



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 - 11080 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 it's competitors because of its superior hydrostatic technology.



KEY BENEFITS

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

Hydrostatic Technology



Power Optimization



Comfort and Safety



Telematics

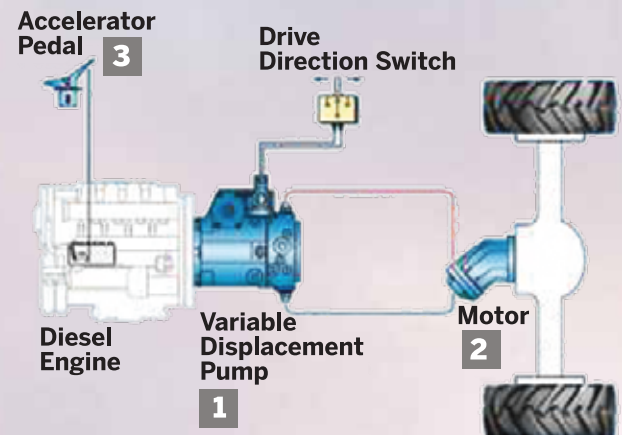


Ease Of Maintenance



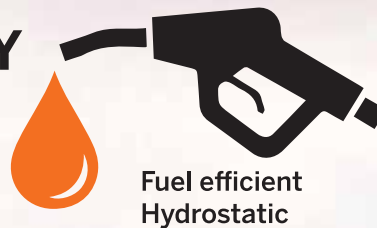
HYDROSTATIC TECHNOLOGY

- ▶ **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** Increase in engine rpm by pushing down the accelerator results in an increase in hydraulic flow which increases speed.



HIGH FUEL EFFICIENCY

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



AUTO BRAKING SYSTEM

When the accelerator is released, the hydrostatic system comes to halt, which aids in automatic braking.

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 QSF 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 the latest variable geometry turbocharger.
- ▶ Provides increased performance at low engine speed for improved cycle times.
- ▶ Single module After Treatment Device (ATD) with integrated silencer. ATD consists of DOC, Dosing module and SCR system.



WORK MODES

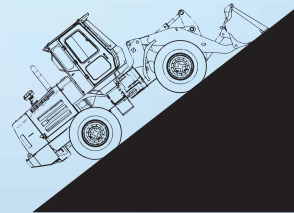
Choose from two work modes based on the application, to ensure best possible results.

- ▶ 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.
- ▶ The torque converter provides closer ratios for better acceleration, hill climbing and performance.



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.



Operator visibility

Side mirrors and rear view camera offers 360 degree view.



Machine control

All switches and auxiliary controls are within easy reach.



Music system

With FM radio and USB port.



Ease of operations

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



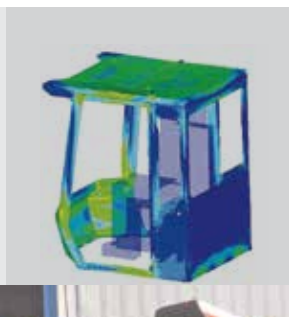
Machine console

Improved multi-color monitor which provides information on fuel level, urea level, speed etc.



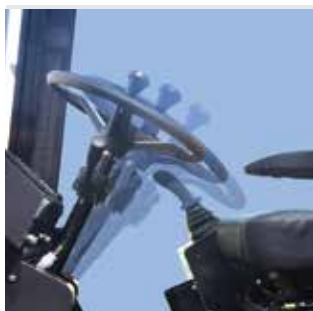
Air conditioner

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



Improved FOPS Level 1 cabin

For operator's safety.



Adjustable steering column

For customized working positions.



Safety

Front grill is a standard offering for improved safety during operations.



Spacious Cabin

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.
- ▶▶ After-market fitment of central lubrication system is available. Factory fitted remote lubrication is given for rear axle mounting greasing.



SUPPORT CHAIN

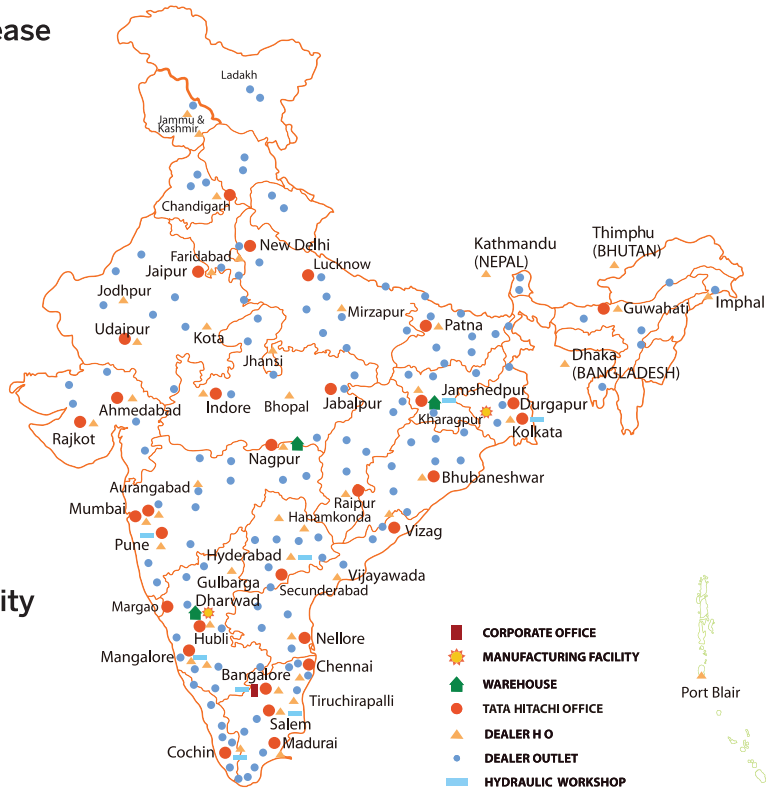
SERVICE SUPPORT

- ▶ 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.



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 Levels
- 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 @ 2200 RPM
 Max Torque 500 Nm @ 1500 RPM
 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 13.42 km/hr
 Speed Selector Range II 0 to 34.62 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/cm²

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.

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 250 Bar

HYDRAULIC CYCLE TIME (IN SECONDS)

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

SERVICE REFILL CAPACITIES

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

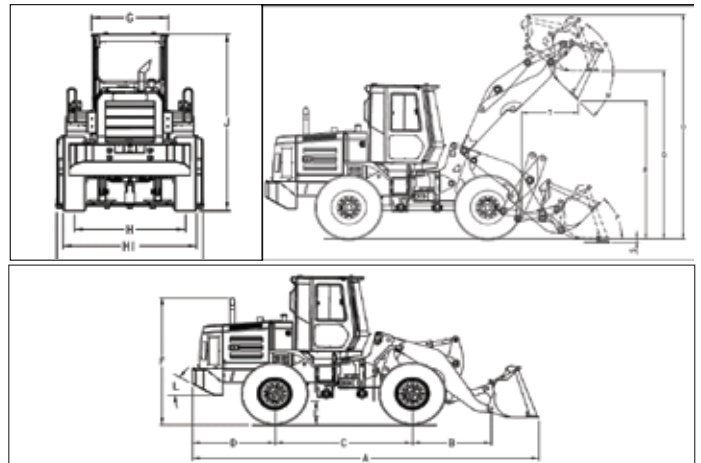
OPERATING DATA

Rated payload 3,375 kg
 Breakout force 10,543 kgf
 Tipping load (straight) 8264 kg
 Tipping load (38° articulated) 7340 kg
 Operating weight 10980 - 11080 kg

Turning radius

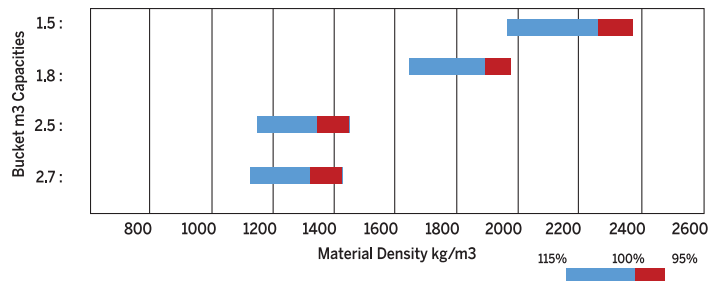
Inside wheel 5165 mm
 Outside bucket 6000 mm

STATIC DIMENSIONS



Particulars	STD Bucket 1.8 m ³	HD Bucket 1.5 m ³	Coal Bucket 2.5 m ³	Bucket 2.7 m ³
A. Overall length with bucket	7,200	7,101	7,418	7,445
B. Front axle to pivot pin	1,534	1,534	1,534	1,534
C. Wheel base	2,840	2,840	2,840	2,840
D. Rear axle to counter weight	1,879	1,879	1,879	1,879
E. Minimum ground clearance	479	479	479	479
F. Height over exhaust	3,110	3,110	3,110	3,110
G. Width over cab	1,335	1,335	1,335	1,335
H. Width over tyres	2,325	2,325	2,325	2,325
I. Wheel tread	1,940	1,940	1,940	1,940
J. Height over cab	3,293	3,293	3,293	3,293
K. Bucket width	2,560	2,572	2,560	2,560
L. Departure angle	30°	30°	30°	30°
M. Dump angle max	45°	45°	45°	45°
N. Roll back angle at full height	58°	58°	58°	58°
O. Max operating height	4,768	4,674	4,976	5,002
P. Roll back at ground level	47°	47°	47°	47°
Q. Load over height	3,573	3,573	3,573	3,573
R. Dump height (45° dump)	2,792	2,858	2,635	2,612
S. Dig depth	79	79	79	79
T. Reach at dump height	1,207	1,144	1,366	1,384

BUCKET SELECTION CHART



Tata Hitachi Construction Machinery Company Private Limited

Registered Office: Jubilee Building, 45 Museum Road, Bangalore, India 560025
 Telephone: +9180 66953301 / 02 / 03 / 04 / 05 | Email: info@tatahitachi.co.in

www.tatahitachi.co.in | Toll Free Number 1800 121 6633 | EXTENDED WARRANTY | CERTIFIED USED EQUIPMENT | MAXI-DOSE PREMIUM USED | VALUE

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.