

MACHINES THAT PAY YOU BACK

THE GAME
CHANGING
WHEEL
LOADER

WHEEL LOADER TL 340H

Gross Engine Power
99HP (74KW)

Operating Weight
10720-10800kg

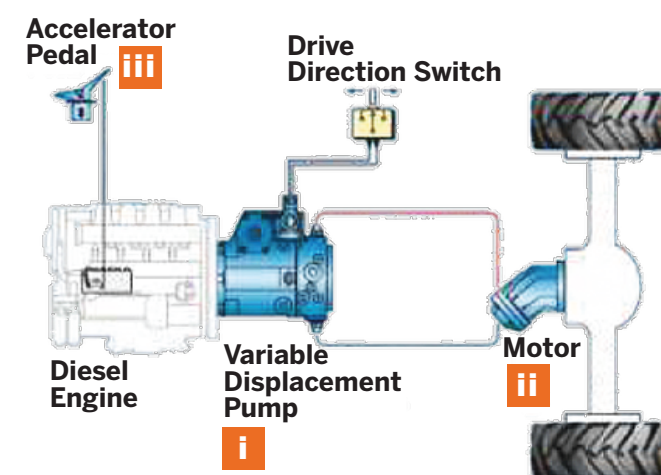
Bucket Capacity
1.5-2.5m³





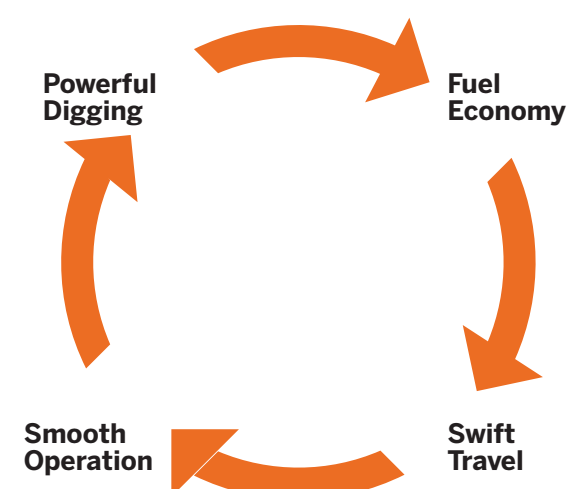
HYDROSTATIC TECHNOLOGY HELPS IN REDUCING FUEL CONSUMPTION

- The hydraulic pump converts mechanical power from the engine into Hydraulic flow.
- The hydraulic flow is directly converted back into mechanical power by motors on the axle, eliminating the need for a transmission.
- 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

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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.



FUEL EFFICIENT HYDROSTATIC



Faster approach and retrieval of material from the pile

EASILY DIGS INTO THE PILE



EASILY EXCAVATES OUT OF THE PILE



DIG AND EXCAVATE WITH EASE

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 lift 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.





OPERATOR COMFORT

ERGONOMIC DESIGN

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



OPERATOR VISIBILITY

Improved operator visibility for both front and rear of the machine.



MACHINE CONSOLE

An improved machine console design.



PILOT LEVER



MACHINE CONTROL

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



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.



ADJUSTABLE STEERING COLUMN

Helps in operator comfort and to position them better.

MINIMUM OPERATOR VIBRATION

Cabin mounted on the vibration mounts to reduce operator fatigue.





GLASS PANEL

Easy to replace straight
profile glass panels.



BATTERY COMPARTMENT

Battery compartment
in counterweight for
easy access.



EASE OF MAINTENANCE

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.



HOOD CUTOUT TO TOP-UP ENGINE COOLANT



The new design with access cutout in the front frame provides
easy access to hydraulics. Also hydraulic pressure measurement
ports are conveniently located for hydraulic troubleshooting.



EASY ACCESS

Fully accessible special cut
out for easy radiator and oil
cooler cleaning.





RELIABILITY

The 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



SAFETY



PROTECTION AGAINST REAR COLLISIONS



SAFETY DURING MAINTENANCE

SAFETY WHILE STARTING



A lever used to set machine travel direction (forward or reverse). Machine will only start if it is in neutral position.



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 @2200 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 @ 2200 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

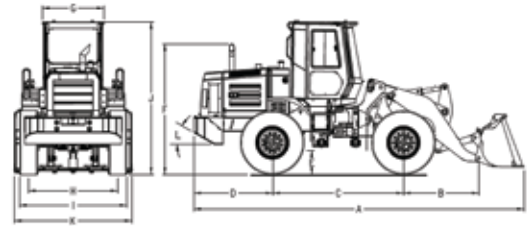
SERVICE REFILL CAPACITIES

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

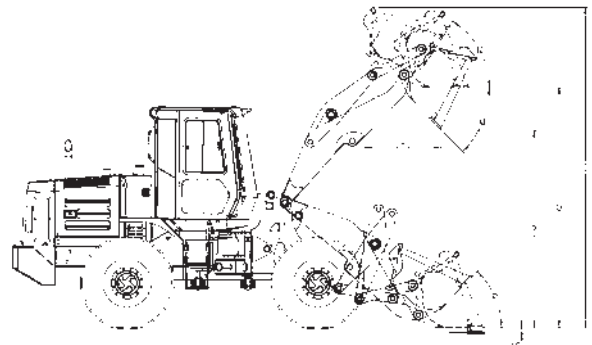
OPERATING DATA

Rated payload 3375 kg
 Breakout Force 10543 kg
 Tipping Load (Straight) 8260 kg
 Tipping Load (40° Articulated) 7340 kg
 Operating Weight 10760 kg

STATIC DIMENSIONS

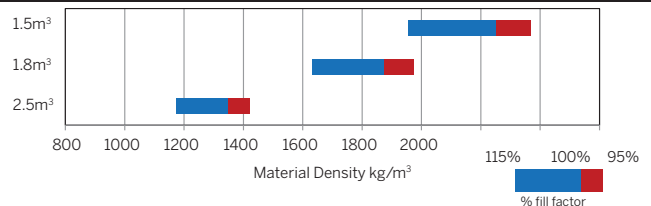


Particulars	STD Bucket 1.8 cu.m	HD Bucket 1.5 cu.m	Coal Bucket 2.5 cu.m
A. Overall length with standard bucket	7050	6950	7267
B. Front Axle to pivot pin	1534	1534	1534
C. Wheel Base	2840	2840	2840
D. Rear Axle to Counter weight	1712	1712	1712
E. Minimum Ground Clearance	518	518	518
F. Height over exhaust	2760	2760	1265
G. Width over cab	1335	1335	1335
H. Width over Tyres	2325	2325	2325
I. Wheel Tread	1933	1933	1933
J. Height over cab	3280	3280	3280
K. Bucket Width	2560	2572	2560
L. Departure Angle	30°	30°	30°



Particulars	STD Bucket 1.8 cu.m	HD Bucket 1.5 cu.m	Coal Bucket 2.5 cu.m
M. Dump angle Max	45°	45°	45°
N. Roll back angle at full height	58°	58°	58°
O. Max Operating Height	4768	4674	5009
P. Roll back at ground level	47°	47°	47°
Q. Load over height	3573	3573	3573
R. Dump height (45° dump)	2935	3008	2754
S. Dig Depth	79	79	79
T. Reach at dump height	1153	1077	1335

BUCKET SELECTION CHART



Authorised Dealer

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 may vary with site and operating conditions encountered.

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