

Wheel Loader
MW35L

Operating Weight:11500 Kg
Bucket Capacity:1.3 m³

The QSB4.5 from Cummins takes you to a whole new level of power and versatility, with in-cylinder technology that maintains a compact, simple and cost-effective solution. This engine delivers performance that meets the challenge of a wide range of tough industrial applications. With ratings up to 128 hp (95 kW) and a torque rise of up to 50%,the QSB4.5 engine delivers the power you need while minimizing emissions.
At the same time, it provides better cold starting and runs 50% quieter for increased operator comfort. The advanced engine design ensures maintenance is kept to an absolute minimum Designed to provide the operator superior value and reliability, while meeting stringent worldwide emissions standards. Meets Tier 3/Stage IIIA emissions levels using in-cylinder combustion technology without the need for external components Compatible with high-sulfur fuels for worldwide use Uses proven major components for a long life to overhaul The simplicity of design delivers excellent reliability and ease of servicing Efficient fuel systems deliver low levels of fuel consumption For equipment manufacturers, the QSB4.5 is designed to fit your machine. Cummins' engineers will help define your specification for the best and most cost effective installation. The electronic calibration will then be tailored to the exact duty cycle and operation of the machine. This expertise drives the best solution for the OEM and the end user.
Hydraulics and Controls State of the art electro-hydraulic system provides low effort, fine control with fast cycle times. All-in-one joystick helps keep eyes on the work. Operator can adjust machine responsiveness with the push of a button, which allows the operator to set up the machine exactly the way they want it based on the application. High Flow option allows for the use of even the most demanding work tools.

The Torque Converter and Transmission System of MTZ Wheel Loader, MW35L has power shift and 4 forward and 4 reverse and Max. Travel Speed is over 38 km/hr. The Axle system gives the maximum power to maintain its movability for the customer's operation. MTZ Wheel Loader MW35L crates the maximum mobility to perform at its best.

Cab- All around visibility is further enhanced with the availability of a rearview camera. The deluxe cab ensures operator comfort with a heated, air suspension seat and easy to use controls. Available features such as Implement and I lystat Aggressiveness, Ride Control, Lift and Tilt Kickouts, Fork/Bucket Mode and Rimpull Control allow the operator to customize the machine via a soft touch keypad.

Drivetrain-MTZ Wheel Loaders' Smooth shifting and powerful acceleration is matched with modulated hydrostatic braking in the inching/braking pedal, creating a rhythm for material moving. Creeper and electronic engine speed control makes broom and snow blower work easy. Operator tunes between smooth or aggressive shifting with the push of a button.

Serviceability-Extended service intervals and excellent service access make daily checks quick and easy allowing you to get to work sooner. Efficiently Powerful with its high full turn tipping loads, powerful breakout torches and increased engine power delivers a balanced solution for all customer applications.
Standard Fuel Savings Feature such as Eco Mode, On Demand Cooling Fan, and Auto Engine Idle Shutdown make the 920 both powerful and fuel efficient.

Specifications

Engine

Engine Model	:CUMMINS QSB4.5
Maximum Gross Power	:95 kW 128 HP
Maximum Engine Speed	:1400 RPM
Rated Engine Speed	:1100 RPM
Displacement	:4.5 Ltr. (275 c3)
Bore	:102 mm (4.02 in3)
Stroke	:137 mm (5.39 in3)

Engine (continued)

Maximum Gross Torque
546 lb-ft (403 N-m) @1400 RPM
Engine type: In-line, 6-cylinder

Aspiration: Turbocharged/charge air cooled
Oil system capacity 24 U.S./Canada QT, 22.7 liters
High-pressure common-rail fuel system - Allows multiple injection events for cleaner, quieter operation with consistent performance at every rpm. Also improves cold-weather starting.

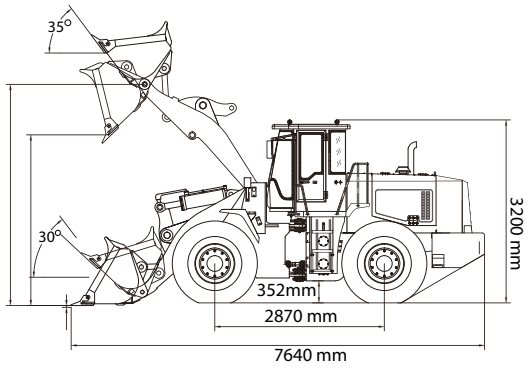
Engine meets Tier 3 / EURO III Emission Standards.
Net power advertised is the power available at the flywheel plus front drive implement pump when the engine is equipped with fan, air cleaner, muffler and alternator.

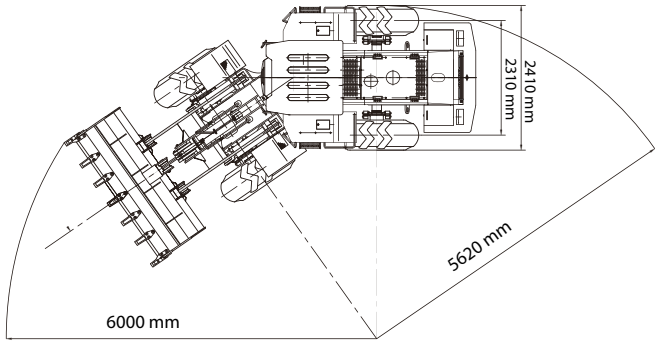
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MTZ Equipment Ltd.
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Wheel Loader MW35L

Dimensions and Operating Specifications





1. Overall Length (With Attachment)	7640 mm
2. Overall Width (of Tire)	2310 mm
3. Overall Width	2410 mm
4. Overall Height (Cab)	3200 mm
5. Min. Ground Clearance	352 mm
6. Steering Angle (at Anyside)	+/- 35 Degree
7. Departure Angle	+/- 30 Degree
8. Wheel Base	2870 mm
9. Min. Turning Radius (Bucket)	6000 mm
10. Min. Turning Radius (Tire)	5620 mm

11. Steering Type:	Steering Wheel
12. Steering Pressure:	16 MPa
13. Cylinder Bore/Piston Rod	80 mm/45 mm
14. Displacement of Pump	100 mL/r
15. Travel of Cylinder	362 mm
16. Hydraulic Work Pump	Gear Pump
17. System Pressure	16 MPa
18. Lifting/Unloading Duration	6.0/1.5 S
19. Tire Size (Front & Rear)	17.5-25/L3 (Diagonal)
20. Electrical System	24 Volts; 120/2 Amp

Hydraulic System
Work Pump Type: Gear Pump
System Pressure: 16 MPa
Control Type: Joystick Lever

Performance Parameters

Bucket Capacity	: 2.0 m3
Tipping Load	: 7800 kg
Break Out Force	: 95 kN
Pivot Height (At Max)	: 4055 mm
Max. Dumping Height	: 3125 mm
Unloading height (At Max)	: 1155 mm
Digging Depth	: 102 mm
Max. Lifting Height	: 3400 mm
Max. Dumping Clearance	: 2740 mm

Refill Capacity
Fuel Tank Capacity: 210 Ltr.
Hydraulic Tank Capacity: 210 Ltr.
Engine Oil Capacity: 14 Ltr.
Antifreeze Liquid: 47 Ltr.
Drive Oil: 53 Ltr
Drive Axle/Single: 40 Ltr..
Urea Solution/AdBlue: 12 Ltr.

Brake System
Service Brake: Air Assisted against Oil Caliper Disc Brake
Parking Brake: Cable-controlled type clamp Brake.

Transmission System
Torque Converter: CARRARO (ITALY)
Type: Electronically Controlled, 2 Motors Hydrostatic
Transmission Case: CARRARO (ITALY)
Type: Summation Gear Box
Gear Sift: Front fixed to the front frame, Rear center Pivot Type
Gear Box: Fixed Gear Ratio, Power Shift Counter; Shaft Type
Travel Speed: Forward: 36 km/hr. Reverse: 16 km/hr.

Working Hydraulic System
Type of Oil Pump: Gear Pump
System Pressure: 20 Mpa

Drive Axle
Make: CARRARO (ITALY)
Type: Heavy Duty
Swing Angle: +/- 10 Degree

Cabin
Cab is equipped with a 4-point elastic suspension, absorbing shock in a dual way. Rearhood has beautiful modeling, with its side door and rear window able to open, featuring easy maintenance.

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