



MT86H MINING TRUCK



SPECIFICATIONS

ITEM	DATA	ITEM	DATA
Max. Design Weight(kg)	86000	Overall Dimension (mm)	9070x3880x4050
Unladen/Laden Max.Speed(km/h)	48/42	Unladen/Laden Max. Gradeability (degree)	17°
Bucket Capacity (m ³)	28	Min.Turning Diameter (m)	≤22
Curb Weight (kg)	31700	Rated payload (kg)	55 000



ENGINE

ITEM	DATA	ITEM	DATA
Make	Weichai WP12G460E310	Number of Cylinder	6
Type	Line,Direct Injection, Water-cooling, Inter-cooling, Electric-controlled	Bore/Stroke (mm)	126/155
Rated Power(kW)	338	Min. Fuel Consumption (g/kW.h)	
Rated Speed (r/min)	2100	Max. Torque (N.m)	2000
Emission load (ml)	11596	Emission Standard	GB20891-2014



TRANSMISSION SYSTEM

ITEM	DATA		
Gearbox FC6A210DPRT	Type	Planetary	
	Speeds	7 Forward, 1 Reverse	
	Speed Ratio/ Gear Ratio	1st	4.40
		2nd	2.33
		3rd	1.53
		4th	1.00
		5th	0.72
		6th	0.61
R1		3.97	
Front Axle	Integral steering non-drive axle	Welded Axle Housing	
Middle-Rear Axle	Main Reduction Ratio	4.11	
	Wheel Edge Reduction Ratio	3.81	
	Total Reduction Ratio	15.66	
Wheel	Rim	10.0/2.0-25	
	Tyre	14.00R25	
	Tyre Pressure (MPa)	0.85	
Suspension System	Front Suspension	Leaf spring + double-acting cylinder shock absorber	
	Rear Suspension	Spring + angular contact joint bearing	



BRAKE SYSTEM

ITEM	DATA
Braking Pressure (MPa)	0.85MPa
Main Brake	Two-circuit Air Brake
Auxiliary Brake	WEVB brake, hydraulic retarder brake
Parking Brake	Spring energy storage air brake



REFUELING CAPACITY

ITEM	DATA	ITEM	DATA
Fuel	530L	Engine Oil	27L
Hydraulic Oil	135L	Gearbox	250L
Axle	41L (Middle Axle) 39L(Rear Axle)	Brake Fluid	1.5L
Anti-freezing Fluid	50L		

LIFTING SYSTEM

ITEM	DATA	ITEM	DATA
Type	Pneumatic Control	Limit Valve	01819545
Lifting Cylinder-First Section Effective Dia. x Sections x Total Distance (mm)	4-180*4700	Max.Working Pressure	22Mpa
Work Pump	Gear Pump CBW57G080R	Bucket Lifting Time(full load)	≤25s
Pneumatic Control Valve	01818766	Bucket Lowering Time(no-lade)	≤25s
Lifting Valve	01819205	Total Time	≤50s

STEERING SYSTEM

ITEM	DATA	ITEM	DATA
Type	full hydraulic steering	Steering Cylinder-Cylinder Diameter x Stem Diameter x Min. Installation Distance-Stroke(mm)	HSGL-70x40x405-730
Max.Turning Angle	38°	Steering Gear	BZZ-630
Safety Valve	√	Min.Turning Diameter(m)	22
Steering Pump	Gear pump: displacement 40ml/r	System Working Pressure	17.2

OVERALL DIMENSIONS

ITEM	DATA	ITEM	DATA
Approaching Angle (°)	30	Departure Angle (°)	40
Wheel Tread (mm)	Front Axle:2796; Middle-Rear Axle:2526	Wheelbase (mm)	3800 (Front-Middle) 1500 (Middle-Rear)
Ground Clearance(mm)	≥315	No.of Axles	3

