



CHALO
DESH
BANAYE

TATA HITACHI

Reliable solutions

NEW

TL 340H

PRIME

YOUR MOST-EFFICIENT
BUSINESS PARTNER



CEV 5



Engine Gross Power
121 HP



Operating Weight
11,300 - 11,400 kg



Bucket Capacity
1.5 - 2.7 m³

SMART POWERFUL ECO-FRIENDLY

The CEV 5 compliant TL340H Prime is engineered for excellence, delivering unmatched performance, best-in-class fuel efficiency, and superior comfort. With advanced hydraulic technology, innovative power management, and robust telematics, the TL340H Prime Wheel Loader is designed to meet the demands of diverse applications and challenging terrains.



FUEL
SAVINGS UP TO

₹ 5,00,000*

PER YEAR



Hydrostatic Technology:

Smooth, responsive control in any terrain.



Power Optimization:

Powerful Engine for Ultimate Performance.



Enhanced Comfort and Safety:

Reduced vibrations and enhanced safety.



Simplified Maintenance:

Built for easy access and minimal downtime.

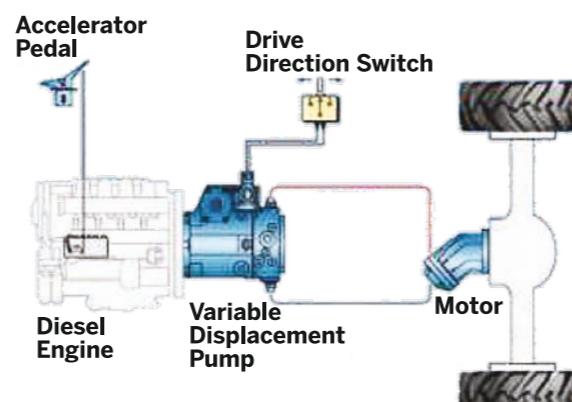


Smart Connectivity

Integrated real-time machine tracking.

HYDROSTATIC TECHNOLOGY

- The hydrostatic pump converts mechanical power from the engine into hydraulic flow.
- The hydraulic flow is directly converted back into mechanical power by the motors on the axle, eliminating the need for a transmission.
- Pressing the accelerator increases engine RPM, which boosts hydraulic flow and, in turn, increases speed.



High Fuel Efficiency

The self-locking feature engages when you release the accelerator, stopping movement and saving fuel.



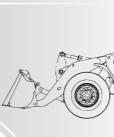
Powerful Tractive Force

The hydrostatic drive delivers high tractive force, ensuring effortless digging with no transmission loss.



High Breakout Force

The Z-bar linkage delivers high breakout force, ensuring smooth and efficient excavation.



Speed for Maximum Productivity

With no gears or clutches, the machine accelerates faster, while the short hydraulic cycle time keeps it ahead, completing tasks at a quicker pace.



POWER OPTIMIZATION

Powerful Engine for Ultimate Performance

- Eco-friendly Cummins QSB 4.5 four-cylinder engine that meets CEV5 emission standards.
- Delivers 20% higher power and torque.
- Equipped with the latest variable geometry wastegate turbocharger.
- Increases performance at low engine speeds and improves cycle time.
- Features a single-module After Treatment Device (ATD) with an integrated silencer, consisting of DOC, dosing module, DPF, and SCR system.
- 2 work mode options: high tractive effort and high travel speed.



CEV5

Efficient Hydraulics

- The TL340H Prime CEV5 has been upgraded with energy-efficient implement and travel device that work in harmony with the powerful engine and axles.



YOUR MOST-EFFICIENT BUSINESS PARTNER

KEY BENEFITS

- High Fuel Efficiency
- Swift Operation
- High Power



Hydrostatic Drive Technology

Provides superior efficiency and lower maintenance compared to hydro-dynamic systems.



Premium Features

ECO mode
Adjustable steering column
Double door



Enhanced fuel efficiency

CEV stage 5 complaint, with easy switch over to eco mode



Low Running Costs

Less fuel consumption during load and carry operations



Excellent Visibility

360° visibility from the cab, supported by a camera and monitor with recording capability.



Advanced Monitoring

User-friendly multi-functional display



High Tractive Effort

Hydrostatic drive and Limited slip differential



Superior Comfort

All new cabin with reclining seat and repositioned AC vents



Easy Maintenance Access

Easy-to-open wide engine covers



Advanced Safety Features

ROPS & FOPS Level II compliant cabin



User-friendly Design

Effortless single pilot operating lever and power steering system.

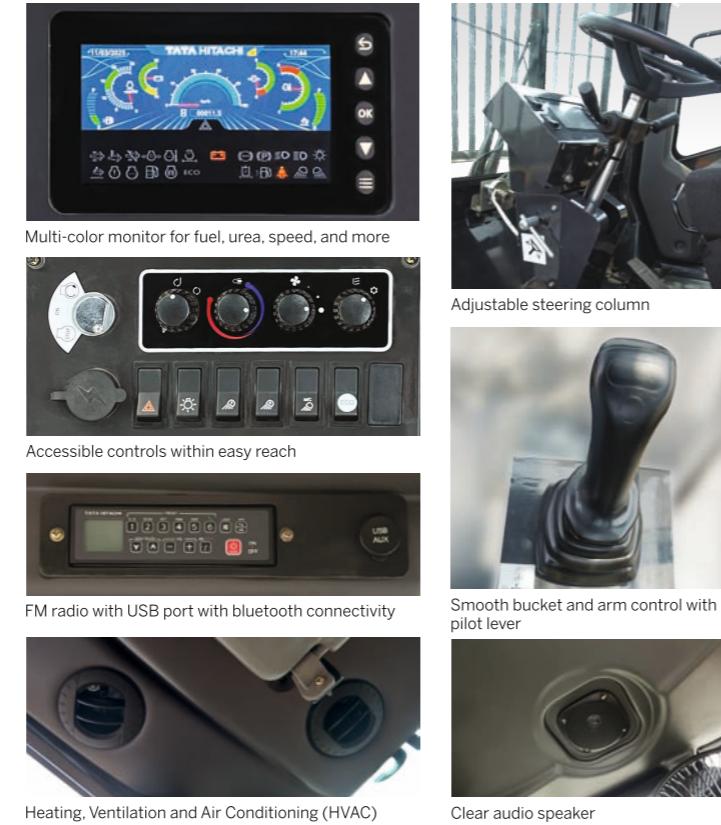
ENHANCED COMFORT AND SAFETY

The Tata Hitachi TL340H Prime features a unique approach to ergonomics, designed with the operator in mind. With a range of enhancements that elevate the user experience, you can expect best-in-class comfort, visibility, and overall ergonomics.

- ROPS/FOPS-II compliant cabin
- Visibility in compliance with ISO 5006
- Tinted cabin glass
- Optional heating system (HVAC)
- Top rear and top front AC vents
- Fresh air intake
- Upgraded side console
- Reclining seat
- EM-3 grade suspension seat
- Wiper with washer nozzle
- Rear view camera
- Multi-functional LCD display
- Bluetooth music system



EM3 Grade
Suspension
Seat



SIMPLIFIED MAINTENANCE

- Easy maintenance with long service intervals and quality components.
- Ground-level access to machine components.
- High-clearance engine hood and dual side panels for full engine access.
- Optional centralized lubrication system.
- Factory-fitted remote lubrication for rear axle mounting.
- Single module ATD system for ease of maintenance.
- Increased DEF tank capacity - 60L.



Ground-level access to machine

Change Intervals

Engine oil filter	1000 Hours
Fuel filter	1000 Hours
Water separator filter	1000 Hours
Supply module filter	2000 Hours
DEF filter	2000 Hours
Hydraulic oil	4500 Hours
Engine oil	1000 Hours
Coolant (50:50)	4000 Hours



Side covers for easy access to batteries

SMART CONNECTIVITY



	Ability to track Machine Maintenance Service due date		Fuel Level		Fleet Management		4G Telematics Device		Better Connectivity
	Overall Fleet Summary in Graphical Widgets (Dashboard)		Asset Operation		Location, Geo Fencing		Asset Utilisation		Accessible on Web and App

SUPPORT SOLUTIONS

- Widespread dealer network for easy availability of spare parts
- Field diagnostic vehicle and mobile workshop for quicker after-sales support
- Extended service intervals for reduced maintenance cost



SPECIFICATIONS

ENGINE

Engine model name	Cummins B4.5
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	CEV 5
Batteries	2 X 12V
Bore x Stroke	107x124
Piston Displacement	4.5L
Air Cleaner	Two element dry type with restriction indicator
After Treatment	DOC+DPF+SCR system

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 & 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-IV, however for digital display monitor, as per IS-11827, display speed can vary from actual speed to [Actual speed +(0.1 x actual 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

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

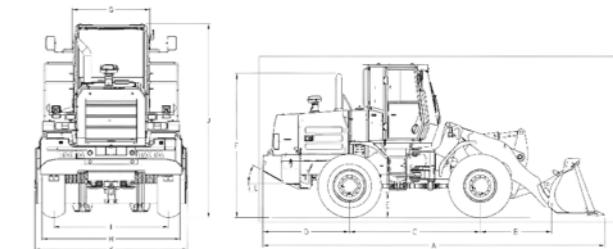
SERVICE REFILL CAPACITIES

Fuel tank	165 L
Engine coolant	22 L
Engine oil	17 L
Front axle	17 L
Rear axle	17.5 L
Hydraulic tank	130 L
DEF Tank	60 L

OPERATING DATA

Rated payload	3,375 kg
Breakout force	10,543 kgf
Tipping load (straight)	8,264 kg
Tipping load (38° articulated)	7,340 kg
Operating weight	11,400 kg

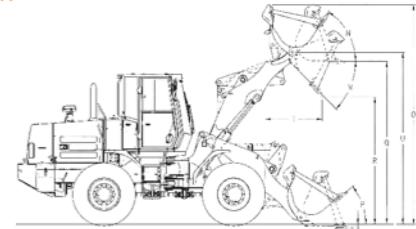
STATIC DIMENSIONS



Particulars	HD Bucket 1.5 m ³ (BOT)	GP Bucket 1.8 m ³ (BOT)	GP Bucket 2.0 m ³ (BOT)	Coal Bucket 2.5 m ³ (BOT/BOCE)	LM Bucket 2.7 m ³ (BOCE)
A Overall length with std. bucket	7101	7440	7255	7418	7445
B Front Axle to pivot pin	1534	1534	1534	1534	1534
C Wheel base	2840	2840	2840	2840	2840
D Rear axle to counter weight	1885	1885	1885	1885	1885
E Min. ground clearance	479	479	479	479	479
F Height over exhaust	3110	3110	3110	3110	3110
G Width over cab	1305	1305	1305	1305	1305
H Width over tyres	2325	2325	2325	2325	2325
I Wheel tread	1940	1940	1940	1940	1940
J Height over cab	3278	3278	3278	3278	3278
K Bucket width	2572	2560	2560	2560	2560
L Departure angle	30°	30°	30°	30°	30°

All dimensions are in mm

WORKING RANGES



Particulars	HD Bucket 1.5 m ³ (BOT)	GP Bucket 1.8 m ³ (BOT)	GP Bucket 2.0 m ³ (BOT)	Coal Bucket 2.5 m ³ (BOT/BOCE)	LM Bucket 2.7 m ³ (BOCE)
M Dump angle Max	45°	45°	45°	45°	45°
N Roll back angle at full height	58°	58°	58°	58°	58°
O Max operating height	4674	4768	4876	4976	5002
P Roll back at ground level	42°	42°	42°	42°	42°
Q Load over height	3573	3573	3573	3573	3573
R Dump height (45° dump)	2858	2777	2732	2635	2612
S Dig depth	79	79	79	79	79
T Reach at dump height	1077	1250	1287	1366	1384
U Height of bucket hinge pin, fully raised	3751	3751	3751	3751	3751

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

All dimensions are in mm

BUCKET SELECTION CHART

STANDARD AND OPTIONAL EQUIPMENT

ENGINE		Rear lights in tail light cover (2)	●	Windshield washer front	●
Auto idle	●	Rear light on cab (2) [LED]	○	Windshield wiper front	●
Pre-cleaner	●	POWER TRAIN		MONITOR SYSTEM	
Air filter double elements	●	Differential	●	Gauge: Coolant temperature, fuel level, battery voltage	●
Cartridge-type engine oil filter	●	Front LSD (Limited Slip Differential)	●	Indicator lights: Low fuel level, high beam, parking brake, turn signals, work lights	●
Cartridge-type fuel pre filter	●	Remote lubrication system for rear axle	●	Indicator on multifunction monitor: Clock, DEF alarm indicator, DEF level gauge, hour meter, seat belt indicator, speedometer, tachometer	●
Cartridge-type fuel main filter	●	Forward/reverse lever	●	Warning lights: Air filter restriction, communication system error, discharge warning, engine oil low pressure, engine warning, overheat	●
Coolant reservoir sight gauge	●	ECO mode	●	MISCELLANEOUS	
DEF/AdBlue® tank inlet strainer	●	Dual work modes	●	Articulation lock bar	●
Engine auto shut-down control system	●	OPERATOR'S STATION		Auto Fire Detection and Suppression System (AFDSS)	○
Cold Start	○	Adjustable steering column	●	Auto Centralized Lubrication System (ACLS)	○
Fan guard	●	AM/FM radio with AUX and Bluetooth for digital audio player	●	Counterweight, built in	●
Standard fin pitch radiator	●	Air conditioner with single fresh air filter	●	Drawbar with locking pin	●
HYDRAULIC SYSTEM		Cabin heating (HVAC)	○	Fenders for 14x25 (Front & rear fenders with mud flaps)	●
Close loop system for travel	●	Fan	●	DEF regeneration switch	●
Open loop system for implement	●	Electronic accelerator pedal	●	Emergency stop switch	●
Hydraulic filter	●	Rear view camera & monitor with recording system	●	Front windshield guard	●
Reservoir sight gauge	●	Rear view mirrors		InSite Telematics	●
BRAKE SYSTEM		Outside(2)	●	3 Piece Rim	○
Inching feature	●	Retractable seat belt	●	Lift & tie down provision	●
Self-adjusting wet type disc brake Integrated in wheel hub on all 4 wheels	●	Double door	●	Battery cover with locking bracket	●
Solenoid actuated spring-applied/hydraulic-released parking brake	●	ROPS (ISO3471), FOPS (ISO3449): multi-plane isolation mounted for noise, vibration reduction	●	Lockable engine cover	●
Parking brake alert	●	Rubber floor mat	●	Lockable fuel refilling cap	●
Parking brake electronic interlock	●	Weight adjusted suspension seat: fabric, adjustable for weight- height, reclining angle, armrest	●	Rear licence plate bracket	●
TIRES		Steering system	●	Standard tool kit	●
14x25-20PR	●	Wheel steering	●	Dozer	○
ELECTRICAL SYSTEM		Storage	●	Side Dump Bucket	○
Backup alarm	●	Bottle holder	●		
Standard batteries (110A-700cc)	●	Sun visor	●		
Battery disconnect switch	●	Texture steering wheel with spinner knob	●		
LIGHTS		Tilted safety glass			
Brake & tail lights	●	Front windshield laminated	●		
Headlights	●	Others: tempered	●		
Beacon lamp	○				
Turn signal with hazard switch	●				
Work lights	●				
Front light on cab (2) [LED]	●				

● Standard
○ Optional

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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.