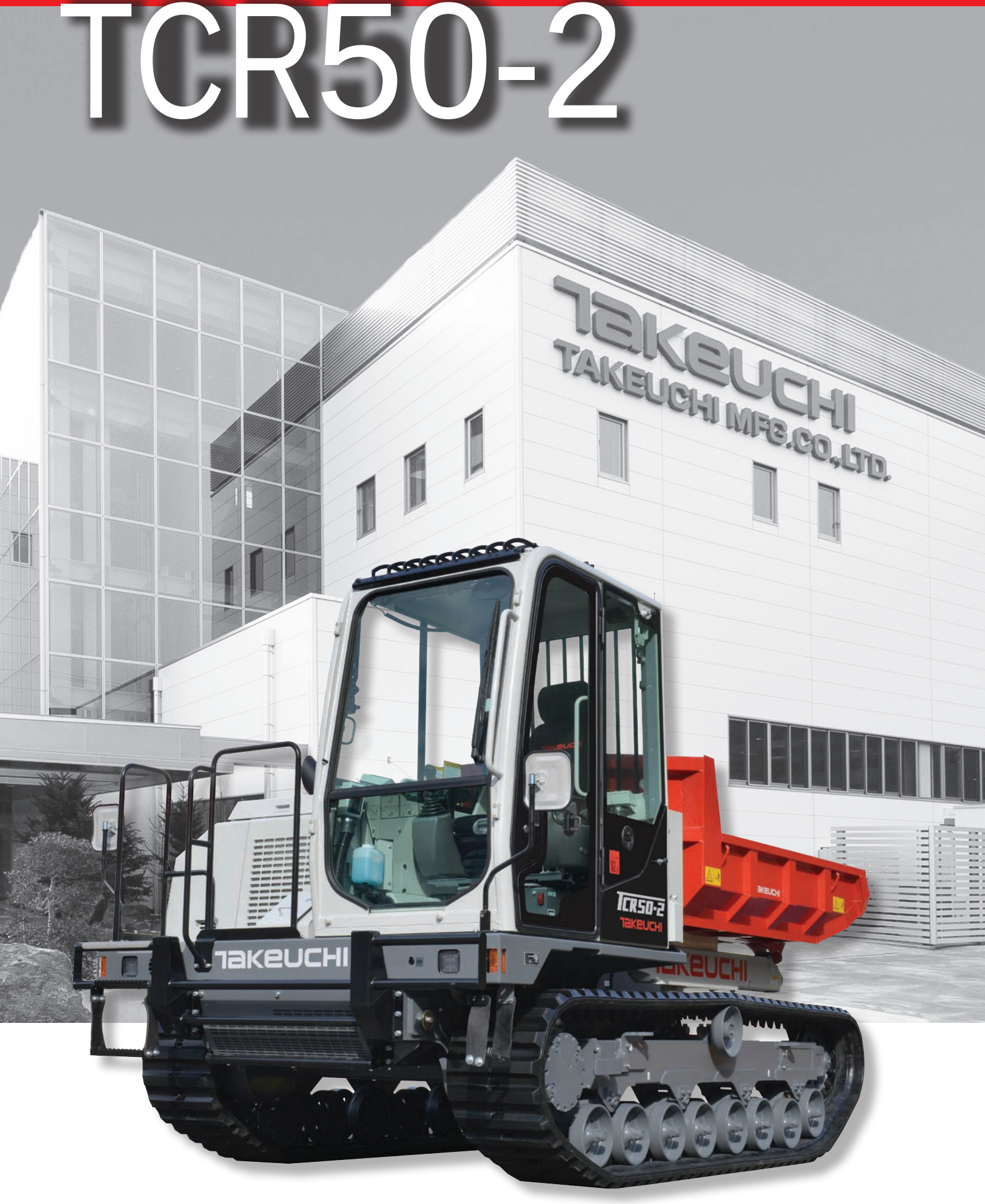
CRAWLER DUMPER

TAKEUCHI

*From World First to World Leader*

# TCR50-2




**Operating Weight: 6,550 kg**

# Product Features & Specifications

## ENGINE

- EU Stage V / EPA Tier 4 Compliant
- Turbocharged
- DOC+DPF+SCR Exhaust After Treatment
- Automatic Fuel Bleed System
- Double Element Air Cleaner
- Automatic Deceleration
- High Capacity Fuel Tank
- Engine Safety Start System on Left Console
- Engine Auto Stop
- Fuel Transfer Pump
- Parking Brake

## ELECTRICAL

- 5.7” Color Multi-Informational Display
- Sealed Rocker Switches
- 12 volt System with 80 amp Alternator
- LED Light Package 1; Forward Facing and Front Cab (optional)
- LED Light Package 2; Forward Facing, Front and Rear Cab (optional)
- Travel Alarm
- Beacon Lamp Switch
- TFM (Takeuchi Fleet Management; GPS)*
- TSS (Takeuchi Security System; Immobilizer) (optional)*
- Rear View Monitor

## UNDERCARRIAGE AND FRAME

- Double Flanged Track Rollers
- 2-Speed Travel with Automatic Shift
- High Torque Planetary Final Drive
- 450 mm Rubber Crawlers

## OPERATOR’S STATION

- ROPS/FOPS (TOP Guard, Level II)
- Deluxe High Back Adjustable Suspension Seat with Head Rest
- 12V Power Outlet
- 2” Retractable Seat Belt
- Cab with Front / Rear Windshield Wiper and Washer, Skylight with Sunshade, Radio with Bluetooth
- Air Conditioner (optional)

## HYDRAULIC & WORKING EQUIPMENT

- Hydraulic Joystick Controls
- Hydraulic Tank w/ Fluid Sight Gauge
- Air Breather, Hydraulic Tank
- 180 Degree Turning Dump

## TAKEUCHI FLEET MANAGEMENT

- Minimize Downtime
- Remote Diagnostics
- Utilization Tracking
- Proactive Maintenance
- Control Cost



180 Degree Turning Dump



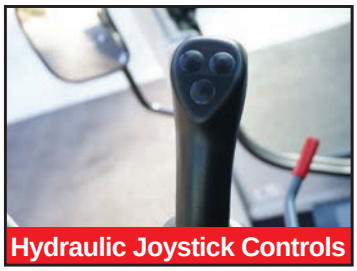
Convenient Service and Maintenance Access

*Functions may not be available in all countries, so please consult your Takeuchi dealer for details.

# TOUGH, POWERFUL, RELIABLE



5.7” Color Display



Hydraulic Joystick Controls




Rear View Camera



Large Floor w/ Foot Pedal

The new TCR50-2 crawler dumper offers greater functionality, performance, comfort and serviceability. With an ample 65 degree dumping angle and 3,700 kg maximum loading weight, operator always get a lots of soil discharged with just a single dumping stroke. 180 degree turning dump for efficient sideways dumping reduces the need for unskilled operator to continually reposition the machine and it prevents early wear of rubber tracks.

A completely redesigned operator’s station features an intuitive 5.7” color multi-informational display with standard camera view function, hydraulic joystick controls, adjustable suspension seat, powerful air conditioner, radio with USB support and large cup holder for superior operator comfort and less fatigue. Hydraulic joystick controls deliver smooth operation for travel function and dump body function while foot throttle allows more economic and intuitive operation for engine speed.

Wide opening maintenance cover provides exceptional access to engine and routine inspection points. Standard fuel transfer pump enables operator to refill the tank with fuel more easily and quickly.




Automotive Styled Interior with Easy to Reach Controls and Switches.

| OPERATING PERFORMANCE | |
|---|---|
| Operating Weight | 6,550 kg |
| Dump Body Capacity - Heaped | 2.055 $m^3$ |
| - Struck | 1.15 $m^3$ |
| Maximum Loading Weight | 3,700 kg |
| Travel Speed | |
| 1st | 7.0 km/h |
| 2nd | 9.5 km/h |
| Gradeability | 30° |
| Ground Pressure - with Dump Body Full | 42.0 kPa |
| - with Dump Body Empty | 27.0 kPa |
| Travel Traction Force | 36.1 kN |

| HYDRAULIC SYSTEM | |
|---|---|
| P1.P2 | Variable Displacement Pump |
| Flow Rate | 122.5 L/min |
| Relief Pressure | 34.5 MPa |

| ENGINE | |
|---|---|
| Make / Model | Yanmar 4TNV94FHT |
| Engine Displacement | 3,053 ml |
| Rated Output (ISO 14396) | 88.4 kW / 2,500 $min^{-1}$ |
| Maximum Torque | 410.0 Nm / 1,700 $min^{-1}$ |
| Alternator | 12 V - 0.96 kW |
| Battery (IEC 60095-1) | 12 V - 90 A • h |

| FLUID CAPACITIES | |
|---|---|
| Engine Lubrication | 10.5 L |
| Cooling System | 18.5 L |
| Fuel Tank Capacity | 127.0 L |
| Hydraulic Reservoir Capacity | 44.0 L |
| Hydraulic System Capacity | 84.0 L |
| DEF Tank Capacity | 13.8 L |

| SAFETY AND HEALTH | |
|---|---|
| Vibration Levels | |
| Hand / Arm | $\leqq$ 2.5 $m/s^2$ |
| Body | $\leqq$ 0.5 $m/s^2$ |
| Noise Level | |
| Sound Power Level | $L_{WA}$ 102 dB |



Fuel Transfer Pump

Takeuchi Fleet Management

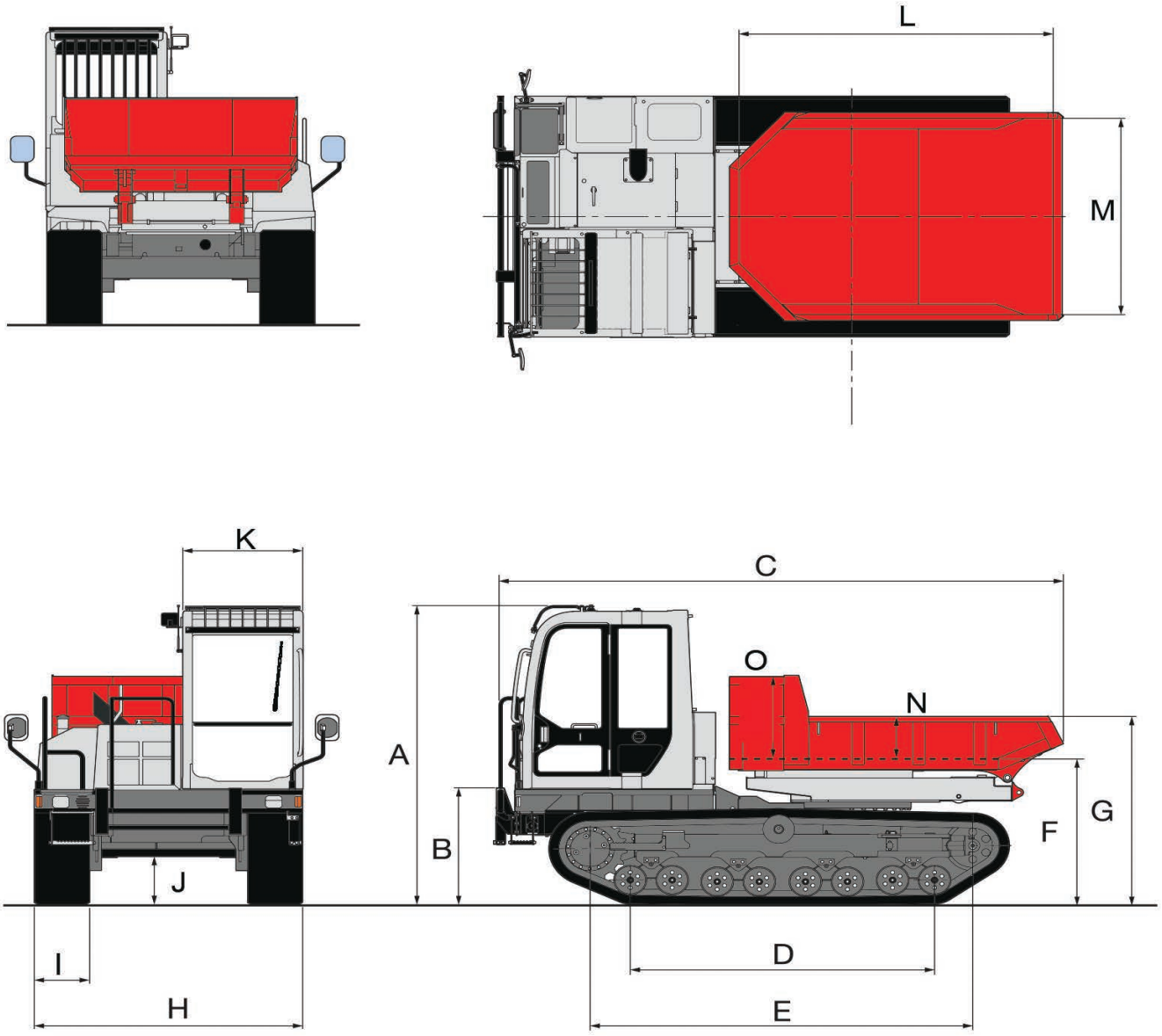



LED Forward Facing Lights

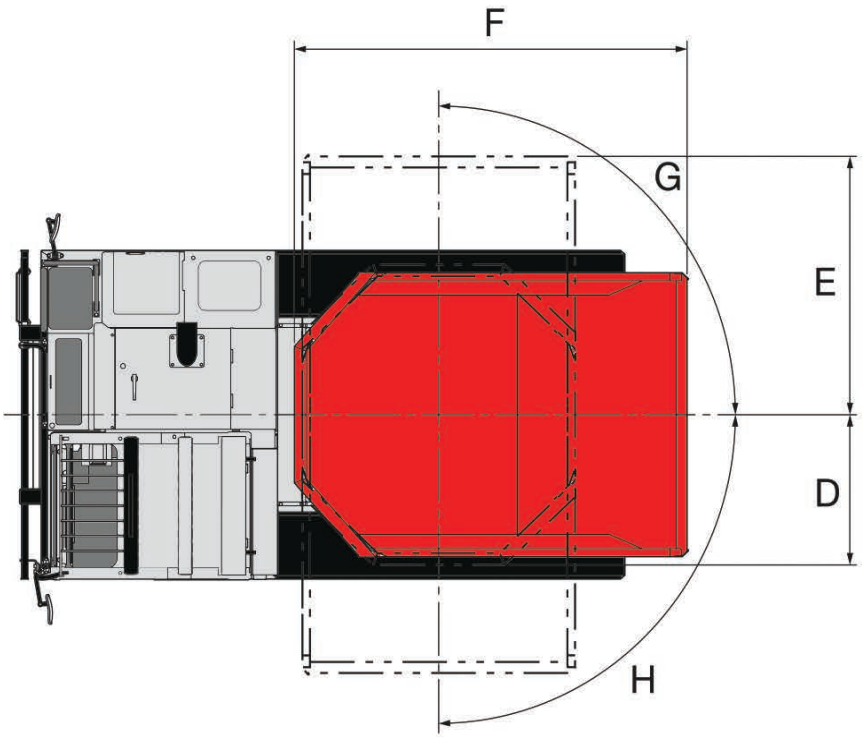


High Capacity Dump

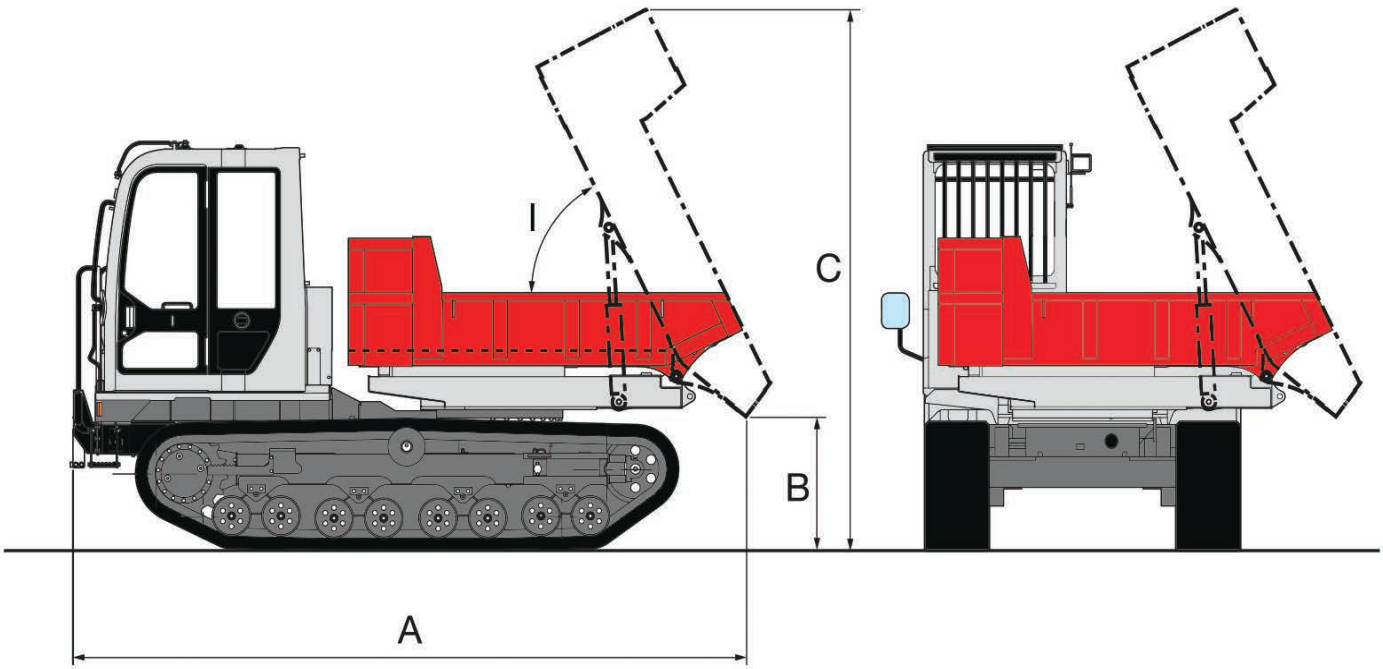
# TCR50-2 CRAWLER DUMPER




| | MACHINE DIMENSIONS | |
|---|---|---|
| A | Overall Height | 2,725 mm |
| B | Height of Bumper | 1,040 mm |
| C | Overall Length | 4,660 mm |
| D | Length of Track Ground | 2,500 mm |
| E | Track Base | 3,145 mm |
| F | Dump Body Floor Height | 1,330 mm |
| G | Dump Body Flap Height from the Ground | 1,715 mm |
| H | Overall Width | 2,200 mm |
| I | Track Shoe Width | 450 mm |
| J | Ground Clearance of Undercarriage | 435 mm |
| K | Cab Width | 990 mm |
| L | Dump Body Length (Inside) | 2,615 mm |
| M | Dump Body Width | 1,795 mm |
| N | Height of Dump Body Gate | 385 mm |
| O | Height of Dump Body Front Gate | 750 mm |




| Operating Dimensions | |
|---|---|
| A | 4,680 mm |
| B | 885 mm |
| C | 3,610 mm |
| D | 1,005 mm |
| E | 1,730 mm |
| F | 2,735 mm |
| G | 90° |
| H | 90° |
| I | 65° |




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FORM: TCR50-2 Crawler Dumper Spec Sheet - Jan. 2020

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