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Products Introduction



Off-Road Dump Truck

Manual Transmission Series

It is equipped with high-horsepower engine for mining, manual transmission for mining, large-tonnage engineering axle, flexible structure frame and off-road tire, with perfect structure, stable performance and reliable quality. With load capacities ranging from 40 tons, 60 tons, 70 tons, 80 tons to 90 tons, the trucks are widely used in open pit mines, cement mines, quarries, large-scale earthworks and other fields, with attendance rate of more than 90%, low fuel consumption, and high cost-performance ratio.



Main Technical Performance and Specification

Overall parameters	Model	TL891C	TL890A	TL885A	TL875K	TL855D	TLM50
	Manufacturers	Shaanxi Tonly Heavy Industries Co., Ltd.					
	Drive mode	6×4	6×4	6×4	6×4	6×4	6×4
	Maximum total weight (t)	136.5	120	105	90	65	50
	Rated load mass (t)	90	80	70	60	40	35
	Overall mass (t)	46.5	40	35	30	25	15
	Overall size (mm)	10150×4150×4600	9530×3920×4370	9350×3750×4234	9150×3670×3975	8895×3220×3800	8600×2550×3450
	Wheel base (mm)	4175+1900	3775+1750	3775+1750	3775+1550	3600+1500	3775+1400
	Wheel track (mm)	3100/2850	3100/2850	2838/2626	2680/2500	2442/2252	2085/1850
	Minimum ground clearance (mm)	410	390	380	385	350	260
	Minimum turning radius (m)	12	12	11	11	10. 5	11
	Maximum height of bucket lift (mm)	9545	8090	8320	7830	7650	7100
	Maximum angle of bucket lift (°)	52	47	50	50	50	41
	Loading height (mm)	4700	4075	4110	4085	3900	3000
	Maximum climbing degree (%)	32	≥32	32	35	36	25
	Maximum speed (km/h)	40	40	40	40	40	50
Engine	Model	WP15HG770E304	WP14TG765E304	WP13G530E310	WP12G460E310	WP12G430E310	WP10.380E22
	Manufacturer	Weichai Power Co., Ltd.					
	Power (hp/kw)	770/566	580/426	530/390	460/338	430/316	380/280
Transmission	Model	8DS280	8DS280	8DS240A	7DS220	7DS180	10JSD180T
	Manufacturer	Shaanxi Fast Gear Co., Ltd.					
	Input torque (N·m)	2800	2800	2400	2200	1800	1800

Axle	Manufacturer	Shaanxi Hande AXLE Co., Ltd.					
	Load (t) Front axle +middle axle+rear axle	30+50+50	30+45+45	25+40+40	20+35+35	13+25+25	9. 5+16+16
Tires / Rims	Tire model	480/95R29	460/95R25	16.00R25	14.00R25	14.00R25	12.00R20
	Rim size	13.00/2.5-29	11.25/2.0-25	11.25/2.0-25	10.0/2.0-25	10.0/2.0-25	8.5-20
Container	Base plate material/thickness (mm)	NM400/16	NM400/16	NM400/16	NM400/16	NM400/16	T700/10
	Rear plate material/thickness (mm)	NM400/12	NM400/12	NM400/12	NM400/12	NM400/10	T700/8
	Front plate material/thickness (mm)	NM400/10	NM400/10	NM400/10	NM400/10	NM400/10	T700/8
	Side plate material/thickness (mm)	NM400/10	NM400/10	NM400/10	NM400/10	NM400/10	T700/8
	Loading capacity (m³)	52	45	36	30	25	21
Hydraulic system	Model	FC226	FC202	FC191	FC179	FC179	FC157
	Manufacturer	HYVA MECHANICS (CHINA) CO., LTD.					
	Steering device	Fully hydraulic steering			Mechanical dual steering		Mechanical Steering
	Container lift time (s)	27	24	27	25	23	23
	Container descent time (s)	17	23	18	18	17	18
Weight distribution	No load						
	Front axle (kg)	15000	16000	15000	10000	10000	6000
	Rear axle (kg)	31000	24000	20000	20000	15000	9000
	Total weight (kg)	46500	40000	35000	30000	25000	15000
	Heavy load						
	Front axle (kg)	27300	30000	25000	20000	15000	10000
	Rear axle (kg)	109200	90000	80000	70000	50000	40000
	Total weight (kg)	136500	120000	105000	90000	65000	50000