T1250 6x4 Prime Mover-Tractor

Cummins QSK-19: Rated at up to 567kW/760hp

Powerful and robust, the Powertrans T1250 is the ideal haulage solution for mining and remote infrastructure applications.
The Powertrans T1250 Tractor Unit is a product of the adage that necessity is the mother of invention. Worldwide, the ability to haul mine products over long distances at acceptable costs-per-tonne has become an increasing challenge. Multi-trailer road trains are now favoured to haul mine product from the face, pit or stockpile to the ROM or Process Plant. Typically the prime mover for these combinations has been a conventional on-highway road truck with various safety features added to satisfy mining regulations.

**T1250 Features & Benefits**

Powertrans saw the need for a purpose built, robust mine-compatible machine with inherent safety features and ease of maintenance. The Powertrans T1250 has been designed around these parameters and includes these features:

**Safety**
- **Visibility** - centre mounted cab with power mirrors and large windows to allow the operator clear and unrestricted vision.
- **Stairs and walkways** - designed to Australian Standards for easy and safe mounting, dismounting and access to service areas.
- **Fire suppression system** - optional
- **Lighting package** - gives the operator excellent all round clear vision for operation and maintenance.
- **Ergonomic cab** - reduces operator fatigue and the associated risk of injury. A buddy/trainer seat is also fitted.
- **Heavy duty air suspension** - on front axle to provide optimum ride and comfort as well as durability.

**Maintenance**
- **Ground Level Central Service Station** for fill and evacuation of fluids.
- **Tilting cab and bonnet** for full access to engine and transmission.
- **High profile components** e.g. Cummins, Caterpillar, Allison, AxleTech, Hendrickson, Linde

**Market Application**
The T1250 is ideally suited for hauling multiple trailer road trains over long distances. It is fitted with 14.00 R25 tyres which are designed for long distance running at high speeds, unlike the tyres used on larger off highway trucks. The T1250 will be at home in front of a Powertrans Pit Hauler™ as well as other combinations of trailers used in open cut mines. Suitable applications include:

- Side tipping trailers
- Belly dump trailers
- Rear tipping trailers
- Water trucks
- Floats
- Any application where a trailed attachment needs a power source.

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**T1250 Specifications**

**Engine**
Cummins® QSK-19 – Rated at:
- 465 kW/650 hp @ 2275 ft/lb or
- 567 kW/760 hp @ 2275 ft/lb

**Transmission**
Allison M6620 Automatic including retarder and six speeds with full electronic control

**Front and Rear Axles**
- **Drive Axle**: Powertrans PDT50, 50T capacity
- **Steer Axle**: Hendrickson Megatek, 12.5 T capacity

**Suspension**
- Front: Hendrickson Paraaxx airbag system, 12T capacity
- Rear: Hendrickson R1000 walking beam system, 50T capacity

**Cooling**
- Rear of cab mounted, Air Radiators cooling pack incorporating engine radiator, hydraulic oil and fuel coolers with a hydraulically driven fan.

**Wheels and Tyres**
- **Drive Axle**: 12-stud single wedge ring 25 x 10” dismountable drive rims, suitable for 385/95 (or 14.00) R 25 tyres
- **Steer Axle**: 10-stud 335 PCD 25 x 10” steel disc rims, suitable for 385/95 (or 14.00) R 25 tyres

**Chassis**
- I-Beam construction, rigid design utilising latest high tensile steel technology

**Fuel Tanks**
- 1700 litre storage with quick-fill

**Hydraulics**
- 203 L/min pump system complete with 330 litre tank

**Cabin**
- ROPS/FOPS design, Caterpillar 740 or 770 model. Air-conditioned with ergonomic seating for 2 and safe side access to cab via stairs. Cab utilises pneumatic tilt, for easy access to transmission and drive line components.

**Turntable**
- Powertrans Kingpost rated at 500 kN, HD coupling complete with nylon wear pad

**Service Brakes**
- **Drive Axle**: Fully air actuated, Type 36/36 boosters
- **Steer Axle**: Fully air actuated, Type 30 boosters

**Service Centre**
- Engine, transmission and cooling evacuation with quick-fill options.

*Note: Due to Powertrans policy of constant product improvement, specifications may be subject to change without notice.*