

Off-road Dump Truck

Automatic Transmission Series

- › Electronic-controlled engine and automatic transmission make operation more convenient and efficient.
- › The application of digital and automated technologies makes mining equipment management more efficient.
- › The perfect combination of lightweight technology and superior reliability provides the truck with longer service life, lower transportation cost and greater economic efficiency.



Main Technical Performance and Specification

| | | | | | |
|--------------------|------------------------------------|---|---|-------------------------|---|
| Overall parameters | Model | TLD90 | TLD93A/TLD93B | TLD96 | DT95(R) |
| | Manufacturers | Shaanxi Tonly Heavy Industries Co., Ltd. | | | |
| | Drive mode | 6×4 | 6×4 | 6×4 | 6×4 |
| | Maximum total weight (t) | 90 | 105 | 105 | 95 |
| | Rated load mass (t) | 60 | 70 | 70 | 60 |
| | Overall mass (t) | 30 | 35 | 35 | 35 |
| | Overall size (mm) | 9500×3650×3715 | 10100×3750×4150 | 9900×3670×4250 | 9700×4075×4300 |
| | Wheel base (mm) | 4075+1550 | 4075+1750 | 4075+1750 | 4075+2050 |
| | Wheel track (mm) | 2680/2500 | 2838/2626 | 2838/2626 | 3170/3170 |
| | Minimum ground clearance (mm) | 305 | 420 | 400 | 570 |
| | Minimum turning radius (m) | 11 | 12 | 11 | 12.5 |
| | Maximum height of bucket lift (mm) | 7830 | 8796 | 8320 | 9680 |
| | Maximum angle of bucket lift (°) | 50 | 50 | 50 | 52 |
| | Loading height (mm) | 3975 | 4150 | 4234 | 3708 |
| | Maximum climbing degree (%) | 32 | 32 | 30 | 35 |
| | Maximum speed (km/h) | 40 | 40 | 40 | 50 |
| Engine | Model | WP13G530E310 | WP13G560E310 | WP13G530E310 | WP14TG765E304 |
| | Manufacturer | Weichai Power Co., Ltd. | Weichai Power Co., Ltd. /Xi'an Cummins Engine Co.,Ltd. | Weichai Power Co., Ltd. | Weichai Power Co., Ltd. |
| | Power (hp/kw) | 530/390 | 560/412 530/390 | 530/390 | 560/412 |
| Transmission | Model | FC6A250DPRT | FC6A250DPRT | 4800 ORS | FC6A250DPRT |
| | Manufacturer | Xi'an FC Intelligence Transmission Co.,LTD. | Xi'an FC Intelligence Transmission Co.,LTD. | Allison | Xi'an FC Intelligence Transmission Co.,LTD. |
| | Input torque (N·m) | 2508 | 2508 | 2644 | 2400 |

| | | | | | |
|---------------------|--|----------------------------------|--------------|--------------|--------------|
| Axle | Manufacturer | Shaanxi Hande AXLE Co., Ltd. | | | |
| | Load (t) Front axle +middle axle+rear axle | 20+35+35 | 25+40+40 | 25+40+40 | 25+35+35 |
| Tires / Rims | Tire model | 14.00R25 | 16.00R25 | 16.00R25 | 875/65R29 |
| | Rim size | 10.0/2.0-25 | 11.25/2.0-25 | 11.25/2.0-25 | 27.00/3.0-29 |
| Container | Base plate material/thickness (mm) | NM400/16 | NM400/16 | NM400/16 | NM400/16 |
| | Rear plate material/thickness (mm) | NM400/12 | NM400/12 | NM400/12 | NM400/12 |
| | Front plate material/thickness (mm) | NM400/10 | NM400/10 | T700/10 | NM400/10 |
| | Side plate material/thickness (mm) | NM400/10 | NM400/10 | T700/10 | NM400/12 |
| | Loading capacity (m³) | 30 | 40 | 36 | 30 |
| Hydraulic system | Model | FC179 | FC191 | FC191 | FC191 |
| | Manufacturer | HYVA MECHANICS (CHINA) CO., LTD. | | | |
| | Steering device | Fully hydraulic steering | | | |
| | Container lift time (s) | 25 | 27 | 27 | 20 |
| | Container descent time (s) | 17 | 17 | 17 | 15 |
| Weight distribution | No load | | | | |
| | Front axle (kg) | 10000 | 15000 | 15000 | 13000 |
| | Rear axle (kg) | 20000 | 20000 | 20000 | 22000 |
| | Total weight (kg) | 30000 | 35000 | 35000 | 35000 |
| | Heavy load | | | | |
| | Front axle (kg) | 20000 | 25000 | 25000 | 25000 |
| | Rear axle (kg) | 70000 | 80000 | 80000 | 70000 |
| Total weight (kg) | 90000 | 105000 | 105000 | 95000 | |