SPECIFICATIONS

ENGINE

Make	Cummins
Model	
Туре	
Gross Power	
Max. Torque	
Battery	
No. of Cylinders	
Bore	
Stroke	
Displacement	
Alternator	

HYDRAULIC SYSTEM

Intelligent Optimum Hydraulic system, Variable Displacement Pump with Electric Displacement Control and Load Sense to optimize 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

Rear Axle Rear heavy-duty Carraro axle High brake torque

Speeds @ 1950 rpm with standard tyres

SPEEDS

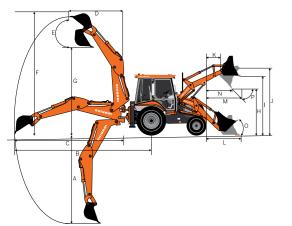
Forward	Reverse	
1st	 1st	
2nd	 2nd	
3rd	 3rd	
4th	 4th	Not recommended

BACKHOE PERFORMANCE

Backhoe Bucket digging force 6,026 kgf	Backhoe Arm Length 1.96 m
Backhoe Arm digging force 3,087 kgf	Backhoe Boom Length 2.46 m
Slider Frame Travel	Bucket width 752 mm

Dim. Notations	Dimension	Description
А	4,700	Max. digging depth
В	6,880	Max. reach from rear axle centre
С	5,440	Max. reach from slew centre
D	2,001	Max. reach during loading from slew centre
E	180°	Bucket rotation angle
F	6,050	Max. cutting height in backhoe (Stabilizer fully extended position)
G	4,200	Max. loading height in backhoe (Stabilizer fully extended position)
н	2,690	Dump height
l I	3,305	Load over height
J	3,550	Pin height
К	360	Pin forward reach

All dimensions are in mm



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

Туре	Hydraulic actuation for smooth control
Turning Radius	inner wheel braking
Outside Loader Bucket	
Outside Wheels	
TYRES	

Front (Std.). Rear (Std.). Rear (HD) 14x25, 20 PR

REFILL CAPACITY

Fuel Tank	
Engine Oil	
Engine Coolant	
Transmission Oil	20 L
Rear Axle Oil	
Hydraulic Oil Refill	

LOADER PERFORMANCE

Below ground dig depth	
Loader bucket break-out force	
Loader arm break-out force	
Pavload	
Loader Bucket capacity	

Dim. Notations	Dimension	Description
L	1,620	Reach at ground level
М	1,332	Max. reach at full height
N	840	Reach in bucket dump position
Bucket Angles		
0	45°	Bucket roll-in angle
P	45°	Bucket rotation angle

All dimensions are in mm

BACKHOE BUCKET OPTIONS

Туре	Bucket size	Bucket width	Bucket weight	No. of tooth point
Standard bucket	0.26 m ³	752mm	220 kg	5
Heavy duty bucket	0.22 m ³	695mm	195 kg	5
Trench bucket	0.09 m ³	1 ft	122 kg	3
Trench bucket	0.12 m ³	1.5 ft	135 kg	3
Ditch cleaning bucket	0.35 m ³	945mm	220 kg	NA

LOADER BUCKET OPTIONS

Туре	Bucket size	Bucket width	Bucket weight	No. of tooth point
Loader bucket	1.1 m ³	2352 mm	560 kg	8
6 in 1 Loader bucket	1.0 m ³	2350mm	680 kg	8

OVERALL DIMENSIONS

Dim. Notations	Dimension	Description	
1	6,040	Transport length	
2	2,130	Wheel base	
3	1,370	Slew centre to rear axle centre	
4	320	Minimum ground clearance	
5	485	Slew ground clearance	
6	2,940	Height of cabin	
7	3,530	Machine Transport Height	
8	1,900	Front wheel tread width	
9	1,710	Rear wheel tread width	
10	2,354	Loader bucket width	
11	5,520	Max. side reach to slew centre	
12	1,035	Total side-shift travel	
13	6,050	Max. side reach to machine centre	





Authorised Dealer

Tata Hitachi Construction Machinery Company Private Limited Registered Office: Jubilee Building, 45 Museum Road, Bangalore, India 560025



Model SHINRAI PRO

Operating Weight STD: 7940 Kg



NEW!

SHINRAI • RELIABLE • TRUSTWORTHY • CAPABLE Your True Partner in Progress



ΤΛΤΛ ΗΙΤΑCΗΙ

Reliable solutions

Bucket Capacity Backhoe: 0.26 m³ | Loader: 1.1 m³



RELIABLE ENGINE FOR EXCEPTIONAL PERFORMANCE

- New fuel efficient reliable engine
- Superior engine performance
- 4 valve per cylinder
- Inline fuel injection pump for easy maintenance
- Zero maintenance cyclonic pre-cleaner



RELIABLE DRIVE LINE FOR TOP-NOTCH PERFORMANCE

- Electrically controlled parameters for optimized performance and increased life
- Proven transmission and axle system
- Easy maintenance



- with fuel efficiency
- displacement pump to match high performance at lower fuel consumption
- superior life





A CABIN THAT OFFERS MAXIMUM COMFORT AND SAFETY



- Well ventilated and spacious cabin
- Excellent visibility
- Comfortable operator seat
- Large leg space for comfortable operation
- Ergonomic controls

- User-friendly consoles
- Ample storage space
- Meets FOPS* safety requirements
- Quieter engine
- Powerful music system with FM, USB, AUX, Bluetooth connectivity and calling facility.











Extensively used for

der

application

Used for drilling, Pole erection, Plantation, Fencing,

Casing application

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