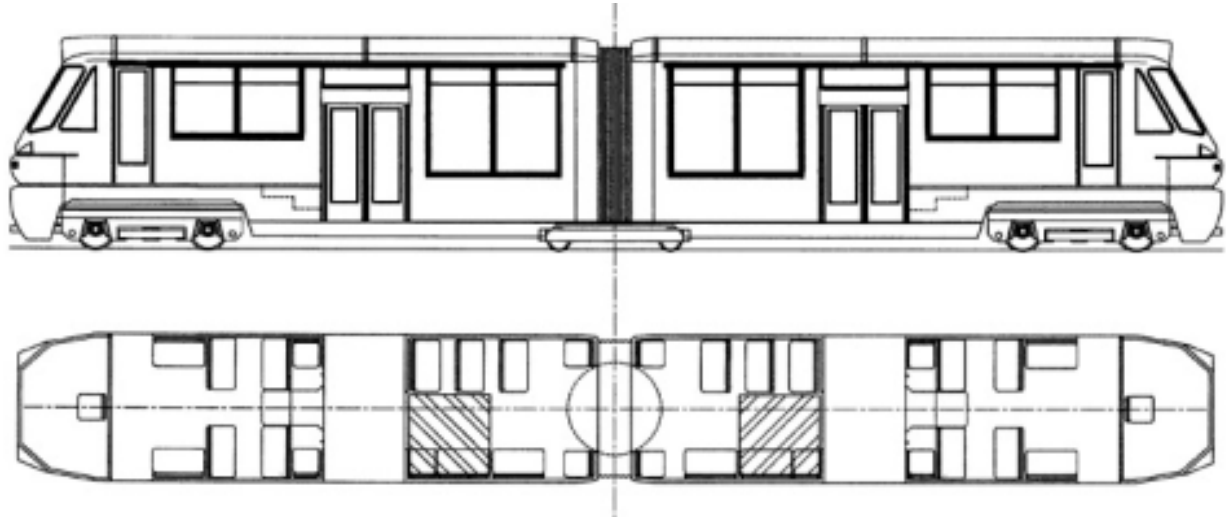


PPM 130

**Dimensions:**

19.6m long
2.4m wide
3.4m high

Boarding Height:

Low floor access (illustrated - with raised seating areas at ends) or high floor for level access from standard British railway platform height

Weight (tare):

18 tonnes

Passenger Accommodation:

Maximum capacity approx. 130 (including standing passengers)
Up to 60 seats (depending on customer specification)
Up to 2 wheelchair positions

Primary Drive Line:

Two powered bogies each featuring

- 2 litre LPG engine
- 1 x 12V battery for LPG unit
- Transmission: Newage marine gearbox, Tandler bevel box and 4 'V' belt drive to flywheel
- 2 x 12V battery supply for ancillary power

Flywheel & Energy Store:

2 x 500kg 1m diameter flywheels
Normal effective speed range 1000-2600rpm
Permits regenerative braking at all times in normal operation

Transmission:

Two-way Linde hydrostatic system through final drive gearbox to single axle drive

Braking:

Normal braking through transmission 1m/s^2
Emergency braking by sprung on, air off disc brakes 3m/s^2 under normal adhesion conditions
Air operated sanding gear

Running Gear:

2 powered bogies at outer ends
1 non-powered articulated bogie in centre

Heating:

Water heated air blown
Separate cab heating and ventilation

Maximum Speed:

65km/h (40mph)

Minimum Curve:

20m radius