

6x4 & 8x4 DUMPER TRUCK



BASIC INFORMATION		
ITEM	6×4 Dumper Wide Dumper	8×4 Dumper Wide Dumper
Product model	WORKMATE 3837	WORKMATE 3937
Cab Type	A5	A5
Design Code	Y35E0	Y35F0
Drive Mode	6×4	8×4
Chassis dimensions (L×W×H)(mm)	8246×2555×3192	9005×2530×3150
Wheelbase(mm)	4250+1450	1800+3200+1350
Front Tread/Rear Tread(mm)	2057/1864	2040/1865
Front overhang/Rear overhang(mm)	1495/1000	1495/1160
Frame Section Size (H×W×Hf)(mm)	322×80× (10+4)	322×80×10
Min turning radius (m)	9.34	10.05
Fifth wheel ground clearance off load (mm)	—	—
Cargo inner dimension (mm)/Fifth wheel/ Effective mixing volume of tank (m³)	/	/
GVW/GCW(kg)	38500	39000
Chassis weight(kg)	9812	10647
Max speed (km/h)	100	110
Maximum Gradeability(%)	≥45	56

DIMENSIONS & WEIGHT		
ITEM	6×4 Dumper Wide Dumper	8×4 Dumper Wide Dumper
Chassis dimensions (L×W×H)(mm)	8246×2555×3192	9005×2530×3150
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STEERING & TIRES		
ITEM	6×4 Dumper Wide Dumper	8×4 Dumper Wide Dumper
Type	Power steering with BOSCH Steering gear	Power steering with BOSCH Steering gear
Fuel tank/Cylinder material	Aluminum alloy	Aluminum alloy
Fuel tank/Cylinder volume (L)	400	400
Model	12.00R24 20PR	12R22.5 16FR
Rim material	Steel	Steel
Type	parabolic leaf spring 10/12	parabolic leaf spring 4/4/12
Front axle stabilizer bar	—	●
Rear axle stabilizer bar	●	●

CABIN & COMFORT		
ITEM	6×4 Dumper Wide Dumper	8×4 Dumper Wide Dumper
Cabin suspension	2 air bags in rear	2 air bags in rear
Air deflector	—	—
Cab sunshade	Sunvisor	Sunvisor
Door lock	central lock	central lock
Cab flip	Manual	electric
Window glass	electric	electric
Driver seat	Air seat	Air seat
Co-driver seat	Common	Common
AC	●	●
Heater	●	●
Parking AC	—	—
Air heater	—	—
Liquid heater	—	—
Logo color	silver	silver
Fire extinguisher(kg)	4kg	● 4kg
Refrigerator	—	—
Rearview mirror	electric & heating	electric & heating
T-BOX	—	—
CCS-Cruise control system	●	●
TPMS	—	—
Brake friction plate wear indication	●	●
One start-stop	—	—
220V on-board power supply	—	—
ESS	—	—

BATTERY & ELECTRICAL		
ITEM	6×4 Dumper Wide Dumper	8×4 Dumper Wide Dumper
Batteries	12 volt-140Ah×2	12 volt-140Ah×2
Alternator	28 volt / 80 amp	28 volt / 80 amp
Starter	24 volt / 5.5 KW	24 volt / 5.5 KW

CHASSIS & EQUIPMENT		
ITEM		
Electronic anti-theft	—	—
Engine pre-heating	—	—
Intake resistance alarm	●	●
Air filter	Desert air filter	Desert air filter
Spark extinguisher	—	—
Exhaust direction	left	left
Stainless steel wheel cover	○	○
Fan	Electronically controlled silicone oil clutch fan	Electronically controlled silicone oil clutch fan
Thermal curtain of radiator	—	—
Insect-proof net	●	●
Radiator protection frame	●	●
Engine guard	●	●
Chassis tool box	●	—
Escalator	—	—
Chassis cover	—	—
Anti-splash fender	—	—
Upper mudguard on rear axle	—	—
Rear bumper	○	○
Front under bumper	●	●
Side bumper	—	○
Air dryer brand	WABCO	WABCO
Air reservoir material	Aluminum alloy	Aluminum alloy
Automatic drain valve	●	●

SAFETY & DRIVER ASSIST		
ITEM	6×4 Dumper Wide Dumper	8×4 Dumper Wide Dumper
ABS	●	●
ASR	—	—
Engine brake	●	●
Exhaust auxiliary brake	●	●
Driving recorder	—	—
LDWS	—	—
EBS	—	—
AEBS	—	—
ESC	—	—

ENGINE		
ITEM	6×4 Dumper Wide Dumper	8×4 Dumper Wide Dumper
Engine Brand	Weichai	Weichai
Engine model	WP12.375E50	WP12.375E50
Emission	Euro V	Euro V
Rated output power(hp/rpm)	375/1900	375/1900
Rated output power(kW/rpm)	276/1900	276/1900
Max torque(N·m/rpm)	1800/1000~1400	1800/1000~1400
Displacement (cc)	11596	11596

TRANSMISSION		
ITEM	6×4 Dumper Wide Dumper	8×4 Dumper Wide Dumper
Clutch Brand	Valeo	Valeo
Specification	Φ430	Φ430
Transmission	MT	MT
Transmission Model	12JSD200TA-B	12JSD200TA-B
Forward Gear Number	12	12
Gear position	R2/R1 7/1 9/3 11/5 8/2 10/4 12/6	R2/R1 7/1 9/3 11/5 8/2 10/4 12/6
Gear ratio	12.098/0.779	12.098/0.779
PTO	●	●
PTO Model	QH50	QH50
PTO joint type	Splines	Splines
Retarder	—	—
Oil cooler	—	—
Maximum capacity (kg)	6500	6500

REAR AXLE & SUSPENSION & BRAKES		
ITEM		
Rear Axle Brand/Model	STR Technology	STR Technology
Type	Hub reduction	Hub reduction
Gear ratio	5.73/5.92	4.8/4.38
Maximum capacity (kg)	16000	13000
Rear brake	Drum	Drum
Rear Axle free maintenance	—	—
Specification	Φ140×5	Φ140×5
Maintenance free drive shaft	—	—
Type of Spring	parabolic leaf spring 10/12	parabolic leaf spring 4/4/12

FUEL SYSTEM		
Fuel tank/Cylinder material	Aluminum alloy	Aluminum alloy
Fuel tank/Cylinder volume (L)	400	400

INFOTAINMENT & OTHERS		
ITEM	6×4 Dumper Wide Dumper	8×4 Dumper Wide Dumper
MP3	●	●
MP5	○	○
Daytime running lamps	●	●
Back light	—	—
LED head lamps	—	—
Front headlight protective cover	—	—
Rear headlight protective cover	●	●
Reverse alarm	●	●

Legend:

- : Standard (Included)
○ : Optional
— : Not Available