ENLIGHT

QUICK REFERENCE GUIDE

Enlight rooftop units are powered by the Lennox® CORE Control System and create a bright future through their highly energy-efficient and environmentally sustainable design. Comprehensive configurations meet a wide range of applications, making it the most flexible product line Lennox has to offer.



APPLICATION FLEXIBILITY

The Enlight lineup gives you the flexibility to configure the product to your exact application.

SUSTAINABLE BY DESIGN

The Enlight family was engineered to minimize environmental impact through exceptional efficiency and a sustainable design.

ENGINEERED INTELLIGENCE

The Lennox® CORE control system delivers connected service, open integration, reliable performance, and efficiency optimization to empower all parts of your organization.

SIMPLE SERVICE

Enlight rooftop units maximize efficiency of maintenance and service operations, reducing operational costs, and minimizing downtime.

APPLICATION FLEXIBILITY, INTELLIGENT OPERATION

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

MODEL NUMBER	L(C,G) TO36H5E	L(C,G) TO48H5E	L(C,G)TO60H5E	L(C,G)TO72H5E	L(C,G)TO92H5(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)
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
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
WEIGHT - NET (LBS.) G/E	630	629	630	630	1088	1095	1100	1120	2014	2128	2569	2601	2651	3107	3107
WEIGHT- NET (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				(6) 24 x 24 x 2					(12) 20 x 20 x 2	
FILTERS (QTY) - SIZE (IN.)	(4) 20 x 20 x 2				(4) 20 x 25 x 2				(6) 24 x 24 x 2					(2) 20 x 20 x 2	
SOUND (dBA)	75	75	82	82	88	88	89	89	86	93	94	94	94	95	95

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

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,DT240H5M	L(H,D)T302H5M
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
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) MSAV EFFICIENCIES SHOWN	-	–	-	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 (47°F)	–	–	–	3.5	3.5	3.5	3.5	3.5	34 HP; 3.35 DF	3.4	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
WEIGHT - NET (LBS.) DF	674	670	715	715	1101	1121	1123	1123	1224	2358	2386	2428	3107
WEIGHT - NET (LBS.) HP	645	641	686	686	1053	1073	1075	1075	1076	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

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FACTORY- AND FIELD-INSTALLED OPTIONS

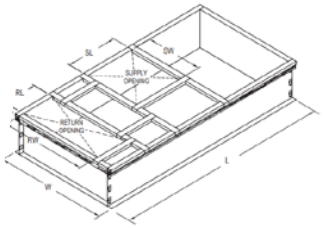
OPTION	FACTORY	FIELD
COOLING		
Refrigerant Type (R-454B)	•	
Drain Pan Overflow Switch	•	•
Condensate Drain Trap (PVC)		•
Condensate Drain Trap (Copper)		•
BLOWER		
Direct Drive ECM Blower - MSAV® (3-12.5 Tons)	•	
Belt Drive Blower with VFD - MSAV® (7.5-30 Tons)	•	
Belt-Auto Tensioner (13-25 Tons)		•
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) Kit		•
UVC Germicial 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

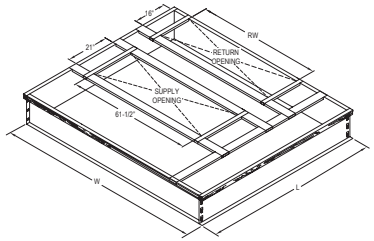
	LENGTH	WIDTH	SUPPLY AIR		RETURN AIR	
TONNAGE	L	W	SL	SW	RL	RW
036 TO 072 (A)	79-3/4	41-1/2	19-1/8	21-1/8	12-5/8	32
078 TO 150 (B)	95-3/8	54-1/4	29-3/4	21-3/4	26-3/4	29-3/4
156 TO 300 (C)	86-1/8	98-1/2	21	61-1/2	16	61-1/2
302 TO 360 (D)	86-1/8	111-5/8	21	61-1/2	16	79-1/2

For 036-150 Models





For 156-360 Models





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Note – Due to our ongoing commitment to quality, all specifications, ratings, and dimensions are subject to change without notice.
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