

Pioneer of Rubber Crawler Carriers



MOROOKA

MST160CR

360° Rotating Carrier



16,000kg
Payload



- Fastest travel speed in the 16-ton class
- Overall width equivalent to the 11-ton class
- Equipped with auto deceleration function
- Equipped with anti-stall function
- Standard dump body made of **HARDOX wear-resistant steel**
- Electric control Joystick

Caterpillar C7.1 Engine Tier 4 Final / EU Stage V

Significantly reduces emissions of PM (particulate matter) and NOx (nitrogen oxides), contributing to environmental protection.

Environmental performance

Equipped with the latest clean engine "Caterpillar C7.1 Stage V"

Equipped with the latest engine that meets the world's strictest Stage V emission standards.

"Auto decel function"

When travel control lever or swing control lever are placed in neutral for a certain period of time, the engine speed is automatically lowered.

This reduces fuel consumption, lowers CO2 emissions, and decreases noise when the vehicle is stationary.



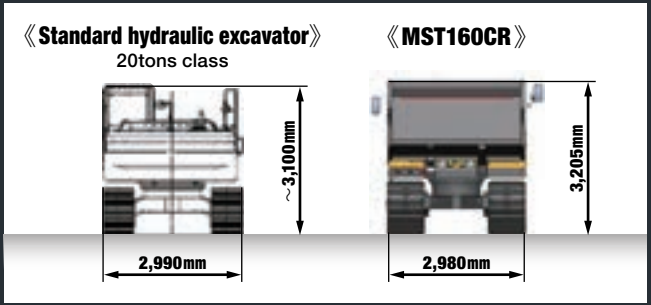
Improved Functionality & Productivity

Equipped with "anti-stall function"

When the load on the engine becomes large, the hydraulic equipment automatically senses the load and adjusts the flow rate to prevent engine stall.

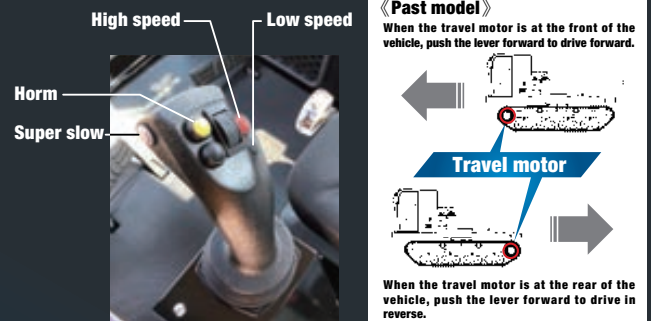
16-ton carrier with 11-ton dimensions

Overall width is the same as the 11-ton class (MST110CR), enabling transport without escort cars and reducing transport burden.

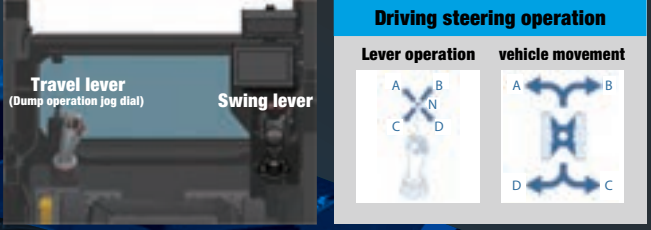


New electronically controlled joystick lever introduced

The vehicle orientation is automatically detected, so the travel direction always matches the lever direction, making operation easier.

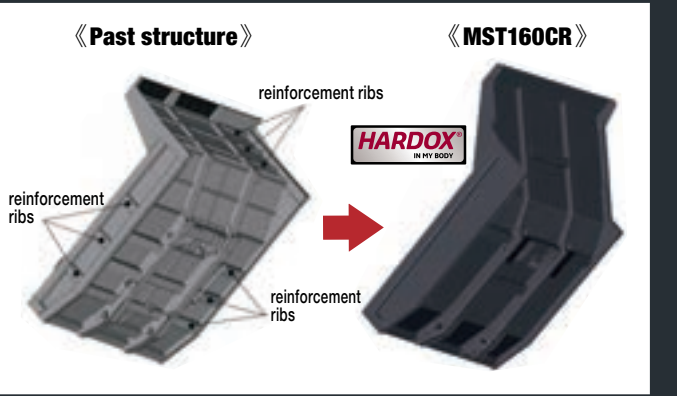


Realizes comfortable driving operation

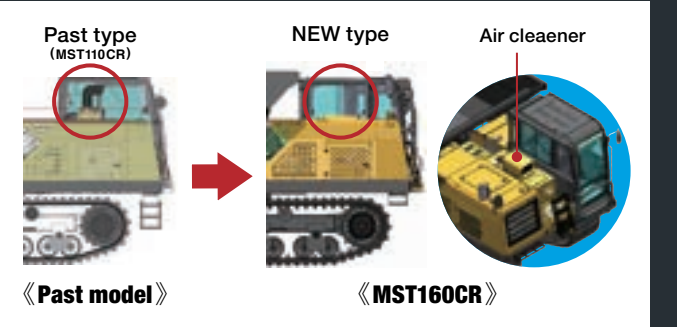


Dump bed with longer service life (HARDOX steel plate applied)

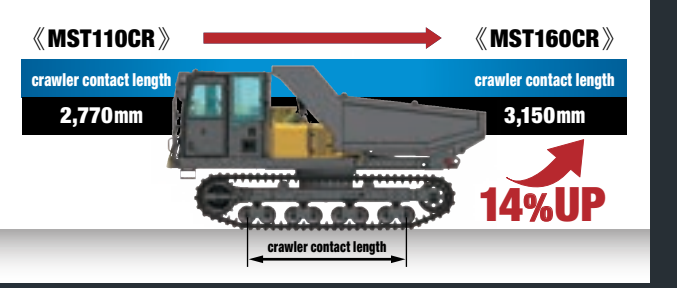
By applying wear-resistant steel plate HARDOX at the front of the inside of the dump bed, durability has been greatly improved, reducing running costs.



Significant improvement in right-side visibility of the machine



Extended crawler contact length for improved stability and durability of the undercarriage!



Improved safety & Maintainability

Equipped with an overload prevention weighing function

When the vehicle is stopped, press the "load measurement mode button" on the joystick. The system estimates the payload based on hydraulic pressure applied to the dump cylinder. If within the rated capacity, "OK" is displayed. If overloaded, "OVER" with the estimated weight is shown.

*The measurement results of this function are not compliant with the Measurement Law. This alerts the operator to overloading, and the measured value is only an estimate, so please use a truck scale for accurate measurements.



Standard ROPS/FOPS cabin (with ROPS guard)

Provides a safe working environment, protecting the operator in the event of a rollover.



3D 360 MONITOR

Omnidirectional cameras supports the operator's blind spots, enabling safer operation.

*Product image for illustration purposes only. Actual product may vary



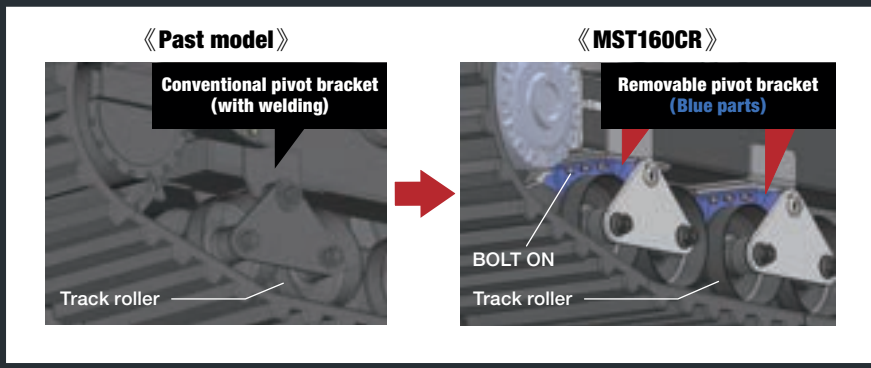
Standard LED light (bar type)

Provides high visibility and long life, improving safety during nighttime work.



Equipped with removable pivot bracket for the undercarriage

When the pivot bracket wears, the bracket can be easily replaced, reducing maintenance workload.



Specifications	
MODEL	MST160CR
	METRIC
PERFORMANCE	
Maximum Payload	16,000 kg
Travel Speed (High/Low)	13.1 / 7.9 km/h
Ground Pressure (Empty/Loaded)	36.3 / 68.0 kPa
MACHINE DIMENSION & WEIGHT	
Operating Weight	18,300 kg
Overall Length	6,210 mm
Overall Width	2,980 mm
Overall Height	3,205 mm
Minimum Ground Clearance	570 mm
Crawler Width	800 mm
DUMP BODY	
Dump Shape	Scoop End
Length x Width x Height (Inner)	3,310 x 2,770 x 965 mm
Dump Capacity (Struck/Heaped)	5.75 / 7.95 m ³
ENGINE	
Name	Caterpillar C7.1 Stage V
Nominal Output	225.0 kW / 2,200 rpm
FUEL USED	
	Diesel
TANK CAPACITY	
Fuel Tank Capacity	360 ℓ
Hydraulic Oil Tank Capacity	183 ℓ
DEF Tank Capacity	32 ℓ
Emission Standard	Tier 4 Final / EU Stage V

● Specifications are subject to modify without notice

Dimensions

The figure consists of three technical drawings of a crawler loader, illustrating its dimensions from different perspectives:

- Top View:** Shows the machine from above. Dimensions include:
 - W:** Track width.
 - V:** Overall track gauge.
 - U:** Distance between the centers of the front and rear sprockets.
 - T:** Track offset.
- Side View:** Shows the machine from the side. Dimensions include:
 - P:** Overall height.
 - S:** Dump body height.
 - Q:** Dump body width.
 - R:** Dump body depth.
 - O:** Dump body height at the rear.
 - Z:** Overall height at the rear.
- Front View:** Shows the machine from the front. Dimensions include:
 - K:** Overall height.
 - J:** Height to the top of the operator's cab.
 - I:** Height to the top of the engine compartment.
 - C:** Distance from the front of the machine to the front sprocket.
 - E:** Distance from the front sprocket to the rear sprocket.
 - D:** Distance from the rear sprocket to the rear of the machine.
 - B:** Track gauge.
 - A:** Overall track gauge.
 - M:** Dump body height.
 - F:** Overall height at the rear.
 - L:** Dump body height at the rear.
 - G:** Overall height at the rear.
 - H:** Dump body angle.

A	6,210 mm	20'4"	M	60°	
B	4,175 mm	13'8"	N		
C	1,015 mm	3'4"	(Inside dimension)	2,770 mm	9'1"
D	3,090 mm	10'2"	O	2,190 mm	7'2"
E	555 mm	22"	P	3,700 mm	12'2"
F	5,575 mm	18'3"	Q	1,300 mm	4'3"
G	1,670 mm	5'6"	R	3,445 mm	11'4"
H	45°		S		
I	17°		(Inside dimension)	3,310 mm	10'10"
J	3,090 mm	10'2"	T	800 mm	31"
K	3,205 mm	10'6"	U	2,980 mm	9'9"
L			V	2,180 mm	7'2"
(Inside dimension)	965 mm	38"	W	570 mm	22"

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