

TH 86 L

LOADER

- Gross Power : 86 PS @ 2200 rpm
- Bucket Capacity : 1.00 - 1.20 m³

TATA HITACHI

Reliable solutions



Approved by ARAI for latest CMVR Rules
Powered by BS III compliant TATA 497 TC IC Engine

SPECIFICATIONS

ENGINE

Make & Model.....TATA 497 TCIC
 Type.....Turbo Charged, Inter Cooled 4 Cylinder Diesel Engine
 Gross Power.....86 PS @ 2200 rpm
 Max.Torque.....31 kg-m
 Battery.....12 V-130 AH

HYDRAULIC SYSTEM

Efficient hydraulic system with gear type TANDEM heavy duty pump

	Flow @ 2200 rpm	Pressure
Loader	106 lpm	210 bar

Filter

Return oil, spin-on type, replaceable, 10 micron element.

TRANSMISSION

TH 86is equipped with fully Powershift transmission sourced from the internationally renowned ZF, with heavy duty clutch packs for smooth and easy click of the knob gear shift. The integral Torque converter has stall ratio of 1:2.63 which increases the tractive effort, making dozing operation easy in tough conditions.

AXLES

Front Axle

The rigid non-powered front axle for two wheel drive version can float 18° to take care of unevenness of ground.

Rear Axle

Rear ZF Multitrac Axle is a heavy duty, long-life axle. High brake torque is assured by internal wet multi-disc brakes that are self adjusting and require little maintenance. Parking Brake is spring applied hydraulically released which is enclosed in the axle housing and provides full protection from damage, dirt and corrosion.

*Also available 4x4 option

TRAVEL SPEEDS

Travel speeds with standard rear tyres. (16.9-28, 12 PR)

	Forward	Reverse
Gear 1	6 kmph	7 kmph
Gear 2	10 kmph	13 kmph
Gear 3	21 kmph	21 kmph
Gear 4	36 kmph	

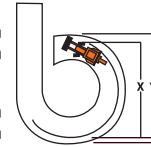
TURNING RADIUS 2WD

X Curb turning circle

With brakes.....7868 mm
 Without brakes.....8808 mm

Y Bucket clearance circle

With brakes.....9560 mm
 Without brakes.....10500 mm



REFILL CAPACITIES

Fuel tank (with ground level fueling).....136.0 ltr
 Engine coolant.....21.9 ltr
 Engine oil including filter.....9.0 ltr
 Transmission.....13.0 ltr
 Hydraulic system.....91.0 ltr
 Rear axle.....16.0 ltr
 Front Wheel (only for 4WD).....8.0 ltr

BUCKETS

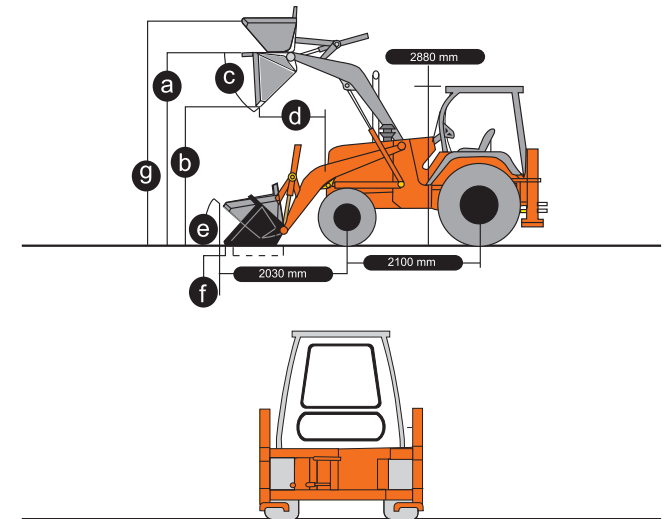
Loader End	Width	Capacity	Weight
Tilt dump bucket	2346 mm	1.00 m ³	555 kg
Bottom dump (6-in-1) bucket	2350 mm	1.00 m ³	640 kg

TYRES

Front Tyres (standard).....9-16, 16 PR
 (optional).....12.5-8, 12 PR

Rear Tyres (standard)...Industrial tyres.....16.9-28, 12 PR
 (optional)...Heavy duty tyres.....14-25, 20 PR

DIMENSION



Loader Performance	Bucket Types	
	Tilt Dump Bucket	Bottom Dump (6-in-1) Bucket
Break force	4140 kgf	3765 kgf
Lifting capacity, full height	2790 kg	2631 kg
a. Height to bucket hinge pin, maximum	3400 mm	3400 mm
b. Dump clearance, bucket at 45°	2640 mm	2620 mm
c. Bucket dump angle, maximum	45°	45°
d. Reach at full height, bucket at 45°	765 mm	818 mm
e. Rollback angle at ground level	40°	40°
f. Digging depth below ground, bucket level	206 mm	185 mm
g. Max. operating height	3820 mm	3820 mm

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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