

# EH 600



***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

Allision CLT 754. Automatic planetary type transmission.  
**Torque converter:** Allision 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.

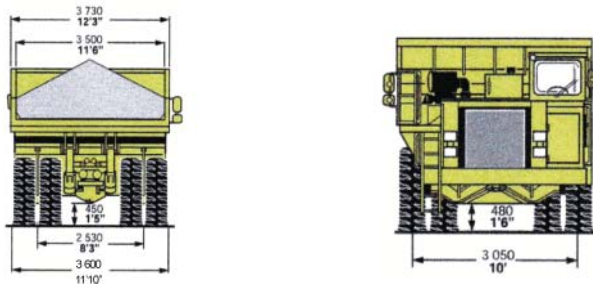
**Hydraulic system:** Load-sensing hydrostatic system. One engine driven piston pump mounted on the transmission's power take-off. Common pumps and reservoir for steering and hoist. Steering is always given priority over the hoist system.

**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<sup>2</sup> / 671 in<sup>2</sup>  
 Brake pressure (Max.).....18630 Kpa / 2702 psi

### Rear axle-oil cooled wet disc

Brake surface area per axle.....34768 cm<sup>2</sup> / 5378 in<sup>2</sup>  
 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.

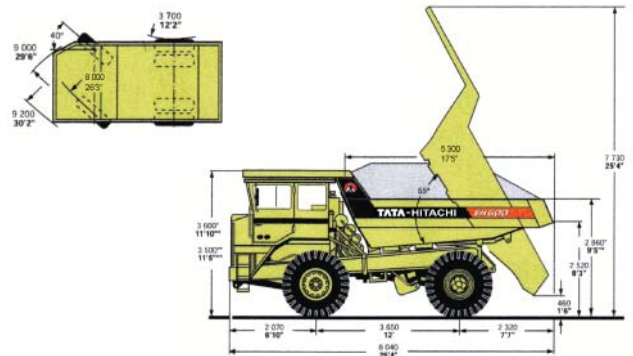
### Parking

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

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