



180° Rotation
MST-300VDR 2.5t



MST-600VD 3.8t



MST-1500VD 7t



360° Rotation
MST-1500VDR 7t



MST-3000VD 15t

**RUBBER CRAWLER
CARRIER**

Versatile application to meet worldwide customer needs

Morooka products are used in a wide range of applications and are particularly suited to environmentally sensitive areas. They will accommodate a variety of attachments such as water tanks, digger derricks, drill rigs, cement mixers, welders, lubrication rigs, fire fighting equipment, specialty dump bodies, scissor lifts, seismic testing equipment, exploration tools, air compressors and personnel carriers.



EARTH MOVING



CANAL CONSTRUCTION



PALM OIL PLANTATION



ANTARCTIC EXPLORATION



RESTORATION



FORESTRY



AGRICULTURE



DRILLING



MAN LIFT



THE MINISTRY OF DEFENCE



ELECTRIC POWERLINE



FUEL TRANSPORTATION

Please consult with us before you apply any modification.
Please note that Morooka have no responsibility for performance and safety of products modified not by Morooka.

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CONTACT

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RUBBER CRAWLER CARRIER

CARRIER for SOFT, SANDY and ROUGH TERRAIN



360° Rotation
MST-200VDR 2t



MST-300VD 2.5t



MST-700VD 4.3t



NEW
MST-800VD 4.8t/5t



MST-2200VD 11t



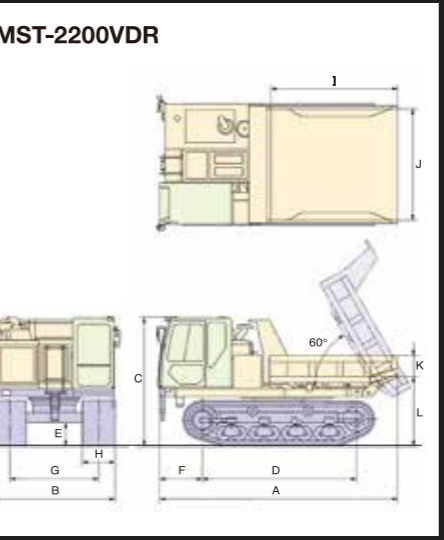
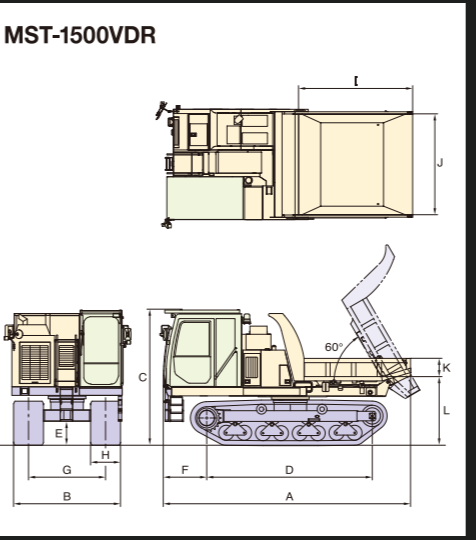
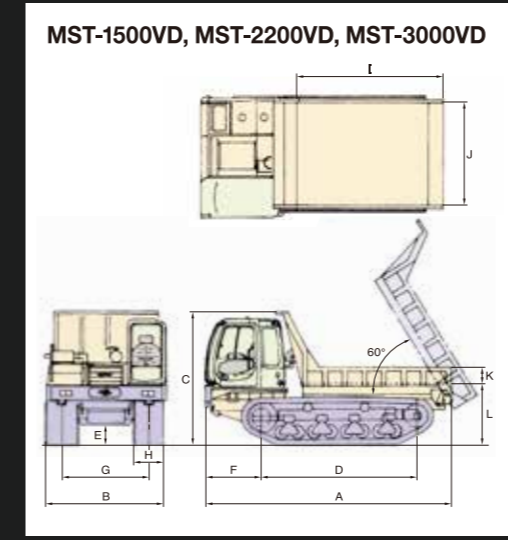
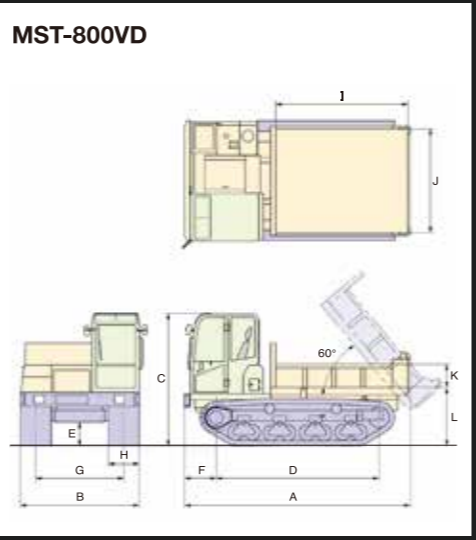
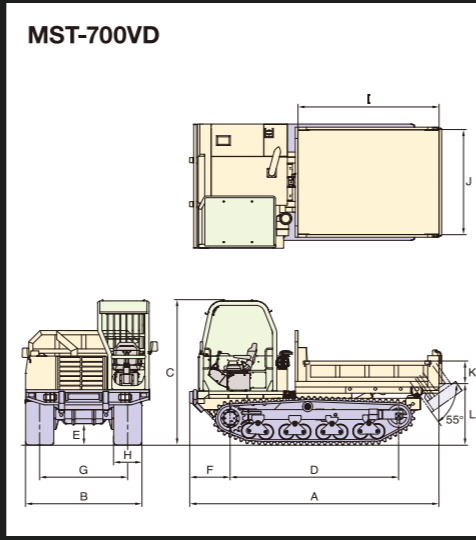
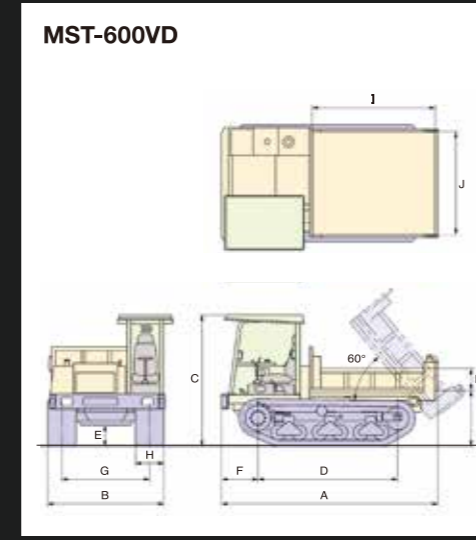
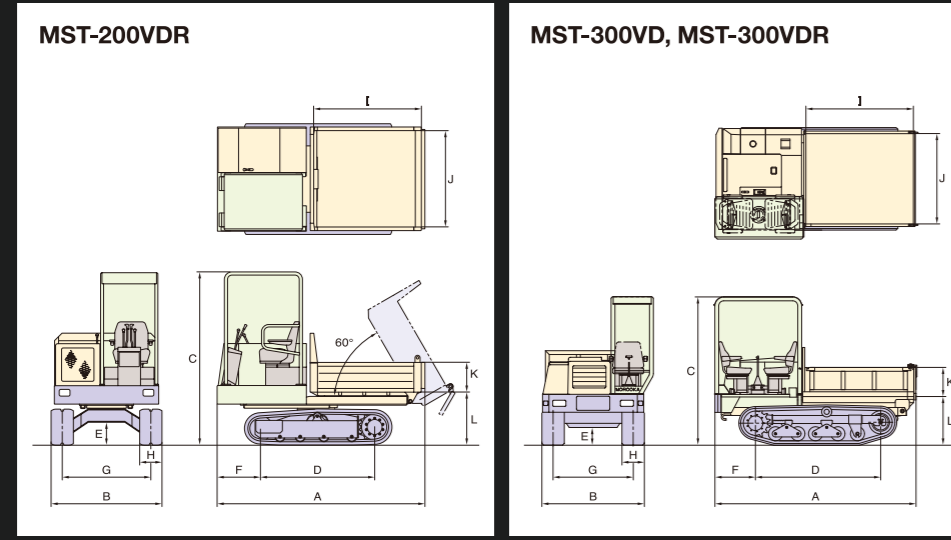
360° Rotation
MST-2200VDR 11t

**WIDE RANGE
OF PRODUCTS**



MOROOKA

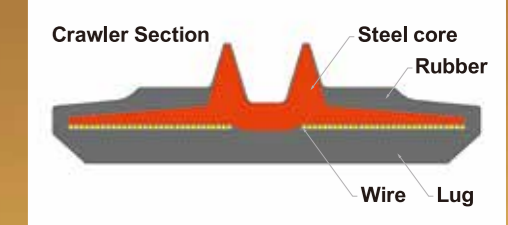
Made
in
Japan



WORLDWIDE PRODUCTS DEVELOPED by MOROOKA

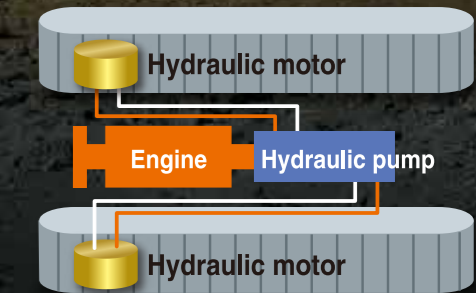
Durable Rubber Tracks

The rubber tracks offered on our Morooka carriers are the result of over 50 years of joint development from 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 tracks offer the best of all worlds with low ground pressure, high performance movement and excellent traction.



Easy control with HST drive system

The hydrostatic transmission allows for economical use of the engine's full power. All steering maneuvers can be executed with a pair of simple control levers. The H.S.T. system completely eliminates the need for clutch and gear controls making the Morooka carrier highly maneuverable.



One driving lever for MST-300VD and MST-600VD



Two driving levers for MST-800VD, 1500VD, 2200VD and 3000VD

| MODEL | | MST-200VDR | MST-300VD | MST-300VDR | MST-600VD | MST-700VD |
|--------------------------|----------------|-----------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| PERFORMANCE | | | | | | |
| Maximum Payload | kg (lbs) | 2,000 (4,400) | 2,500 (5,511) | 2,500 (5,511) | 3,800 (8,378) | 4,300 (9,480) |
| Loading Capacity | m ³ | 0.63 | 0.87 | 0.89 | 1.28 | 1.67 |
| Speed1 Low | km/h(mph) | 3.0 (1.7) | 6.0 (3.7) | 6.0 (3.7) | 7.0 (4.3) | 7.0 (4.3) |
| Speed2 High | km/h(mph) | 5.5 (3.4) | 9.0 (5.6) | 9.0 (5.6) | 10.0 (6.2) | 10.0 (6.2) |
| Ground Pressure(empty) | kPa | 21.0 | 29.4 | 29.7 | 24.8 | 24.9 |
| MACHINE DIMENSION | | | | | | |
| Machine Weight | kg (lbs) | 2,000 (4,400) | 2,685 (5,919) | 2,710 (5,975) | 4,400 (9,700) | 5,800 (12,786) |
| Overall Length | A mm (f) | 2,850 (9.3) | 3,150 (10.3) | 3,490 (11.4) | 3,780 (12.4) | 4,520 (14.8) |
| Overall Width | B mm (f) | 1,500 (4.9) | 1,745 (5.7) | 1,745 (5.7) | 2,100 (6.8) | 2,200 (7.2) |
| Overall Height | C mm (f) | 2,340 (7.6) | 2,330 (7.6) | 2,330 (7.6) | 2,330 (7.6) | 2,580 (8.4) |
| Wheelbase | D mm (f) | 1,545 (5.0) | 1,955 (6.4) | 1,955 (6.4) | 2,440 (8.0) | 2,960 (9.7) |
| Min. Ground Clearance | E mm (f) | 345 (1.1) | 275 (0.9) | 275 (0.9) | 350 (1.1) | 350 (1.1) |
| Front Overhang | F mm (f) | 630 (2.0) | 630 (2.0) | 630 (2.0) | 640 (2.0) | 770 (2.5) |
| Crawler Distance | G mm (f) | 1,200 (3.9) | 1,250 (4.1) | 1,250 (4.1) | 1,450 (4.7) | 1,560 (5.1) |
| Crawler Width | H mm | 300 | 350 | 350 | 500 | 500 |
| Crawler Size | mm | 300×72×60 | 350×100×53 | 350×100×53 | 500×100×65 | 500×100×76 |
| DUMP BODY | | | | | | |
| Overall Length | I mm (f) | 1,560 (5.1) | 1,675 (5.4) | 1,965 (6.4) | 2,150 (7.0) | 2,500 (8.2) |
| Overall Width | J mm (f) | 1,400 (4.5) | 1,410 (4.6) | 1,465 (4.8) | 1,700 (5.5) | 1,850 (6.0) |
| Overall Height | K mm (f) | 400 (1.3) | 370 (1.2) | 310 (1.0) | 360 (1.1) | 360 (1.1) |
| Ground Clearance | L mm (f) | 685 (2.2) | 825 (2.7) | 950 (3.1) | 1,050 (3.4) | 1,120 (3.6) |
| ENGINE | | | | | | |
| Model | | KUBOTA V1505 Tier 4 final Stage 4 | KUBOTA V2203 Tier 4 interim Stage 3A | KUBOTA V2203 Tier 4 interim Stage 3A | KUBOTA V3307 Tier 4 interim Stage 3A | KUBOTA V3800 Tier 4 interim Stage 3B |
| Nominal Output/rpm | HP(kw)/rpm | 25(18.5)/2,800 | 47(35.4)/2,800 | 47(35.4)/2,800 | 73(54.6)/2,200 | 93(69.2)/2,200 |
| Torque | N·m/min-1 | 92.6/1,700 | 141/1,600 | 141/1,600 | 261/1,500 | 330/1,500 |
| OTHERS | | | | | | |
| | | CANOPY(ROPS) | CANOPY(ROPS) | CANOPY(ROPS) | CANOPY(ROPS) | CANOPY (ROPS/FOPS) |
| | | — | — | — | — | — |

| | MST-800VD | MST-1500VD | | | | |
|------------------------|--------------------------------|--------------------------|----------------------------------|--------------------------------------|--------------------------|-------------------------------------|
| Maximum Payload | 4,800 (10,584) | 4,800 (10,584) | 5,000 (11,023) | 7,000 (15,435) | 7,000 (15,435) | 7,000 (15,435) |
| Loading Capacity | 1.77 | 1.77 | 1.82 | 2.39 | 2.39 | 2.39 |
| Speed1 Low | 6.5 (4.0) | 6.3 (3.9) | 6.7 (4.1) | 7.6 (4.7) | 5.9 (3.6) | 6.0 (3.7) |
| Speed2 High | 11.0 (6.8) | 9.0 (5.5) | 9.6 (5.9) | 11.0 (6.8) | 8.5 (5.2) | 11.0 (6.8) |
| Ground Pressure(empty) | 21.9 | 16.8 | 24.6 | 21.5 | 17.0 | 25.4 |
| Machine Weight | 6,400 (14,110) | 6,500 (14,330) | 7,200 (12,200) | 9,200 (20,280) | 9,200 (20,280) | 10,900 (24,030) |
| Overall Length | 4,430 (14.5) | 4,500 (14.7) | 4,500 (14.7) | 5,360 (17.5) | 5,520 (18.1) | 5,750 (18.8) |
| Overall Width | 2,425 (7.9) | 2,425 (7.9) | 2,455 (8.0) | 2,635 (7.7) | 2,650 (8.6) | 2,650 (8.6) |
| Overall Height | 2,590 (8.4) | 2,590 (8.4) | 2,710 (8.8) | 2,780 (9.1) | 2,900 (9.5) | 2,910 (9.5) |
| Wheelbase | 3,130 (10.2) | 3,130 (10.2) | 3,130 (10.2) | 3,870 (12.6) | 3,870 (12.6) | 3,870 (12.6) |
| Min. Ground Clearance | 470 (1.5) | 470 (1.5) | 425 (1.3) | 460 (1.5) | 460 (1.5) | 540 (1.7) |
| Front Overhang | 690 (2.2) | 690 (2.2) | 800 (2.6) | 700 (2.2) | 700 (2.2) | 965 (3.1) |
| Crawler Distance | 1,700 (5.5) | 1,700 (5.5) | 1,700 (5.5) | 1,800 (5.9) | 1,800 (5.9) | 1,800 (5.9) |
| Crawler Width | 600 | 600 | 600 | 700 | 700 | 700 |
| Crawler Size | 600×100×80 | 600×100×80 | 600×100×80 | 700×100×98 | 700×100×98 | 700×100×98 |
| Overall Length | 2,600 (8.5) | 2,600 (8.5) | 2,600 (8.5) | 3,100 (10.1) | 3,100 (10.1) | 3,100 (10.0) |
| Overall Width | 1,950 (6.3) | 1,950 (6.3) | 2,000 (6.5) | 2,200 (7.2) | 2,200 (7.2) | 2,200 (7.2) |
| Overall Height | 350 (1.1) | 350 (1.1) | 350 (1.1) | 350 (1.1) | 350 (1.1) | 350 (1.1) |
| Ground Clearance | 1,160 (3.8) | 1,160 (3.8) | 1,200 (3.9) | 1,350 (4.4) | 1,350 (4.4) | 1,350 (4.4) |
| Model | Mitsubishi 4D34 Tier 2 Stage 2 | CAT C4.4 Tier 3 Stage 3A | CAT C4.4 Tier 4 interim Stage 3B | Mitsubishi 6D16 Tier 4 final Stage 2 | CAT C6.6 Tier 3 Stage 3A | Cummins QSB6.7 Tier 4 final Stage 4 |
| Nominal Output/rpm | 109(81.0)/2,200 | 129(92.8)/2,200 | 124(92.6)/2,200 | 221(165)/2,700 | 225(168)/2,200 | 225(168)/2,200 |
| Torque | 394/1,600 | 550/1,400 | 530/1,400 | 700/1,300 | 986/1,400 | 949/1,500 |
| CABIN CANOPY(OPTION) | CABIN(ROPS) CANOPY(OPTION) | CABIN(ROPS) | CABIN CANOPY(OPTION) | CABIN CANOPY(OPTION) | CABIN CANOPY(OPTION) | CABIN(ROPS) |
| HEATER | HEATER | AIR CONDITIONER | AIR CONDITIONER | AIR CONDITIONER | AIR CONDITIONER | AIR CONDITIONER |

| MST-1500VDR | MST-2200VD | MST-2200VDR | MST-3000VD | | |
|-------------------------------------|------------------------|---------------------------------------|----------------------------------|-------------------------------|------------------------|
| 7,000 (15,435) | 11,000 (24,255) | 11,000 (24,255) | 11,000 (24,255) | 11,000 (24,255) | 15,000 (33,060) |
| 2.60 | 3.53 | 3.53 | 3.97 | 3.97 | 4.9 |
| 6.1 (3.7) | 8.0 (5.0) | 7.0 (4.3) | 8.0 (5.0) | 8.0 (5.0) | 7.7 (4.7) |
| 8.6 (6.0) | 11.0 (6.8) | 10.0 (6.2) | 10.0 (6.2) | 10.0 (6.2) | 12.8 (7.9) |
| 27.6 | 31.6 | 33.2 | 35.4 | 35.4 | 28.9 |
| 11,800 (26,015) | 13,400 (29,542) | 14,100 (31,085) | 16,000 (35,274) | 16,000 (35,274) | 14,500 (31,967) |
| 5,790 (18.9) | 6,200 (20.3) | 6,260 (20.5) | 5,900 (19.3) | 5,900 (19.3) | 6,200 (20.3) |
| 2,600 (8.5) | 2,905 (9.5) | 2,850 (9.3) | 2,980 (9.7) | 2,980 (9.7) | 3,000 (9.8) |
| 3,178 (10.4) | 3,140 (10.3) | 3,800 (12.4) | 3,200 (10.4) | 3,220 (10.5) | 3,100 (10.1) |
| 3,870 (12.6) | 3,840 (12.5) | 3,750 (12.3) | 3,840 (12.5) | 3,840 (12.5) | 3,840 (12.5) |
| 560 (1.8) | 430 (1.4) | 480 (1.5) | 580 (1.9) | 580 (1.9) | 480 (1.5) |
| 1,015 (3.3) | 1,270 (4.1) | 1,330 (4.3) | 1,100 (3.6) | 1,100 (3.6) | 1,320 (4.3) |
| 1,800 (5.9) | 2,050 (6.7) | 2,050 (6.7) | 2,180 (7.1) | 2,180 (7.1) | 2,200 (7.2) |
| 700 | 750 | 750 | 800 | 800 | 800 |
| 700×100×98 | 750×150×66 | 750×150×66 | 800×150×66 | 800×150×66 | 800×150×66 |
| 2,750 (9.0) | 3,600 (11.8) | 3,600 (11.8) | 3,200 (10.4) | 3,280 (10.4) | 3,700 (12.1) |
| 2,350 (7.7) | 2,450 (8.0) | 2,450 (8.0) | 2,750 (9.0) | 2,750 (9.0) | 2,500 (8.2) |
| 470 (1.5) | 400 (1.3) | 400 (1.3) | 500 (1.6) | 550 (1.8) | 530 (1.7) |
| 1,570 (5.1) | 1,450 (4.7) | 1,430 (4.6) | 1,670 (5.4) | 1,670 (5.4) | 1,490 (4.8) |
| Cummins QSB6.7 Tier 4 final Stage 4 | CAT C7 Tier 3 Stage 3A | Cummins QSB6.7 Tier 4 interim Stage 4 | CAT C7.1 Tier 4 interim Stage 3B | CAT C7.1 Tier 4 final Stage 4 | CAT C9 Tier 3 Stage 3A |
| 225(168)/2,200 | 249(186)/2,200 | 249(186)/2,200 | 249(186)/2,200 | 249(186)/2,200 | 325(242)/2,200 |
| 949/1,500 | 1,142/1,400 | 990/1,500 | 1,142/1,400 | 1,214/1,400 | 1,480/1,400 |
| CABIN (ROPS/FOPS) | CABIN | CABIN(ROPS) | CABIN(ROPS) | CABIN (ROPS/FOPS) | CABIN |
| AIR CONDITIONER | AIR CONDITIONER | AIR CONDITIONER | AIR CONDITIONER | AIR CONDITIONER | AIR CONDITIONER |