

1. **مَرْجَبُ مَرْجَرٍ**

2. دَاسَرِ لَاسَرِ مَرُوسِ

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Section 2: Ceiling Cassette Air Conditioners (18,000 BTU to 36,000 BTU)

Technical Parameter	Minimum Mandatory Requirement
Brand	GREE, Daikin or Equivalent
System Type	Semi-Commercial Universal Ceiling Cassette Inverter System.
Airflow Geometry	True 360-Degree Omni-Directional Air Discharge Panel to ensure uniform room air distribution and eliminate localized draft zones.
Louver Automation	Individual, programmatic stepping motor controls for each of the four discharge louvers independently via the controller interface.
Energy Efficiency Standard	All capacities (18,000 BTU to 36,000 BTU) must carry a verified international rating of Minimum A+ or A++ Energy Class (Minimum Cooling Seasonal Energy Efficiency Ratio, SEER, of 5.6 to 6.1).
Condensate Lift Mechanism	Factory-integrated internal condensation drain pump with an automated sentry float switch protective auto-stop , providing a minimum vertical lifting head height of 1000 mm from the ceiling line.
Coil Corrosion Defenses	Indoor heat exchangers must feature Golden Fin anti-corrosion treatments; outdoor units must feature high-ambient multi-layer rust-proof acrylic coatings.
Tubing Architecture	High-pressure inner-grooved rifled copper tubing to maximize heat exchange efficiency while sustaining high-pressure thermal thresholds.
Climate Adaptability	Tropical high-ambient engineering rating certified to maintain continuous, stable cooling performance in outdoor environment temperatures reaching up to 52°C .

