

TATA HITACHI

Reliable solutions

TWL 3034

Efficient.



WHEEL LOADER

Gross Power : 101.5 PS @ 2300 rpm
Operating Weight : 10720 kg - 10800 kg
Bucket Capacity : 1.5 - 2.5 m³

SPECIFICATIONS

ENGINE

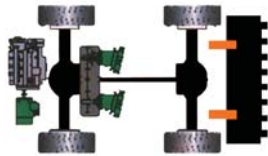
Proven, reliable and fuel efficient engine. BSII Compliant



Engine.....TATA 497 TCIC
 Power output.....101.5 PS @ 2300 rpm
 Max. Torque.....370 Nm @ 1300 - 1700 rpm
 Operating Voltage.....24 V
 Battery.....2 Nos.

TRAVEL DRIVE

Stepless hydrostatic travel drive



Design

Swash plate type variable flow pump and two variable axial piston motors in closed loop circuit. Direction of travel is reversed by changing the flow-direction of the variable displacement pump.

Filter Fineness

12 micron

Control

Steplessly control tractive forces through travel pedal. The FNR lever is used to control forward and reverse travel and gear selector to select the travel stages range.

TRAVEL SPEED RANGE

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

TYRES

Front and Rear Tyres

Standard.....Four, 14.00 x 25-20 PR

AXLES

Front.....DANA Planetary drive type axle fixed rigid to front frame



Rear.....DANA Planetary drive axle, fixed rigid to rear frame by an oscillating pin.

Total rear axle oscillation.....24 degrees

Final drive.....Planetary reduction in the wheel hub. Self-locking limited slip-type differential.

STEERING SYSTEM

Type.....Hydrostatic power steering

Articulation angle.....39° (to each side)

Max. pressure.....180 bar

BRAKES

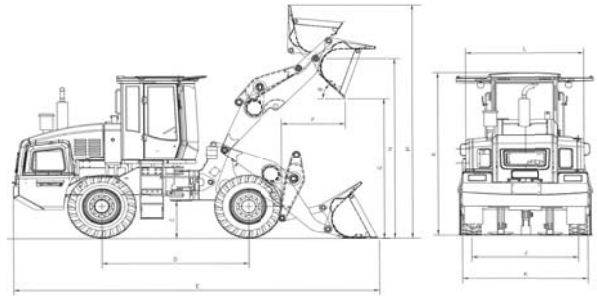
Service Brake

Self locking of the hydrostatic travel drive and additional multi wet disc brake integrated in wheel hub acts on all 4 wheels. Self adjusting type wet disc brakes. Semi-independent front and rear brakes.

Parking Brake

Spring applied Hydraulically released at front axle.

DIMENSIONS



Particulars			STD	HD	Coal / LD
			Bucket 1.8 cu.m	Bucket 1.5 Cu.m	Bucket 2.5 Cu.m
Height of cab top	A	mm	3352	3352	3352
Dump angle	B	deg	45	45	45
Ground Clearance	C	mm	470	470	470
Wheel Base	D	mm	2840	2840	2840
Overall Length	E	mm	7042	7075	7295
Reach at max. dump height	F	mm	1112	1135	1292
Dump height	G	mm	2885	2863	2760
Height of bucket arm hinge	H	mm	3719	3719	3719
Wheel tread	J	mm	2034	2034	2034
Basic machine width	K	mm	2428	2428	2428
Over all machine width	L	mm	2250	2250	2250
Over all operating height	M	mm	4738	4609	4718
Turning radius of outer wheel		mm	5345	5345	5345
Turning radius at outer tip of bucket		mm	5689	5707	5830

OPERATING DATA

Rated payload.....3375 kg

Breakout force.....10543 kg

Tipping load (Straight).....7440 kg

Tipping load (40° Articulated).....6320 kg

Weight	Unladen (kg)	Laden (kg)
Front axle load	4310	10795
Rear axle load	6290	3180
Total weight	10600	13795

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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