



# XION™ QUICK REFERENCE GUIDE



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

Size (Tons) / Cabinet	2 Ton / A	2.5 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	Standard
Model Number	KCBO24S4D KGB024S4E	KCBO30S4D KGB030S4E	K(C,G)B036S4*	K(C,G)B048S4*	K(C,G)B060S4*	K(C,G)B074S4T	K(C,G)C092S4M	K(C,G)C102S4M	K(C,G)C120S4M	K(C,G)C150S4M	K(C,G)C180S4M	K(C,G)C210S4M	K(C,G)C240S4M	K(C,G)C300S4M
Blower Type	Direct Drive	Direct Drive	CAV	CAV	CAV	MSAV	MSAV	MSAV	MSAV	MSAV	MSAV	MSAV	MSAV	MSAV
Net Cooling Capacity (Btuh)	23,600	29,600	36,000	47,500	58,500	68,000	86,000	97,000	115,000	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	1	2	3	3	3	3	2	2	2	2
EER (EER2 - 1ph)	(10.6)	(10.6)	12.3 (10.6)	11.5 (10.6)	11.0 (10.6)	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
SEER (SEER2 - 1ph)	(13.4)	(13.4)	14.0 (13.4)	14.0 (13.4)	14.0 (13.4)	-	-	-	-	-	-	-	-	-
IEER (074-300)	-	-	-	-	-	15.0	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]	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	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; 0.33 G/E	0.25 E/E; 0.33 G/E	0.5, 1.0, 1.5	1.0 or 1.5	1.0 or 1.5	1 or 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	571	574	596	596	690	690	918	938	1002	1052	1884	2044	2216	2460
Approx. Base Unit Weight (lbs.) E/E	502	505	527	527	620	620	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	83	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	2.5 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	Standard
Model Number	KHB024S4D	KHB030S4D	KHB036S4*	KHB048S4*	KHB060S4*	KHC092S4M	KHC102S4M	KHC120S4M	KHC180S4M	KHC240S4M
Blower Type	CAV	CAV	CAV	CAV	CAV	MSAV	MSAV	MSAV	MSAV	MSAV
Net Cooling Capacity (Btuh)	23,000	28,800	35,000	46,500	58,000	89,000	100,000	116,000	176,000	222,000
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	1	3	3	3	3	3
EER (EER2 - 1ph)	11.0 (10.6)	11.9 (10.6)	11.5 (10.6)	11.4 (10.6)	11.5 (10.6)	11.0	11.0	11.0	10.6	10.6
SEER (SEER2 - 1ph)	14.0 (13.4)	14.0 (13.4)	14.0 (13.4)	14.0 (13.4)	14.0 (13.4)	-	-	-	-	-
IEER (092-240)	-	-	-	-	-	14.1	14.1	14.1	13.5	13.5
Net Heating Capacity - 47°F	23,000	30,000	36,600	47,500	58,000	88,000	99,000	115,000	166,000	216,000
HSPF (HSPF2 - 1ph)	8.0 (6.7)	8.0 (6.7)	8.0 (6.7)	8.0 (6.7)	8.0 (6.7)	-	-	-	-	-
COP (47F)	-	3.72	3.64	3.72	3.72	3.4	3.4	3.4	3.3	3.3
Electric Heat Sizes (kW)	5, 7.5, 10	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	15, 30, 45, 60, 90
Blower Motor Size (HP)	0.25	0.25	0.5, 1	0.5, 1	1, 1.5, 2	2, 3, 5			3, 5, 7.5	5, 7.5, 10
Approx. Base Unit Weight (lbs.) HP	566	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	75	80	88	88	88	93	93



FACTORY- AND FIELD-INSTALLED OPTIONS					
OPTION	FACTORY	FIELD	OPTION	FACTORY	FIELD
<b>COOLING</b>			<b>DEHUMIDIFICATION</b>		
Drain Pan Overflow Switch		•	Humiditrol® (HGRH)*	•	
Low-Ambient Kit		•	<b>INDOOR AIR QUALITY</b>		
PVC or Copper Condensate Drain Trap		•	MERV 8 Filters		•
<b>BLOWER</b>			MERV 13 Filters		•
Blower - Supply Air Motors	•		MERV 16 Filters		•
Blower - Supply Air Drive Kits	•		Replacement Media Filter With Metal Mesh		•
VFD Manual Bypass Kit (MSAV®)		•	IAQ (CO2) Sensors		•
<b>HEATING</b>			Needlepoint Bipolar Ionizers		•
Electric Heat		•	UVC Germicidal Light Kit		•
Gas Heat	•		<b>ELECTRICAL</b>		
Stainless Steel Heat Exchanger	•		Electrical Voltage (60 Hz, 208/230V 1ph, 208/230V, 460V, or 575V - 3ph)	•	
Bottom Gas Piping Kit		•	HACR Circuit Breakers	•	•
Combustion Air Intake Extensions		•	Disconnect Switch	•	•
Low Temperature Vestibule Heater		•	GFI Service Outlets		•
LPG/Propane Conversion Kits		•	Weatherproof Cover For GFI		•
Vertical Vent Extension		•	<b>ECONOMIZER</b>		
<b>CABINETS</b>			Economizer - Downflow Or Horizontal With Barometric Relief	•	•
Combination Coil/Hail Guards (7.5-25 ton)	•	•	Economizer - Horizontal Conversion Kit		•
Hinged Access Panels	•		Economizer Controls - Single Sensible/Enthalpy	•	•
Horizontal Discharge Kit		•	Economizer Controls - Differential Enthalpy		•
Return Air Adaptor Plate**	•	•	Horizontal Barometric Relief Dampers - Hood Furnished		•
Corrosion Protection (Indoor coil/Outdoor coil)			<b>OUTDOOR AIR</b>		
<b>CONTROLS</b>			Manual Outdoor Air Dampers		•
CS3000 and CS7500 Commercial Programmable Thermostats		•	Motorized Outdoor Air Dampers		•
BACnet Module		•	Power Exhaust Fan Standard Static		•
BACnet Thermostat with Display		•	<b>ROOF CURBS/CEILING DIFFUSERS</b>		
BACnet Thermostat without Display		•	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

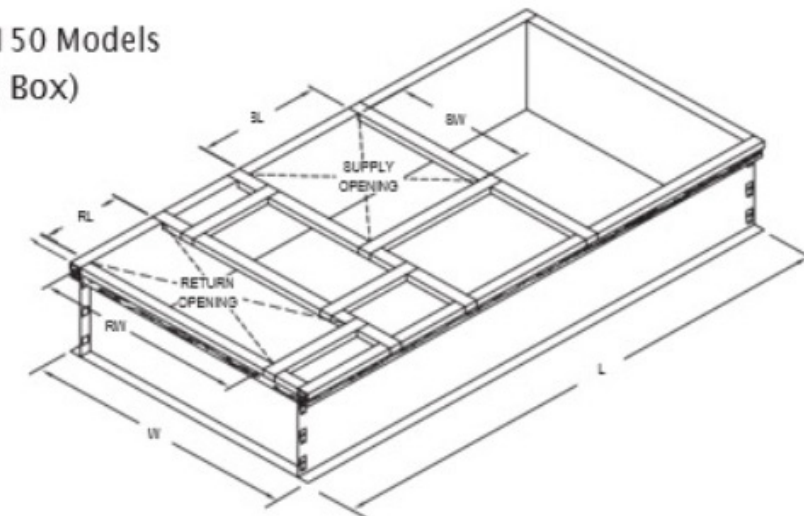
Note - Due to Lennox' ongoing commitment to quality, all specifications, ratings and dimensions are subject to change without notice.

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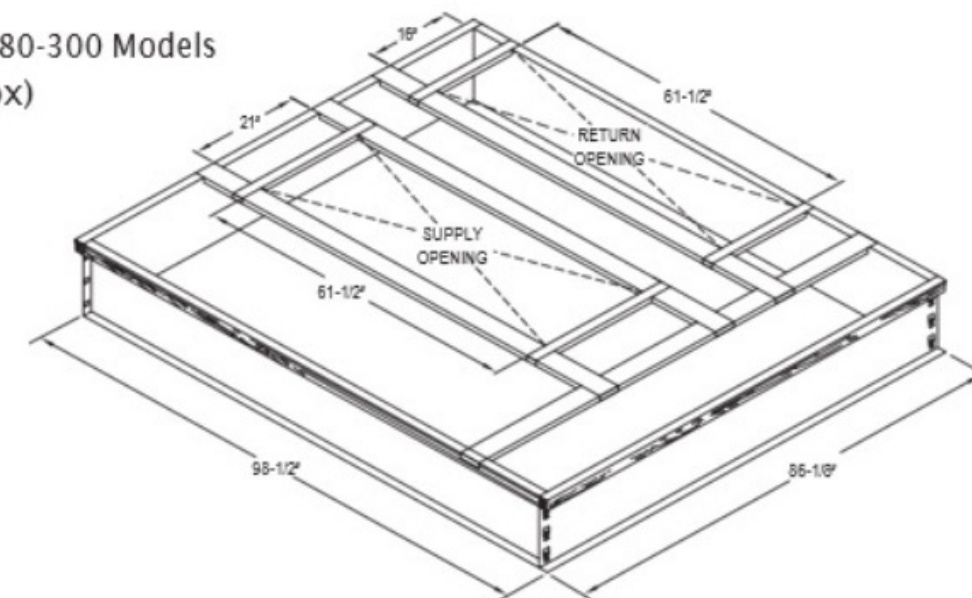
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Model No.	LENGTH	WIDTH	SUPPLY AIR		RETURN AIR	
	L	W	SL	SW	RL	RW
024 TO 074 (A)	79-3/4	41-1/2	19-1/8	21-1/8	12-5/8	32
092 TO 150 (B)	95-3/8	54-1/4	29-3/4	21-3/4	26-3/4	29-3/4
180 TO 300 (C)	86-1/8	98-1/2	21	61-1/2	16	61-1/2

For 024-150 Models  
(A and B Box)



For 180-300 Models  
(C Box)



Note - Dimensions shown in table above are inches.