

Competitive Comparison

Premium Rooftop Units – 3 to 25 Tons



Feature comparison	Lennox: Energize®	Carrier: WeatherMaster® HC	Trane: Precedent™/ Voyager™	York: Predator™/ Sunline Magnum™
Size (tons)	3 to 25	3 to 25	3 to 25	3 to 25
Gas/electric models	LGH	48 HC	YHC (3 to 10 tons)/ YHD/H (12.5 to 25 tons)	ZJ***A/N
Electric/electric models	LCH	50 HC	THC (3 to 10 tons)/ THD/H (12.5 to 25 tons)	ZJ***C/E
Heat pump models		50 HQC (3 to 10 tons)		XP***C/E
Factory-installed options	Extensive ¹	◆	◆	◆
Energy efficiency and performance				
Highest SEER level (5-ton models and below)	18.0	15.6	17.5	15.0
Highest EER level (7.5- to 25-ton gas/electric models only)	12.5	13.0	13.0 (Precedent)/ 12.1 (Voyager)	12.4 (Sunline Magnum)/ 12.2 (Predator)
Number of models at 12 EER or above (gas/electric models only)	11	10	10	10
Highest IEER (7.5 tons and larger)/single-zone VAV	13.6/15.5	13.2/13.9	15.0/15.5 (Precedent)/ 13.3/14.2 (Voyager)	14.0/-
Multi-stage air volume supply fan for increased energy savings and comfort (3 to 6 tons)	MSAV®: 3 to 5 tons	3 to 5 tons	3 to 5 tons (Precedent)	
Multi-stage air volume supply fan for increased energy savings and comfort (7.5 to 25 tons)	MSAV		◆	6.5 to 12.5 tons VAV (Predator)/15 to 25 tons VAV Option (Sunline Magnum)
Blower motor belt auto tensioner to help ensure proper airflow and extend belt life	Option		Idler pulley (Voyager)	
Metering device	TXV: high efficiency/Fixed orifice: standard efficiency (12.5 and 25 tons)	TXV	TXV (Precedent)/Fixed orifice (Voyager)	TXV
Advanced unit controller	Prodigy® (standard)	Electromechanical (standard), PremierLink™ DDC (option), RTU Open Multi-Protocol controller (option)	3 to 10 ton: Electromechanical (standard); ReliaTel™ (option)/12.5 to 25 ton: ReliaTel (standard)	Electromechanical (standard), Simplicity® Intelli- Comfort™ (option)
Certified for BACnet and LonTalk® protocols	◆			
USB port for easy download and transfer of unit information from unit controller	◆			
Comfort, indoor air quality (IAQ) and ventilation				
Multi-stage cooling for increased comfort	3 to 25 tons ²	7.5 to 25 tons	7.5 to 25 ton (3 stages with ReliaTel and Trane Sensor)	6.5 to 25 tons
Maximum number of cooling stages	4	2	3 with ReliaTel and Trane Sensor/2 with electromechanical controls	4
UVC lamp to reduce microbe growth on coils and drain pan	Option			
Highest MERV (Minimum Efficiency Reporting Value) air filters available installed with unit	13		13	13
Double-sloped drain pan, constructed from non-corroding polymer material to help minimize standing water and leaks	◆	◆	Double-sloped (Precedent)/ Single-slope (Voyager)	◆
Demand control ventilation (DCV) for cost-effective IAQ	Option	Option	Option	Option
Independent humidity control	Option	Option	Option	Option
Reliability				
Freezestats	◆	Not available (Gas/ Electric), Standard (Heat pump)	Option	◆
Temperature operating range (°F) using standard controls	0–125	35–125	40–115 (Precedent)/ 0–115 (Voyager)	25–125
Blower (fan) proving switch	◆		Option	Option
Crankcase heater	◆	Not available (Gas/ Electric), Standard (Heat pump)	◆	◆
Filter drier (liquid line strainer)	◆	◆	◆	◆
High-pressure switch	◆	◆	◆	◆
Low-pressure switch	◆	◆	◆	◆
Full-perimeter base rail	◆	◆	◆	◆

(continued on back)

Premium Rooftop Units – 3 to 25 Tons (continued)



	Lennox: Energence®	Carrier: WeatherMaster® HC	Trane: Precedent™/ Voyager™	York: Predator™/ Sunline Magnum™
Installation and serviceability				
Fork slots on three sides for easy installation	◆	3 to 10 tons	◆	3 to 12.5 tons
Isolated compressor compartment to improve ease of serviceability	◆			3 to 12.5 tons
Advanced diagnostic capability through unit controller	◆		Option	Standard (Predator)/ Option (Sunline)
Hinged toolless access panels	◆	Option	Option	Predator only
Slide-out blower motor for easy serviceability (7.5-ton models and above)	◆			7.5 to 10 tons
Fully insulated base to minimize installation costs	◆	◆	◆ (except 12.5 to 25 ton horizontal units)	
Microchannel condenser coil	Environ™ coil system		Standard (4 to 7.5 tons and 12.5 to 25 tons)	Predator 3 to 12.5 tons (standard)
Simplified installation through advanced keyed and color-coded connectors	◆		◆	
Runtime hours and turn-on cycles recorded				
Compressor(s)	◆			◆
Blower	◆			
Condensing fan(s)	◆			
Free cooling	◆			
Heating (with stage information)	◆			◆
Dehumidification mode	◆			
Power exhaust	◆			

¹Over 3 million possible factory configurations.

²Except 6-ton unit.

Comparison based on review of published competitive product catalogs available to public as of November 2012.

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Note: Due to Lennox' ongoing commitment to quality, all specifications, ratings and dimensions are subject to change.



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