy coating applied to condenser and evaporator coils. Painted bases and inside surfaces.
Smoke Detector (supply or return air) with 115v/24v transformer. Field wiring required.
Power Exhaust Fans - LGB120H and LGB240H

FIELD INSTALLED ACCESSORIES

Gas Pressure Regulator **(79J05)**

ELECTRICAL DATA

General Data	Model No.	LGB036H			LGB060H		
	Line voltage data - 60 Hz - 3 phase	208/230v	460v	575v	208/230v	460v	575v
	[1]Rec. maximum fuse size (amps)	30	15	15	45	20	15
	*Minimum Circuit Ampacity	22	11	9	31	16	13
Compressor	Rated load amps	10.3	5.2	4.3	17.3	9.0	7.1
	Locked rotor amps	77.0	39.0	30.6	123	62	50
Condenser Fan Motor	Full load amps	3.0	1.5	1.2	3.0	1.5	1.2
	Locked rotor amps	6.0	3.0	2.9	6.0	3.0	2.9
Evaporator Blower Motor	Motor Output - hp (kW)	1.5 (1.1)	1.5 (1.1)	1.5 (1.1)	1.5 (1.1)	1.5 (1.1)	1.5 (1.1)
	Full load amps	5.7	2.6	2.1	5.7	2.6	2.1
	Locked rotor amps	40	20	13.2	40.0	20.0	13.2
Service Outlets 115 volt GFCI (amp rating)		20	20	15	20	20	15

†Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.
[1]Where current does not exceed 100 amps, HACR type circuit breaker may be used in place of fuse (U.S. only).
NOTE - Extremes of operating range are plus and minus 10 % of line voltage.

General Data	Model No.	LGB120H			LGB240H		
	Line voltage data - 60 Hz - 3 phase	208/230v	460v	575v	208/230v	460v	575v
	[1]Rec. max. fuse size (amps) - w/Power Exhaust	70	35	30	125	60	50
	Less Power Exhaust	70	35	25	110	60	45
	*Min. Circuit Ampacity - w/Power Exhaust	59	30	24	109	55	44
	Less Power Exhaust	56	29	23	103	52	42
Compressors	Number	2	2	2	4	4	4
	Rated load amps each (total)	17.3 (34.6)	9.0 (18.0)	7.1 (14.2)	17.3 (69.2)	9.0 (36.0)	7.1 (28.4)
	Locked rotor amps each (total)	123 (246)	62 (124)	50 (100)	123 (492)	62 (248)	50 (200)
Condenser Fan Motors	Number	2	2	2	4	4	4
	Full load amps (total)	3.0 (6.0)	1.5 (3.0)	1.2 (2.4)	3.0 (12.0)	1.5 (6.0)	1.2 (4.8)
	Locked rotor amps (total)	6.0 (12.0)	3.0 (6.0)	2.9 (5.8)	6.0 (24.0)	3.0 (12.0)	2.9 (11.6)
Evaporator Blower Motor	Motor Output - hp (kW)	3 (2.2)	3 (2.2)	3 (2.2)	5 (3.7)	5 (3.7)	5 (3.7)
	Full load amps	10.6	4.8	3.9	16.7	7.6	6.1
	Locked rotor amps	58.0	26.8	16.2	91.0	45.6	36.6
Optional Power Exhaust Fans	No. & Horsepower (W)	(1) 1/2 (373)	(1) 1/2 (373)	(1) 1/2 (373)	(2) 1/2 (373)	(2) 1/2 (373)	(2) 1/2 (373)
	Full load amps (total)	3.0	1.5	1.2	3.0 (6.0)	1.5 (3.0)	1.2 (2.4)
	Locked rotor amps (total)	6.0	3.0	2.9	6.0 (12.0)	3.0 (6.0)	2.9 (5.8)
Service Outlets 115 volt GFCI (amp rating)		20	20	15	20	20	15

†Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.
[1]Where current does not exceed 100 amps, HACR type circuit breaker may be used in place of fuse (U.S. only).
NOTE - Extremes of operating range are plus and minus 10 % of line voltage.

RATINGS

LGB036H COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	900	425	34.3	10.1	2.27	.66	.79	.93	33.1	9.7	2.57	.67	.81	.95	31.9	9.3	2.89	.68	.82	.97	30.6	9.0	3.26	.69	.84	.98
	1200	565	36.2	10.6	2.29	.72	.89	1.00	34.9	10.2	2.58	.73	.91	1.00	33.5	9.8	2.91	.75	.93	1.00	32.2	9.4	3.28	.76	.95	1.00
	1500	710	37.6	11.0	2.30	.79	.97	1.00	36.3	10.6	2.59	.80	.99	1.00	35.0	10.3	2.92	.82	1.00	1.00	33.7	9.9	3.29	.84	1.00	1.00
67°F (19.4°C)	900	425	36.7	10.8	2.29	.52	.63	.75	35.4	10.4	2.59	.53	.64	.76	34.1	10.0	2.91	.53	.65	.78	32.7	9.6	3.28	.54	.66	.80
	1200	565	38.5	11.3	2.30	.55	.69	.85	37.1	10.9	2.60	.56	.70	.87	35.6	10.4	2.93	.57	.72	.89	34.1	10.0	3.30	.58	.74	.91
	1500	710	39.6	11.6	2.31	.59	.76	.94	38.2	11.2	2.61	.60	.78	.96	36.6	10.7	2.94	.61	.80	.98	35.0	10.3	3.31	.62	.82	.99
71°F (21.7°C)	900	425	39.3	11.5	2.31	.40	.50	.61	38.0	11.1	2.61	.40	.51	.62	36.5	10.7	2.93	.40	.51	.63	35.0	10.3	3.31	.40	.52	.64
	1200	565	41.1	12.0	2.32	.41	.54	.67	39.6	11.6	2.62	.41	.55	.68	38.0	11.1	2.96	.41	.55	.69	36.4	10.7	3.33	.42	.57	.71
	1500	710	42.3	12.4	2.33	.42	.58	.73	40.7	11.9	2.63	.42	.58	.75	39.0	11.4	2.96	.43	.60	.77	37.3	10.9	3.34	.44	.61	.79

LGB060H COOLING CAPACITY

Entering Wet Bulb Temperature	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		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	710	1500	17.3	58,900	3930	.65	.79	.94	16.6	56,800	4430	.66	.81	.96	16.1	54,800	5000	.67	.82	.98	15.4	52,500	5630	.68	.85	.99
	945	2000	18.1	61,900	3950	.71	.90	1.00	17.5	59,800	4450	.73	.92	1.00	16.9	57,600	5020	.75	.94	1.00	16.2	55,300	5660	.77	.96	1.00
	1180	2500	18.9	64,400	3980	.79	.98	1.00	18.3	62,300	4480	.81	1.00	1.00	17.6	60,200	5050	.83	1.00	1.00	17.0	58,000	5690	.86	1.00	1.00
67°F (19.4°C)	710	1500	18.4	62,700	3960	.51	.63	.75	17.8	60,600	4460	.52	.64	.77	17.1	58,300	5030	.52	.65	.78	16.4	55,900	5670	.53	.66	.80
	945	2000	19.2	65,500	3990	.55	.69	.86	18.5	63,200	4490	.56	.70	.88	17.8	60,800	5060	.56	.72	.90	17.1	58,200	5690	.57	.74	.93
	1180	2500	19.7	67,300	4000	.59	.77	.96	19.0	64,900	4500	.60	.79	.98	18.3	62,400	5070	.61	.81	.99	17.5	59,800	5700	.62	.83	1.00
71°F (21.7°C)	710	1500	19.6	67,000	4000	.39	.50	.60	19.0	64,700	4500	.39	.50	.61	18.3	62,300	5070	.39	.51	.62	17.5	59,800	5710	.39	.51	.63
	945	2000	20.4	69,700	4030	.40	.54	.67	19.7	67,200	4520	.40	.54	.68	19.0	64,700	5090	.41	.55	.69	18.2	62,000	5730	.41	.56	.71
	1180	2500	20.9	71,300	4040	.42	.58	.74	20.2	68,800	4540	.42	.59	.76	19.4	66,100	5110	.42	.60	.78	18.6	63,300	5750	.43	.61	.81

LGB120H COOLING CAPACITY

Entering Wet Bulb Temperature	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		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Compressor Motor Watts Input	Sensible To Total Ratio (S/T) Dry Bulb		
	L/s	cfm	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C	kW	Btuh		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17.2°C)	1650	3500	35.9	122,400	7750	.70	.86	1.00	33.4	114,100	8750	.71	.87	1.00	30.9	105,400	9910	.71	.89	1.00	28.3	96,400	11,210	.72	.91	1.00
	1890	4000	36.7	125,300	7790	.74	.91	1.00	34.2	116,800	8800	.75	.93	1.00	31.7	108,100	9950	.76	.95	1.00	29.1	99,200	11,260	.77	.97	1.00
	2125	4500	37.5	128,000	7820	.78	.96	1.00	35.0	119,500	8840	.79	.97	1.00	32.5	110,800	10,000	.80	.99	1.00	34.0	115,900	11,310	.82	1.00	1.00
67°F (19.4°C)	1650	3500	38.2	130,200	7860	.55	.68	.82	35.6	121,500	8870	.54	.68	.84	33.0	112,500	10,030	.53	.69	.85	30.2	103,100	11,330	.52	.69	.87
	1890	4000	38.9	132,800	7890	.57	.72	.88	36.3	123,900	8900	.56	.72	.89	33.6	114,800	10,060	.56	.73	.91	30.9	105,300	11,360	.55	.74	.94
	2125	4500	39.6	135,000	7910	.59	.75	.92	36.9	125,900	8930	.58	.76	.94	34.2	116,700	10,090	.58	.77	.96	31.4	107,000	11,410	.58	.79	.99
71°F (21.7°C)	1650	3500	40.8	139,100	7970	.40	.53	.66	38.1	130,100	8990	.39	.52	.66	35.4	120,700	10,160	.37	.52	.66	32.5	111,000	11,470	.35	.51	.67
	1890	4000	41.5	141,500	8020	.41	.55	.69	38.8	132,400	9030	.40	.55	.70	36.0	122,800	10,190	.38	.54	.71	33.1	112,900	11,510	.36	.54	.71
	2125	4500	42.1	143,600	8040	.42	.57	.73	39.4	134,300	9060	.41	.57	.74	36.5	124,600	10,220	.39	.57	.75	33.6	114,600	11,540	.38	.57	.76

LGB240H COOLING CAPACITY

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
	cfm	L/s	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	7000	3305	238.3	69.8	15.52	.69	.84	.98	230.1	67.4	17.51	.70	.86	.99	221.5	64.9	19.82	.71	.87	1.00	211.9	62.1	22.43	.73	.90	1.00
	8000	3775	243.6	71.4	15.63	.72	.89	1.00	235.4	69.0	17.59	.73	.90	1.00	226.4	66.4	19.90	.75	.92	1.00	216.6	63.5	22.58	.77	.95	1.00
	9000	4250	248.4	72.8	15.70	.75	.93	1.00	240.0	70.3	17.70	.77	.95	1.00	230.8	67.6	20.02	.79	.97	1.00	221.2	64.8	22.69	.81	.99	1.00
67°F (19°C)	7000	3305	252.8	74.1	15.76	.54	.66	.80	244.0	71.5	17.77	.54	.67	.82	234.4	68.7	20.12	.55	.69	.84	224.1	65.7	22.79	.56	.70	.86
	8000	3775	257.5	75.5	15.84	.56	.70	.85	248.4	72.8	17.87	.56	.71	.87	238.7	70.0	20.19	.57	.72	.89	228.0	66.8	22.89	.58	.74	.91
	9000	4250	261.3	76.6	15.92	.57	.73	.90	252.1	73.9	17.92	.58	.74	.92	242.1	71.0	20.28	.59	.76	.94	231.1	67.7	23.01	.60	.78	.96
71°F (22°C)	7000	3305	269.2	78.9	16.04	.40	.52	.64	259.7	76.1	18.06	.40	.53	.65	249.5	73.1	20.46	.41	.54	.66	238.6	69.9	23.18	.41	.54	.68
	8000	3775	273.8	80.2	16.10	.41	.54	.67	264.0	77.4	18.16	.41	.55	.68	253.4	74.3	20.55	.41	.56	.70	242.3	71.0	23.26	.42	.57	.72
	9000	4250	277.4	81.3	16.17	.42	.56	.70	267.7	78.5	18.21	.42	.57	.72	256.8	75.3	20.60	.42	.58	.74	245.2	71.9	23.36	.43	.59	.76

BLOWER DATA

LGB036H AND LGB060H BLOWER PERFORMANCE

Air Volume cfm (L/s)	TOTAL STATIC PRESSURE EXTERNAL TO UNIT — inches water gauge (Pa)															
	.10 (25)		.20 (50)		.30 (75)		.40 (100)		.50 (124)		.60 (150)		.70 (174)		.80 (200)	
	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)	RPM	BHP (kW)
900 (425)	525	0.10 (0.07)	630	0.15 (0.11)	725	0.20 (0.15)	805	0.25 (0.19)	875	0.30 (0.22)	945	0.35 (0.26)	1005	0.40 (0.30)	1065	0.50 (0.37)
1000 (470)	560	0.10 (0.07)	660	0.15 (0.11)	745	0.20 (0.15)	825	0.25 (0.19)	895	0.35 (0.26)	960	0.40 (0.30)	1025	0.45 (0.34)	1085	0.55 (0.41)
1100 (520)	600	0.15 (0.11)	690	0.20 (0.15)	775	0.25 (0.19)	850	0.30 (0.22)	920	0.35 (0.26)	985	0.45 (0.34)	1045	0.50 (0.37)	1100	0.55 (0.41)
1200 (565)	635	0.20 (0.15)	725	0.25 (0.19)	805	0.30 (0.22)	875	0.35 (0.26)	945	0.40 (0.30)	1005	0.50 (0.37)	1065	0.55 (0.41)	1120	0.65 (0.48)
1300 (615)	670	0.20 (0.15)	755	0.30 (0.22)	835	0.35 (0.26)	905	0.40 (0.30)	970	0.50 (0.37)	1030	0.55 (0.41)	1090	0.60 (0.45)	1140	0.70 (0.52)
1400 (660)	710	0.25 (0.19)	790	0.35 (0.26)	865	0.40 (0.30)	930	0.45 (0.34)	995	0.55 (0.41)	1055	0.60 (0.45)	1110	0.70 (0.52)	1165	0.75 (0.56)
1500 (710)	750	0.30 (0.22)	825	0.40 (0.30)	895	0.45 (0.34)	960	0.50 (0.37)	1025	0.60 (0.45)	1080	0.70 (0.52)	1135	0.75 (0.56)	1190	0.85 (0.63)
1600 (755)	790	0.40 (0.30)	860	0.45 (0.34)	930	0.50 (0.37)	995	0.60 (0.45)	1050	0.65 (0.48)	1110	0.75 (0.56)	1160	0.85 (0.63)	1215	0.90 (0.67)
1700 (800)	830	0.45 (0.34)	900	0.50 (0.37)	965	0.60 (0.45)	1025	0.65 (0.48)	1085	0.75 (0.56)	1135	0.85 (0.63)	1190	0.90 (0.67)	1240	1.00 (0.75)
1800 (850)	870	0.50 (0.37)	935	0.60 (0.45)	1000	0.65 (0.48)	1060	0.75 (0.56)	1115	0.85 (0.63)	1165	0.95 (0.71)	1220	1.00 (0.75)	1265	1.10 (0.82)
1900 (895)	910	0.60 (0.45)	975	0.70 (0.52)	1035	0.75 (0.56)	1090	0.85 (0.63)	1145	0.95 (0.71)	1200	1.05 (0.78)	1245	1.10 (0.82)	1295	1.20 (0.90)
2000 (945)	950	0.70 (0.52)	1015	0.75 (0.56)	1070	0.85 (0.63)	1125	0.95 (0.71)	1180	1.05 (0.78)	1230	1.15 (0.86)	1280	1.25 (0.93)	1325	1.35 (1.01)
2100 (990)	995	0.80 (0.60)	1050	0.85 (0.63)	1110	0.95 (0.71)	1160	1.05 (0.78)	1215	1.15 (0.86)	1260	1.25 (0.93)	1310	1.35 (1.01)	1355	1.45 (1.08)
2200 (1040)	1035	0.90 (0.67)	1090	1.00 (0.75)	1145	1.10 (0.82)	1200	1.20 (0.90)	1245	1.30 (0.97)	1295	1.40 (1.04)	1340	1.50 (1.12)	1385	1.60 (1.19)
2300 (1085)	1075	1.00 (0.75)	1130	1.10 (0.82)	1185	1.20 (0.90)	1235	1.30 (0.97)	1280	1.40 (1.04)	1330	1.55 (1.16)	1375	1.65 (1.23)	1415	1.75 (1.31)
2400 (1135)	1120	1.15 (0.86)	1170	1.25 (0.93)	1220	1.35 (1.01)	1270	1.45 (1.08)	1320	1.55 (1.16)	1365	1.70 (1.27)	1405	1.80 (1.34)	1450	1.90 (1.42)
2500 (1180)	1160	1.25 (0.93)	1215	1.40 (1.04)	1260	1.50 (1.12)	1310	1.60 (1.19)	1355	1.70 (1.27)	1400	1.85 (1.38)	1440	1.95 (1.45)	1480	2.05 (1.53)

NOTE - All data is measured external to the unit with dry coil, 2 in. (51 mm) filters in place and roof mounting frame.

BLOWER DATA

LGB120H BLOWER PERFORMANCE

Air Volume cfm (L/s)	RPM & Motor Output	TOTAL STATIC PRESSURE EXTERNAL TO UNIT — inches water gauge (Pa)									
		0.1 (25)	0.2 (50)	0.3 (75)	0.4 (100)	0.5 (125)	0.6 (150)	0.7 (175)	0.8 (200)	0.9 (225)	1.0 (250)
3000 (1415)	RPM	510	555	600	650	695	740	790	840	885	935
	BHP	0.60	0.70	0.80	0.95	1.05	1.20	1.40	1.60	1.80	2.05
	kW	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.2	1.3	1.5
3500 (1650)	RPM	585	625	660	700	740	780	820	860	900	940
	BHP	0.95	1.05	1.15	1.30	1.40	1.60	1.75	1.90	2.10	2.35
	kW	0.7	0.8	0.9	1.0	1.0	1.2	1.3	1.4	1.6	1.8
4000 (1890)	RPM	660	690	725	760	795	830	860	895	930	965
	BHP	1.35	1.50	1.60	1.75	1.90	2.05	2.20	2.35	2.55	2.75
	kW	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.8	1.9	2.1
4500 (2125)	RPM	735	765	795	825	855	885	915	945	975	1005
	BHP	1.90	2.05	2.20	2.35	2.50	2.65	2.80	3.00	3.15	3.35
	kW	1.4	1.5	1.6	1.8	1.9	2.0	2.1	2.2	2.3	2.5
5000 (2360)	RPM	810	835	860	890	915	945	970	995	1025	1050
	BHP	2.60	2.75	2.85	3.05	3.20	3.40	3.55	3.70	3.90	4.10
	kW	1.9	2.1	2.1	2.3	2.4	2.5	2.6	2.8	2.9	3.1

NOTES: 1-All data is measured external to the unit cabinet with dry coil, 2 in. (51 mm) filters in place, and roof mounting frame.

LGB120H POWER EXHAUST FAN PERFORMANCE

Return Air System Static Pressure		Air Volume Exhausted	
in. wg.	Pa	cfm	L/s
.05	10	4085	1930
.10	25	3685	1740
.15	35	3280	1550
.20	50	2880	1360
.25	60	2475	1170

LGB240H BLOWER PERFORMANCE

Air Volume cfm (L/s)	TOTAL STATIC PRESSURE — Inches Water Gauge (Pa)																			
	.40 (100)		.50 (125)		.60 (150)		.70 (175)		.80 (200)		.90 (225)		1.00 (250)		1.10 (275)		1.20 (300)		1.30 (325)		1.40 (350)		1.50 (375)	
	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)
6000 (2830)	645	1.75 (1.31)	680	1.95 (1.46)	715	2.10 (1.57)	755	2.35 (1.75)	790	2.55 (1.90)	820	2.75 (2.05)	855	3.00 (2.24)	885	3.20 (2.39)	920	3.45 (2.57)	950	3.70 (2.76)	980	3.95 (2.95)	1005	4.15 (3.10)
6500 (3065)	670	2.05 (1.53)	705	2.25 (1.68)	740	2.45 (1.83)	775	2.70 (2.01)	810	2.95 (2.20)	840	3.15 (2.35)	875	3.40 (2.54)	905	3.65 (2.72)	935	3.90 (2.91)	965	4.15 (3.10)	995	4.40 (3.28)	1020	4.60 (3.43)
7000 (3305)	695	2.40 (1.79)	730	2.65 (1.98)	765	2.85 (2.13)	800	3.10 (2.31)	830	3.35 (2.50)	865	3.60 (2.69)	895	3.85 (2.87)	925	4.10 (3.06)	955	4.35 (3.25)	980	4.60 (3.43)	1010	4.85 (3.62)	1035	5.10 (3.81)
7500 (3540)	725	2.85 (1.98)	760	3.05 (2.28)	790	3.30 (2.46)	825	3.55 (2.65)	855	3.80 (2.84)	885	4.05 (3.02)	915	4.35 (3.25)	945	4.60 (3.43)	970	4.85 (3.62)	1000	5.15 (3.84)	1025	5.40 (4.03)	1055	5.70 (4.25)
8000 (3775)	755	3.30 (2.24)	790	3.55 (2.65)	820	3.80 (2.84)	850	4.05 (3.02)	880	4.35 (3.25)	910	4.60 (3.43)	940	4.90 (3.66)	965	5.15 (3.84)	995	5.45 (4.07)	1020	5.70 (4.25)	1045	6.00 (4.48)	1070	6.25 (4.66)
8500 (4010)	785	3.80 (2.84)	820	4.10 (3.06)	850	4.35 (3.25)	875	4.60 (3.43)	905	4.90 (3.66)	935	5.20 (3.88)	960	5.45 (4.07)	990	5.75 (4.29)	1015	6.05 (4.51)	1040	6.35 (4.74)	1065	6.60 (4.92)	1090	6.95 (5.19)
9000 (4245)	820	4.40 (3.28)	850	4.70 (3.51)	875	4.95 (3.69)	905	5.25 (3.92)	935	5.55 (4.14)	960	5.80 (4.33)	985	6.10 (4.55)	1015	6.45 (4.81)	1040	6.75 (5.04)	1065	7.05 (5.26)	1090	7.35 (5.48)	1115	7.70 (5.74)
9500 (4485)	850	5.00 (3.73)	880	5.35 (3.99)	910	5.65 (4.22)	935	5.95 (4.44)	960	6.20 (4.63)	985	6.50 (4.85)	1015	6.85 (5.11)	1040	7.20 (5.37)	1065	7.50 (5.60)	1085	7.75 (5.78)	1110	8.10 (6.04)	1135	8.45 (6.30)
10,000 (4720)	885	5.75 (4.29)	910	6.05 (4.48)	940	6.40 (4.77)	965	6.70 (5.00)	990	7.00 (5.22)	1015	7.30 (5.45)	1040	7.65 (5.71)	1065	7.95 (5.93)	1090	8.30 (6.19)	1110	8.60 (6.42)	1135	8.95 (6.68)	1160	9.35 (6.94)

NOTES: 1-All data is measured external to the unit cabinet with dry coil, 2 in. (51 mm) filters in place, and roof mounting frame.

LGB240H POWER EXHAUST FAN PERFORMANCE

Return Air System Static Pressure		Air Volume Exhausted	
in. wg.	Pa	cfm	L/s
.05	10	8175	3860
.10	25	7370	3480
.15	35	6565	3100
.20	50	5760	2720
.25	60	4955	2340

DIMENSIONS - inches (mm)

LGB036H and LGB060H

CORNER WEIGHTS — lbs. (kg)

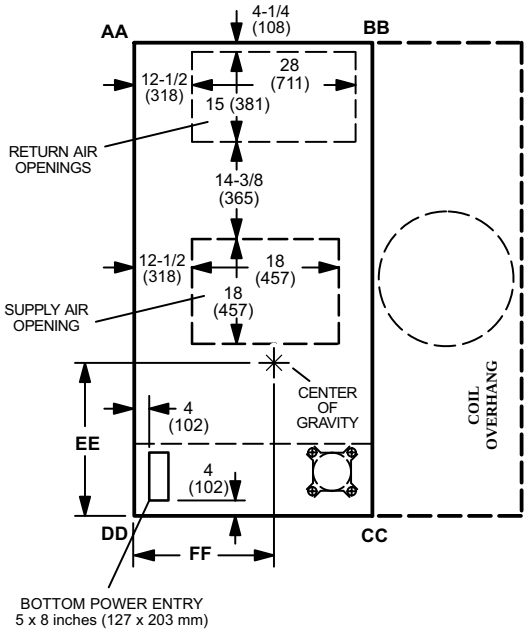
Model Number	AA		BB		CC		DD	
	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg
LGB036H Max. Unit	158	72	206	94	305	139	233	106
LGB060H Max. Unit	160	73	230	104	339	154	235	107

Max. Unit — The standard unit with ALL OPTIONS Installed. (Economizer and controls)

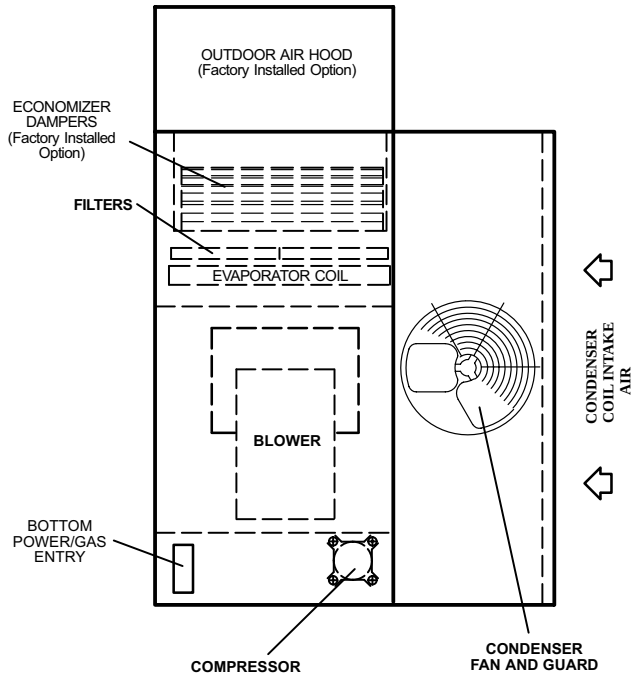
CENTER OF GRAVITY — inches (mm)

Model Number	EE		FF	
	inch	mm	inch	mm
LGB036H Max. Unit	33	838	29-3/16	741
LGB060H Max. Unit	33	838	30-3/16	767

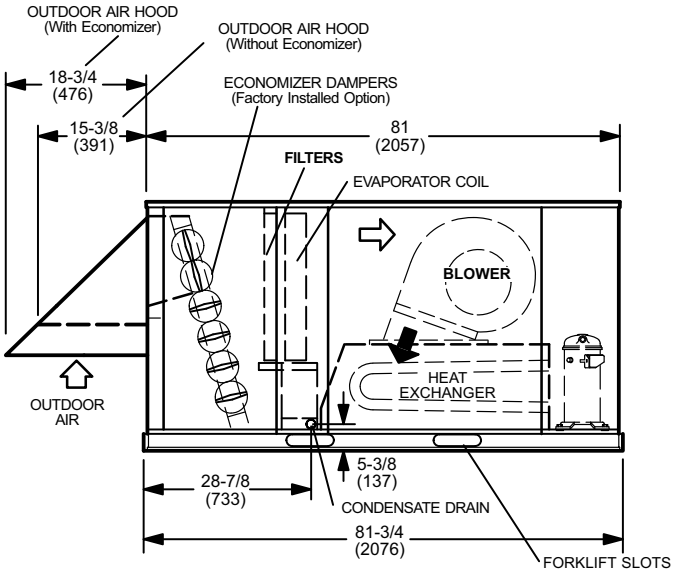
Max. Unit — The standard unit with ALL OPTIONS Installed. (Economizer and Controls)



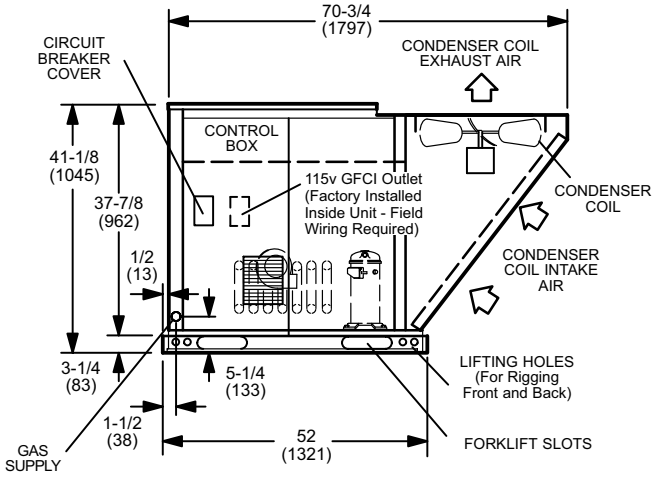
TOP VIEW BASE SECTION



TOP VIEW



SIDE VIEW



FRONT VIEW

DIMENSIONS - inches (mm)

LGB120H

CORNER WEIGHTS — lbs. (kg)

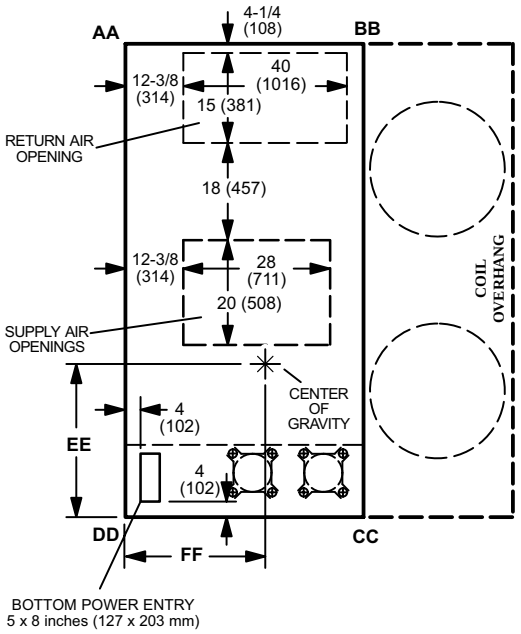
Model Number	AA		BB		CC		DD	
	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg
LGB120H Max. Unit	358	163	475	216	535	243	404	184

Max. Unit — The standard unit with ALL OPTIONS Installed. (Economizer, Power Exhaust Fan, Controls)

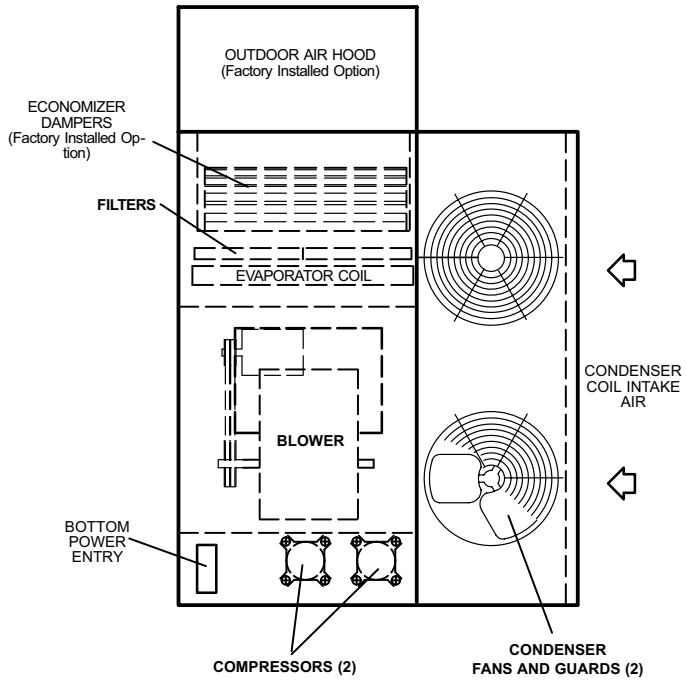
CENTER OF GRAVITY — inches (mm)

Model Number	EE		FF	
	inch	mm	inch	mm
LGB120H Max. Unit	42-5/8	1083	32-5/8	829

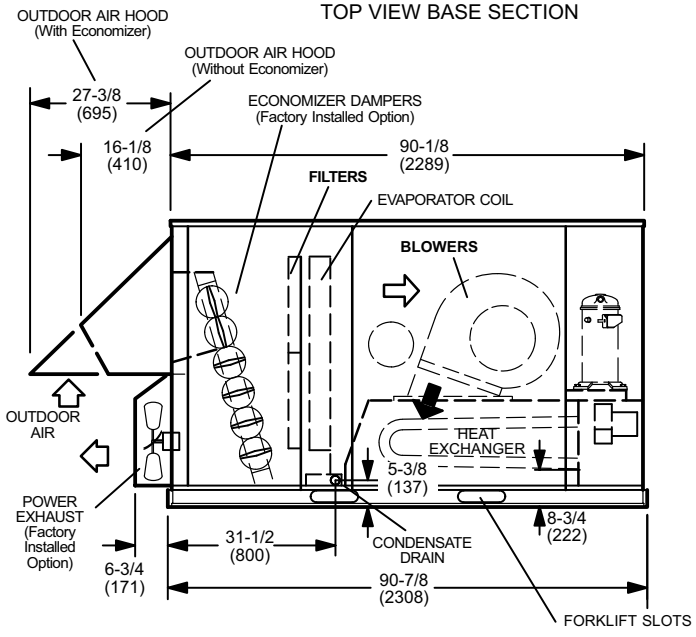
Max. Unit — The standard unit with ALL OPTIONS Installed. (Economizer, Power Exhaust Fan, Controls)



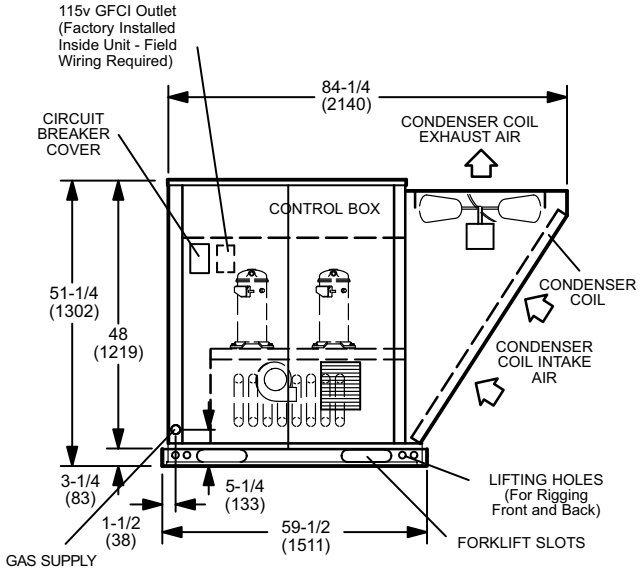
TOP VIEW BASE SECTION



TOP VIEW



SIDE VIEW



FRONT VIEW

DIMENSIONS - inches (mm)

LGB240H

CORNER WEIGHTS — lbs. (kg)

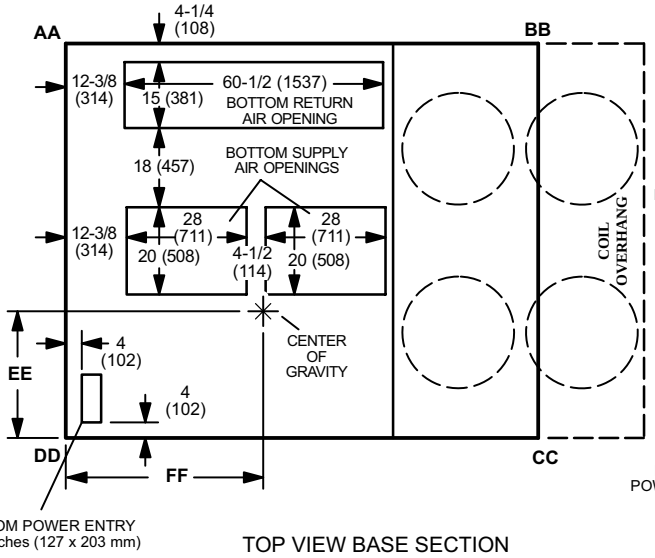
Model Number	AA		BB		CC		DD	
	lbs.	kg	lbs.	kg	lbs.	kg	lbs.	kg
LGB240H Max. Unit	599	272	610	277	833	378	818	371

Max. Unit — The standard unit with ALL OPTIONS Installed. (Economizer, Power Exhaust Fans, Controls)

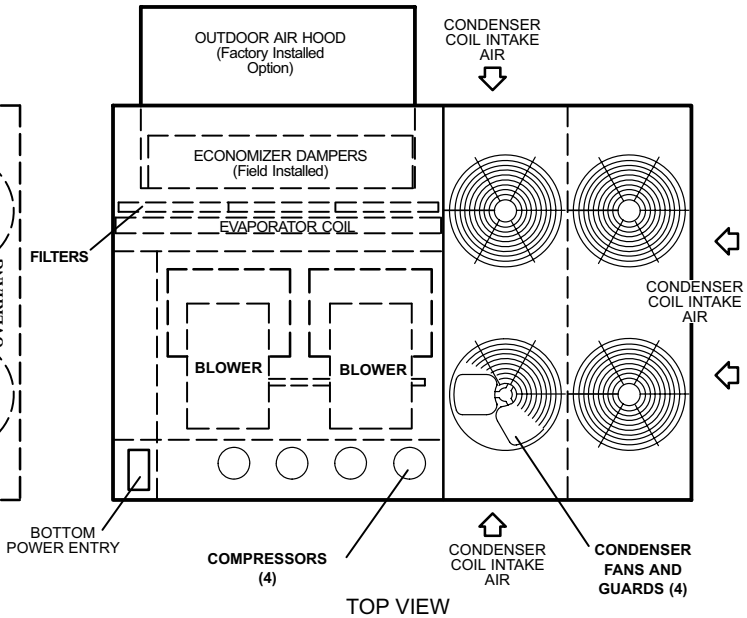
CENTER OF GRAVITY — inches (mm)

Model Number	EE		FF	
	inch	mm	inch	mm
LGB240H Max. Unit	37-1/2	953	54-1/4	1378

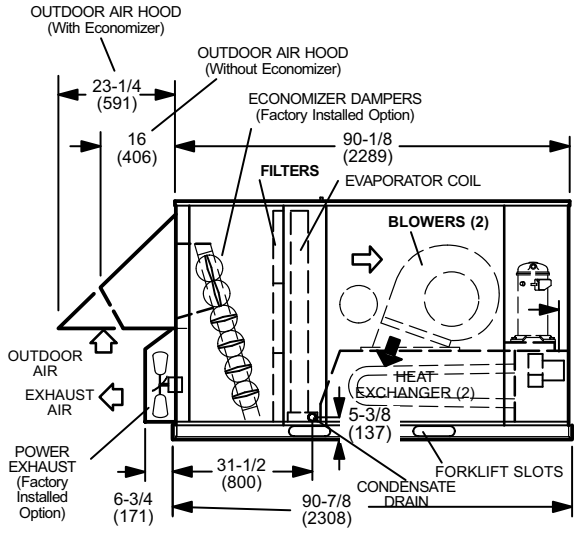
Max. Unit — The standard unit with ALL OPTIONS Installed. (Economizer, Power Exhaust Fans, Controls)



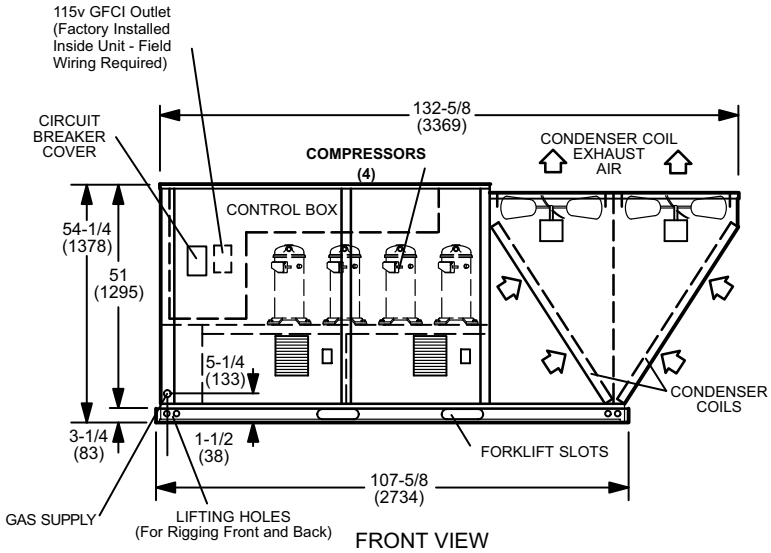
TOP VIEW BASE SECTION



TOP VIEW



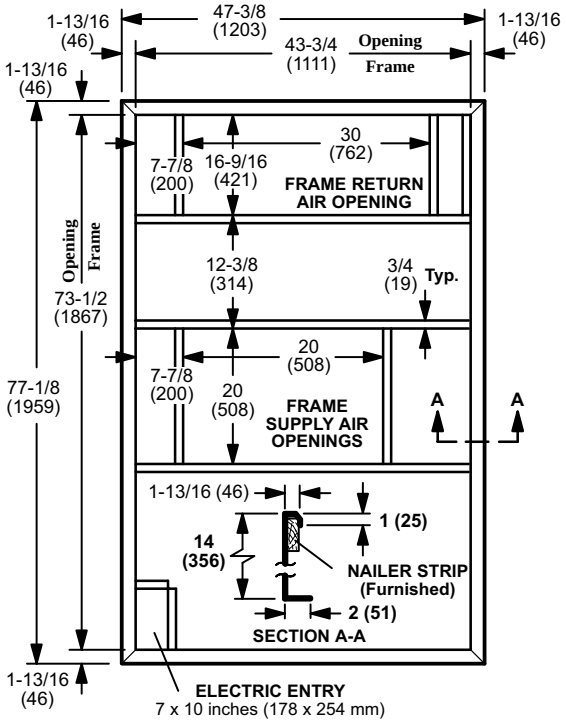
SIDE VIEW



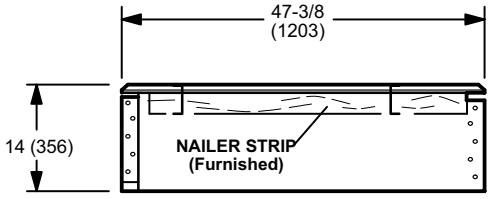
FRONT VIEW

ACCESSORY DIMENSIONS - inches (mm)

ROOF MOUNTING FRAME WITH DOUBLE DUCT OPENING - LGB036H-060H



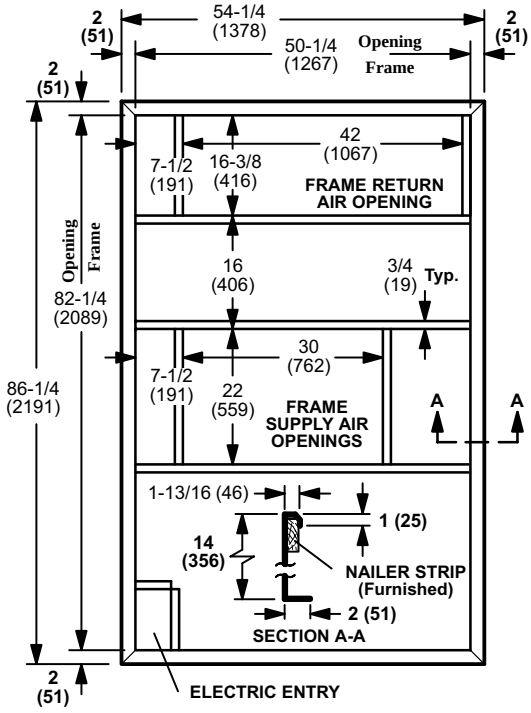
TOP VIEW



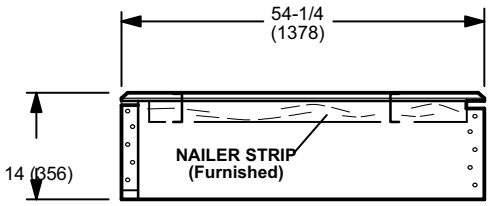
NOTE — Roof deck may be omitted within confines of frame.

SIDE VIEW

ROOF MOUNTING FRAME WITH DOUBLE DUCT OPENING - LGB120H



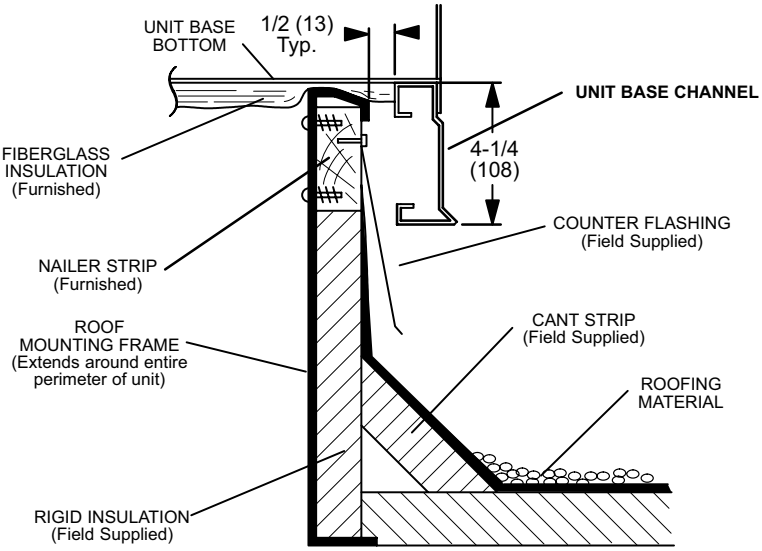
TOP VIEW



NOTE — Roof deck may be omitted within confines of frame.

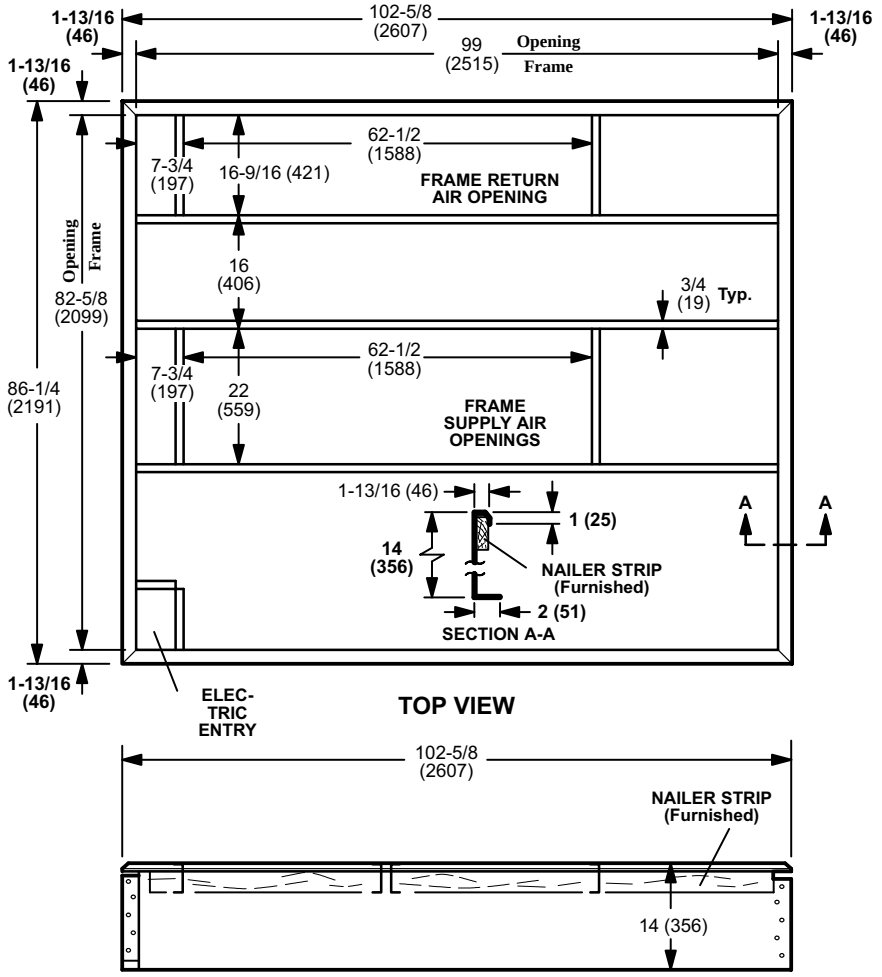
SIDE VIEW

TYPICAL FLASHING DETAIL FOR ROOF MOUNTING FRAME



ACCESSORY DIMENSIONS - inches (mm)

ROOF MOUNTING FRAME WITH DOUBLE DUCT OPENING - LGB240H



NOTE — Roof deck may be omitted within confines of frame.

SIDE VIEW