

WIDE-BODY MINING DUMP TRUCK



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90T 宽体矿用车



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HIGH RELIABILITY

They are matched through Weichai Power's five-axis powertrain test bench which is the only one in China. The whole vehicle has passed thousands of tests and the power, reliability, safety has been optimized through high-intensity operation in harsh conditions.

高可靠性

采用国内唯一五轴动力总成试验台匹配，整车在各种恶劣工况下经过上千次试验和验证，使动力性、可靠性、安全性达到最优。

HIGH LOADING CAPACITY

Computer-aided finite element analysis, the overall welding rectangular frame, loading capacity and impact resistance is stronger. In usual earthwork conditions, compared with similar models, cargo loading capacity is 20% higher.

高承载力

采用计算机辅助有限元分析，整体焊接矩形框架，承载能力和抗冲击性更强。在通常的土方条件下，与类似机型相比，货物装载能力要高出20%。

LOW USE COST

According to the specific working conditions, design and choose the suitable products and provide reasonable and scientific product use scheme, to enable the fuel consumption maintenance rate, maintenance costs and operating costs lower than those of the same type, and the effectiveness is maximized.

低使用成本

根据具体的工作条件，为客户设计和选择合适的产品，并提供合理科学的产品使用方案，使油耗大幅降低，维护成本和运行成本低于同类产品，发挥最大的功效。

AUTOMATIC SHANTUI MT3886 DUMP TRUCK SPECIFICATION

General Performance	GWM (kg)	90000	Curb weight (kg)	30000
	Max. speed (km/h)	42	Gradeability (%)	30
	Wheel track (mm)	Front:2512 Rear:2500	Wheel base(mm)	3800+1550
	Approach angle (°)	35	Departure angle (°)	45
	Min. ground clearance(mm)	≥370	Min. turning radius (m)	≤18
	Dimension (LxWxH mm)	8530×3400×4050	Body capacity	35 cube
Engine	Model	WEICHAI WP12G460E310	Cylinder No.	6
	Type	In line, direct injection, water-cooled, turbocharged, electronic controlled	Bore/Stroke(mm)	126/155
	Rated capacity (kW)	338	Min. specified fuel consumption (g/kW.h)	182
	Rated speed (r/min)	2100	Max. Torque (N.m)	2000
	Displacement (mL)	11596	Emission standard	Euro 3
Drive train	Gearbox FC6A250	Type	Cat technology, planetary type, 6 speed automatic	
		Ratio	Forward 1/2/3/4/5/6	4.4/2.33/1.53/1/0.72/0.61
			Reverse 1	3.97
		Retarder	Integrated	
	Front axle	Type	Integrated non-driven steering axle	
		Loading capacity	20t	
	Rear axle	Main reduction ratio	4.625	
		Wheel reduction ratio	3.478	
		Total reduction ratio	16.086	
		Loading capacity	35t+35t	
	Wheel	Rim	10.0/2.0-25	
		Tyre	14.00R25	
		Pressure (MPa)	0.85	
	Suspension	Front	Longitudinal steel spring + Cylindrical shock absorber; 15 springs, thickness: 4x20 mm and 11x18 mm	
		Rear	Longitudinal steel spring + Balancing suspension, 15 springs, thickness 29 mm	

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Braking system	Service brake	Dual circuit, drum brake
	Emergency/Parking brake	Spring potential brake
	Auxiliary brake	WEVB exhaust brake and retarder
	Pressure (bar)	10
	Parking slope (°)	30 (uphill) /20 (downhill)
Steering system	Type	Hydraulic boosted
	Safety valve	Yes
	Steering pump	Vane pump: 25ml/r
	Steering box	JIANGMEN 130
	Min. Turning radius (m)	18
	Pressure (Mpa)	17.2
Hoist system	Type	Pneumatic controlled
	Hydraulic	HYVA/Deppkaler
	Max pressure	22Mpa
	Hoist pump displacement	100L
	Hydraulic tanker	140L
	Lifting time (Loaded)	≤23s
	Down time (Empty)	≤20s
	Total work cycle time	≤50s
Others	Frame	Three-layer ladder type, dimension: 1200*130*450 (12+12+8) mm
	Cab	Left/right side, semi-floated, offset cab, Hydraulic tiltable cab (tilt degree 46°)
	Air fiter	Electric multistage dust filter
	Exhaust	Double side
	Fuel tank	600L aluminum
	Electronics	24V, 70A generator, 5.58kW starter

OVERALL
DIMENSIONS

