

- D. Fan blades aluminium, coated with a corrosion resistant air drying phenolic material
- E. Housing shall be galvanised sheet metal with baked enamel coating
- F. Bolts, nuts, washers shall be stainless steel A2 to DIN 267
- G. Refrigerant pipe work shall be copper tubes, coated with a corrosion resistant air drying phenolic material, for change of direction prefabricated bends are to be used; bending of pipe is not permitted
- H. Condense water pipe work shall be HDPE.
- I. Thermal insulation, Gas & liquid lines shall be insulated separately. Material shall be ozone resistant, closed cell elastomeric plastic tube insulation, thermal conductivity ≤ 0.035 W/mK, thickness indoor ≥ 20 mm, ≥ 50 mm outdoor
- J. Thermal insulation covering for indoors canvas with mastics, outdoor aluminium cladding
- K. Condense water discharge by HDPE pipe to an outdoor installed soak away.

1.2.23.3 Electric Connection

- A. Power supply for indoor unit from outdoor unit.
- B. Power supply for outdoor unit from distribution board with outdoor installed isolator switch, near outdoor unit.
- C. Control of indoor unit shall be through hand held control unit, installed on small junction box on the wall connected with indoor unit through wires or wireless controlled.

1.2.24 Emergency Power Supply

1.2.24.1 General

- A. Emergency power supply diesel generator shall be provided to cater for the power demand during the failure of 'Normal' power supply to the station. The capacity of the generator shall be designed
 - a. **For stations with 1 duty and 1 standby pump** 120% of the load demand of one pump plus 100% of other power load demand
 - b. **For stations with multiple duty and 1 stand-by pump** 120% of the 50% of load of all duty pumps plus 100% other power load demand.