

PPM POWERED CHASSIS

Description

- Fully-functional powered chassis with driver's desk fittings
- Features PPM technology flywheel energy storage system
- Supplied for fitting to separately-produced vehicle bodies
- Available in sizes equivalent to PPM 30, PPM 35 and PPM 50
- Vehicle equivalent to PPM 100 produced using two chassis



Primary Drive Line (example for PPM 50 equivalent vehicle):

Ford 2 litre LPG engine

1 x 12V battery for LPG unit

Through 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

Alternative fuel tank with track side supply point optional

Flywheel & Energy Store (example for engine-fitted PPM 50 equivalent vehicle):

500kg 1m dia 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) 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

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 version