



MST160CR

360° Rotating Carrier



16,000kg
Payload



Specifications		
MODEL	MST160CR	
	IMPERIAL	METRIC
PERFORMANCE		
Maximum Payload	35,274 lbs	16,000 kg
Travel Speed (High/Low)	8.1 / 4.9 mph	13.1 / 7.9 km/h
Ground Pressure (Empty/Loaded)	5.3 / 9.9 psi	36.3 / 68.0 kPa
MACHINE DIMENSION & WEIGHT		
Operating Weight	40,345 lbs	18,300 kg
Overall Length	20'4"	6,210 mm
Overall Width	9'9"	2,980 mm
Overall Height	10'6"	3,205 mm
Minimum Ground Clearance	22"	570 mm
Crawler Width	31"	800 mm
DUMP BODY		
Dump Shape	Scoop End	
Length×Width×Height (Inner)	10'10" × 9'1" × 3'2"	3,310 × 2,770 × 965 mm
Dump Capacity (Struck/Heaped)	7.5 / 10.4 yd ³	5.75 / 7.95 m ³
ENGINE		
Name	Caterpillar C7.1 Stage V	
Nominal Output	306 HP / 1,900 rpm	225.0 kW / 2,200 rpm
FUEL USED		
	Diesel	
TANK CAPACITY		
Fuel Tank Capacity	95.1 gal (US)	360 ℓ
Hydraulic Oil Tank Capacity	48.3 gal (US)	183 ℓ
DEF Tank Capacity	8.5 gal (US)	32 ℓ
Name and Model of The non-road special motor vehicle	MOROOKA MST160-CR5A	
Name and Type of Specified prime mover	Caterpillar C7.1 Stage V	
Emission Standard	Tier 4 Final / EU Stage V	

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

● Specifications are subject to modify without notice

- Fastest travel speed in the 16-ton class
- Overall length and 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.



CONTACT

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.



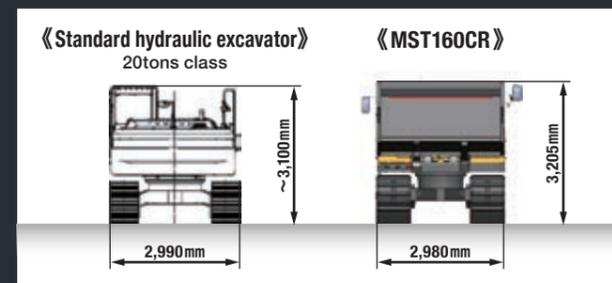
Improved Functionality & Productivity

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

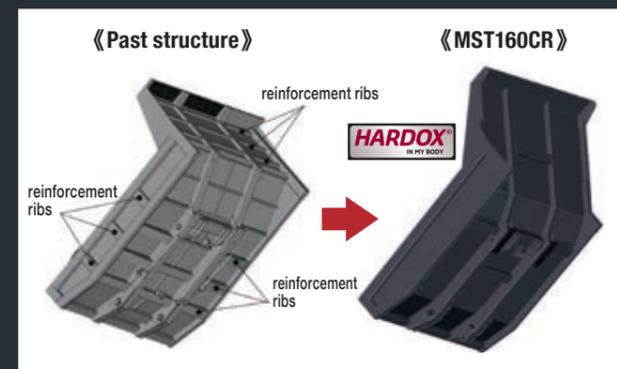
Overall length and width are the same as the 11-ton class (MST110CR), enabling transport without escort cars and reducing transport burden.



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

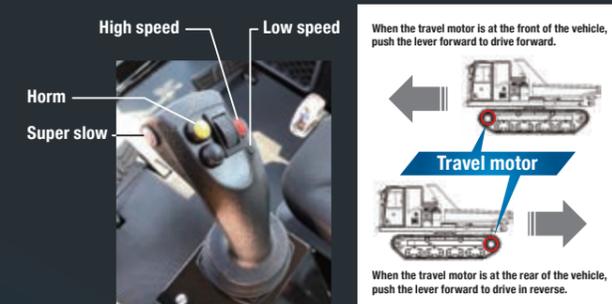
*According to our research

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.

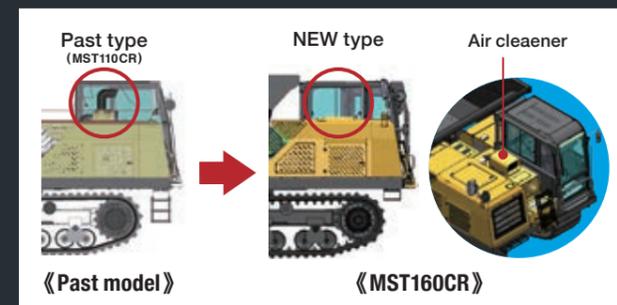


New electronically controlled joystick lever introduced

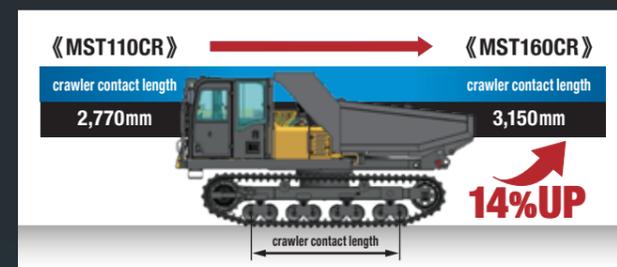
The vehicle orientation is automatically detected, so the travel direction always matches the lever direction, making operation easier.



Significant improvement in right-side visibility of the machine



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



Realizes comfortable driving operation



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.

Load measurement mode



Monitor display (image)

Load measurement mode
Overload judgment

OK

Load measurement mode
Overload judgment

OVER

17,000kg

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 support 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, only the bracket needs replacement, reducing maintenance workload.

