



Off-road Dump Truck

6x6 All-Wheel Drive Series

This series is specially designed for operations under conditions of high temperature, high humidity and soft mud, with excellent off-road performance. The product integrates advanced technologies such as full-time six wheel drive technology, IBM intelligent auxiliary brake control technology, full hydraulic steering technology, tropical water temperature control technology, reinforced anti-corrosion technology, active + passive safety protection technology, etc. It has stronger adaptability to working conditions, higher safety and reliability, low acquisition cost and maintenance cost, creating outstanding value to your mining operations.



Main Technical Performance and Specification

Overall parameters	Model	TI859	TL869
	Manufacturers	Shaanxi Tonly Heavy Industries Co., Ltd.	
	Drive mode	6×6	6×6
	Maximum total weight (t)	69	88
	Rated load mass (t)	40	50
	Overall mass (t)	29	38
	Overall size (mm)	9200×3650×4100	9900×4075×4240
	Wheel base (mm)	3710+1800	3900+2050
	Wheel track (mm)	2866/2840	3170/3170
	Minimum ground clearance (mm)	500	570
	Minimum turning radius (m)	11	12.5
	Maximum height of bucket lift (mm)	9029	9402
	Maximum angle of bucket lift (°)	52	52
	Loading height (mm)	3325	3483
	Maximum climbing degree (%)	45	50
Maximum speed (km/h)	50	50	
Engine	Model	WP12G460E310	WP14TG765E304
	Manufacturer	Weichai Power Co., Ltd.	
	Power (hp/kw)	460/338	560/412
Transmission	Model	FC6A210DPRT	FC6A250DPRT
	Manufacturer	Xi'an FC Intelligence Transmission Co.,LTD.	
	Input torque (N·m)	2100	2400

Axle	Manufacturer	Shaanxi Hande AXLE Co., Ltd.	
	Load (t) Front axle +middle axle+rear axle	18+25+25	25+35+35
Tires / Rims	Front tyre type	23.5R25	875/65R29
	Rear tyre type	750/65R25	875/65R29
	Rim size (Front/ rear)	19.5-25/24.0-25	27.00/3.0-29
Container	Base plate material/thickness (mm)	NM400/16	NM400/16
	Rear plate material/thickness (mm)	NM400/10	NM400/12
	Front plate material/thickness (mm)	NM400/10	NM400/10
	Side plate material/thickness (mm)	NM400/10	NM400/10
	Loading capacity (m³)	24	27
Hydraulic system	Model	FC179	FC191
	Manufacturer	HYVA MECHANICS (CHINA) CO., LTD.	
	Teering device	Fully hydraulic teering	
	Container lift time (s)	25	19
	Container descent time (s)	11	14
Weight distribution	No load		
	Front axle (kg)	11000	15000
	Rear axle (kg)	18000	23000
	Total weight (kg)	29000	38000
	Heavy load		
	Front axle (kg)	18000	25000
	Rear axle (kg)	51000	63000
Total weight (kg)	69000	88000	