Water cooled, electrically operated, positive displacement (rotary screw and scroll)	<150 tons	4.45 COP	2.9 COP	T1 - ARI 550/590 T3-ISO 5151
	>=150 tons and <300 tons	4.9 COP	3.2 COP	
	>= 300 tons	5.6 COP	3.6 COP	

Continue: REFERENCE TABLE 502.01 (2)

Water cooled, electrically operated, centrifugal	<150 tons	6.0 COP		ARI 550/590
	>=150 tons and <300 tons	6.5 COP 7.1 IPLV		
	>=300 tons	6.5 COP 7.68 IPLV		
Air-cooled absorption single effect	All capacities	0.7 COP		ARI 560
Water-cooled absorption single effect	All capacities	0.7 COP		
Absorption double effect, indirect-fired	All capacities	1.1 COP 1.1 IPLV		
Absorption double effect, direct-fired	All capacities	1.2 COP 1.2 IPLV		

* The chiller equipment requirements applies to all chillers, including where the design leaving fluid temperature is <4.5°C.

502.02 Demand Controlled Ventilation

For all new air conditioned buildings with mechanical ventilation and existing building types determined by Dubai Municipality, Demand Controlled Ventilation (DCV) using a concentration of Carbon Dioxide (CO_2), or other means to measure occupancy, must be used in spaces larger than one hundred (100) square metres (m2) and having a maximum design occupancy density greater than or equal to twenty five (25) people per hundred meter squares (100m2). The default occupancy density values in ASHRAE 62.2-2007 Table 6.1 should be used when the actual occupancy is not known.

The CO_2 concentration should be kept below eight hundred (800) parts per million (ppm).

An alarm must be triggered if CO_2 concentration rises above hundred (1000) ppm. This alarm is to be either automatically monitored by a central control system, if available, or give a local audible or visual indication when activated.

For all buildings, including existing with DCV, the CO_2 sensors and systems must be checked and recalibrated as per manufacturer recommendations but not to exceed twelve (12) months by a contractor approved by Dubai Municipality.