

SPECIFICATION

ENGINE

ModelTATA 697 TCIC
 Type4-cycle water-cooled
 AspirationTurbocharger and Charge air cooled
 No.of Cylinders6
 Max. Power129HP @ 2400RPM
 Max Torque440Nm @1400-1700RPM
 Emission NormBS-III
 Batteries24V(2 x 12V)

POWER TRAIN

TransmissionZF Ergo Power Transmission
 Hydrodynamic torque convertor and a reversing transmission of counter shaft design with proportional control valve, electro hydraulically actuated disc clutches.
 Torque ConverterThree element, single stage, single phase
 Main clutchWet Hydraulic, Multi-disc type
 Cooling MethodForced circulation type
 Travel Speed (km/h)Forward / Reverse
 1st7.32 / 7.71
 2nd14.27 / 15.03
 3rd25.27 / 26.40

*With 14.00 x 25-25PR tyres

AXLE AND FINAL DRIVE

Drive SystemFour-wheel drive system
 Front Axle ZF Multitrac 3075
 Fixed rigid to front frame
 Rear Axle ZF Multitrac 3065
 Fixed rear frame by an oscillating bracket
 Oscillation AngleTotal 28° (+14°, -14°)
 Wheel Rise490mm
 Final DrivePlanetary reduction in the wheel hub.
 Self locking limited slip-type differential

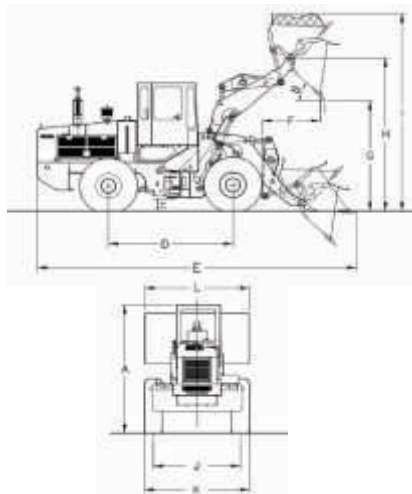
TYRES

Front and Rear Tyres
 StandardFour, 14.00 x 25-20 PR
 OptionalFour, 14.00 x 25-25 PR

BRAKES

Service BrakeMulti wet disc brake integrated in wheel hub acts on all 4 wheels
 Parking BrakeSpring applied air released
 EmergencyFail safe type automatically applied wheel air pressure falls below 3-4 bar.

DIMENSIONS



Particulars			STD	SP	HD	Medium	Coal
			2.0	1.5	1.8	Duty	Bucket
			cum	cum	cum	2.5	3.0
						cum	cum
Height of Cab	A	mm	3186	3186	3186	3186	3186
Dump Angle	B	deg	42	42	42	42	42
Ground Clearance	C	mm	314	314	314	314	314
Wheel Base	D	mm	2840	2840	2840	2840	2840
Overall Length	E	mm	7422	7309	7422	7611	7746
Reach at max dump height	F	mm	1389	1304	1389	1503	1629
Dump Height	G	mm	2664	2739	2664	2556	2441
Height of Bucket arm hinge	H	mm	3710	3710	3710	3710	3710
Overall operating height	I	mm	4801	4686	4840	4802	4910
Wheel tread	J	mm	1997	1997	1997	1997	1997
Width of Tyres	K	mm	2353	2353	2353	2353	2353
Basic machine width	L	mm	2590	2444	2470	2570	2570
Turning radius of outer wheel		mm	5350	5350	5350	5350	5350
Turning radius of outer tip of bucket		mm	6150	6035	6097	6229	6294

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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STEERING SYSTEM

TypeArticulated frame steering
 Steering mechanismFully hydraulic power steering
 Steering angleEach direction 39°; Total 78°
 Relief Pressure210 bar

HYDRAULIC SYSTEM

Main PumpTandem Vane Pump - 189 in lpm @ 2400 rpm
 Relief pressure setting190 bar
 Steering Pump Vane Pump - 60lpm @ 2400 rpm
 Hydraulic Cycle Time
 Lift Arm rise5.7 sec
 Lift arm lower3.4 sec
 Bucket dump1.3 sec
 Total10.4 Sec

Weight	Unladen (kg)	Laden (kg)
Front axle load	5310	11317
Rear axle load	6800	4438
Total weight	12110	15755

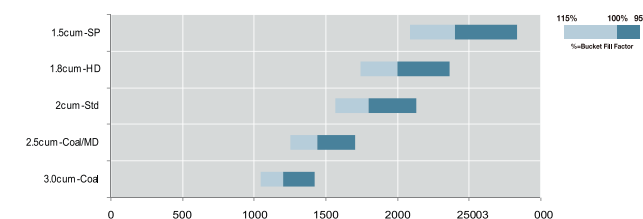
SERVICE REFILL CAPACITIES

Fuel Tank150.0 L
 Engine Coolant22 L
 Engine Oil14.5 L
 Front Axle25.0 L
 Rear Axle25.0 L
 Hydraulic Tank140.0 L
 Hydraulic System210.0 L

OPERATING DATA

Rated Payload3600 kg
 Breakout Force11600 kg
 Tipping Load(Straight)8285 kg
 Tipping Load(Full Turn)7105 kg

BUCKET SELECTION CHART



TATA HITACHI

Reliable solutions

TL 360Z



WHEEL LOADER

Gross Power : 129 HP @ 2400 rpm

Operating Weight : 11890 kg - 12206 kg

Bucket Capacity : 1.5 - 3.0 m³

THGM/WL/TW360Z/2P/E/NOV/2015

NOV 2015 / 2000 QTY.

BUILT FOR PRODUCTIVITY

High Payload



3600kg – High payload allows more load to be carried per trip resulting in high production output

High Breakout Force



127KN – Enables to scoop more material into the bucket with every bite into the pile.



High Speed



Highest 1st & 2nd gear speeds
Lower Cycle Time which leads to higher production output

High Tractive Effort



High Tractive effort
Helps to bite deeper into the material, filling the bucket faster.

Buckets

Larger bucket leading to higher payload



Standard Bucket – 2.0cum

Options

- 1.5 cum
- 1.8 cum
- 2.0 cum
- 2.5 cum
- 3.0 cum

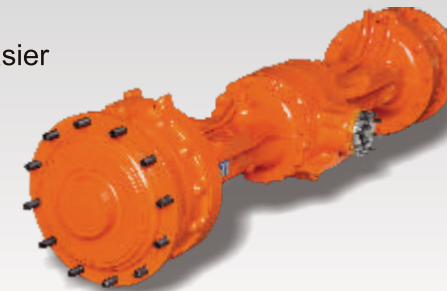
Transmission

- Powershift transmission
- Clutchless gearshift. for operator comfort and lower cycle time
- Highly reliable with self diagnostic feature.



Axles

- Heavy Duty Axles
- 490mm wheel rise enable better stability and easier operation on tough terrains



Cabin

- Rigid functional cabin with both side access doors
- Weight adjustable seat



Kick-Down Feature

On demand tractive effort to dig deeper into the pile using this feature

The operator can shift down gears from 2nd to 1st at the press of a button



Engine

- Optimum balance of power & fuel efficiency
- Easy & cost effective serviceability



Easy Serviceability

