



ENLIGHT R-454B QUICK REFERENCE GUIDE



3-30 TON ENLIGHT PACKAGED ROOFTOP PERFORMANCE DATA (ELECTRIC OR GAS HEAT) - HIGH EFFICIENCY

Size (Tons) / Cabinet	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	13 Ton / C	15 Ton / C	17.5 Ton / C	20 Ton / C	25 Ton / C	25 Ton / D	30 Ton / D		
Efficiency	High	High	High	High	High	High	High	High	High	High	High	High	High	High	High		
Model Number	L(C,G)T036H5E	L(C,G)T048H5E	L(C,G)T060H5E	L(C,G)T072H5E	L(C,G)T092H5(E,P)	L(C,G)T102H5(E,P)	L(C,G)T120H5(E,P)	L(C,G)T150H5(E,P)	L(C,G)T156H5(M,V)	L(C,G)T180H5(M,V)	L(C,G)T210H5(M,V)	L(C,G)T240H5(M,V)	L(C,G)T300H5(M,V)	L(C,G)T302H5(M,V)	L(C,G)T360H5(M,V)		
Blower Type	MSAV	MSAV	MSAV	MSAV	MSAV/VAV	MSAV/VAV	MSAV/VAV	MSAV/VAV	MSAV/VAV	MSAV/VAV	MSAV/VAV	MSAV/VAV	MSAV/VAV	MSAV/VAV	MSAV/VAV		
Net Cooling Capacity (Btuh)	36,000	49,000	60,000	69,000	92,000	100,000	118,000	138,000	148,000	172,000	200,000	228,000	270,000	300,000	350,000		
Compressor Qty and Type	1 Two-Speed (Scroll)				1 Two-Speed, 1 Fixed-Speed (Scroll)				1 Two-Speed, 1 Fixed-Speed	3 Fixed-Speed (Scroll)	4 Fixed-Speed (Scroll)						
Cooling Stages	2	2	2	2	3	3	3	3	3	3	4	4	4	4	4		
EER (EER2 036-060)	13.5	13.0	12.5	12.2	12.5 E/E; 12.3 G/E	12.3 E/E; 12.1 G/E	12.3 E/E; 12.1 G/E	11.0 E/E; 10.8 G/E	12.2 E/E; 12.0 G/E	12.2 E/E; 12.0 G/E	12.2 E/E; 12.0 G/E	12.2 E/E; 12.0 G/E	10.8 E/E; 10.6 G/E	11.4 E/E; 11.2 G/E	10.8 E/E; 10.5 G/E		
SEER2	17.5	17.3	16.4	-	-	-	-	-	-	-	-	-	-	-	-		
IEER (072 - 360) MSAV Efficiencies Shown	-	-	-	17.3	16.3 (E/E), 16.1 (G/E)	16.3 (E/E), 16.1 (G/E)	16.3 (E/E), 16.1 (G/E)	15.4 (E/E), 15.4 (G/E)	15.6 (E/E), 15.4 (G/E)	15.6 (E/E), 15.4 (G/E)	16.2 (E/E), 16.0 (G/E)	15.6 (E/E), 15.4 (G/E)	14.5 (E/E), 14.3 (G/E)	15.8 (E/E), 15.6 (G/E)	14.2 (E/E), 14.0 (G/E)		
Gas Heat Stages (Up to)	2	2	2	2	2	2	2	2	4	4	4	4	4	4	4		
Electric Heat Sizes (kW)	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			30, 45, 60, 90	30, 45, 60, 90	
Blower Motor Size (HP)	0.5 or 1.5	1.0 or 1.5	1.0 or 1.5	1.5	3.75				3, 5	3, 5, 7.5	3, 5, 7.5	5, 7.5, 10	5, 7.5, 10	5, 7.5, 10	5, 7.5, 10		
Approx. Base Unit Weight (lbs.) G/E	630	629	630	630	1088	1095	1100	1120	2014	2128	2569	2601	2651	3107	3107		
Approx. Base Unit Weight (lbs.) E/E	594	593	594	594	1040	1047	1052	1072	1864	1978	2424	2456	2506	2997	2997		
Cabinet Size - H x W x L (in.)	47 x 47 x 86				47 x 61 x 102				55 x 92 x 104	55 x 92 x 133				65 x 91 x 145			
Filters (Qty) - Size (in.)	(4) 20 x 20 x 2				(4) 20 x 25 x 2				(6) 24 x 24 x 2						(12) 20 x 20 x 2		
Sound (dBA)	75	75	82	82	88	88	89	89	86	93	94	94	94	95	95		

3-25 TON ENLIGHT PACKAGED ROOFTOP PERFORMANCE DATA (HEAT PUMP OR DUAL FUEL) - HIGH EFFICIENCY

Size (Tons) / Cabinet	3 Ton / A	4 Ton / A	5 Ton / A	6.0 Ton / A	6.5 Ton / B	7.5 Ton / B	8.5 Ton / B	10 Ton / B	12.5 Ton / B	13 Ton / C	15 Ton / C	20 Ton / C	25 Ton / D		
Efficiency	High	High	High	High	High	High	High	High	High	High	High	High	High		
Model Number	L(H,D)T036H5E	L(H,D)T048H5E	L(H,D)T060H5E	L(H,D)T072H5E	L(H,D)T078H5E	L(H,D)T092H5E	L(H,D)T102H5E	L(H,D)T120H5E	L(H,D)T152H5E	L(H,D)T156H5M	L(H,D)T180H5M	L(H,D)T240H5M	L(H,D)T302H5M		
Blower Type	MSAV	MSAV	MSAV	MSAV	MSAV	MSAV	MSAV	MSAV	MSAV	MSAV	MSAV	MSAV	MSAV		
Net Cooling Capacity (Btuh)	35,500	44,500	57,000	66,000	78,000	90,000	98,000	116,000	136,000	156,000	176,000	228,000	274,000		
Compressor Qty and Type	1 Two-Speed (Scroll)				1 Two-Speed, 1 Fixed-Speed (Scroll)				1 Two-Speed, 1 Fixed-Speed (Scroll)						
Cooling Stages	2	2	2	2	3	3	3	3	3	3	3	3	3		
EER (EER2 036-060)	12.2	12.0	11.8	11	12.7 HP; 12.5 DF	12.3 HP; 12.1 DF	12.1 HP; 11.9 DF	12.0 HP; 11.8 DF	11.1 HP; 10.9 DF	12.1 HP; 11.9 DF	11.1 HP; 10.9 DF	11.1 HP; 10.9 DF	10.5 HP; 10.3 DF		
SEER2	16.0	15.6	15.2	-	-	-	-	-	-	-	-	-	-		
IEER (072-302)	-	-	-	15.5	17	16.8	16.8	16.6	15.2 HP; 15.0 DF	15.4 HP; 15.2 DF	15.5 HP; 15.3 DF	15.5 HP; 15.3 DF	14.8 HP; 14.6 DF		
Net Heating Capacity - 47°F	34,000	44,000	57,000	66,000	73,000	86,000	96,000	112,000	128,000	150,000	176,000	226,000	270,000		
HSPF2	7.2	7.2	7.2	-	-	-	-	-	-	-	-	-	-		
COP (47F)	-	-	-	3.5	3.5	3.5	3.5	3.5	3.5	3.4 HP; 3.35 DF	3.4	3.4	3.3		
Gas Heat Stages (Up to)	2	2	2	2	2	2	2	2	2	4	4	4	4		
Electric Heat Sizes (kW)	7.5, 15		7.5, 15, 22.5	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 (2)		15, 30, 45, 60, 90 (2)	15, 30, 45, 60, 90 (2)	
Blower Motor Size (HP)	0.5 or 1.5	1.0 or 1.5	1.0 or 1.5	1.5	3.75				3, 5	3, 5, 7.5	5, 7.5, 10	5, 7.5, 10			
Approx. Base Unit Weight (lbs.) DF	674	670	715	715	1101	1121	1123	1123	1224	2358	2386	2428	3107		
Approx. Base Unit Weight (lbs.) HP	645	641	686	686	1053	1073	1075	1075	1176	2198	2226	2268	2997		
Cabinet Size - H x W x L (in.)	47 x 47 x 86				47 x 61 x 102				55 x 92 x 133				65 x 91 x 145		
Filters (Qty) - Size (in.)	(4) 20 x 20 x 2				(4) 20 x 25 x 2				(6) 24 x 24 x 2				(12) 20 x 20 x 2		
Sound (dBA)	75	75	82	82	88	88	88	88	85	94	94	94	94		

ENLIGHT QUICK REFERENCE GUIDE



FACTORY- AND FIELD-INSTALLED OPTIONS

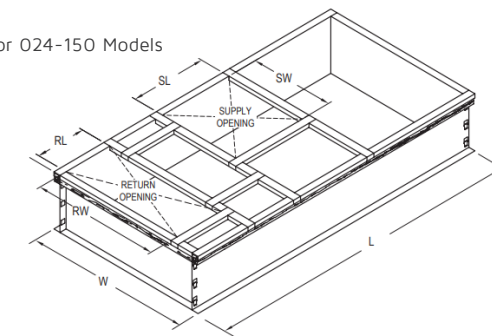
OPTION	FACTORY	FIELD
COOLING		
Refrigerant Type (R-454B)	•	
Drain Pan Overflow Switch	•	•
Condensate Drain Trap (PVC)		•
Condensate Drain Trap (Copper)		•
BLOWER		
Direct Drive ECM Blower - MSAV® (3-12.5 Tons)	•	
Belt Drive Blower with VFD - MSAV® (13-30 Tons)	•	
Belt-Auto Tensioner (13-25 Tons)		•
Variable Air Volume (VAV)* (7.5-30 Tons)	•	
HEATING		
Electric Heat	•	•
Gas Heating	•	
Stainless Steel Heat Exchanger	•	
Bottom Gas Piping Kit		•
Combustion Air Intake Extensions		•
Low-Temperature Vestibule Heater		•
LPG/Propane Conversion Kits		•
Vertical Vent Extension		•
CONTROLS		
Lennox® Core Unit Controller	Standard	
BACnet® IP & MS/ TP	Standard	
Commercial Controls - Novar LSE	•	
Blowing Proving	Standard	
Dirty Filter Switch	•	•
Fresh Air Tempering	•	•
Smoke Detector Supply and/or Return	•	•
Interoperability via BACnet® or LonTalk® Protocols	•	•
After-Market DDC and/or Thermostats		•
Outdoor Air CFM Control		•
CABINET		
Combination Coil/Hail Guards	•	•
Corrosion Protection (indoor coil/outdoor coil/HGRH coil)	•	
Hinged Access Panels	Standard	

OPTION	FACTORY	FIELD
DEHUMIDIFICATION		
Humiditrol® Hot-Gas Reheat Dehumidification System*	•	
INDOOR AIR QUALITY		
MERV 8 Filters	•	•
MERV 13 Filters	•	•
MERV 16 Filters		•
Needlepoint Bipolar Ionization (NPBI)		•
UVC Germicidal Light Kit		•
Replacement Media Filter With Metal Mesh		•
Demand Control Ventilation - IAQ (CO2) Sensors		•
ELECTRICAL		
Voltage 60 Hz	•	
HACR Circuit Breakers	•	•
Disconnect Switch	•	•
SCCR up to 100kA	•	
GFI Service Outlets (Unit-Powered, Factory-Wired)	•	
GFI Service Outlets (Field Wired)	•	•
Weatherproof Cover For GFI		•
OUTDOOR AIR		
High Performance Economizer - (AMCA Class 1A Certified)	•	•
Economizer Controls - Single and/or Differential Enthalpy	•	•
Economizer Controls - Sensible	•	•
Downflow Barometric Relief Dampers	•	•
Horizontal Barometric Relief Dampers		•
Manual Outdoor Air Dampers		•
Motorized Outdoor Air Dampers	•	•
Power Exhaust Fan Standard Static	•	•
ROOF CURBS/CEILING DIFFUSERS		
Roof Curbs - Hybrid		•
Roof Curbs - Standard, Adjustable		•
Insulation Kit - Standard		•
Transition Curb		•
Ceiling Diffusers		•

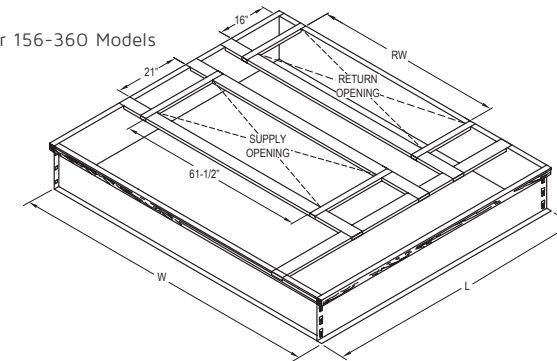
*Only Available on G/E, E/E units

Tonnage	LENGTH	WIDTH	SUPPLY AIR		RETURN AIR	
	L	W	SL	SW	RL	RW
036 TO 072 (A)	79-3/4	41-1/2	19-1/8	21-1/8	12-5/8	32
078 TO 150 (B)	95-3/8	54-1/4	29-3/4	21-3/4	26-3/4	29-3/4
156 TO 300 (C)	86-1/8	98-1/2	21	61-1/2	16	61-1/2
302 TO 360 (D)	86-1/8	111-5/8	21	61-1/2	16	79-1/2

For 024-150 Models



For 156-360 Models



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

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