



**MOROOKA**

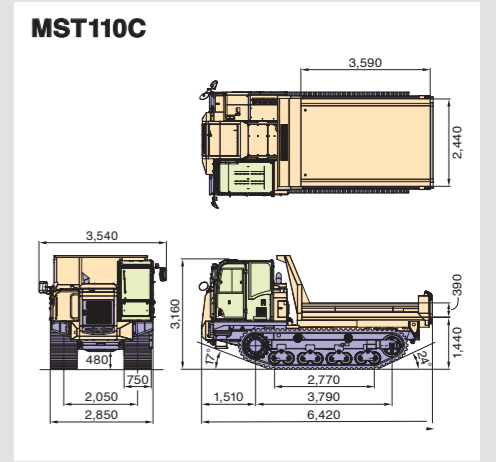
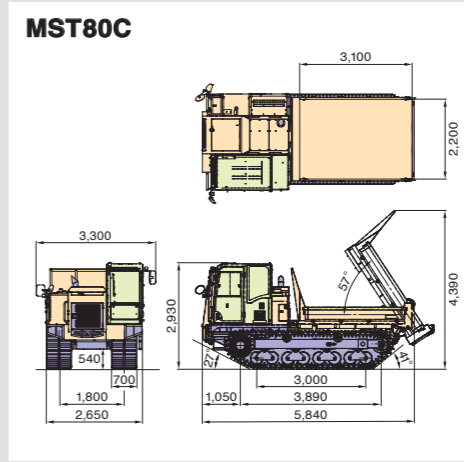
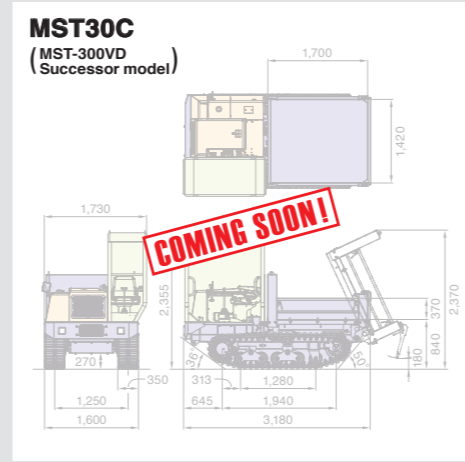
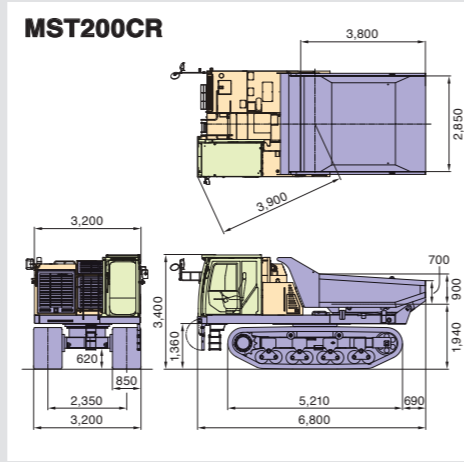
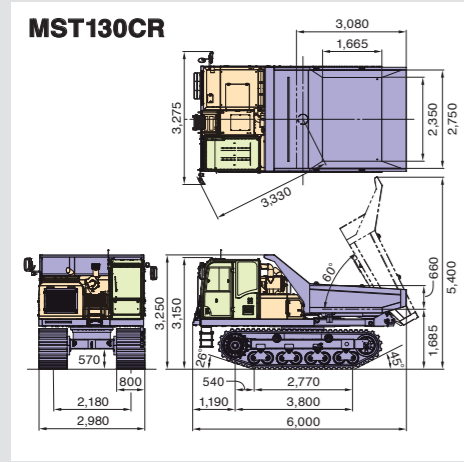
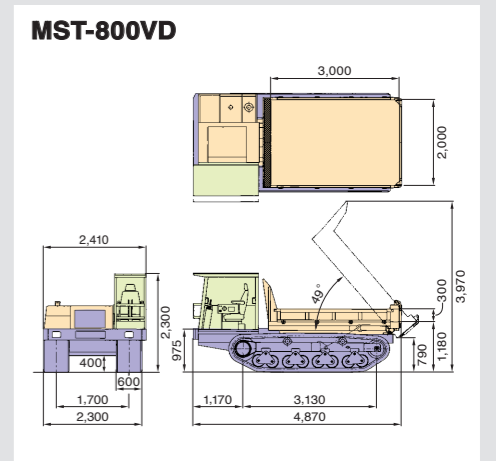
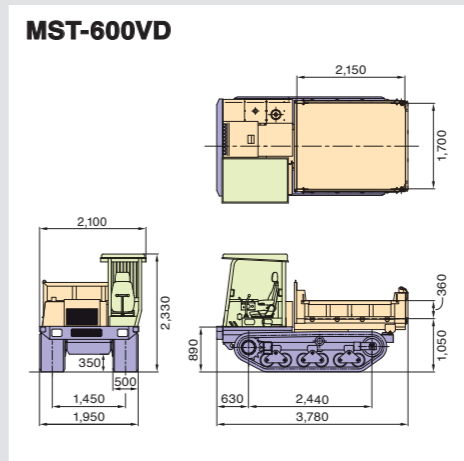
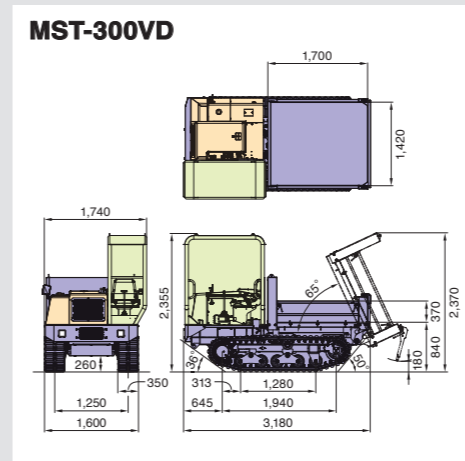
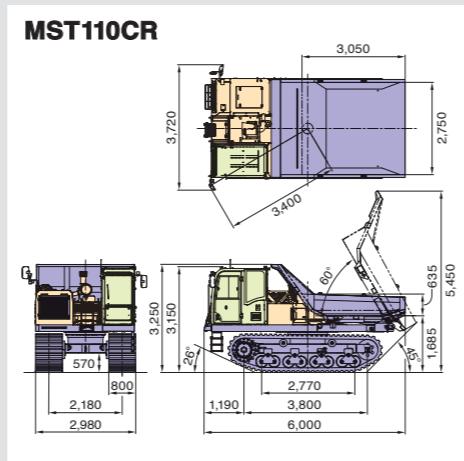
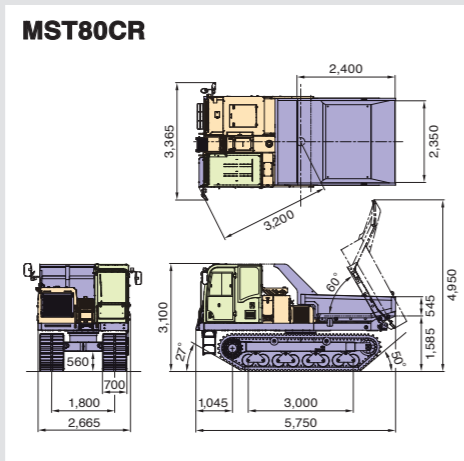
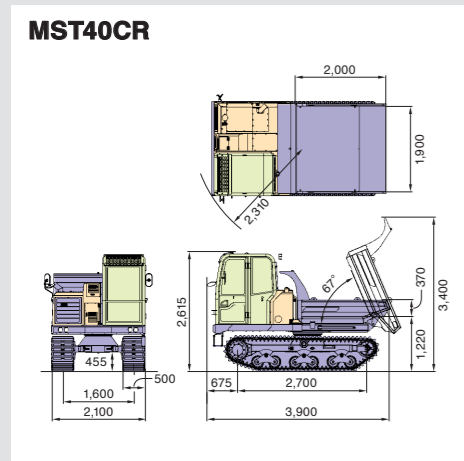
# CRAWLER CARRIER



## CARRIER for SOFT, SANDY and ROUGH TERRAIN

Durable Rubber Tracks : The rubber tracks offered on our Morooka carriers are the result of over 50 years of joint development form Bridgestone and Morooka. The rubber tracks combine the characteristics of a tire equipped vehicle, such as speed and a smooth ride, while providing the traction of a steel track. Rubber tacks offer the best of all worlds with low ground pressure, high performance movement and excellent traction.





Specifications					
360° Rotating Carrier Series					
MODEL		MST40CR	MST80CR	MST110CR	
PERFORMANCE	Maximum Payload	kg(lbs)	4,000 (8,818)	8,000 (17,637)	11,000 (24,251)
	Loading Capacity (Struck / Heaped)	m <sup>3</sup> (yd <sup>3</sup> )	1.48 (1.9) / 1.8 (2.4)	2.43 (3.2) / 4 (5.2)	4.36 (5.7) / 6.17 (8.1)
	Travel Speed (High / Low)	kph(mph)	10.8 (6.7) / 7.6 (4.7)	10.6 (6.6) / 7.4 (4.6)	11.8 (7.3) / 7.6 (4.7)
	Ground Pressure (Empty / Loaded)	kPa(PSI)	25.9 (3.8) / 46.8 (6.8)	27.9 (4) / 46.6 (6.8)	35.4 (5.1) / 59.7 (8.7)
MACHINE DIMENSION & WEIGHT	Operating Weight	kg(lbs)	5,100 (11,244)	11,950 (26,345)	16,000 (35,274)
	Overall Length	mm(ft.in.)	3,900 (12' 10")	5,750 (18' 10")	6,000 (19' 8")
	Overall Width (Transport)	mm(ft.in.)	2,100 (6' 11")	2,665 (8' 9")	2,980 (9' 9")
	Overall Height	mm(ft.in.)	2,615 (8' 7")	3,100 (10' 2")	3,250 (10' 8")
	Min. Ground Clearance	mm(in.)	455 (18")	560 (22")	570 (22")
	Crawler Width	mm(in.)	500 (20")	700 (28")	800 (31")
DUMP BED (INNER)	Overall Length	mm(ft.in.)	2,000 (6' 7")	2,400 (7' 10")	3,050 (10' 0")
	Overall Width	mm(ft.in.)	1,900 (6' 3")	2,350 (7' 9")	2,750 (9' 0")
	Overall Height	mm(ft.in.)	370 (1' 3")	545 (1' 9")	635 (2' 1")
ENGINE	Name		KUBOTA V3307	KUBOTA V5009	CAT C7.1
	Nominal Output	kW(HP)/rpm	52.5 (71.4) / 2,600	151.9 (206.5) / 2,200	186 (253) / 2,200
TANK CAPACITY	Fuel Tank Capacity	ℓ(gal)	105 (27.7)	210 (55.5)	330 (87.2)
	Hydraulic Oil Tank Capacity	ℓ(gal)	85 (22.5)	106 (28)	154 (40.7)
	DEF Tank Capacity	ℓ(gal)	-	40 (10.6)	32 (8.5)
EMISSION STANDARD		Tier4 Final / EU Stage V	Tier4 Final / EU Stage V	Tier4 Final / EU Stage V	

Specifications					
360° Rotating Carrier Series					
MODEL		MST130CR	MST160CR	MST200CR	
PERFORMANCE	Maximum Payload	kg(lbs)	13,000 (28,660)	-	20,000 (44,092)
	Loading Capacity (Struck / Heaped)	m <sup>3</sup> (yd <sup>3</sup> )	4.5 (5.9) / 6.6 (8.6)	-	7.8 (10.2) / 10.25 (13.4)
	Travel Speed (High / Low)	kph(mph)	12.2 (7.6) / 7.9 (4.9)	-	12.3 (7.6) / 7.4 (4.6)
	Ground Pressure (Empty / Loaded)	kPa(PSI)	35.8 (5.2) / 64.6 (9.4)	-	45 (6.5) / 81.4 (11.8)
MACHINE DIMENSION & WEIGHT	Operating Weight	kg(lbs)	16,200 (35,715)	-	24,740 (54,542)
	Overall Length	mm(ft.in.)	6,000 (19' 8")	-	6,800 (22' 4")
	Overall Width (Transport)	mm(ft.in.)	2,980 (9' 9")	-	3,200 (10' 6")
	Overall Height	mm(ft.in.)	3,250 (10' 8")	-	3,400 (11' 2")
	Min. Ground Clearance	mm(in.)	570 (22")	-	620 (24")
	Crawler Width	mm(in.)	800 (31")	-	850 (33")
DUMP BED (INNER)	Overall Length	mm(ft.in.)	3,080 (10')	-	3,800 (12' 6")
	Overall Width	mm(ft.in.)	2,750 (9')	-	2,850 (9' 4")
	Overall Height	mm(ft.in.)	660 (2' 2")	-	700 (2' 4")
ENGINE	Name		ISUZU 6HK1XDEV	-	CAT C9.3
	Nominal Output	kW(HP)/rpm	210 (285.5) / 2,200	-	310 (421) / 2,200
TANK CAPACITY	Fuel Tank Capacity	ℓ(gal)	384 (101.5)	-	400 (105.7)
	Hydraulic Oil Tank Capacity	ℓ(gal)	158 (41.7)	-	195 (51.5)
	DEF Tank Capacity	ℓ(gal)	40 (10.6)	-	31.8 (8.4)
EMISSION STANDARD		EU Stage V	-	Tier4 Final / EU Stage V	

Specifications are subject to change without notice.

Specifications					
Crawler Carrier Rigid Series					
MODEL		MST-300VD	MST-600VD	MST-800VD	
PERFORMANCE	Maximum Payload	kg(lbs)	3,000 (6,614)	3,800 (8,378)	4,800 (10,582)
	Loading Capacity (Struck / Heaped)	m <sup>3</sup> (yd <sup>3</sup> )	0.9 (1.2) / 1.3 (1.7)	-	-
	Travel Speed (High / Low)	kph(mph)	7.96 (4.9) / 5.28 (3.3)	10 (6.2) / 7 (4.3)	11 (6.8) / 8.3 (5.2)
	Ground Pressure (Empty / Loaded)	kPa(PSI)	19.1 (2.8) / 40.7 (5.9)	24.8 (3.6) / 46.4 (6.7)	22.5 (3.3) / 39.1 (5.7)
MACHINE DIMENSION & WEIGHT	Operating Weight	kg(lbs)	2,645 (5,831)	4,400 (9,700)	6,570 (14,484)
	Overall Length	mm(ft.in.)	3,180 (10' 5")	3,780 (12' 5")	4,870 (15' 12")
	Overall Width (Transport)	mm(ft.in.)	1,765 (5' 9")	1,950 (6' 5")	2,410 (7' 11")
	Overall Height	mm(ft.in.)	2,355 (7' 9")	2,330 (7' 8")	2,300 (7' 7")
	Min. Ground Clearance	mm(in.)	260 (10")	350 (14")	400 (16")
	Crawler Width	mm(in.)	350 (14")	500 (20")	600 (24")
DUMP BED (INNER)	Overall Length	mm(ft.in.)	1,700 (5' 7")	2,150 (7' 1")	3,000 (9' 10")
	Overall Width	mm(ft.in.)	1,420 (4' 8")	1,700 (5' 7")	2,000 (6' 7")
	Overall Height	mm(ft.in.)	370 (1' 3")	360 (1' 2")	300 (0' 12")
ENGINE	Name		KUBOTA V2203	KUBOTA V3307	MITSUBISHI 4D34
	Nominal Output	kW(HP)/rpm	35.4 (48.1) / 2,800	55 (74.8) / 2,200	81 (110.1) / 2,200
TANK CAPACITY	Fuel Tank Capacity	ℓ(gal)	46 (12.2)	75 (19.8)	130 (34.3)
	Hydraulic Oil Tank Capacity	ℓ(gal)	45 (11.9)	58 (15.3)	74 (19.6)
	DEF Tank Capacity	ℓ(gal)	-	-	-
EMISSION STANDARD		Tier4 Interim / EU Stage IIIA	Tier4 Interim / EU Stage IIIA	Tier2 / EU Stage II	

Specifications					
Crawler Carrier Rigid Series					
MODEL		MST30C	MST80C	MST110C	
PERFORMANCE	Maximum Payload	kg(lbs)	-	8,000 (17,637)	11,000 (24,251)
	Loading Capacity (Struck / Heaped)	m <sup>3</sup> (yd <sup>3</sup> )	-	2.5 (3.3) / 4.2 (5.5)	3.42 (4.5) / 5.79 (7.6)
	Travel Speed (High / Low)	kph(mph)	-	9.7 (6) / 6.7 (4.2)	10.5 (6.5) / 7.5 (4.7)
	Ground Pressure (Empty / Loaded)	kPa(PSI)	-	25.7 (3.7) / 44.4 (6.4)	33.5 (4.9) / 59.5 (8.6)
MACHINE DIMENSION & WEIGHT	Operating Weight	kg(lbs)	-	11,000 (24,251)	14,200 (31,306)
	Overall Length	mm(ft.in.)	-	5,840 (19' 2")	6,420 (21' 1")
	Overall Width (Transport)	mm(ft.in.)	-	2,650 (8' 8")	2,850 (9' 4")
	Overall Height	mm(ft.in.)	-	2,930 (9' 7")	3,160 (10' 4")
	Min. Ground Clearance	mm(in.)	-	540 (21")	480 (19")
	Crawler Width	mm(in.)	-	700 (28")	750 (30")
DUMP BED (INNER)	Overall Length	mm(ft.in.)	-	3,100 (10' 2")	3,590 (11' 9")
	Overall Width	mm(ft.in.)	-	2,200 (7' 3")	2,440 (8' 0")
	Overall Height	mm(ft.in.)	-	370 (1' 3")	390 (1' 3")
ENGINE	Name		-	Cummins QSB6.7-4E	Cummins QSB6.7-4E
	Nominal Output	kW(HP)/rpm	-	168 (228) / 2,200	186 (253) / 2,200
TANK CAPACITY	Fuel Tank Capacity	ℓ(gal)	-	251 (66.3)	266 (70.3)
	Hydraulic Oil Tank Capacity	ℓ(gal)	-	125 (33)	125 (33)
	DEF Tank Capacity	ℓ(gal)	-	33.54 (8.9)	33.54 (8.9)
EMISSION STANDARD		-	Tier4 Final / EU Stage V	Tier4 Final / EU Stage V	

Specifications are subject to change without notice.

# Living tradition World No.1 tracked dumper

## Crawler Carrier Straight frame series

### Consideration for the Environment

#### Auto Deceleration

When idling continues for a certain period of time, engine speed automatically idles down to improve fuel efficiency while reducing noise and CO<sub>2</sub> emissions.  
(MST80C/MST110C/MST40CR/MST80CR/MST110CR/MST130CR/MST160CR/MST200CR)



#### MOROOKA Tracked dumpers working in the world.

The pioneer in the field of rough terrain transport, MOROOKA's MST series have gained the #1 market share not only in Japan but also overseas and active all over the world. As a result of our achievement, MST series has earned a high reputation in the used equipment market as well.



### Pursuing Safety and Comfort

#### List of canopy and cabin specification

Supported models		
Name	Canopy	Cabin
MST-300VD	ROPS	-
MST-600VD	ROPS	-
MST-800VD	Non ROPS	-
MST30C	ROPS	-
MST80C	-	ROPS/FOPS
MST110C	-	ROPS/FOPS
MST40CR	ROPS/FOPS	ROPS/FOPS
MST80CR	-	ROPS/FOPS
MST110CR	-	ROPS/FOPS
MST130CR	-	ROPS/FOPS
MST160CR	-	ROPS/FOPS
MST200CR	-	ROPS/FOPS

#### highly customizable for many purposes

Morooka Carriers are customized for a variety of industries. Our carriers can be outfitted with Dump Beds, Digger Derricks, Field Service Equipment, Trimmers, Buckets, Cranes, Welding Equipment, Flat Beds, Drilling Equipment and more. Find out more about how a customized Morooka Carrier can solve your unique project needs.

Although Morooka Carriers are highly customizable for many purposes, Morooka is not responsible nor liable for the injuries or damages incurred with the additional features. Please consult with our distributors first to get the approval.

#### Rigid Series

**MST-300VD** Max. Payload **3,000kg**  
Tier4 Interim / EU Stage IIIA

**MST-600VD** Max. Payload **3,800kg**  
Tier4 Interim / EU Stage IIIA

**MST-800VD** Max. Payload **4,800kg**  
Tier2 / EU Stage II

**MST30C** Max. Payload **3,000kg**  
(MST-300VD Successor model)  
Tier4 / EU Stage V

**MST80C** Max. Payload **8,000kg**  
Tier4 / EU Stage V

**MST110C** Max. Payload **11,000kg**  
Tier4 / EU Stage V

# 360° Rotating Crawler Carrier

## 360° Rotating Carrier Series



360° ROTATING  
CARRIER  
SERIES

### Consideration for the Environment



#### Surround View Monitor

The use of a surround-view monitor system can enhance safety on-site and for the operators.

\*This system is designed to assist operators but is not intended to prevent accidents or collisions.

(MST80CR/MST110CR/MST130CR/MST160CR/MST200CR)



### Pursuing Safety and Comfort

#### For Safe Work

Backup and side cameras have been equipped to alleviate rear and right hand side blind spots.

(MST80CR/MST110CR/MST130CR/MST160CR/MST200CR)

#### 360° Full Rotating Upper Structure

The 360° full rotation design dramatically reduces the need of pivot turn and spin turn. It also greatly improves work efficiency and enables operator to unload soil easily in any location.

#### Improvement of durability in dump bed

Introduction of wear-resistant steel Hardox® greatly improves durability of dump bed and contributes reduction of running cost. (MST80C/MST110C/MST80CR/MST110CR/MST130CR/MST160CR/MST200CR)



### "KURU-KURU" Carrier Series



**MST40CR** Max. Payload **4,000kg**  
Tier4 / EU Stage V



**MST80CR** Max. Payload **8,000kg**  
Tier4 / EU Stage V



**MST110CR** Max. Payload **11,000kg**  
Tier4 / EU Stage V



**MST130CR** Max. Payload **13,000kg**  
EU Stage V



**MST160CR** Max. Payload **16,000kg**  
(MST-3000VDR Successor model)  
Tier4 / EU Stage V



**MST200CR** Max. Payload **20,000kg**  
Tier4 / EU Stage V

# Strong Undercarriage for Excellent Off Road Capability

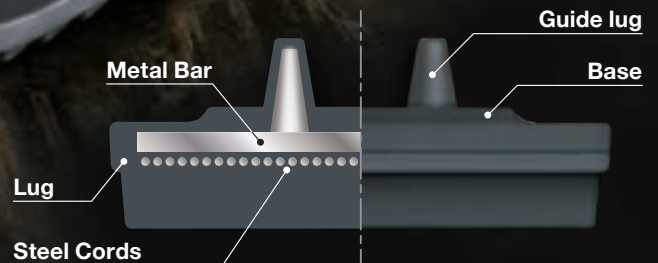
## **MOROOKA**'s Large Rubber Tracks

Since 1978, when Morooka succeeded in developing the world's first large-sized rubber tracks, Morooka has continued to provide the best undercarriages with continuous improvement.



### Rubber Crawlers

Morooka is the pioneer of rubber tracks! We continue to evolve, pushing the envelope with innovative design, using over 40 years of knowledge and experience as our launching pad. We provide seamless, heavy duty, rubber tracks for long lasting durability!

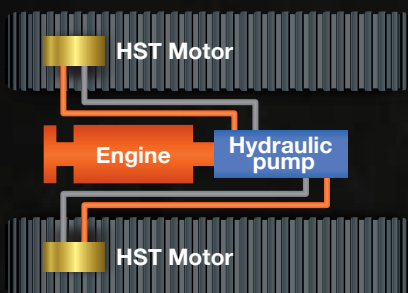


### Track Rollers

Our large diameter track rollers efficiently disperse the load on rubber tracks and undercarriages.

### HST System

The HST system is a very economical system using engine power to drive the hydraulic pump and motor, enabling operators to experience smooth and stable driving. The system completely eliminates the need for clutch and gear control too.



**MOROOKA**  
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#### CONTACT