

TATA HITACHI

Reliable solutions

TL 360Z

Productive.



WHEEL LOADER

Gross Power : 129 HP @ 2400 rpm
Operating Weight : 11936 kg - 12206 kg
Bucket Capacity : 1.5 - 3.3 m³

SPECIFICATIONS

ENGINE

Model.....TATA 697 TC IC
 Type.....Water-cooled, 6 cylinder in line,
 direct injection diesel engine
 Aspiration.....Turbocharged
 Rated horsepower (Gross).....96 KW (129 HP) @ 2400 rpm
 Piston displacement.....5.675 ltrs
 Bore & stroke.....97 mm x 128 mm
 Max. Torque.....440 Nm (44 kg/m) at 1800 rpm
 Batteries.....24 V (2 x 12 V)

TRANSMISSION

Model.....ZF Ergo Power Transmission 3WG 130
 Type.....Hydrodynamic torque convertor and a
 reversing transmission of counter shaft
 design with proportional control valve,
 electro hydraulically actuated disc
 clutches.

AXLES

Front.....ZF Multitrac 3075 fixed rigid
 to front frame

Rear.....ZF Multitrac 3065 fixed to rear
 frame by an oscillating
 bracket. Total rear axle
 oscillation is 28 degrees. One
 wheel can drop or rise 490
 mm ensuring ground contact
 on all wheels for maximum
 traction.

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

TRAVEL SPEEDS (with 14.00 x 25, 20 PR) in kmph

	Forward	Reverse
Gear 1	7.32	7.71
Gear 2	14.27	15.03
Gear 3	25.27	26.40

Speed Tolerance of +/- 10%

STEERING SYSTEM

Type.....Center pivot frame articulation. Full power steering
 Articulation.....Each direction 39°. Total 78°
 Pump.....Vane type, transmission mounted, directly driven by engine
 Flow.....60 lpm @ 2400 rpm
 Relief pressure.....175 kg / cm²
 Cylinders.....Two double acting with chrome plated piston rods

BRAKES

Service Brake

Multi wet disc brake integrated in wheel hub acts on all 4 wheels

Parking Brake

Spring applied air released.

Emergency

Fail safe type automatically applied when air pressure falls below 3-4 bar

TYRES

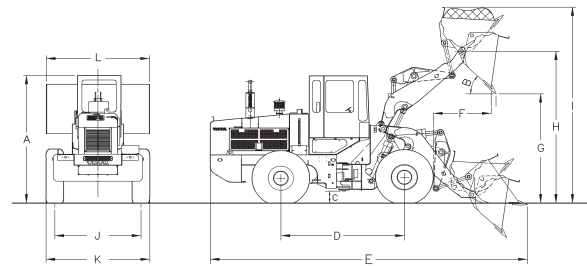
Front and Rear Tyres

Standard.....Four, 14.00 x 25-20 PR
 Optional.....Four, 14.00 x 25, 24 PR

SERVICE REFILL CAPACITIES

Cooling system.....2.4 L
 Crackcase.....20.5 L
 Transmission.....20 L
 Axle-Front.....25 L
 Axle-Rear.....25 L
 Fuel Tank.....150 L
 Hydraulic Reservoir.....140 L
 Hydraulic System.....210 L

DIMENSIONS



All dimensions and specification are based on unit with 14.00 x 25, 20 PR
 tyres, with recommended pressure, cab and with operator (80Kg).

Particulars		STD	OPTIONAL					
			HD	COAL/LD	SP	COAL/MD	COAL	
Height of cab top	A	mm	3186	3186	3186	3186	3186	3186
Dump angle	B	deg	42	42	42	42	42	42
Ground clearance	C	mm	314	314	314	314	314	314
Wheel base	D	mm	2840	2840	2840	2840	2840	2840
Overall length	E	mm	7422	7422	7746	7309	7611	7776
Reach at max. dump height	F	mm	1389	1389	1629	1304	1503	1672
Dump height	G	mm	2664	2664	2441	2739	2556	2405
Height of bucket arm hinge	H	mm	3710	3710	3710	3710	3710	3710
Over all operating height	I	mm	4801	4840	4910	4686	4802	4948
Wheel tread	J	mm	1997	1997	1997	1997	1997	1997
Width over tyre	K	mm	2353	2353	2353	2353	2353	2353
Basic machine width	L	mm	2590	2470	2570	2444	2570	2595
Turning radius of outer wheel		mm	5350	5350	5350	5350	5350	5350
Turning radius at outer tip of bucket		mm	6150	6097	6294	6035	6229	6350

*HD-Heavy Duty, *LD-Light density, *SP-Special Purpose (Iron Ore), *MD-Medium Density

OPERATING DATA

	STD	OPTIONAL					
		HD	COAL	SP	COAL/MD	COAL/LD	
Bucket capacity (Heaped)	cum	2.0	1.8	3.0	1.5	2.5	3.3
Bucket capacity (Struck)	cum	1.69	1.52	2.48	1.28	2.06	2.72
Bucket width	mm	2590	2470	2570	2444	2570	2570
Breakout force	kg	11600	11603	8265	13023	9812	8502
Operating	kg	3600	3570	3555	3600	3600	3600
Operating weight	kg	12110	12053	12115	11936	12107	12206

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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