



Common Terms & Definitions of Energy Performance Criteria

As an HVAC contractor, you will be familiar with many of the definitions in our [Rebate Guides](#). But you may also discover a few new ones, specific to energy efficiency and equipment performance. We've created this handy list as a reference.

HSPF – Heating Seasonal Performance Factor

This is the ratio of BTUs of heating delivered to watt-hours of electricity consumed over the heating season. It is used to characterise the performance of electric heating equipment over a typical heating season. A higher HSPF rating indicates a higher efficiency.

SEER – Seasonal Energy Efficiency Ratio

This is the ratio of BTUs of cooling delivered to watt-hours of electricity consumed over the cooling season. It is used to characterise the performance of electric cooling equipment over a typical cooling season. A higher SEER rating indicates a higher efficiency.



COP – Coefficient of Performance

This is the measure of a heat pump's efficiency. It is determined by dividing the energy output of the heat pump by the electrical energy needed to run the heat pump, at a specific temperature. The higher the COP, the more efficient the heat pump.

DLC – Design Lights Consortium

The DLC Qualified Products Lists are the largest verified lists of high performing and energy saving LED lighting solutions in the world. Qualified products undergo thorough vetting and review by DLC experts to ensure they meet our rigorous energy and quality requirements. Many organisations base rebate programs on DLC standards for products including high bays, wall packs, retrofit kits, LED panels, and more.

AHRI – The Air-Conditioning, Heating, and Refrigeration Institute

This is the trade association representing manufacturers of HVACR and water heating equipment within the global industry. AHRI has a certification program that is relied upon by regulators for unbiased evaluation of heating, water heating, ventilation, air conditioning, and commercial refrigeration equipment. <https://www.ahrinet.org/about-us>

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