



McCulloch
GROUP

McCulloch Multi-Purpose Vehicle

The MMPV (McCulloch Multi-Purpose Vehicle) is a self-mounting, self-propelled (and with the addition of our crane module) self-loading vehicle that can be adapted to a variety of tasks. The MMPV is especially useful in projects where:

Track possession and **occupation times are short or difficult due to scheduled train movements.**

Significant volumes of materials and resources need to be delivered to the work location.

Unwanted materials, waste and equipment **needs to be recovered and removed efficiently from the infrastructure.**

The MMPV has been designed to facilitate the following:

- Lifts itself on and off the track, fully loaded, so it can be prepared for work activity before the possession of the line is granted. It can also be unloaded and packed away once possession has been handed back.
- Within gauge, suitable for planned ALO (Any Line Open) working subject to ECC limitations.
- Suitable to lift on and off track and travel under live OLE (Overhead Line Equipment) subject to ECC limitations.
- Carrying capabilities of 40 tonnes.

Vehicle Data	Metric	Imperial
Vehicle Height (Top of Engine cabinet)	2685 mm	106 in
Vehicle Width (Legs Stored)	2683 mm	106 in
Vehicle Length	12553 mm	41 Foot 2 in
Exceedance with Legs deployed	4811 mm	190 in
Vehicle Deck length	12192 mm	40 Foot
Vehicle Speed	20 km/h	12.5 mph
Vehicle Tare Weight with modular crane fitted	23.5 Tonne	51808 lbs
Carrying Capacity	40 Tonne	88185 lbs
Towing/Braking Load	64 Tonne	141096 lbs
Max Cant	150mm	5.9 Inches
Max Gradient	1 : 25	
Noise Levels	Complies with RIS1530 issue 5; 5.26	

Engine Data	Metric	Imperial
Engine Type	Perkins 1206F-E70TA	
Cylinders	6 In-Line	
Power Output	116-151 kW @ 2,200 rpm	1561-12021 bhp @2,200 rpm
Emissions	EU Stage IV, EPA Tier 4 Final.	
Alternator	24 volt 85 amp	
Oil Type	10W-30	
Oil Capacity	13-16 L	3.4 - 4.2 US gal
Coolant Capacity	4.0 L	1.1 US gal
Coolant	50% Ethylene Glycol Anti-Freeze	
Fuel Type	Diesel	
Fuel Tank	598.5 lt	158.1 gal



Fig 1: MMPV set up on track.

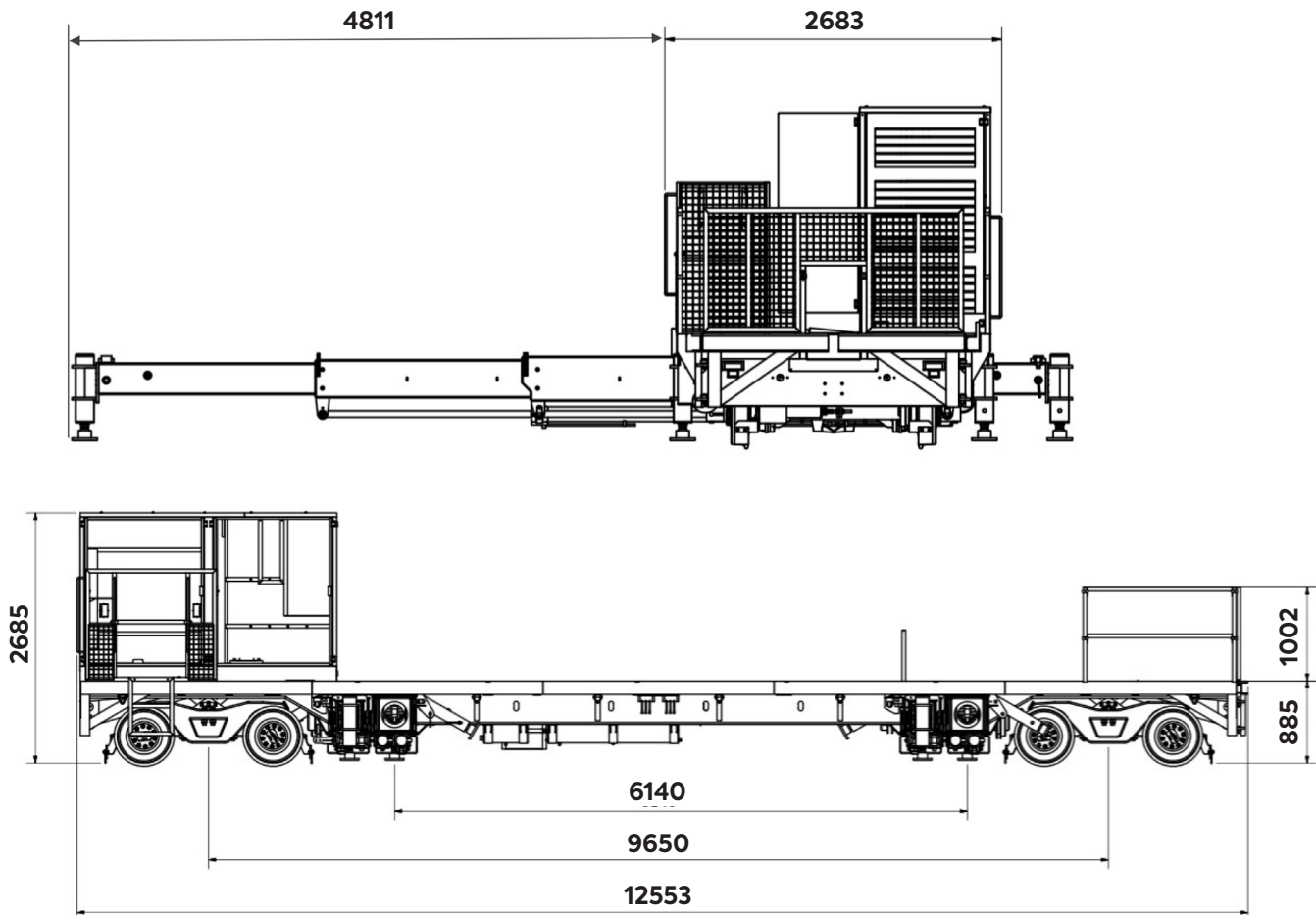


Fig 2: MMPV with crane module unloading cable drums from MMPV deck.



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Dimensions



Capabilities

- Track work
- Wet bed repairs
- Scrap & waste recovery
- Rail renewals and transport
- S&C component repair
- Sleeper replacement
- Welding
- Ballast ploughing and brushing
- Vacuum excavation and replacement
- Vegetation work
- Tree cutting
- Flailing
- Chipping
- Weed killing
- Line side clearance
- Civil work
- Concreting
- Material handling
- Cabinet placement
- Lineside furniture
- Hand rail fitting
- Troughing placement
- Minor piling
- Structure construction and repairs
- Miscellaneous
- Mobile Elevating Work Platform (MEWP)
- OHL cable runs and repairs
- S&T cable runs and repairs
- Ancillary work
- Water jetting
- Vacuum cleaning
- Drain clearance
- Plant transport
- Personnel carrier
- Lighting tower

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