Maximum basket bottom depth: 17.4 m
Maximum basket bottom height: 16.1 m
Maximum working radius: 11.4 m
Maximum horizontal underbridge reach: 15.0 m
Maximum basket loading capacity: 300 kg or 3 persons
SPECIFICATIONS

WORKING RANGE

MIDDLE OUTRIGGER EXTENSION

BASKET

Outside dimensions 2.0 m x 0.85 m x 1.0 m (Length x width x depth)
Capacity 300 kg or three(3) persons
Automatic leveling system By a double-acting hydraulic cylinder with link.
Maximum middle2, middle1 outrigger extension
(SLEWING ANGLE -150˚ (Left 90˚ Right 100˚)
Maximum basket bottom depth 17.4 m
Maximum basket bottom height 16.1 m
Maximum working radius 11.4 m
Maximum horizontal underbridge reach 15.0 m

BOOM

1st boom
Two-section full power telescoping boom of box construction, Telescopic system consists of a double-acting hydraulic cylinder. Hydraulic cylinder fitted with a holding valve and a pilot check valve.
Boom length......6.0 m – 7.9 m
Slewing system Hydraulic motor driven through planetary reduction gear. Slewing angle...... 200˚ (Left 100˚ Right 100˚)
Elevation system By a double-acting hydraulic cylinder, fitted with a holding valve. Elevation angle...... 0˚ – 77˚

2nd boom
One-section boom of box construction. Boom length......6.96 m
Slewing system Hydraulic motor driven through worm reduction gear. Slewing angle...... 285˚
Elevation system By a double-acting hydraulic cylinder, fitted with a holding valve. Elevation angle...... 0˚ – 90˚

3rd boom
Three-section full power synchronized telescoping boom of box construction. The synchronization system consists of a double-acting hydraulic cylinder, an extension cable and a retraction cable. Hydraulic cylinder fitted with a holding valve and a pilot check valve.
Boom length......5.18 m – 11.61 m
Elevation system By a double-acting hydraulic cylinder, fitted with a holding valve and links. Elevation angle...... -70˚ – 90˚

4th boom
Box construction, parallel linkage. Boom length......1.3 m
Elevation system By a double-acting hydraulic cylinder, fitted with a holding valve. Elevation angle...... 23˚ – 90˚
Lifting height......1.8m

OUTRIGGERS

Four hydraulically operated outriggers equipped with solid rubber tires. Each outrigger controlled simultaneously or independently from both side of carrier.

Maximum extension width
Front 4.04 m
Rear 4.18 m

CONTROLS AND MONITORS

In basket
Levers for 1st boom telescoping, 1st boom elevation/rotation, 3rd boom telescoping, and 3rd boom elevation/rotation.

On rotating frame
Levers for 1st boom telescoping, 1st boom elevation/rotation, 3rd boom telescoping, and 3rd boom elevation/rotation.

Outriggers control
Levers for extension/retraction and outrigger selection. Switch for acceleration. Monitor lamps for vehicle tipping warning

SAFETY DEVICES

Automatic working area rubber bumper and basket automatic stowing
Automatic speed reduction and slow stop function.
Automatic speed control system
Boom profile monitor system (Prevent hitting 1st boom by 2nd boom, prevent hitting vehicle by 1st boom)
Jack interlock
Boom interlock
Vehicle tipping warning
Emergency stop system
Hydraulic safety valves
Hydraulic cylinder lock valves
Outrigger indicator
Voice alarm
Guard for operation levers
Foot switch on basket, on rotating frame

ACCESSORIES

Hour meter

OPTIONAL EQUIPMENT

- Work light (on basket) - Marker lamps - Safety belt
- Grease pump - Tools

FILTERS

- Guard for operation levers

PUMPS

- Gear pumps and piston pump

CONTROL VALVES

- Multiple hydraulic-control valves activated by switch with integral relief valves. And electric remote control from basket.

HYDRAULIC SYSTEM

- Approx. 150 L
- Pressure and Return line filters

WORKING RANGE

BRIDGE INSPECTION OPERATION

MAXIMUM OUTRIGGER EXTENSION

MIDDLE OUTRIGGER EXTENSION

MIDDLE OUTRIGGER EXTENSION 2

MIDDLE OUTRIGGER EXTENSION 1

3RD BOOM WORKING PLAN VIEW

12 11 10 9 8 7 6 5 4 3 2 1 0 -1 -2 -3

WORKING RANGE (m)

(AERIAL WORK PLATFORM OPERATION)

MAXIMUM MIDDLE2, MIDDLE1 OUTRIGGER EXTENSION

DIMENSION

WORKING RADIUS (m)

This is for reference chassis, subject to change specification without notice. Continuing technical development requires Tadano to retain the right to make specifications, equipment and price changes without notice.

*Some specifications are subject to change

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