

NEW

SHINRAI **PRO** L

• RELIABLE • TRUSTWORTHY • CAPABLE



CEV5

Operating Weight : 8310 kg | Loader Bucket Capacity : 1.1 m³ | Payload : 1800kg

LOADER VERSION

SPECIFICATIONS

ENGINE

Make	Tata Motors
Model	497DI39
Type	Water Cooled, NA, 4 Cylinder CRDI Diesel Engine
Gross Power	55 HP @ 2200 RPM
Max. Torque	225 Nm @ 1400 RPM
Battery	12V, 150 Ah
No. of Cylinders	4 Nos
Bore	97 mm
Stroke	128 mm
Displacement	3784 cc
Alternator	120 Amps

HYDRAULIC SYSTEM

EHS (Electronically controlled Hydraulic System), Variable Displacement Pump with Electric Displacement Control and Load Sense to optimize performance and fuel consumption
System Pressure 265 bar
Max. Pump Flow 105 lpm @ 1,950 RPM
Control Valve: Sectional valves that are individually replaceable.

TRANSMISSION

- Equipped with Carraro-make synchro-shuttle transmission.
- Solenoid-type mechanism allows smooth, easy forward and reverse movements.
- Transmission allows for four forward and two reverse speed.

AXLE

- Front Axle**
 - Heavy-duty, non-powered axle
 - Floats up to +/-8 degrees to handle uneven surfaces
- Rear Axle**
 - Rear heavy-duty Carraro axle
 - High brake torque

SPEEDS

Speeds @ 1950 rpm with standard tyres

Forward	Reverse
1st.....5 kmph	1st.....5 kmph
2nd.....8 kmph	2nd.....9 kmph
3rd.....17 kmph	3rd.....Not recommended
4th.....30 kmph	4th.....Not recommended

BRAKES

Service Brake: Stepped Bore type, Oil immersed wet disc, hydraulically actuated with independent pedals that enable precise control, allowing shorter turning radii and easier manoeuvring in slushy terrains.
Parking Brake: Hand operated with Disc on Rear Axle

STEERING

Type	Hydraulic actuation with priority for smooth control
Turning Circle	Inner wheel braking
Outside Loader Bucket	11.75 m
Outside Wheels	8.65 m

REFILL CAPACITY

Fuel Tank	128 L
Engine Oil	13.5 L
Engine Coolant	13.0 L
Transmission Oil	16.0 L
Rear Axle Oil	17.1 L
Hydraulic Oil Refill	65.0 L

TYRES

Front (Std.)	9x16, 16 PR
Rear (Std.)	16.9 x 28, 12 PR
Rear (HD)	14x25, 20 PR

LOADER PERFORMANCE (Forces as per ISO 6015 : 2006)

Below ground dig depth	75 mm
Loader bucket break-out force	5,722 kgf
Loader arm break-out force	5,139 kgf
Payload	1,800 kg
Loader Bucket capacity	1.1 m³ (STD)

Dim. Notations	Dimension	Description
A	2,690	Dump height
B	3,305	Load over height
C	3,550	Pin height
D	360	Pin forward reach
E	1,620	Reach at ground level
F	1,332	Max. reach at full height
G	840	Reach in bucket dump position
Bucket Angles		
H	45°	Bucket roll-in angle
I	45°	Bucket rotation angle

All dimensions are in mm

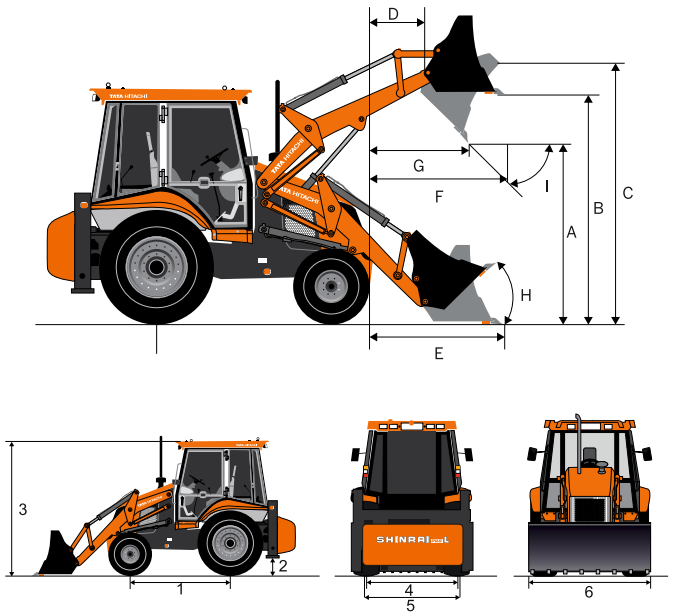
LOADER BUCKET (Bucket capacity as per ISO 7451 : 2007 Heaped)

Type	Bucket size	Bucket width	Bucket weight	No. of tooth point
Loader bucket	1.1 m³	2352 mm	560 kg	8
6 in 1 Loader bucket	1.0 m³	2350mm	680 kg	8

OVERALL DIMENSIONS

Dim. Notations	Dimension	Description
1	2,130	Wheel base
2	350	Minimum ground clearance
3	2,940	Height of cabin
4	1,900	Front wheel tread width
5	1,710	Rear wheel tread width
6	2,354	Loader bucket width

All dimensions in mm | All dimensions, weights and forces are variable within 1.5%



Tata Hitachi Construction Machinery Company Private Limited
Registered Office: Jubilee Building, 45 Museum Road, Bangalore, India 560025
Telephone: +918066953301 / 02 / 03 / 04 / 05 | Email: info@tatahitachi.co.in



OUR RANGE OF PRODUCTS

Mini Excavator

Construction Excavator

Backhoe Loader

Wheel Loader

Dump Truck

Mining Excavator

Authorised Dealer

These specifications are subject to change without prior notice. The machine depicted may vary from the actual machine. Please contact our nearest office for latest specifications. Accessories shown here are not part of the standard equipment. Performance of the machine may vary with site and operating conditions encountered.