



XION™ R-454B QUICK REFERENCE GUIDE



2-TO 25-TON XION™ PACKAGED ROOFTOP PERFORMANCE DATA (ELECTRIC OR GAS HEAT) - STANDARD EFFICIENCY

Size (Tons) / Cabinet	2 Ton / A	3 Ton / A	4 Ton / A	5 Ton / A	6 Ton / A	7.5 Ton / B	8.5 Ton / B	10 Ton / B	12.5 Ton / B	15 Ton / C	17.5 Ton / C	20 Ton / C	25 Ton / C
Efficiency	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Model Number	LCX024S5D LGX024S5E	L(C/G)X036S5*	L(C/G)X048S5*	L(C/G)X060S5*	L(C/G)X072S5T	L(C/G)X092S5M	L(C/G)X102S5M	L(C/G)X120S5M	L(C/G)X150S5M	L(C/G)X180S5M	L(C/G)X210S5M	L(C/G)X240S5M	L(C/G)X300S5M
Blower Type	CAV (D) or MSAV (E)	CAV (D) or MSAV (E)	CAV (D) or MSAV (E)	CAV (B) or MSAV (E)	MSAV	MSAV	MSAV	MSAV	MSAV	MSAV	MSAV	MSAV	MSAV
Net Cooling Capacity (Btuh)	23,600	35,600	47,000	58,000	68,000	88,000	99,000	116,000	138,000	172,000	200,000	228,000	270,000
Compressor Qty and Type	1 Single-Speed Scroll				1 Two-Speed Scroll	1 Two-Speed, 1 Fixed-Speed Scroll				3 Fixed-Speed Scroll			4 Fixed-Speed Scroll
Cooling Stages	1	1	1	1	2	3	3	3	3	Up to 3	Up to 3	Up to 3	Up to 3
EER2 (2-5T) / EER (6 Tons and Up)	11.5	11.5	11.5	11.5	11.2 E/E, 11.0 G/E	11.2 E/E; 11.0 G/E	11.2 E/E; 11.0 G/E	11.2 E/E; 11.0 G/E	11.0 E/E; 10.8 G/E	11.0 E/E; 10.8 G/E	11.0 E/E; 10.8 G/E	11.0 E/E; 10.8 G/E	10.0 E/E, 9.8 G/E
SEER2	14.0	14.0	14.0	14.0	-	-	-	-	-	-	-	-	-
IEER (074-300)	-	-	-	-	15.5 E/E; 15.0 G/E	14.8 E/E; 14.6 G/E	14.8 E/E; 14.6 G/E	14.8 E/E; 14.6 G/E	14.2 E/E; 14.0 G/E	14.2 E/E; 14.0 G/E	14.2 E/E; 14.0 G/E	14.2 E/E; 14.0 G/E	13.2 E/E; 13.0 G/E
Gas Heat Sizes (kBtuh) [Up to stages]	65 [1]	65 [1], 108 [1, 2]	65 [1], 108 [1, 2], 150 [2]	65 [1], 108 [1, 2], 150 [2]	65 [1], 108 [1, 2], 150 [2]	130 [2], 180 [2], 240 [2]				260 [2], 360 [2], 480 [2]			
Electric Heat Sizes (kW)	5, 7.5, 10	7.5, 15		7.5, 15, 22.5	7.5, 15, 22.5, 30	7.5, 15, 22.5, 30, 45			15, 22.5, 30, 45, 60		15, 30, 45, 60	15, 30, 45, 60, 90	
Blower Motor Size (HP)	0.25 E/E; 0.5 G/E	0.5, 1	0.5, 1	1, 2	2	2, 3, 5			3, 5, 7.5	3, 5, 7.5	5, 7.5, 10	5, 7.5, 10	
Approx. Base Unit Weight (lbs.) G/E	521	532	532	532	604	918	938	1002	1052	1884	2044	2216	2460
Approx. Base Unit Weight (lbs.) E/E	493	504	504	504	575	870	890	954	1004	1724	1884	2056	2300
Cabinet Size - H x W x L (in.)	39 x 47 x 86				47 x 47 x 86	47 x 61 x 102				55 x 92 x 133			
Filters (Qty) - Size (in.)	(4) 16 x 20 x 2				(4) 20 x 20 x 2	(4) 20 x 25 x 2				(6) 24 x 24 x 2			
Sound (dBA)	74	74	74	74	79	88	88	90	90	86	86	93	94

2-TO 20-TON XION™ PACKAGED ROOFTOP PERFORMANCE DATA HEAT PUMP - STANDARD EFFICIENCY

Size (Tons) / Cabinet	2 Ton / A	3 Ton / A	4 Ton / A	5 Ton / A	7.5 Ton / B	8.5 Ton / B	10 Ton / B	15 Ton / C	20 Ton / C
Efficiency	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Model Number	LHX024S5D	LHX036S5*	LHX048S5*	LHX060S5*	LHX092S5M	LHX102S5M	LHX120S5M	LHX180S5M	LHX240S5M
Blower Type	CAV	CAV (D) or MSAV (E)	CAV (D) or MSAV (E)	CAV (B) or MSAV (E)	MSAV	MSAV	MSAV	MSAV	MSAV
Net Cooling Capacity (Btuh)	22,600	34,600	46,000	57,000	89,000	100,000	116,000	176,000	224,000
Compressor Qty and Type	1 Single-Speed Scroll				1 Two-Speed, 1 Single-Speed Scroll			1 Two-Speed, 1 Single-Speed Scroll	
Cooling Stages	1	1	1	1	3	3	3	3	3
EER2 (2-5T) / EER (6 Tons and Up)	10.6	10.6	10.6	10.6	11.0	11.0	11.0	10.6	10.6
SEER2	13.4	13.4	13.4	13.4	-	-	-	-	-
IEER (092-240)	-	-	-	-	15.0	15.0	15.0	13.5	13.5
Net Heating Capacity - 47°F	23,000	35,000	47,500	58,000	89,000	100,000	115,000	172,000	224,000
HSPF2	6.7	6.7	6.7	6.7	-	-	-	-	-
COP (47F)	-	3.64	3.72	3.7	3.4	3.4	3.4	3.3	3.3
Electric Heat Sizes (kW)	5, 7.5, 10	7.5, 15		7.5, 15, 22.5	7.5, 15, 22.5, 30, 45			15, 22.5, 30, 45, 60	15, 30, 45, 60, 90
Blower Motor Size (HP)	0.25	0.5, 1	0.5, 1	1, 2	2, 3, 5			3, 5, 7.5	5, 7.5, 10
Approx. Base Unit Weight (lbs.) HP	566	566	641	686	1052	1084	1150	2044	2081
Cabinet Size - H x W x L (in.)	39 x 47 x 86			47 x 47 x 86	47 x 61 x 102			55 x 92 x 133	
Filters (Qty) - Size (in.)	(4) 16 x 20 x 2			(4) 20 x 20 x 2	(4) 20 x 25 x 2			(6) 24 x 24 x 2	
Sound (dBA)	75	75	75	80	88	88	88	93	93



FACTORY- AND FIELD-INSTALLED OPTIONS

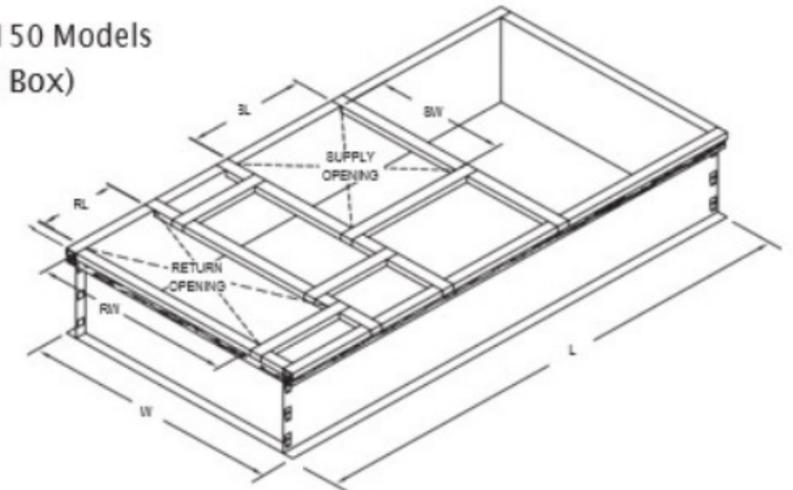
OPTION	FACTORY	FIELD	OPTION	FACTORY	FIELD
COOLING			DEHUMIDIFICATION		
Drain Pan Overflow Switch		•	Humiditrol® (HGRH)*	•	
Low-Ambient Kit		•	INDOOR AIR QUALITY		
PVC or Copper Condensate Drain Trap		•	MERV 8 Filters		•
BLOWER			MERV 13 Filters		•
Blower - Supply Air Motors	•		MERV 16 Filters		•
Blower - Supply Air Drive Kits	•		Replacement Media Filter With Metal Mesh		•
VFD Bypass Kit (MSAV®)		•	IAQ (CO2) Sensors		•
HEATING			Needlepoint Bipolar Ionizers		•
Electric Heat		•	UVC Germicidal Light Kit		•
Gas Heat	•		ELECTRICAL		
Stainless Steel Heat Exchanger	•		Electrical Voltage (60 Hz, 208/230V 1ph, 208/230V, 460V, or 575V - 3ph)	•	
Bottom Gas Piping Kit		•	Disconnect Switch	•	•
Combustion Air Intake Extensions		•	GFI Service Outlets	•	•
Low Temperature Vestibule Heater		•	Weatherproof Cover For GFI		•
LPG/Propane Conversion Kits		•	HIGH PERFORMANCE ECONOMIZER		
Vertical Vent Extension		•	Economizer - Downflow Or Horizontal With Barometric Relief	•	•
CABINETS			Economizer - Horizontal Conversion Kit		•
Combination Coil/Hail Guards (2-25 ton)	•	•	Economizer Controls - Single Sensible/Enthalpy	•	•
Hinged Access Panels	•		Economizer Controls - Differential Enthalpy		•
Horizontal Discharge Kit		•	Horizontal Barometric Relief Dampers - Hood Furnished		•
Return Air Adaptor Plate**	•	•	OUTDOOR AIR		
Corrosion Protection (Indoor coil/Outdoor coil)			Manual Outdoor Air Dampers		•
CONTROLS			Motorized Outdoor Air Dampers		•
CORE Lite Unit Controller	Standard		Power Exhaust Fan Standard Static		•
CS3000 and CS7500 Commercial Programmable Thermostats		•	ROOF CURBS/CEILING DIFFUSERS		
Lennox BACnet Module		•	Roof Curbs (Standard, Clip, Hinged)		•
Smoke Detector Supply and/or Return		•	Ceiling Diffusers		•

**Applies to 7.5- to 12.5-ton models only.

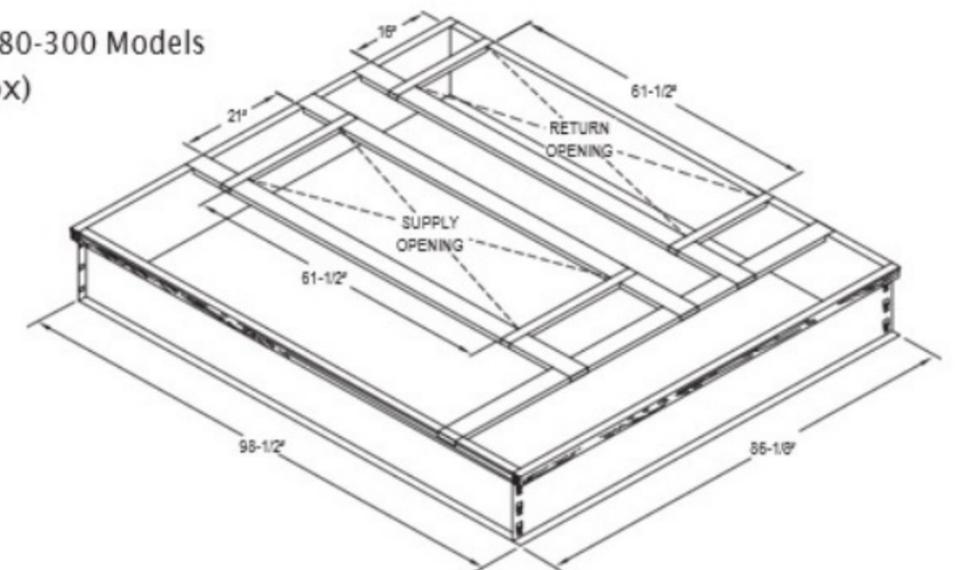
*Only Available on G/E, E/E units

Model No.	LENGTH	WIDTH	SUPPLY AIR		RETURN AIR	
	L	W	SL	SW	RL	RW
024 TO 072 (A)	79-3/4	41-1/2	19-1/8	21-1/8	12-5/8	32
092 TO 150 (B)	95-3/8	54-1/4	29-3/4	21-3/4	26-3/4	29-3/4
180 TO 300 (C)	86-1/8	98-1/2	21	61-1/2	16	61-1/2

For 024-150 Models (A and B Box)



For 180-300 Models (C Box)



Note - Dimensions shown in table above are inches.

Note - Due to Lennox' ongoing commitment to quality, all specifications, ratings and dimensions are subject to change without notice.



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