CHALO DESH BANAYE

TATA HITACHI

Reliable solutions

MOST FUEL EFFICIENT WHEEL LOADER

WHEEL LOADER
TL 340H

Gross Engine Power
99HP (74KW)

Operating Weight
10,720-10,800kg

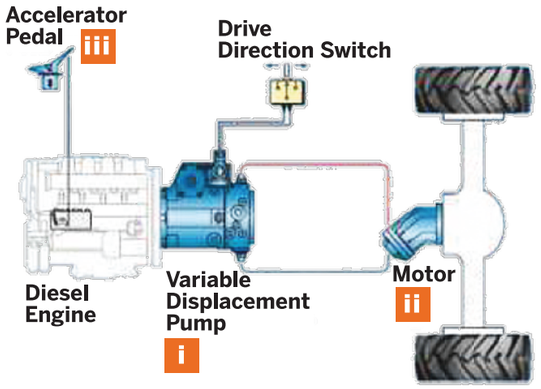
Bucket Capacity
1.5-2.7m³

HYDROSTATIC TECHNOLOGY HELPS IN REDUCING FUEL CONSUMPTION

i. The Hydraulic pump converts mechanical power from the engine into Hydraulic flow.

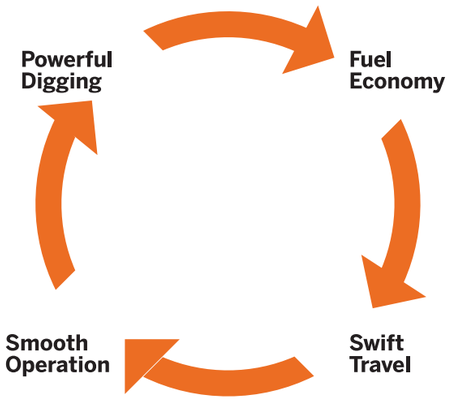
ii. The Hydraulic flow is directly converted back into mechanical power by motors on the axle, eliminating the need for a transmission.

iii. Increase in engine rpm by pushing down the accelerator results in an increase in Hydraulic flow which increases speed.



20% FUEL SAVINGS

Compared to any equivalent conventional loader



HIGH FUEL EFFICIENCY

The new TL340H is proven to be 20% more fuel efficient as compared to other loaders in the market. Superior hydrostatic technology not only saves fuel while operating the machine, but reduces the use of service brake. The self locking feature of the hydrostatic drive kicks in and stops the machine the moment you take your foot off the accelerator.

AVERAGE FUEL SAVINGS IN OPERATION**

1 HOUR	Rs. 100
1 DAY	Rs. 1,200
1 MONTH	Rs. 30,000
1 YEAR	Rs. 3,60,000
4 YEARS	Rs. 14,40,000

**Note - Savings calculated as per fuel price, and tend to change based on pricing.

FUEL EFFICIENT HYDROSTATIC

HIGH PRODUCTIVITY

Faster approach and retrieval of material from the pile

HIGH TRACTIVE EFFORT

The high tractive force on wheels due to the hydrostatic drive lets you dig into the pile with utmost ease and the Z bar linkage ensures you excavate out of the pile as smoothly as you dig.

EASE OF OPERATIONS

The Pilot operated combined lever lets the operator control the bucket and lifts the arm with ease. It also comes with an inching function in the Hydraulic braking system for the times when you need to be close and cautious.

AUTO BRAKING SYSTEM

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

SPEED ON YOUR SIDE

Being gearless and clutchless, it lets you accelerate faster and the short Hydraulic cycle time (lifting & lowering of bucket) ensures your machine retains the edge and finishes the task at a faster rate.

HIGHER TRACTIVE EFFORT

HIGHER TRAVEL SPEED

WORK MODES

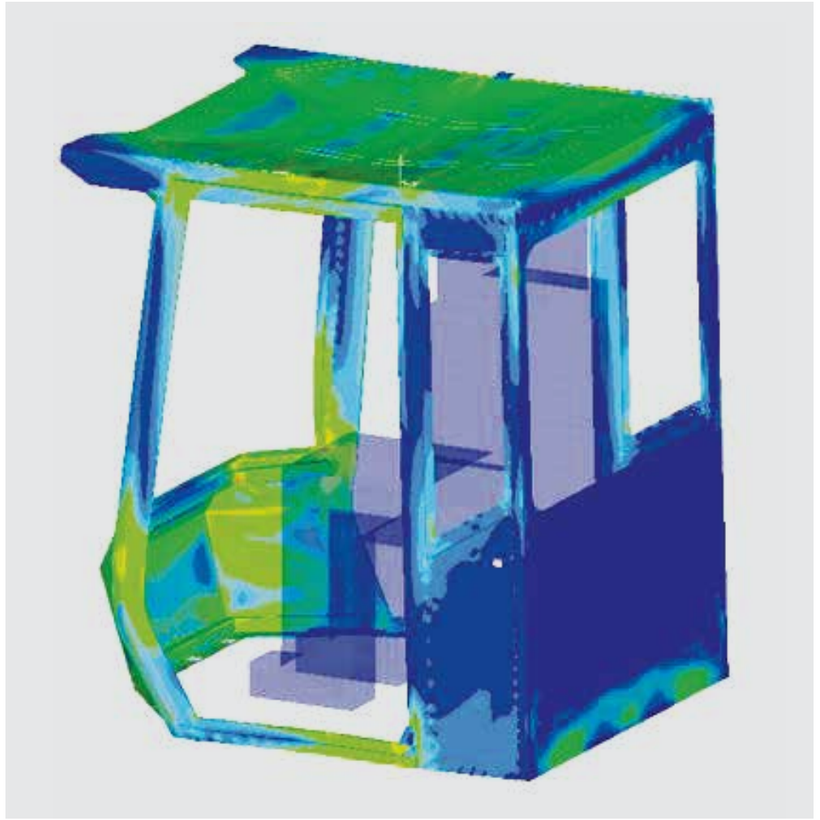
Customers can choose, based on the application, so that the loader provides best possible results.

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

OPERATOR COMFORT

OPERATOR VISIBILITY

Operator comfort is crucial for critical operations, which is why the new TL340H comes with a series of features in the cabin.



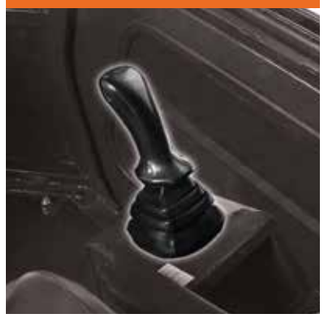
FOPS (LEVEL-1) CABIN

Improved operator safety with FOPS cabin

MACHINE CONSOLE

An improved machine console design.

PILOT LEVER



Pilot lever provided as standard, to improve operator comfort significantly and help in increasing productivity.

MACHINE CONTROL

Access to all controls next to the operator's right hand. For the operator's entertainment, a music system with FM radio and USB port is provided.

MINIMUM OPERATOR VIBRATION

Cabin mounted on the vibration mounts to reduce operator fatigue.

ADJUSTABLE STEERING COLUMN

Helps in operator comfort and to position them better.

EASE OF MAINTENANCE

Easy to replace straight profile glass panels.

The machine has been designed keeping in mind the need to access key components with ease. The high clearance engine hood and full access side panels on both sides of the engine compartment gives easy access to the engine, flywheel and fan.

Battery compartment in counterweight for easy access.

BE IN SYNC WITH TL 340H

inSite
INSIGHTS INTO YOUR JOB SITE

- Location, Geo Fencing
- Overall Fleet Summary in Graphical Widgets (Dashboard)
- Ability to Track the Machine Maintenance/ Service Due
- Fleet Management (Fleet)
- Fuel Levels
- Asset Utilization (Utilization)
- Asset Operation

KEY FEATURES OF INSITE

RELIABILITY

TL340H is equipped with engine and Hydraulics supplied by well established and world leading suppliers to keep your worries at bay and help you focus better on your work.

ENGINE

The axle gets a reliability boost with increased number of planetary gears and inclusion of TD relay system. The reliable Hydraulic braking system and rugged all metal cabin interiors ensures that your machine stays reliable always.

AXLE

PROTECTION AGAINST REAR COLLISIONS

SAFETY DURING MAINTENANCE

SAFETY

SPECIFICATIONS

ENGINE

Model: ..... Cummins B3.9 -99C 32
Type: ..... 4-cylinder water-cooled
Aspiration: ..... Turbocharger and charge air cooled
No. of cylinders: 4
Max. power: ..... 74KW @2,200 rpm
Max torque: ..... 410Nm @ 1350
Emission norm: ..... BS-III
Batteries: ..... 2 X 12V

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
Speed selector range I ..... 0 to 13.42 kmph
Speed selector range II..... 0 to 34.62 kmph

AXLE

Drive system ..... Four wheel drive system
Front ..... Fixed to front frame
Rear ..... Centre pivot on main frame (oscillating type)
Rear axle oscillation angle ..... Total 24° (+12°, -12°)
Differential:
Front axle: ..... Self-locking limited slip type differential
Rear axle: ..... Standard differential

TYRES

Standard ..... Four, 14.00 x 25-20 PR
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 39°; Total 78°
Relief pressure ..... 175 bar

HYDRAULIC SYSTEM

Arm and bucket are controlled by pilot operated lever
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 secs):

Lift arm rise 5.2
Lift arm lower 3.1
Bucket dump 1.2
Total 9.5

SERVICE REFILL CAPACITIES

Fuel tank ..... 150 L
Engine coolant ..... 22 L
Engine oil ..... 9 L
Front axle ..... 17 L
Rear axle ..... 17.5 L
Hydraulic tank ..... 130 L
Hydraulic system ..... 180 L

The specifications are subject to change without 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 way vary with site and operating conditions encountered.

Tata Hitachi Construction Machinery Company Private Limited
Registered Office: Jubilee Building, 45 Museum Road, Bangalore 560 025, India.
Telephone: +91 80 66953301/02/03/04/05 Fax: +91 80 6695 3309/2532 5792
Toll Free: 1800 121 6633 | Email: info@tatahitachi.co.in

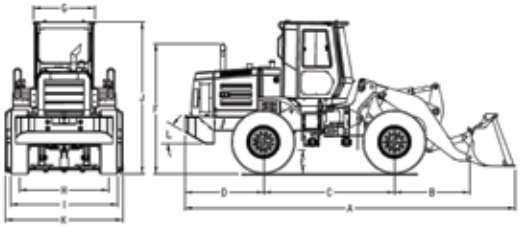
OPERATING DATA

Rated payload ..... 3,375 kg
Breakout force ..... 10,543 kg
Tipping load (straight) ..... 8,260 kg
Tipping load (40° articulated) ..... 7,340 kg
Operating weight ..... 10,760 kg

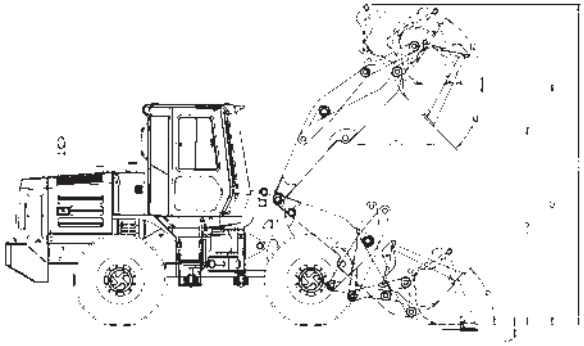
Turning radius

Outside wheel 5,345mm
Outside bucket 5,830mm

STATIC DIMENSIONS

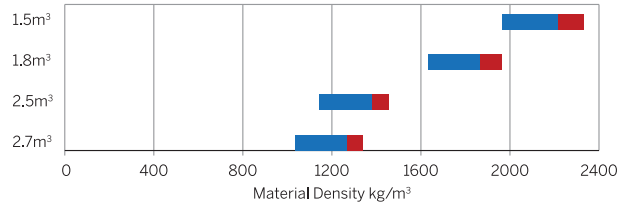


Particulars	STD Bucket 1.8 cu.m	HD Bucket 1.5 cu.m	Coal Bucket 2.5 cu.m	Coal Bucket 2.7 cu.m
A. Overall length with standard bucket	7,050	6,950	7,267	7,387
B. Front axle to pivot pin	1,534	1,534	1,534	1,534
C. Wheel base	2,840	2,840	2,840	2,840
D. Rear axle to counter weight	1,712	1,712	1,712	1,712
E. Minimum ground clearance	518	518	518	518
F. Height over exhaust	2,760	2,760	1,265	2,760
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	1,933	1,933	1,933	1,933
J. Height over cab	3,280	3,280	3,280	3,280
K. Bucket width	2,560	2,572	2,560	2,560
L. Departure angle	30°	30°	30°	30°



Particulars	STD Bucket 1.8 cu.m	HD Bucket 1.5 cu.m	Coal Bucket 2.5 cu.m	Coal Bucket 2.7 cu.m
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	5,009	5,036
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)	2,935	3,008	2,754	2,735
S. Dig depth	79	79	79	79
T. Reach at dump height	1,153	1,077	1,335	1,349

BUCKET SELECTION CHART



Authorised Dealer

THCM/TL340H/12P/E/FEB/2019