

COMPACT TRACK LOADER

**Takeuchi**<sup>TM</sup>

*From World First to World Leader*

# TL12R-2



Operating Weight: 5,710 kg



# TOUGH, POWERFUL, RELIABLE



Pilot Operated Controls



Battery Access Panel



Lower Cross Member & Step



Oversized Arm Cylinders

The TL12R-2 features a radial arm loader arrangement, and demonstrates Takeuchi's continued commitment to product improvement and innovation. It features a completely redesigned operator's station with a 5.7" color multi-information display excellent feature set, and updated rocker switches that control a wide range of machine functions.

Cab models have a smooth, low effort overhead door that improves entry and egress and enables the loader to be operated with the door in the raised or lowered position.

An updated undercarriage with a wide block quiet ride track system provides better flotation, improved ride quality, and a reduction in noise and vibration. A powerful, 81.8 kW engine meets the latest EU Stage V / EPA Tier 4 emissions standards while delivering outstanding power and torque for impressive performance in the most demanding applications



Spacious operator's station with easy to reach controls and switches.



# Product Features & Specifications

## ENGINE

- EU Stage V / EPA Tier 4 Emission Compliant
- Turbocharged and Intercooled
- DOC+DPF+SCR Exhaust After Treatment
- Active Power Control Power Management System
- ECO Mode
- Foot Throttle Control
- Automatic Fuel Bleed System
- Extended Life Coolant
- High Capacity Radiator, Hydraulic Oil Cooler and Intercooler Mounted Side-by-Side on Swing Out Frame
- Double Element, Air Cleaner

## ELECTRICAL

- 12 volt System with 80 amp Alternator
- Heavy Duty, Quick Access Battery
- LED Work Lights, Front and Rear
- 5.7" Color Multi-Informational Display with Rear View Camera
- Sealed Rocker Switches
- Back-up Alarm
- Horn
- TFM (Takeuchi Fleet Management; GPS)\*

## UNDERCARRIAGE AND FRAME

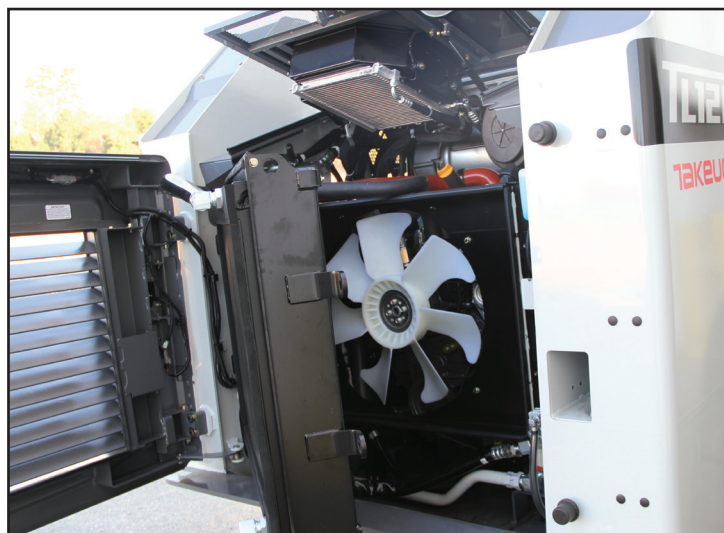
- 450 mm Quiet Track Design with Flotation Tread
- Long Track Frame
- Fully Welded Frame with Integrated Cross Members
- Rear Bumper Integrated into Frame
- Front and Rear Tie-Down and Lift Points
- Double Reduction Planetary Track Drives
- 2-Speed Travel

## OPERATOR'S STATION

- Tilt-up Operator's Station
- Deluxe High Back Adjustable Suspension Seat
- Rear Pivoting Seat Bar with Integrated Arm Rests
- Retractable 2" Seat Belt
- ROPS/FOPS Level I
- FOPS Level II Roof Guard Kit (optional)
- Polycarbonate Front Door (Cab optional)\*
- Pressurized Cab with Roll-up Door, Air Conditioning, Heat, Defrost, Front Wiper and AM/FM/MP3 Radio (Cab Only)
- Rear Wiper (Cab Standard Equipment in Europe Only)
- 3 Point Seat Belt (optional)

## HYDRAULIC & WORKING EQUIPMENT

- Power Radial Arm Design
- Lower Front Cross Member
- Cushioned Arm Cylinders
- Arm Float with Detent
- Hydraulic Joystick Controls
- Proportional Auxiliary Controls with Detent
- Pressure Relieving Flat Faced Coupler Body
- Hydraulic Self Leveling (ON/OFF)
- Mechanical Quick Hitch
- 14-Pin Connector with Push Button Control (optional)
- Hydraulic Quick Hitch (optional)
- High Flow Auxiliary Hydraulics 153.0 L/min (optional)
- Secondary Auxiliary Circuit 88.0 L/min (optional)
- Ride Control (optional)
- Pattern Change Valve (ISO or H) (optional)
- Manual Parking Brake (optional)



Convenient Service and Maintenance Access



Integrated Undercarriage

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

## OPERATING PERFORMANCE

|                                                  |           |
|--------------------------------------------------|-----------|
| Operating Weight - Canopy                        | 5,580 kg  |
| Cab                                              | 5,710 kg  |
| Tipping Load                                     | 3,915 kg  |
| Rated Operating Capacity<br>(ISO 14397-1) @ 35%* | 1,350 kg  |
| Operating Load at 50% of Tipping Load            | 1,958 kg  |
| Bucket Breakout Force                            | 36.5 kN   |
| Lift Arm Breakout Force                          | 35.9 kN   |
| Traction Force                                   | 62.3 kN   |
| Ground Pressure - Canopy                         | 32.0 kPa  |
| Ground Pressure - Cab                            | 32.7 kPa  |
| Travel speed - Low                               | 8.1 km/h  |
| High                                             | 11.8 km/h |

\* Operating capacity of compact track loaders is rated according to ISO 14397-1 at no more than 35% of the tipping load

## HYDRAULIC SYSTEM

|                                               |             |
|-----------------------------------------------|-------------|
| Auxiliary Flow - Primary Circuit              | 88.0 L/min  |
| Auxiliary Flow - High Flow (optional)         | 153.0 L/min |
| Auxiliary Flow - Secondary Circuit (optional) | 88.0 L/min  |
| Hydraulic System Pressure                     | 24.0 MPa    |

## ENGINE

|                          |                                    |
|--------------------------|------------------------------------|
| Make / Model             | Kubota / V3800                     |
| Engine Displacement      | 3,769 ml                           |
| Rated Output (ISO 14396) | 81.8 kW / 2,400 min <sup>-1</sup>  |
| Maximum Torque           | 379.3 Nm / 1,500 min <sup>-1</sup> |

## FLUID CAPACITIES

|                              |         |
|------------------------------|---------|
| Engine Lubrication           | 13.2 L  |
| Cooling System               | 18.0 L  |
| Fuel Tank Capacity           | 119.5 L |
| Hydraulic Reservoir Capacity | 50.0 L  |
| Hydraulic System Capacity    | 79.0 L  |
| DEF Tank Capacity            | 18.0 L  |

## SAFETY AND HEALTH

|                   |                        |
|-------------------|------------------------|
| Vibration Levels  |                        |
| Hand / Arm        | ≤ 2.5 m/s <sup>2</sup> |
| Body              | ≤ 0.5 m/s <sup>2</sup> |
| Noise Level       |                        |
| Sound Power Level | LWA 104 dB             |



5.7" Color Display



Rear View Camera



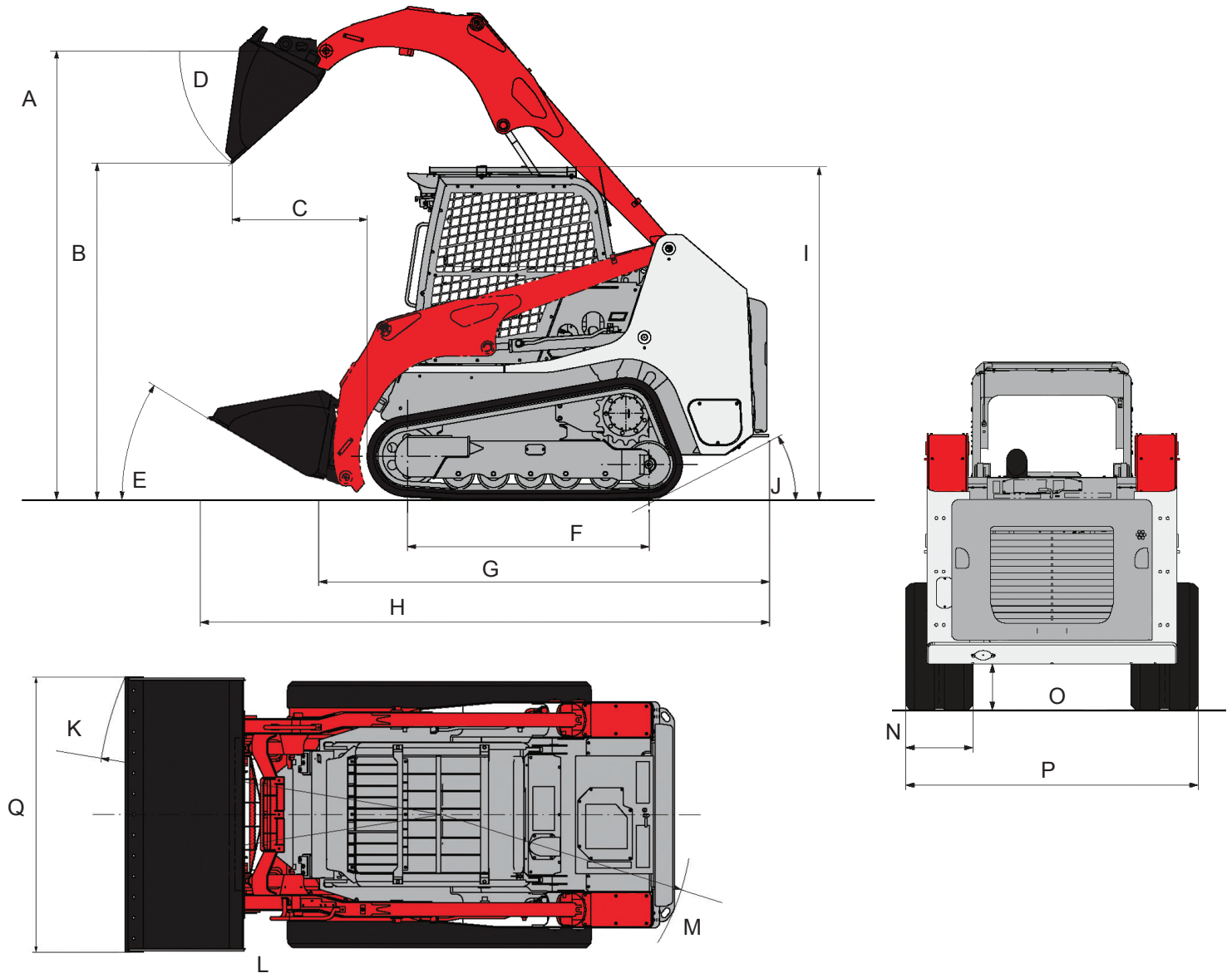
Roll Up Door



Multi-Function Switch Bank



# TL12R-2 Compact Track Loader



## MACHINE DIMENSIONS

|    |                                  |          |
|----|----------------------------------|----------|
| A  | Max. Lift Height to Bucket Pin   | 3,200 mm |
| B  | Dump Height Fully Raised         | 2,400 mm |
| C  | Dump Reach Fully Raised          | 960 mm   |
| D  | Dump Angle                       | 40°      |
| E  | Rollback Angle                   | 30°      |
| F  | Track Base                       | 1,715 mm |
| G  | Machine Length                   | 3,205 mm |
| H  | Transport Length                 | 4,045 mm |
| I  | Transport Height                 | 2,330 mm |
| I' | Transport Height with Roof Guard | 2,380 mm |
| J  | Departure Angle                  | 30°      |
| K  | Clearance Circle with Bucket     | 2,555 mm |
| L  | Clearance Circle without Bucket  | 1,635 mm |
| M  | Clearance Circle Rear            | 1,850 mm |
| N  | Track Width                      | 450 mm   |
| O  | Ground Clearance                 | 320 mm   |
| P  | Overall Width without Bucket     | 1,960 mm |
| Q  | Bucket Width                     | 2,030 mm |



