|  |
| --- |
| **Electrical Multiple Units** (for Sub-Urban operations of Indian Railways) |
| D:\R&D web\Data\Landing page of suburban photos\ACMU\acmu 003.jpg |
| **Track** Data | Rail Gauge | 1676mm |
| MinimumCurve Radius | 175 mtrs  |
| Maximum Gradient | 1 in 100  |
| **CurrentCollection System** | Supply VoltageCurrent Collection | 25 kV AC Pantograph |
| **Type of Car** | DMC, TC | Driving Motor Coach; Trailer Coach |
| **Basic Specifications** |
| **Train Composition** |  Multiples of 3 Car Unit configurable to 6/9/12/15/18 | DMC-TC-TC |
| **Axle capacity** | DMC | 20.32 tonnes |
| TC | 16.25 tonnes |
| **Tare Weight** | DMC | 59.30 tonnes |
| TC | 34.00 tonnes |
|  | Wheel Diameter | 952 mm (New)877(DMC)/857(TC) mm (fully worn) |
| **PassengerCarrying Capacity** |  Seating StandingTrailer Coach with Vendors Compartment 88 241Trailer Coach with Ladies Compartment 110 481Driving Motor Coach 98 264 |
| **Speed ControlSystem****Brake System** | Rheostatic Voltage control across full bridge rectifier |
| Electro Pneumatic Compressed Air Brake with bogie Mounted Brake Cylinder & graduate application & release system.Tread brake unit with double shoe. |
| **Train Speed** | i) Maximum Design Speed 105 kmph |
| ii) Maximum Operation Speed 100 kmph |
| **Car Body****Dimensions in mm**  | Length over body Width over body Height from rail totop of roof: Wheel base Distance betweenbogie centers:  | 20,7263,6583,8102,89614,630 |
| **Bogie & DrivingGear Unit** | 1. Bogie Type

ii) **Suspension**· Primary· Secondaryiii) **Driving Gear Unit** | Light weight high corrosion resistant Bolstered bogieBo’-Bo’ arrangement for motor coach Steel Coil SpringAir SpringOne Stage Helical Gear with bipartite housing |
| **Propulsion System** | **Traction Motor** | DC Series Motor |
| **Converter**  | Bridge Rectifier |
| **Insulation** | Material: Double side aluminium clad Glass Wool |
| **Floor Covering** | Material: Al/SS chequered plate |
| **Customer** | Indian Railways  |
| **Cars Supplied** | Above 450 Nos. (as on 31-Mar-2017) |