

502.01 Energy Efficiency – HVAC Equipment and Systems

For all new air conditioned buildings, heating, ventilating and air conditioning equipment and systems must comply with the minimum energy efficiency requirements and test procedures listed in Reference Tables 502.01(1) and 502.01(2) or any test procedure approved by Dubai Municipality.

REFERENCE TABLE 502.01 (1)

Minimum Efficiency Requirements for Unitary Air Conditioners and Condensing Units

Equipment Type	Size Category	Heating Section Type	Subcategory or Rating Condition	Minimum Efficiency (T1)	Minimum Efficiency (T3)	Test Procedure
Air Conditioners, air cooled	<65,000 Btu/h	All	Spilt System	9.5 EER	6.6 EER	T1-ARI 210/240
			Single Package	9.5 EER	6.6 EER	T3-ISO 5151
Through-the-wall, air cooled	<=30,000 Bth/h	All	Single Package	8.0 EER	5.7 EER	
Small-duct high-velocity air cooled	<65,000 Bth/h	All	Split System	9.2 EER	6.4 EER	
Air Conditioners, air cooled	>=65,000 Btu/h and <135,000 Btu/h	Electric resistance (or none)	Split System and Single Package	9.5 EER	6.6 EER	T1-ARI 340/360
		All other	Split System and Single Package	9.5 EER	6.6 EER	T3-ISO 5151
	>=135,000 Btu/h and <240,000 Btu/h	Electric resistance (or none)	Split System and Single Package	9.5 EER	6.6 EER	
		All other	Split System and Single Package	9.5 EER	6.6 EER	
	>=240,000 Btu/h and <760,000 Btu/h	Electric resistance (or none)	Split System and Single Package	9.5 EER	6.6 EER	
		All other	Split System and Single Package	9.5 EER	6.6 EER	
	>=760,000 Btu/h	Electric resistance (or none)	Split System and Single Package	9.0 EER	6.3 EER	
		All other	Split System and Single Package	9.0 EER	6.3 EER	

