



TATA HITACHI

Reliable solutions

NEW !

SHINRAI **PRIME** L

• RELIABLE • TRUSTWORTHY • CAPABLE

Aap Ka Sabse Bharosemand Saathi



Model
SHINRAI PRIME L
Loader Version

Operating Weight
7800 kg

Loader Bucket Capacity : **1.1 m³**
Payload : **1920kg**

LOADER VERSION

ENGINE

Make	Tata Hitachi
Model.....	V3800-TIE4B
Type	Turbo-charged, inter-cooled direct injection
Gross Power.....	74,3 HP (55,4 kW) @ 2,200 RPM
Max. Torque	305 Nm @ 1,500 RPM
Battery (with cut-off switch).....	12 V, 130 Ah
No. of Cylinders.....	4 nos
Bore	100 mm
Stroke	120 mm
Displacement	3,769 cc
Alternator.....	100Amps

HYDRAULIC SYSTEM

Excellent 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

- Rear Axle**
- Rear heavy-duty Carraro axle
 - High brake torque

SPEEDS

Speeds @ 1950 rpm with standard tyres

Forward	Reverse
1st..... 5 kmph	1st..... 6 kmph
2nd..... 8 kmph	2nd..... 9 kmph
3rd..... 17 kmph	3rd..... Not recommended
4th..... 32 kmph	4th..... Not recommended

BRAKES

Service Brake: Oil-immersed wet disc, hydraulic-actuated with independent pedals for better control in narrow spaces
 Parking Brake: Hand-operated disc brake on the rear axle

STEERING

Type.....Hydraulic actuation with priority for smooth control
 Turning Radius..... 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.....	13 L
Transmission Oil	16 L
Rear Axle Oil	17.1 L
Hydraulic Oil Refill.....	86 L

TYRES

Front (Std.).....	9x16, 16 PR
Rear (Std.).....	16.9 x 28, 12 PR
Rear (HD)	14x25, 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 m ³

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

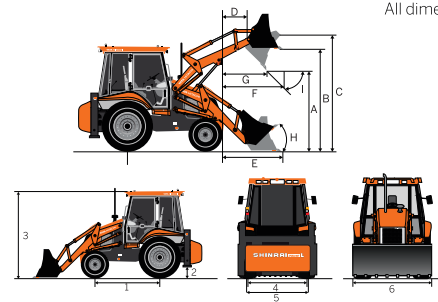
LOADER BUCKET

Type	Bucket size	Bucket width	Bucket weight	No. of tooth point
Loader bucket	1.1 m ³	2352 mm	560 kg	8

OVERALL DIMENSIONS

Dim. Notations	Dimension	Description
1	2,130	Wheel base
2	320	Minimum ground clearance
3	2,940	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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OUR RANGE OF PRODUCTS



Authorised Dealer



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