

## PPM 100

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### **Dimensions:**

18m long  
2.4m wide  
3.2m high

### **Floor Height:**

Low 0.45m  
High 0.95m

### **Weight (tare):**

18 tonnes



### **Seating:**

Approx 40 seats (depending on internal layout)  
2 wheelchair positions  
Total capacity 100 (including standing passengers)

### **Primary Drive Line (per vehicle):**

Ford 2 litre LPG engine  
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  
Options:  
- fuel tank  
- trackside electrical supply

### **Flywheel & Energy Store (per vehicle):**

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

### **Transmission:**

Linde hydrostatics through final drive gearbox single axle drive  
Second drive axle optional extra

### **Braking:**

Normal braking through transmission (i.e. regenerative)  $1\text{m/s}^2$  (2.3mph/sec)  
Emergency braking through sprung on, air off discs at  $3\text{m/s}^2$  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 dia to tram or railway profiles to suit application  
Suspension is of chevron type with coil spring optional

### **Heating (per vehicle):**

2x 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.