

PPM 80

Dimensions:

13.7m long
2.4m wide
3.4m high

Boarding Height:

Minimum 0.3m
Maximum 0.95m (pictured)

Weight (tare):

16 tonnes



Seating:

Up to 41 (depending on customer specification)
1 wheelchair position
Maximum capacity 80 (including standing passengers)

Exterior Design:

Option of modern (pictured) or heritage appearance.

Primary Drive Line:

Two powered bogies each featuring

- Ford 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
- 2 LPG bottles with electric change-over

Alternatives

- fuel tank; track side intermittent electrical supply point; green diesel or hydrogen fuel

Flywheel & Energy Store:

2x 500kg 1m dia
Normal effective speed range 1000-2600rpm

Transmission:

Linde hydrostatics through final drive gearbox, single axle drive

Braking:

Normal braking through transmission (i.e. regenerative) 1m/s^2
Emergency braking through sprung on, air off discs at 3m/s^2 with normal adhesion
Tread and/or track brakes available if required
Air operated sanding gear

Running Gear:

Solid axle with wheels 610mm dia to tram or railway profiles to suit application
Primary suspension of chevron type (coil spring optional)

Heating:

4 x Water heated air blown
Separate cab heating and ventilation

Maximum Speed:

80km/h (50mph)

Curves:

20m radius minimum