

Technical Specifications for Air Conditioners (Inverter type)

- 1- Cooling & Heating operation i.e. Heat pump model.
- 2- Price must include supply, installation and operation of the split unit in addition to the installation of the drain pipe free discharge to outside the building; where the drain pipes shall be from rigid types (CPVC pipe), drain pipe from flexible type is not allowed.
- 3- Washable dusts filter to catch most small dust particles.
- 4- The tubes of the condenser coil should be copper.
- 5- Defrost function to remove ice formed on the outdoor unit during heating operation.
- 6- Factory and installation defects must be covered under warranty for not less than one year for indoor unit, and five years for compressor unit
- 7- The pipes connect the indoor and outdoor unit shall be insulated over their entire length and the insulation shall be covered with special white color tape.
- 8- The minimum copper pipe length between indoor and outdoor unit should be at least 4 m length. The copper pipe must be one piece, in case of extra copper Pipe length is required, a new pipe roll (one piece) shall be used, however, in case its necessary to use welding joint it must be with the approval of the supervisor, the same will be applied for the cable between indoor & outdoor units in case extra cable is required.
- 9- A proper base for the outdoor units subjected to supervisor approval.
- 10- Friendly environment refrigerant R-410A or R-32 only
- 11- Air conditioner shall be from full inverter type (+++A cooling).
- 12- Wall Mounted Indoor Unit:
 - Operating Modes: Auto, cooling, heating, dry & fan
 - Evaporator Coil: Constructed of copper tubes expanded onto aluminum fins. Factory leak tested.
 - Fan Motor: Indoor fan motor must be inverter driven.
 - Filter: Indoor unit filter must be titanium apatite photo catalytic. Filters must be removable, washable & mildew proof.

13- CONDENSING UNIT :

- Compressor: Inverter driven hermetically sealed swing type compressor
- Condenser Coil: Constructed of copper tubing mechanically bonded to aluminum fins with acryl pre coating to withstand severe weather conditions

14- Site survey is necessary

Bill of Quantities

Capacity (BTU)	Type	Quantity	Location
18000	Split unit	3	AMMAN
24000	Split unit	6	AMMAN & QAIA
36000	cassette	1	QAIA
	Floor stand	5	QAIA
48000	cassette	1	QAIA