



Air - Conditioning System & Chiller

The Energy Efficiency of Air Conditioning
Systems B.E. 2562 (2019) (Effective from
January 1, 2019)



Size (Btu/h)	Efficiency (Btu/h/W)	
	Fixed Speed	Inverter
≤27,296	≥12.85	≥15.00
>27,296-40,944	≥12.40	≥14.00
>40,944-61,416	≥10.00	≥14.00



Water Chiller Type		Full Load Chiller Size	Power rate per Tonne of Refrigerant
Cooling Method	Condenser Type	ton	kW/ton
Air-cooled	All types	All types	≤1.12
	Reciprocating Type	All types	≤0.88
Water-cooled	Rotary or Screw Type	All types	≤0.70
	Scroll Type	All types	≤0.89
	Centrifugal Type	≤300 >300	≤0.67 ≤0.61

* Based on a standard testing condition where a chilled water supply system has a water temperature of 7.2 degrees Celsius and a chilled water return system has a water temperature of 32.2 degrees Celsius.

* The other components of the electrical system such as the cooling system, cold water supply system, and air-cooling system, The total value must not exceed 0.5 kilowatts per ton of cooling capacity.