WHEEL LOADER

M100HD



OPERATING WEIGHT

Standard configuration, full tank and 80kg operator	**17.300 kg**

MOTOR 1

Manufacturer	CUMMINS/6CTAA-C215
Emission Standard	EPA (TIER II), EU Stage II
Engine Type	Diesel, 4 strokes, turbo, air cooling, direct injection
Rated Power	160KW(215HP)/2200RPM
Maximum Torque	904N·M/1400 RPM
Bore x Stroke (mm)	114×135
Number of Cylinders / Displ.	6/8.3 ℓ
Compression Ratio	18
Air Cleaner	Dry, Double elements
Alternator	70 AMP
Battery	2-24V/120Ah
Starter Motor	24V/7.8kW
Heating Capacity (W)	5000W
Cooling Capacity (W)	4700W

MOTOR 2

Manufacturer	WEICHAI
Model	WP10G210E343
Net power	206 hp (154 kW) @ 2.000 rpm
Maximum net torque	844 Nm @ 1.400 rpm
Aspiration	Turbocharged
Cylinders	6
Displacement	9,7 ℓ
Injection system	Eletronic
Electronic fuel economy selection	
Emissions certification	MAR 1 / Tier III
Air filter with primary and secondary elements and restriction indicator.	

HIDRAULIC SYSTEM

Hydraulic system powered by a gear pump.
2-spool hydraulic control valve operated by a single joystick.
Hydrostatic steering with priority valve.

System relief pressure	160 bar
Steering relief pressure	140 bar

AXLES AND BRAKES

Rugged front and rear axles designed for heavy-duty work. 4-wheel drive.

Tires (front and rear)	23,5 x 25 - VJT L3
	20,5 x 25 - 16 PR (optional)

Service brake: dry disc type with air-over-hydraulic actuation and separate circuits for each axle (front and rear). Parking brake: dry disc type located at the transmission output, air-actuated via a mechanical control in the operator's compartment. Dry disc and oil-immersed brakes (optional). Conventional differential.

TRANSMISSION

Powershift transmission with 2 forward and 1 reverse speeds.
Single-stage torque converter.

Maximum speeds	I	II
Front	11,5 km/h	36,0 km/h
Rear	16,0 km/h	-

COOLING SYSTEM

Radiator assembly located at the rear of the machine. Cooled by a high-capacity, belt-driven blower fan. Engine hood features gull-wing doors, allowing easy access for cleaning and maintenance of all components.

ELETRIC SYSTEM

Voltage	24 V
Batteries	2
Battery capacity	680 CCA
Alternator	70 A
Front headlights on the front equipment	2
Front headlights on top of the cab	2
Rear headlights on top of the cab	2
Rear brake and turn signal lights	2

PERFORMANCE

Standard bucket	3,0 m³ (3,92 j³)
Operating load	5.000 kg
Articulated tipping load	10.000 kg
Breakout force	15.800 kgf
Articulation angle	35°

SERVICE CAPABILITIES

Fuel tank	285 ℓ
Engine oil	20,0 ℓ
Transmission	46,0 ℓ
Axles – Front/Rear	28,0 ℓ / 28,0 ℓ
Hydraulic system	270 ℓ

GLOBAL STRENGHTH AND TRADITION

MICHIGAN reserves the right to implement design improvements and changes in specifications at any time, without incurring any obligation to install them on units previously sold. The specifications, descriptions, and illustrative materials contained herein accurately reflect the data known at the time of publication, but may vary by region and are subject to change without prior notice. Illustrations may include optional equipment and accessories and may not include all standard equipment.

MANUFACTURED UNDER THE AUTHORITY OF MICHIGAN GROUP INC.
FLORIDA - USA, FL 33073

MICHIGAN®

michigangroup.us michiganargentina_

WHEEL LOADER

M100HD



OPERATOR BEHAVIOR

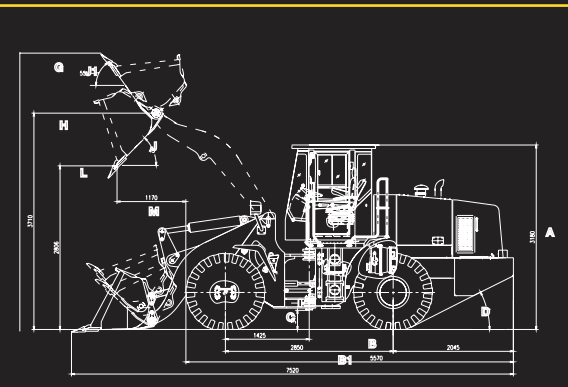
- Analog gauges for: transmission oil temperature; engine coolant temperature; hour meter; transmission oil pressure; engine oil pressure; service brake air system pressure.
- Indicator lights for: air filter, transmission filter, and hydraulic filter restriction; engine coolant and transmission temperatures; economy mode; parking brake; low service brake air system pressure; battery charging; pre-heat; selected gear; turn signals.
- Control switches for: engine pre-heat; fan; windshield wiper; work lights.
- Master disconnect switch
- AM/FM radio
- Sun visor
- Ignition switch
- Cab interior light
- Operator's seat with headrest and adjustable armrests
- Air conditioning
- R.O.P.S./F.O.P.S. cab

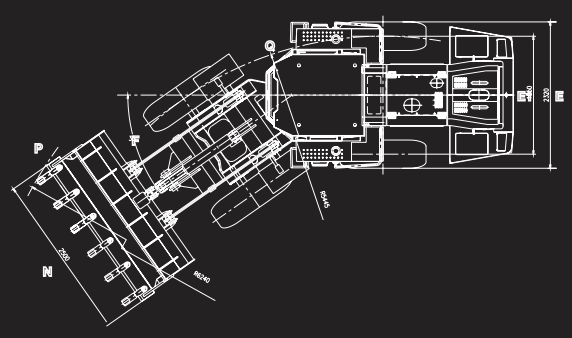
DIMENSIONS

Dump body type	Buck with teeth
Bucket capacity	3,0 m³
A. Height to the top of the cab	3.500 mm
B. Wheelbase	3.260 mm
C. Clear span	410 mm
D. Departure angle	30°
E. Overall width without bucket	2.830 mm
E1. Gauge	2.260 mm
F. Chassis articulation angle	35°
G. Operating height	5.280 mm
H. Height to the pivot pin	4.190 mm
I. Total length	8.400mm
J. Discharge angle - fully raised	45°
J1. Retraction angle	58,3°
L. Dumping height - bucket at 45°	3.140 mm
M. Discharge range - bucket at 45°	1.325 mm
N. Bed width - external	3.010 mm
P. Turning Radius - Outside of the bucket	7.346 mm
Q. Turning Radius - Outside of the tires	6.500 mm



FRONT ATTACHMENTS:
Z-bar linkage
3.0 m³ bucket with teeth
OTHER:
Engine hood with gull-wing doors
Standard counterweight
HVAC system
Engine pre-heater
OPTIONAL: GPS system with telemetry





GLOBAL STRENGHTH AND TRADITION

MICHIGAN reserves the right to implement design improvements and changes in specifications at any time, without incurring any obligation to install them on units previously sold. The specifications, descriptions, and illustrative materials contained herein accurately reflect the data known at the time of publication, but may vary by region and are subject to change without prior notice. Illustrations may include optional equipment and accessories and may not include all standard equipment.

MANUFACTURED UNDER THE AUTHORITY OF MICHIGAN GROUP INC.
FLORIDA - USA, FL 33073

MICHIGAN®

michigangroup.us michiganargentina_