

EH series

TATA HITACHI

Reliable solutions

EH600



Best Fuel Efficiency in its Class



DUMP TRUCK

Maximum Payload	: 35.3 US tons
Maximum Payload With Standard Lines	: 33 US tons
Maximum GMW	: 58490 kg
Engine	: Cummins NTA 14C Rated output 289 kW (400 HP)

SPECIFICATIONS

ENGINE

Model.....	Cummins NTA 14C
Type.....	4 cycle high torque diesel
Aspiration.....	Turbocharged
Gross power.....	298 kW (400 HP) @ 2100 rpm (SAE 1995 @ 2100 rpm)
Net power.....	283 kW (380 HP) (ISO 9249 @ 2100 rpm)
No. of cylinders.....	6
Bore & Stroke.....	140X152 (mm)
Displacement.....	14 lts
Max. torque.....	1857 Nm (SAE 1995 @ 1400 rpm)
Starting.....	Electric

TRANSMISSION

Allison CLT 754. Automatic planetary type transmission.
Torque converter: Allison TC498. Torque converter integral with transmission with lock-up on gears (except reverse).

Range	Ratio	Km/h*
1	5.18:1	11.0
2	3.19:1	18.0
3	2.02:1	28.0
4	1.38:1	41.0
5	1.00:1	60.0
R	4.72:1	12.0

Power take-off:
 Engine driven, top-mounted PTO.

*Based on Ceat bias ply 18.00 x 25-32PR-E3 tyres

HYDRAULIC SYSTEM

Hoist: One three stage telescopic cylinder, two stages are double-acting. A hoist into the cylinder.

Hydraulic system: Load-sensing hydrostatic system. One engine driven piston pump mounted on the transmission's power take-off. Common pumps and reservoir for steering and hoist. Steering is always given priority over the hoist system.

Hoist

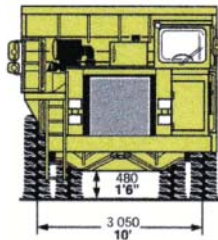
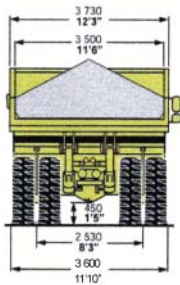
Raise time with load.....	12 secs
Lower time.....	12 secs

Hydraulic system

Relief pressure:.....	19 Mpa
Flow.....	206 lpm (@ 2100 rpm engine speed)
Brake cooling pump flow.....	440 lpm

TYRES

Standard (Front and Rear)	Rim Width
Bias Ply 18.00-25(32) E3	330 mm



BODY CAPACITY

Load volume complies with SAE J / ISO 6483	
Struck volume (SAE).....	14.6 cu.m.
Heaped volume 2:1 (SAE).....	21.0 cu.m.
Heaped volume 36:1 (SAE).....	18.9 cu.m.

BRAKE SYSTEM

Brake system complies with SAE/ISO 3450.
 All air-over-oil actuated braking system providing precise braking control and quick system response.

Service:

All air-over-oil actuated front disc brakes and rear oil cooled wet disc.

Front axle - Dry disc

Disc diameter each (2 discs/axle).....	48.3 cm / 19 in
Brake surface area per axle.....	4328 cm ² / 671 in ²
Brake pressure (Max.).....	18630 Kpa / 2702 psi

Rear axle-oil cooled wet disc

Brake surface area per axle.....	34768 cm ² / 5378 in ²
Brake pressure (Max.).....	7290 Kpa / 1057 psi

Secondary

Two independent circuits within service brake system provide back-up stopping capability. System is manually applied to stop machine within prescribed braking distance.

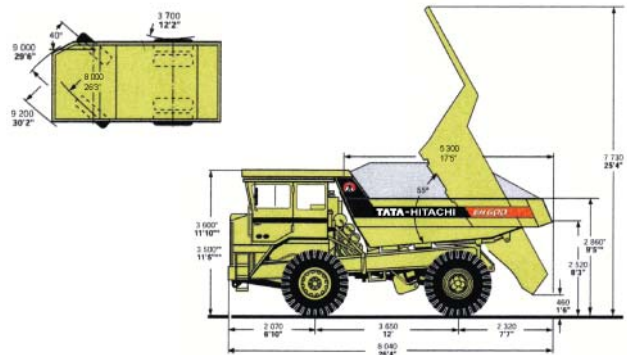
Parking

Brake drum mounted on transmission output flange. controlled by a toggle switch on the dash. Automatically applied if brake air pressure is lost
 Size (Diameter).....305 mm/12 in

SERVICE REFILL CAPACITIES

Service: All vital parts such as engine, transmission, differential and hub reduction are easily accessible for service and maintenance.

Crankcase (including filters).....	37.0 L
at change.....	35.0 L
Transmission (including filters).....	40.0 L
at change.....	35.0 L
Rear axle, total.....	60.0 L
Cooling system.....	90.0 L
Fuel tank.....	550.0 L
Hydraulic tank.....	195.0 L
Hydraulic system (including tank).....	260.0 L



The 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

Tata Hitachi Construction Machinery Company Limited

Registered Office : Jubilee Building 45 Museum Road Bangalore 560 025 India
 Telephone: +91 80 66953301 02 03 04 05 Fax: +91 80 66953309 25325792

Toll Free: 1800 3456 500



Authorised Dealer