



CMT96 MINING TRUCK



SPECIFICATIONS

ITEM	DATA	ITEM	DATA
Max. Design Weight (kg)	96000 kg	Overall Dimension (mm)	9680 x 3960 x 4300
Unladen/Laden Max.Speed (km/h)	50/44	Unladen/Laden Max. Gradeability (degree)	17°
Bucket Capacity (m ³)	30	Min.Turning Diameter (m)	16+10+14 mm
Curb Weight (kg)	35000 kg	Min.Turning Diameter (m)	≤24
Payload (kg)	60000		



ENGINE

ITEM	DATA	ITEM	DATA
Make	Weichai WP13G530E310	Number of Cylinder	6
Type	Line,Direct Injection, Water-cooling, Inter-cooling, Electric-controlled	Bore/Stroke (mm)	127/165
Rated Power(kW)	390	Min. Fuel Consumption (g/kW.h)	
Rated Speed (r/min)	2100	Max. Torque (N.m)	2300
Emission load (ml)	12540	Emission Standard	GB20891-2014



TRANSMISSION SYSTEM

ITEM	DATA	
Gearbox FC6A250PRT	Type	Automatic
	Speeds	6 Forward, 1 Reverse
Front Axle	Steering Axle	Welded Axle Housing
Middle-Rear Axle	Main Reduction Ratio	5.286
	Wheel Edge Reduction Ratio	3.478
	Total Reduction Ratio	18.385
Wheel	Rim	10.0/2.0-25
	Tyre	16.00-25-36PR
	Tyre Pressure (MPa)	0.85
Suspension System	Front Suspension	Leaf spring + double-acting cylinder shock absorber
	Rear Suspension	Spring + Maintenance-free balance shaft+ tie rod



BRAKE SYSTEM

ITEM	DATA
Braking Pressure (MPa)	1 MPa
Main Brake	Two-circuit Air Brake
Auxiliary Brake	Engine WEVB Brake, hydraulic Retarder
Parking Brake	Spring Parking Brake



LIFTING SYSTEM

ITEM	DATA
Type	Without PTO Pneumatic Control
Lifting Cylinder-First Section Effective Diameter x Sections x Total Distance (mm)	4TG-F196*4700ZZ
Pneumatic Control Valve	01818766
Lifting Valve	QKV25-00
Limit Valve	01819545
Max.Working Pressure	22Mpa
Bucket Raising Time(full-lade)	≤30s
Bucket Lowering Time(no-lade)	≤25s
Total Time	≤55s

REFUELING CAPACITY

ITEM	DATA	ITEM	DATA
Fuel	530L	Engine Oil	27L
Hydraulic Oil	135L	Gearbox	50L
Axle	46L (Middle Axle) 37L (Rear Axle)	Brake Fluid	1.5L
Anti-freezing Fluid	32L		

STEERING SYSTEM

ITEM	DATA	ITEM	DATA
Type	full hydraulic steering	Steering Cylinder-Cylinder Diameter x Stem Diameter x Min. Installation Distance-Stroke(mm)	HSGL-80x45x390-700
Max.Turning Angle	38°	Min.Turning Diameter(m)	24
Safety Valve	√	System Working Pressure	17
Steering Pump	Vane Pump: Displacement 80ml/r,		

OVERALL DIMENSIONS

ITEM	DATA	ITEM	DATA
Approaching Angle (°)	30	Departure Angle (°)	46
Wheel Tread (mm)	Front Axle: 2743; Middle-Rear Axle: 2636	Wheelbase (mm)	3875 (Front-Middle) 1750 (Middle-Rear)
Ground Clearance(mm)	≥370	No.of Axles	3

