

NEW

# SHINRAI PRIME L

• RELIABLE • TRUSTWORTHY • CAPABLE



**CEV 5**

Operating Weight : 8020 kg | Loader Bucket Capacity : 1.1 m<sup>3</sup> | Payload : 1920kg

## LOADER VERSION

SPECIFICATIONS

ENGINE

Make .....Kubota  
Model .....V3800-CR-TE5  
Type .....Turbo-charged,direct injection  
Gross Power..... 74.3 HP (55.4 kW) @ 2,200 RPM  
Max. Torque.....310Nm @ 1,500 RPM  
Battery.....12 V, 150 Ah  
No. of Cylinders.....4 nos  
Bore.....100 mm  
Stroke.....120 mm  
Displacement.....3.7 L  
Alternator.....100Amps

HYDRAULIC SYSTEM

Efficient Hydraulic System (EHS) with Tandem gear pump for lower fuel consumption  
System Pressure ..... 245 bar  
Max. Pump Flow..... 113 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 terrains
  - 4 WD Front Axle, King Pin Angle=7°, Camber Angle=1.5, Ratio Total-13,714:1
- Rear Axle**

  - Rear heavy-duty Carraro axle
  - High brake torque

SPEEDS

- Forward**

1st..... 5 kmph  
2nd..... 8 kmph  
3rd..... 17 kmph  
4th..... 32 kmph
- Reverse**

1st.....6 kmph  
2nd..... 9 kmph  
3rd..... Not recommended  
4th..... Not recommended
- Speeds @ 1950 rpm with standard tyres

BRAKES

**Service Brake:** 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..... 11.73 m  
Outside Wheels..... 8.6 m

REFILL CAPACITY

Fuel Tank ..... 128 L  
Engine Oil..... 13.2 L  
Engine Coolant..... 14.4L  
Transmission Oil ..... 16L  
Rear Axle Oil.....17.1 L  
Hydraulic Oil Refill..... 86 L  
Front Axle-Live ..... 9.1 L [4WD]

TYRES

Front (Std.).....9x16, 16 PR  
Front Wider (4 WD) .....12.5/80-18, 12 & 14 PR  
Rear (Std.) ..... 16.9 x 28, 12 PR  
Rear (HD) ..... 14 x 25, 20 PR

LOADER PERFORMANCE

Below ground dig depth ..... 110 mm  
Loader bucket break-out force..... 6,580 kgf  
Loader arm break-out force ..... 5,488 kgf  
Payload ..... 1,920 kg  
Loader Bucket capacity ..... 1.1 m³

Dim. Notations	Dimension	Description
A	2,720	Dump height
B	3,305	Load over height
C	3,550	Pin height
D	367	Pin forward reach
E	1,620	Reach at ground level
F	1,332	Max. reach at full height
G	860	Reach in bucket dump position
Bucket Angles		
H	45°	Bucket roll-in angle
I	45°	Bucket rotation angle

All dimensions are in mm

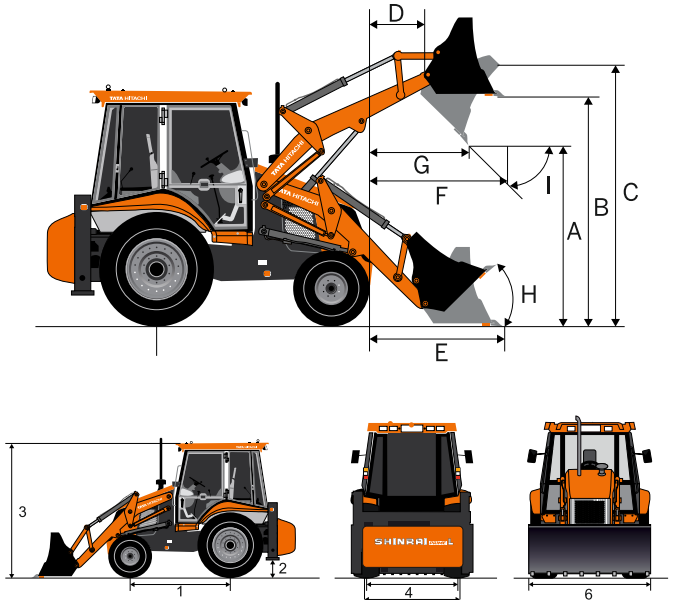
LOADER BUCKET

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	320	Minimum ground clearance
3	2,970	Height of cabin
4	1,900	Front wheel tread width
5	1,700	Rear wheel tread width
6	2,354	Loader bucket width

All dimensions are in mm



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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.

TTCM/SHINRA/PRIMECELS/V27/E/AUG2025