

MD040-2

■ Road-rail 4-t dump truck

Features Road-rail dump truck suitable for spreading ballast

- Body size suitable for spreading ballast.
- Provided with drop side gate body suitable for transportation and spreading of ballast.
- Applicable to standard gauge (1,435 mm) and narrow gauge (1,067 mm)
* Changeable to other gauges.



■ Examples of work





Principal specifications

Item	MD040-2
Specifications	
Base vehicle	Isuzu Model U-FRR32DBD
Body specifications	Square bottom three-side tipper truck
Weight of vehicle (kg)	6,050
Max. loading capacity (kg)	1,800
Total weight of vehicle (kg)	7,960
Riding capacity (persons)	2
Fuel tank (L)	100
Dimensions	
Overall length (mm)	5,830
Overall width (mm)	2,190
Overall height (in normal state) (mm)	2,570
Overall height (on track) (mm)	2,669
Overall height (in elevated state) (mm)	4,000
Wheel base (mm)	3,250
Tread (front) (mm)	1,795
Tread (rear) (mm)	1,660
Min. road clearance (mm)	185
Internal length of loading platform (mm)	3,200
Internal width of loading platform (mm)	2,060
Internal height of loading platform (mm)	400
Loading height (mm)	1,240
Min. turning radius (mm)	4,700
Track running performance	
Max. speed (km/h)	1st gear: 15 km/hr 2nd gear: 30 km/hr
Max. gradient at which vehicle can start	35/1,000
Counterbalance braking distance (m)	In fine weather: 18 m In wet weather: 25 m
Braking distance (m)	In fine weather: 10 m In wet weather: 14 m

Major units

Item	MD040-2
Engine	
Model	Isuzu Model 6HEI
Type	4-cycle water-cooled inline direct injection type
Total displacement (cc)	7,127
Max. output (PS/rpm)	195/2,900
Max. torque (kg·m/rpm)	51/1,800
Hydraulic unit	
Type and quantity of hydraulic pumps	Duplex gear pump
Hydraulic pump discharge (L/min)	70.0×2
Max. set pressure (kgf/cm ²)	210
Hydraulic oil tank capacity (L)	100
Operation method	Solenoid valve
Track running equipment	
Wheel	Diameter: 460mm Width: 125mm, wheel back to back gauge: 990mm (narrow gauge), 1,360mm (standard gauge), 4 insulated wheels
Axle	2 axles (diameter 100 mm) Distance between axles: 3,100mm
Motive power source	Hydraulic motor with counterbalance valve (output 84 kW, torque 1,530 N.m)
Drive	Rear axle chain drive system
Brake	Front axle: Electrically operated hydraulic shoe brake Rear axle: hydraulic disc brake + counterbalance valve, with parking braking system and escape lash prevention device
Safety devices in track	
Other safety devices	Driving force release clutch, hydraulic motor free valve, Brake release valve, front and rear lamps, flasher, connecting hole and coupling rod

Major dimensions

