

SPECIFICATIONS

ENGINE	
Make & Model	TATA 497 TCIC
Type	Turbo Charged, Inter Cooled 4 Cylinder Diesel Engine
Gross Power	76mHP @ 2200 rpm
Max. Torque	28 kg-m @ 1300-1700 rpm
Battery	12 V-130 AH

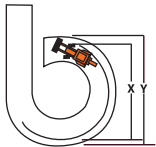
HYDRAULIC SYSTEM		
Efficient hydraulic system with gear type heavy duty pump		
	Flow @ 2200 rpm	Pressure
Backhoe	106 lpm	200 bar
Loader	106 lpm	200 bar
Filter Return oil, spin-on type, replaceable, 10 micron element.		

TRANSMISSION
TH76 is equipped with fully Powershift transmission sourced from the internationally renowned ZF, with heavy duty clutch packs for smooth and easy 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. Powershift transmission facilitates “on the move clutch less gear shift” through the click of the knob both in forward and reverse direction.

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 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.

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	14 kmph
Gear 3	21 kmph	
Gear 4	38 kmph	

TURNING RADIUS	
X Curb turning circle	
With brakes	7140 mm
Without brakes	8808 mm
Y Bucket clearance circle	
With brakes	9610 mm
Without brakes	10500 mm



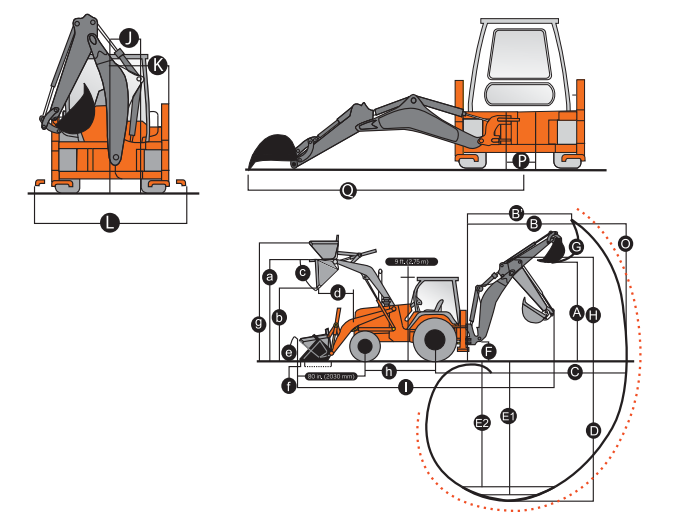
REFILL CAPACITIES	
Fuel tank (with ground level fueling)	136.0 ltr
Engine coolant	21.9 ltr
Engine oil including filter	9.0 ltr
Transmission	13.0 ltr
Hydraulic system	91.0 ltr
Hydraulic oil refill	38.0 ltr
Rear axle	16.0 ltr

BUCKETS			
Loader End	Width	Capacity	Weight
Tilt dump bucket	2352 mm	1 m³	530 kg
Bottom dump bucket	2350 mm	1 m³	640 kg
Backhoe End	Width	Capacity	Weight
General purpose bucket	733 mm	0.26 m³	215 kg
Heavy-duty bucket	611 mm	0.22 m³	180 kg

The specifications are subject to change without 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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TYRES	
Front Tyres (Standard)	9-16, 16 PR
Rear Tyres (standard)...Industrial tyres	16.9-28, 12 PR
(standard)...Heavy duty tyres	14-25, 20 PR



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
h. Wheel Base	2100 mm	2100 mm

BACKHOE PERFORMANCE	
Boom Length: 2.56 m	
Digging force, bucket cylinder : 5300 kgf Digging force, arm cylinder : 3200 kgf	*Arm Length 1.72 m
A. Loading height, truck loading position	3560 mm
B. Max. reach, centre of swing point at ground	5415 mm
C. Reach from centre of rear axle	6841 mm
D. Maximum digging depth	4248 mm
E. Digging depth (E1) 610 mm flat bottom (E2) 2440 mm flat bottom	4200 mm 3890 mm
F. Ground clearance, minimum	350 mm
G. Bucket rotation	184°
H. Transport height	3670 mm
I. Overall length, transport	6150 mm
J. Side-shift from tractor centre line	532 mm
K. Wall to swing centre line	580 mm
L. Stabilizer width Lift capacity to bucket pivot	2235 mm 1699 kg
O. Maximum cutting height (stab. full open) (stab. closed)	5750 mm 5250 mm
P. Total side shift travel	1050 mm
Q. Max.side reach (with side shift) from centre of machine	5878 mm

*All backhoe specification are with 0.26 m³ bucket.

Authorised Dealer

TH76MAX/8P/E/JUNE/2017

JUNE 2017 / 2000Qty.

TATA HITACHI

Reliable solutions

MAXIMIZE
PROFITABILITY

INTRODUCING THE NEW

MAX
SERIES

TH76

Operating Weight : 7350 kg

Bucket Capacity

Backhoe : 0.26 m³

Loader : 1 m³



INTRODUCING THE NEW-GENERATION BACKHOE LOADER

MAX
SERIES

TH76



**MAXIMIZE
PROFITABILITY**

INCREASED CHANGE INTERVALS FOR

Engine Oil | Hydraulic Oil | Engine Fuel Filter
(500 Hrs) (2500 Hrs) (500 Hrs)

The increased intervals of engine oil, hydraulic oil and engine fuel filter change lets you keep costs under ₹40/hr. Other features like a banana boom, reinforced arm, side cutters, 6-in-1 bucket, rock breaker and more help you maximize your revenues.

LOCKABLE DIFFERENTIAL

The lockable differential allows you to navigate through slush, gravel or any other surface.

EXCAVATOR BANANA BOOM

For better reach behind walls of tippers and storage bins. Easy access to hydraulics on the arm.

REINFORCED EXCAVATOR ARM

Protection against damage while lifting rocks and boulders.

BUCKET SIDE CUTTERS

Superior digging performance.



HIGH SWING SPEED

Swing movement forms a major portion of the backhoe operation. A high swing speed increases production and revenues.

PEACE OF MIND

2 year drive line warranty so that you focus on what you do best: Business.

PROVEN IN THE FIELD

Well accepted and proven aggregates ensure the long life of your machine.



**MAXIMIZE
PEACE OF
MIND**

POWERFUL & RELIABLE

The new in-line FIP engine is not only rugged to withstand the demands of your business but is also easy to repair, ensuring your work never stops.



SAFETY FIRST

TH76 **MAX** series comes with an optional fire extinguisher.



POWERSHIFT TRANSMISSION

Designed for long life. Enhanced drive comfort. Reduced cycle time and increased cabin space.



CYCLONIC PRE-CLEANER

The zero maintenance Cyclonic Pre-Cleaner ensures your engine breathes clean air without a care.



KEEPS YOU MOVING

Rear ZF Multitrac Axle is designed for heavy dozing operations and long life.





MAXIMIZE VERSATILITY

With a host of options like rock breaker, 6-in-1 bucket, loader version, you can customize this machine to fit all your business requirements.

LOADER VERSION

Loader version of TH76 for dedicated loading applications.



ROCKBREAKER ATTACHMENT

Option for quarry & demolition requirements



6-IN-1 BOTTOM DUMP BUCKET

One attachment to take care of digging, dozing, grabbing, grading, loading and backfilling (spreading).





NEW LHS SEAT & STORAGE



NEW RHS SEAT & STORAGE



NEW COMPACT FRONT CONSOLE



NEW BACKHOE CONSOLE



SOFT GRIP STEERING WHEEL



INCREASED LEG SPACE



MAXIMIZE OPERATOR COMFORT

SUSPENSION SEAT

New suspension seat to ride smooth over all work surfaces.

SWITCH EASY

With increased space and ergonomically designed cabin, there is even greater space to switch between loader and backhoe modes.

COOL CAB HAT

Silver colored sandwich hatcap for a cooler cabin in summers.



MAXIMIZE STORAGE SPACE

MAXIMUM STORAGE

With added storage space under the right and left seat you have abundant space to store your essentials.

MAXIMUM SEATING

The all new extended left seat and additional right seat allows you take along the extra crew you may need.