

PPM 50

Dimensions:

8.7m long
2.4m wide
3.2m high

Floor Height:

Low 0.45m
High 0.95m (pictured)

Tare (weight):

9.1 tonnes

Seating:

20 without wheelchair
18 with wheelchair
1 wheelchair position
30 standing passengers (total 50 passengers)

Exterior Design:

Option of modern (pictured) or heritage appearance.

Primary Drive Line:

Ford Focus 2L. LPG
1x 12v battery for LPG unit
Through Newage marine gearbox-Tandler bevel box and 4 'V' belt drive to flywheel
2x 12v battery supply for ancillary power
2 LPG bottles with electric change over
Alternative fuel tank with track side supply point optional

Flywheel & Energy Store:

500kg 1m diam normal effective speed range 1000-2600 rpm

Transmission:

Linde hydrostatics through spiral bevel gearbox single axle drive
Second drive axle optional extra

Braking:

Normal braking through transmission (i.e. regenerative) 1m/s^2 (2.3mph/sec)
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 to the driven wheels

Running Gear:

Solid axle with wheels 610mm diam to tram or railway profiles to suit application
Suspension is of chevron type with coil spring optional

Heating:

2 x Water heated air blown

Speed:

25-65km/h (15-40mph) through normal operating range of flywheel

Curves:

15m-radius minimum for standard gauge, smaller radii possible with narrow gauge vehicle

