LENNOX | COMMERCIAL

INDUSTRY NEWS

LENNOX IS READY FOR NEW EFFICIENCY STANDARDS COMING IN 2018!

Effective January 1, 2018, the U.S. Department of Energy (DOE) will implement a regulation prohibiting the production of new commercial rooftop and split systems (larger than five tons). At the same time, the DOE will move to an IEER (part-load efficiency) only minimum requirement.

This regulation represents a 13 percent efficiency increase in IEER over current standards and will be followed by an additional increase of 15 percent in 2023*. According to the DOE, these standards, developed with industry, utilities, and environmental groups, will save more energy than any other standard issued by the Department to date. It is important to note that contractors can continue to sell commercial equipment built prior to January 2018.

Industry associations for Canada and the U.S., HRAI and AHRI, are working with Natural Resources of Canada (NRCan) to encourage the adoption of similar efficiencies for all provinces and territories within Canada.

Lennox continues to be committed to innovation, trust and quality throughout all regulatory changes.

Lennox Commercial continues to offer a wide array of energy-efficient rooftop and split systems. For more information, visit www.lennoxcommercial.com.

*Source: Department of Energy website

MEET THE EXPERT

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2018 Minimum Cooling Efficiency Standards for Air-Cooled Air Conditioners and Heat Pumps

EQUIPMENT CATEGORY	RATED COOLING CAPACITY	SUB-CATEGORY	HEATING TYPE	MINIMUM ENERGY EFFICIENCY STANDARD
Small Commercial Split and Single Package Air-Conditioners and Heat Pumps (Air-Cooled)	≥65,000 Btu/h and <135,000 Btu/h	AC	Electric Resistance Heating or No Heating	IEER = 12.9
			All Other Types of Heating	IEER = 12.7
		HP	Electric Resistance Heating or No Heating	IEER = 12.2
			All Other Types of Heating	IEER = 12.0
Large Commercial Split and Single Package Air-Conditioners and Heat Pumps (Air-Cooled)	≥135,000 Btu/h and <240,000 Btu/h	AC	Electric Resistance Heating or No Heating	IEER = 12.4
			All Other Types of Heating	IEER = 12.2
		HP	Electric Resistance Heating or No Heating	IEER = 11.6
			All Other Types of Heating	IEER = 11.4
Very Large Commercial Split and Single Package Air-Conditioners and Heat Pumps (Air-Cooled)	≥240,000 Btu/h and <760,000 Btu/h	AC	Electric Resistance Heating or No Heating	IEER = 11.6
			All Other Types of Heating	IEER = 11.4
		HP	Electric Resistance Heating or No Heating	IEER = 10.6
			All Other Types of Heating	IEER = 10.4

2018 Minimum Heating Efficiency Standards for Air-Cooled Heat Pumps

EQUIPMENT CATEGORY	RATED COOLING CAPACITY	HEATING TYPE	MINIMUM ENERGY EFFICIENCY STANDARD
Small Commercial Split and Single Package Heat Pumps (Air-Cooled)	≥65,000 Btu/h and <135,000 Btu/h	Electric Resistance Heating or No Heating	COP = 3.3
		All Other Types of Heating	
Large Commercial Split and Single Package Heat Pumps (Air-Cooled) (Air-Cooled)	≥135,000 Btu/h and <240,000 Btu/h	Electric Resistance Heating or No Heating	COP = 3.2
		All Other Types of Heating	
Very Large Commercial Split and Single Package Heat Pumps (Air-Cooled)	≥240,000 Btu/h and <760,000 Btu/h	Electric Resistance Heating or No Heating	COP = 3.2
		All Other Types of Heating	