

KEY STANDARDS THAT DRIVE EQUIPMENT EFFICIENCIES

Packaged Rooftop Units and Split Systems

Multiple higher efficiency standards are being developed and revised by multiple agencies.

Efficiency standards above the minimum (ASHRAE 90.1-2010) are not mandatory at the state levels, but:

- ENERGY STAR® is now required on Federal buildings (Jan 2007); may be required on state buildings
- Higher tier efficiency requirements often tied to utility company rebates . See Database of State Incentives for Renewables & Efficiency (DSIRE) <http://dsireusa.org>


 Increasing Efficiency Level

Size	Heating Category	Sub-category	ASHRAE 90.1 2010	CEE Tier 1	EnergyStar May 2010	ASHRAE 189	CEE Tier 2
<65k, 3 phase	Electric	Split System	13 SEER	14 SEER	14 SEER	14 SEER	15 SEER
		Single Package					
	Gas Heat	Split System					
		Single Package					
≥65K & <135K	Electric	All	11.2 EER	11.7 EER	11.7 EER	11.5 EER	12.2 EER
	Gas Heat	All	11.0 EER	11.5 EER	11.5 EER	11.3 EER	12.0 EER
≥135K & <240K	Electric	All	11.0 EER	11.7 EER	11.7 EER	11.5 EER	12.2 EER
	Gas Heat	All	10.8 EER	11.5 EER	11.5 EER	11.3 EER	12.0 EER
≥240K & <760K	Electric	All	10.0 EER	10.7 EER	FUTURE	10.0 EER	11.0 EER
	Gas Heat	All	9.8 EER	10.5 EER	FUTURE	9.8 EER	10.8 EER
≥760K	Electric	All	9.7 EER	9.9 EER	FUTURE	9.7 EER	10.4 EER
	Gas Heat	All	9.5 EER	9.7 EER	FUTURE	9.5 EER	10.2 EER