



TATA HITACHI

Reliable solutions

YOUR BEST BUSINESS PARTNER

NEW! **TL 340H** *PRIME*

The next generation fuel efficient
wheel loader



Model Name
TL 340H Prime

Gross Engine Power
121 HP

Operating Weight
10980 kg - 11060 kg

Bucket Capacity
1.5 - 2.7 m³

SMART STRONG & POWERFUL

POWERED WITH HYDROSTATIC DRIVE TECHNOLOGY

The new Tata Hitachi TL 340H Prime is built on the foundation of quality and reliability.

Proven to be more fuel efficient than its competitor because of its superior hydrostatic technology.

KEY BENEFITS

- ▶ High Fuel Efficiency
- ▶ High Power
- ▶ Swift Operations

Hydrostatic Technology 

Power Optimization 

Comfort and Safety 

Telematics 

Ease Of Maintenance 

**FUEL
SAVINGS OF**

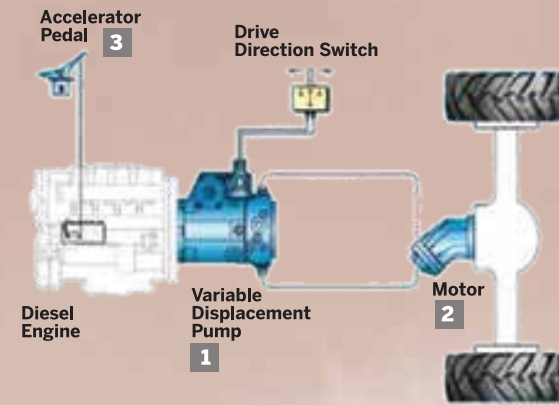
₹4,00,000*

PER YEAR

*Based on testing done in controlled and standard environment. Terms and condition apply

HYDROSTATIC TECHNOLOGY

- ▶▶ **1** The hydrostatic pump converts mechanical power from the engine into hydraulic flow.
- ▶▶ **2** The hydraulic flow is directly converted back into mechanical power by motors on the axle, eliminating the need for a transmission.
- ▶▶ **3** Pressing down the accelerator pedal increases the engine speed hence hydraulic flow to meet travel requirement.



HIGH FUEL EFFICIENCY

- ▶▶ More production with less fuel with the help of a powerful engine and hydrostatic technology.



AUTO BRAKING SYSTEM

- ▶▶ Self-locking feature of the hydrostatic drive kicks in and stops machine movement once you take your foot off the accelerator which helps in fuel savings.

HIGH TRACTIVE EFFORT

- ▶▶ The high tractive force on the wheels, due to the hydrostatic drive, lets you dig into the pile with utmost ease.
- ▶▶ The Z bar linkage provides high breakout force which ensures you can excavate as smoothly as you dig.
- ▶▶ Limited slip differential in front axle for better tractive effort.



INCHING BRAKE

- ▶▶ Provide better and efficient braking while adding to lower fuel consumption. When brake is applied, it first disconnects the power transmission to axle (similar to clutch) then applies brake.



SPEED ON YOUR SIDE

Being gearless and clutchless, the machine accelerates faster and the short hydraulic cycle time ensures that the machine retains its edge and finishes the task at a faster rate.



POWER OPTIMIZATION

POWERFUL ENGINE FOR ULTIMATE PERFORMANCE

- ▶ Eco friendly Cummins QSB 4.5 four cylinder CEV IV emission standard engine.
- ▶ Powerful engine which delivers more than 20% higher power and torque as compared to the previous model.
- ▶ Equipped with latest Wastegate Turbocharger.
- ▶ Provides increased performance even at low engine speed.
- ▶ Single module After Treatment Device (ATD) with integrated silencer. ATD consists of DOC, Dosing module and SCR system.



WORK MODES

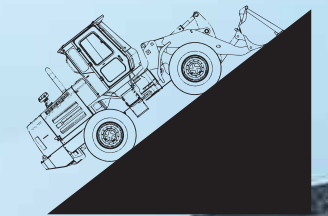
Choose from two work modes based on the application, to ensure best possible results.

- ▶ Higher tractive effort option suited for machines working on inclined surface, dozing operations and high staking applications.
- ▶ High travel speed option suited for machines running on plain surface and involved in loading of trucks and wagons.



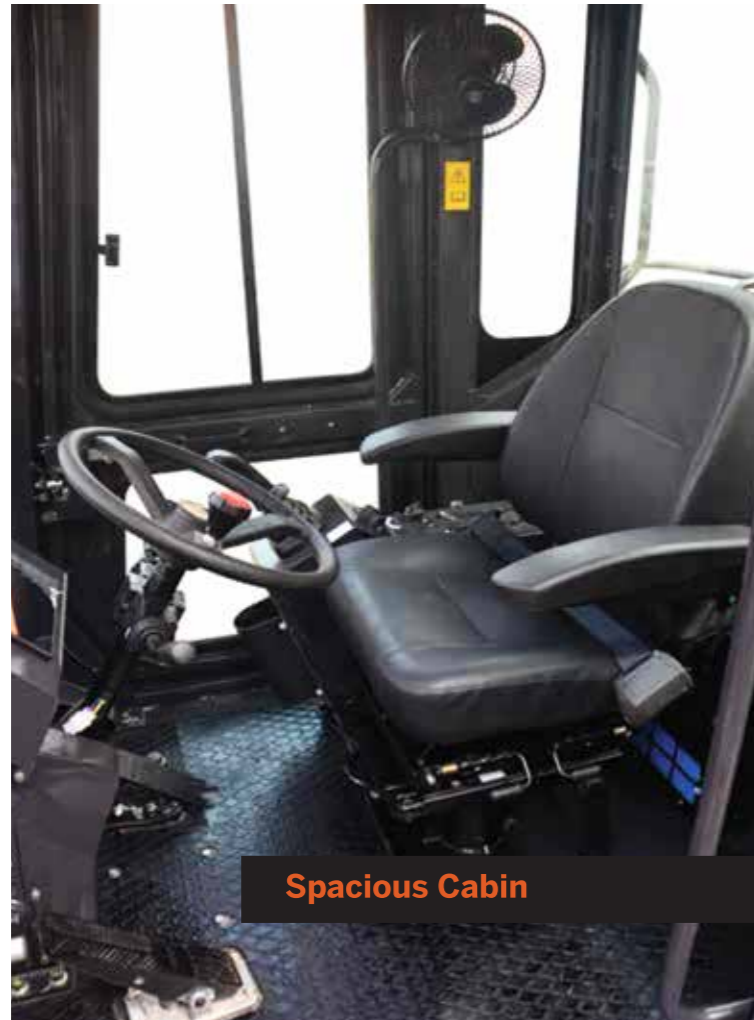
EFFICIENT HYDRAULICS

- ▶ TL 340H Prime has been upgraded with new travel devices, which work in harmony with the powerful engine and axles.
- ▶ Load Sensing Variable Displacement Pumps provide optimum hydraulic flow at all engine speed for faster and efficient machine operations.



COMFORT AND SAFETY

TL340H Prime boasts of a unique approach to ergonomics that our machines are built on, for the customers. With a range of features which enhance customer experience. Expect best-in-class comfort, visibility and ergonomics.



Spacious Cabin



Integrated rear view Camera
It provides better surrounding awareness without distracting operator.



Operator visibility
Side mirrors and rear view camera offers 360 degree view.



Machine control
All switches and auxiliary controls are within easy reach.



Safety
Front grill for improved safety during operation



Machine console
Multi-color digital monitor ensures machine parameters information like fuel level, coolant level, engine speed, alerts etc. are easy to read and understand.



Music system
With FM radio and USB port.



Ease of operations
The pilot lever lets the operator control the bucket and arm with ease.



Air conditioner
For comfortable long working hours, manual tri level air conditioner option is available.



Improved FOPS Level 1 cabin
Enhancing operator's safety.



Adjustable steering column
For customized working positions.

EASE OF MAINTENANCE



- ▶ With long service intervals and quality components, maintaining the machine is easier.
- ▶ Easy access to machine components from ground level.



- ▶ High clearance engine hood and full access side panels on both sides of the engine compartment for easy access.
- ▶ Option for Central Lubrication System and Auto Fire Suppression System for enhanced safety.



SUPPORT CHAIN

SERVICE SUPPORT

- ▶ Warranty, extended warranty and post-warranty services.
- ▶ On-site services through a wide network of dealerships.
- ▶ Fault codes display in the dashboard for ease of maintenance and trouble shooting.
- ▶ Field diagnostic vehicle for immediate on-site resolution.

SPARE PARTS SUPPORT

- ▶ Complete range of genuine spare parts.
- ▶ State-of-the-art warehouses in Nagpur, Haryana, Kharagpur, Guwahati and Dharwad for easy proximity to customers.

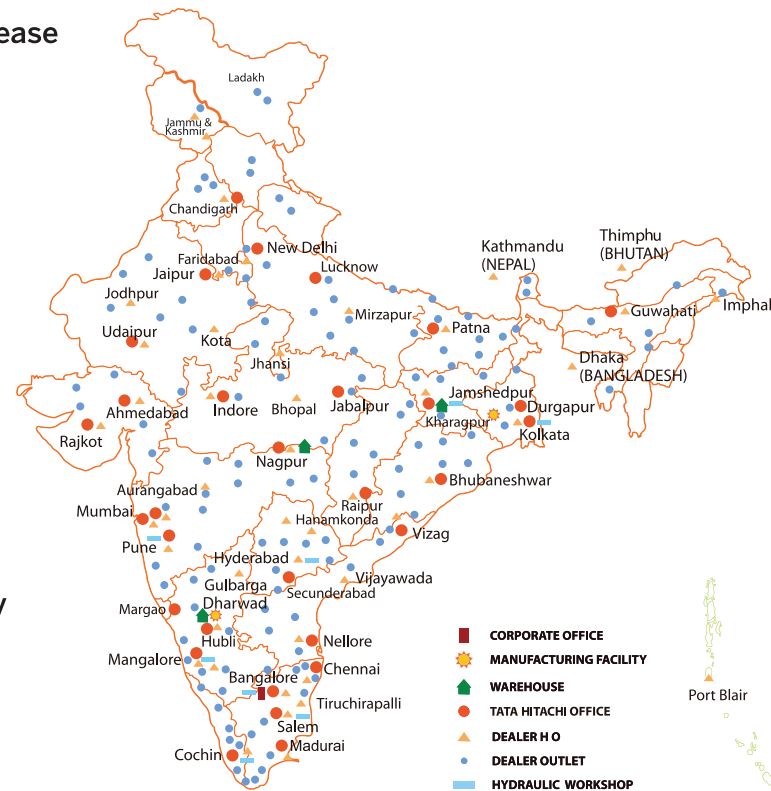


INSIGHTS INTO YOUR JOB SITE

TELEMATICS SUITE

Location, Geo Fencing	Overall Fleet Summary in Graphical Widgets (Dashboard)	Asset Utilization	Asset Operation	Urea levels monitoring
Ability to Track Machine Maintenance/Service Due Date	Fuel Consumption Monitoring	Fleet Management	Accessible on Web & App	

BE IN SYNC WITH TL340H Prime



SPECIFICATIONS

ENGINE

Engine model name	Cummins B4.5 CIV121D221
Type	4 Cylinder Water Cooled Direct Injection
Aspiration	Turbocharged with charge air cooler
No. of cylinders	4
Max. Power	121 HP @ 2,200RPM
Max Torque	500 Nm @ 1,500RPM
Emission Norms	BSIV
Batteries	2 X 12V
Bore x Stroke	107x124
Piston Displacement	4.5L
Air Cleaner	Two element Dry type with restriction indicator

TRAVEL DRIVE

Stepless Hydrostatic Travel Drive

Swash plate type variable displacement pump and two variable displacement axial piston motors in closed loop circuit. Direction of travel is reversed by changing the flow direction of the variable displacement pump.

Control

Stepless control through accelerator pedal. The FNR (Forward n Reverse) lever is used to control, forward and reverse travel and the speed selector is used to select the travel speed range.

POWER TRAIN

Transmission	Electro hydraulically controlled Hydrostatic transmission
Selector Range I	0 to 6±2 km/hr
Speed Selector Range II	0 to 30±2 km/hr

The speed of the vehicle is same as BS-III, however for digital display monitor, as per IS-11827, display speed can vary from actual speed to [Actual speed +(0.1xActual speed)+4 km/hr].

AXLE AND FINAL DRIVE

Drive system	4 wheel drive system
Front	Fixed to front frame
Rear	Centre pivot on main frame (oscillating type)
Reduction and Differential Gear	
Front	Self Locking Limited Slip Differential
Rear	Open Differential
Oscillation angle	Total 24° (+12°, -12°)

TYRES

No. of Tyres	4
Tyre Size	14x25 20PR
Tyre Pressure	4.8 kg/cm ² (70 PSI)

BRAKES

Service Brakes:

Full Hydraulic braking: Self-adjusting wet type disc brake integrated in wheel hub acts on all 4 wheels. HST (hydrostatic transmission) system provides additional Hydraulic braking capacity.

Parking Brake:

Solenoid actuated spring applied Hydraulically released at front axle.

SERVICE REFILL CAPACITIES

Fuel tank	165L
Engine coolant	22L
Engine oil	17L
Front axle	17L
Rear axle	17.5L
Hydraulic tank	130L
DEF Tank	26L

OPERATING DATA

Rated payload	3,375 kg
Breakout force	10,543 kg
Tipping load (straight)	8,264 kg
Tipping load (38° articulated)	7,340 kg
Operating weight	10,980 kg

Turning radius

Outside wheel	5165 mm
Outside bucket	6000 mm

STEERING SYSTEM

Type	Articulated frame steering
Steering mechanism	Fully Hydraulic power steering with orbitrol
Steering angle	Each direction 38°; Total 76°
Relief pressure	180 bar
Cylinders	Double Acting Piston Type
No. x bore x stroke	2x70x313

HYDRAULIC SYSTEM

Arm and bucket are controlled by pilot operated lever	
Arm Controls	3 position valve - raise, hold, lower
Bucket Controls	3 position valve - roll back, hold, dump
Main pump	Load sensing variable displacement axial piston pump
Main pump flow rate	132lpm @ 2,200 rpm
Relief pressure setting	260 Bar

HYDRAULIC CYCLE TIME

Lift arm rise	5.2secs
Lift arm lower	3.1secs
Bucket dump	1.2secs
Total Hydraulic Cycle Time	9.5secs

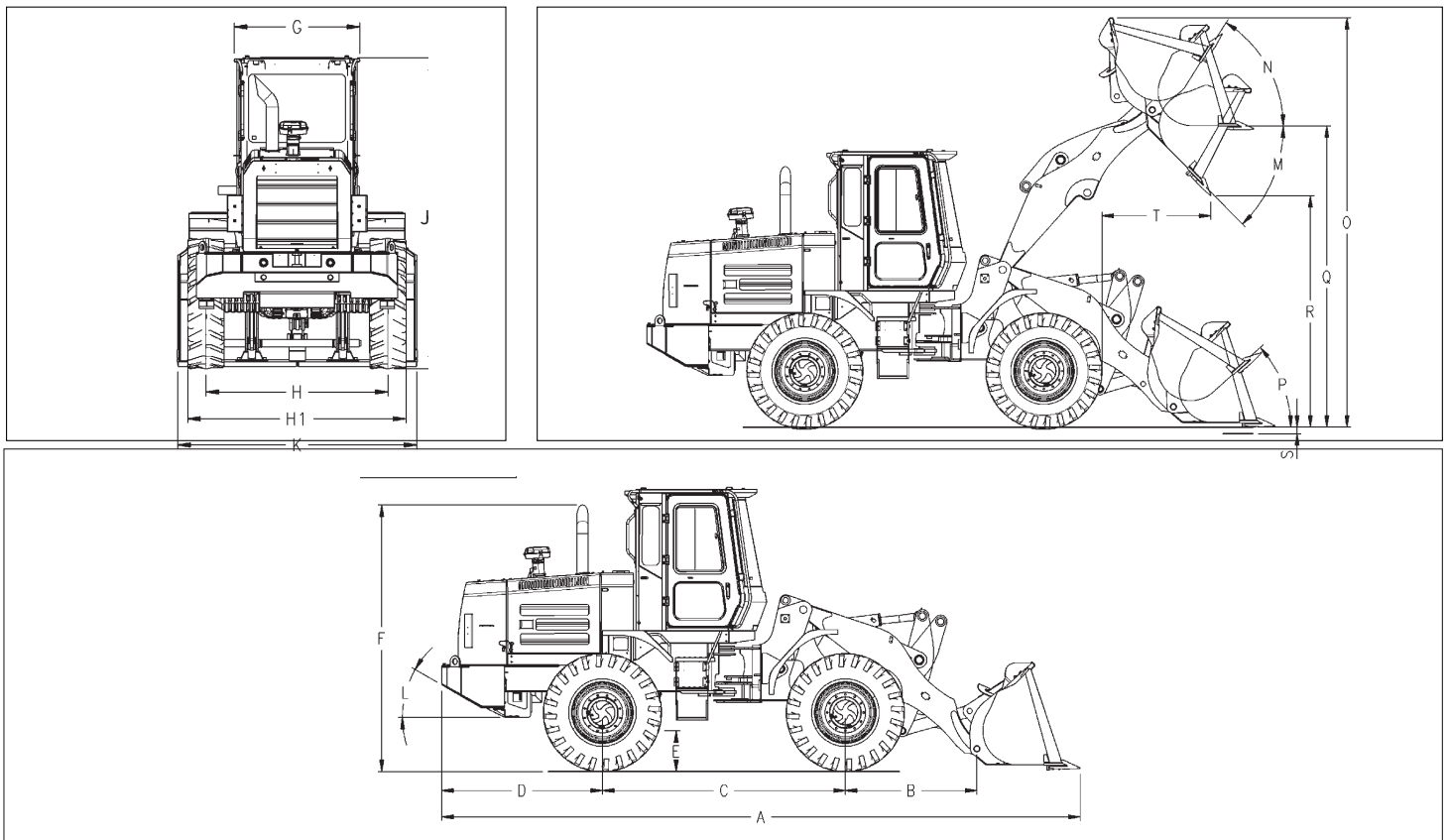
STANDARD FEATURES

- Adjustable Tilt Steering
- Seat Belt
- Arm Rest (Left and Right)
- Fan
- InSite Telematics
- Music System with FM, USB and AUX
- Front Mud Guard
- Rear Mud Guard
- Remote Lubrication System for Rear Axle
- Hand Rails (Left and Right)
- Battery Cut-off Switch
- 7 Inch LCD Monitor
- Electronic Accelerator Pedal
- Cabin Mounted on Vibration Isolator
- Water Bottle Holder
- Front Wiper
- Reverse Alarm
- Seat Belt Alert
- Parking Brake Alert
- DEF Regeneration Switch
- DEF Regeneration Inhibitor Switch
- Emergency Stop Switch
- Parking Brake Electronic Interlock

OPTIONAL FEATURES

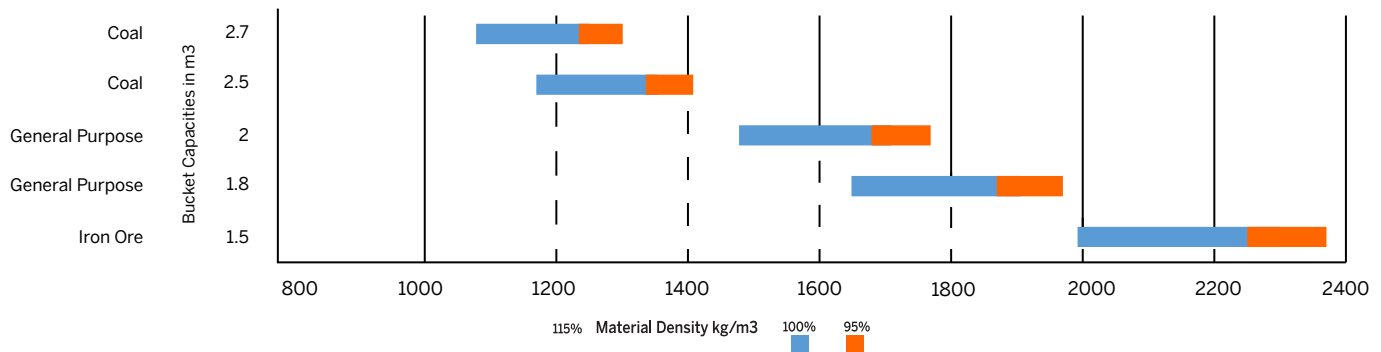
- Automatic Centralized Lubrication System
- Auto Fire Detection and Suppression System
- Beacon Light
- Side Dump Bucket
- Rear View Camera
- 3 Piece Rim
- Air Conditioning
- Front Guard

STATIC DIMENSIONS



*All dimensions are in mm

BUCKET SELECTION CHART



Particulars		STD Bucket 1.8 m ³ (BOT)	HD Bucket 1.5 m ³ (BOT)	Bucket 2.0 m ³ (BOT)	Coal Bucket 2.5 m ³ (BOT/BOCE)	Bucket 2.7 m ³ (BOT/BOCE)
A . Overall length with bucket	mm	7,200	7,101	7,255	7,418	7,445
B . Front axle to pivot pin	mm	1,534	1,534	1,534	1,534	1,534
C . Wheel base	mm	2,840	2,840	2,840	2,840	2,840
D . Rear axle to counter weight	mm	1,879	1,879	1,879	1,879	1,879
E . Minimum ground clearance	mm	479	479	479	479	479
F . Height over exhaust	mm	3,110	3,110	3,110	3,110	3,110
G . Width over cab	mm	1,335	1,335	1,335	1,335	1,335
H1 . Width over tyres	mm	2,325	2,325	2,325	2,325	2,325
H . Wheel tread	mm	1,940	1,940	1,940	1,940	1,940
J . Height over cab	mm	3,293	3,293	3,293	3,293	3,293
K . Bucket width	mm	2,560	2,572	2,560	2,560	2,560
L . Departure angle	deg	30°	30°	30°	30°	30°
M . Dump angle max	deg	45°	45°	45°	45°	45°
N . Roll back angle at full height	deg	58°	58°	58°	58°	58°
O . Max operating height	mm	4,768	4,674	4,876	4,976	5,002
P . Roll back at ground level	mm	42°	42°	42°	42°	42°
Q . Load over height	mm	3,573	3,573	3,573	3,573	3,573
R . Dump height (45° dump)	mm	2,792	2,858	2,732	2,635	2,612
S . Dig depth	mm	79	79	79	79	79
T . Reach at dump height	mm	1,153	1,077	1,287	1,366	1,384

* Bolt on Teeth (BOT) and Bolt-on Cutting Edge (BOCE)

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OUR RANGE OF PRODUCTS



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.

THOM/TL340HPRMK/12P/CM/AR023