

1323.0681 SECTION 6.8, MINIMUM EQUIPMENT EFFICIENCY TABLES.

ASHRAE Standard 90.1, Table 6.8.1C, is amended to read:

TABLE 6.8.1C Water Chilling Packages - Minimum Efficiency Requirements

Equipment Type	Size Category	Subcategory or Rating Condition	Minimum Efficiencies^a	Test Procedure^b
Air Cooled, with Condenser, Electrically Operated	All Capacities		2.80 COP 3.05 IPLV	ARI 550/590
Air Cooled, without Condenser, Electrically Operated	All Capacities		3.10 COP 3.45 IPLV	
Water Cooled, Electrically Operated, Positive Displacement (Reciprocating)	All Capacities		4.20 COP 5.05 IPLV	ARI 550/590
Water Cooled, Electrically Operated, Positive Displacement (Rotary Screw and Scroll)	<150 tons		4.45 COP 5.20 IPLV	ARI 550/590
	≥150 tons and <300 tons		4.90 COP 5.60 IPLV	
	≥300 tons		5.50 COP 6.15 IPLV	
Water Cooled, Electrically Operated, Centrifugal	<150 tons		5.00 COP 5.25 IPLV	ARI 550/590
	≥150 tons and <300 tons		5.55 COP 5.90 IPLV	
	≥300 tons		6.10 COP 6.40 IPLV	
Air-Cooled Absorption Single Effect ^c	All Capacities		0.60 COP	ARI 560

Water-Cooled Absorption Single Effect ^c	All Capacities		0.70 COP
Absorption Double Effect, Indirect-Fired	All Capacities		1.00 COP 1.05 IPLV
Absorption Double Effect, Direct-Fired	All Capacities		1.00 COP 1.00 IPLV

^aThe chiller equipment requirements do not apply for chillers used in low-temperature applications where the design leaving fluid temperature is <40° F.

^bSection 12 contains a complete specification of the referenced test procedure, including the reference year version of the test procedure.

^cSee Section 6.9.1.

Statutory Authority: *MS s 326B.02; 326B.101; 326B.106; 326B.13*

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