

TATA HITACHI

Reliable solutions

TG 160



MOTOR GRADER

Gross Power : 155 HP @ 2000 rpm
Operating Weight : 14980 kg
Drawbar Pull : 137105 N



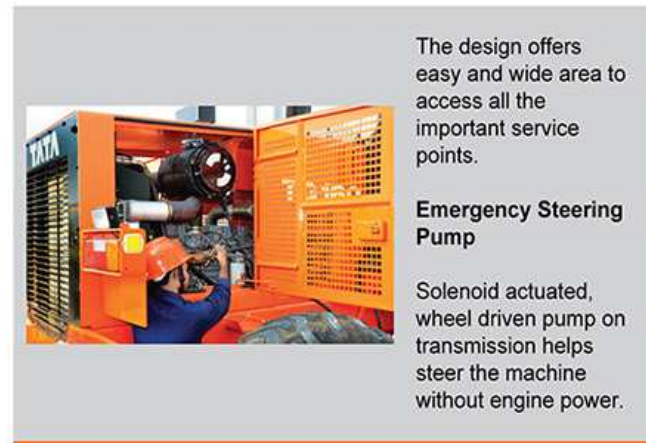
The Cummins 6BTAA5.9-150C Diesel engine offers high fuel efficiency and excellent after sales support.

ENGINE



ZF 6WG160 ERGO Power transmission is built to endure heavy duty cycles. With 6 forward and 3 reverse speeds in both automatic and manual modes.

TRANSMISSION



The design offers easy and wide area to access all the important service points.

Emergency Steering Pump

Solenoid actuated, wheel driven pump on transmission helps steer the machine without engine power.

MAINTENANCE



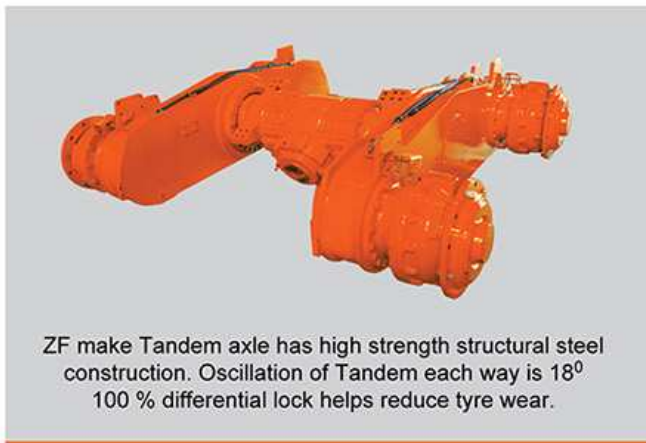
TG160 offers both manual and automatic speed selection to maximize operator efficiency both in rough and fine grading jobs.

AUTO SPEED SELECTION



Built from high strength structural steel with Oscillation about the central axle mounting pin. Front axle has a ground clearance of 622 mm and oscillation angle 38° (total).

FRONT AXLES



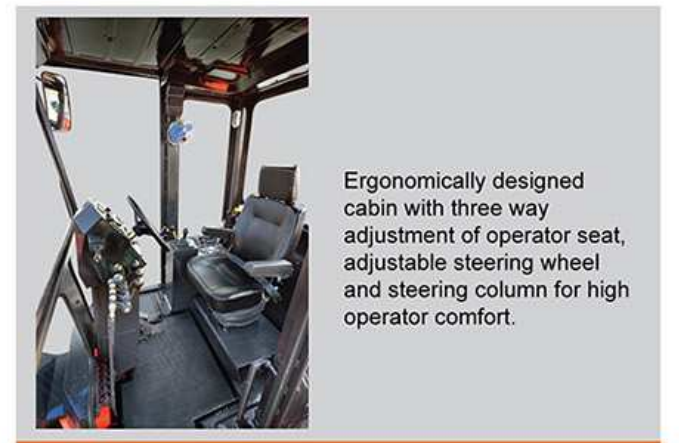
ZF make Tandem axle has high strength structural steel construction. Oscillation of Tandem each way is 18° 100 % differential lock helps reduce tyre wear.

REAR AXLES



Good and wide visibility offers clear view of the mold board heel. The elevated operators seat helps in good rear visibility.

VISIBILITY



Ergonomically designed cabin with three way adjustment of operator seat, adjustable steering wheel and steering column for high operator comfort.

CABIN

SPECIFICATIONS

ENGINE

Make.....	Cummins
Model.....	6BTAA 5.9-150C
Max power.....	155 HP @ 2000 rpm
Rated power.....	150 HP @ 2200 rpm
Fuel.....	Diesel
Cylinders.....	6
Type.....	4 stroke, direct injection
Aspiration.....	Turbo charged & inter cooled
Max torque.....	655 Nm @ 1500 - 1600 rpm

TRANSMISSION

Type.....	ZF ERGOPOWER transmission, automatic and manual gear shift
Model.....	6 WG 160
Control.....	Electric, single lever selector switch

TRAVEL SPEED

6F.....	5.23/ 8.07/ 12.41/ 18.74/ 27.29/ 40.00 kmph
3R.....	5.5/ 13.08/ 28.78 kmph

DRAWBAR PULL

Drawbar pull.....	137105 N
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HYDRAULIC SYSTEM

Pump.....	Loadsensing gear pump
Max flow.....	200 lpm @ 2200 rpm
Max working pressure.....	190 bar

STEERING

Type.....	Hydrostatic
Pump.....	Vane type
Flow.....	25 cc/rev
Steering cylinders.....	2 Nos
Wheel steer angle.....	+/-48°
Articulation cylinders.....	2 Nos
Hydraulic actuated articulation.....	+/-25°
Min turning radius.....	7.3 m

REAR TANDEM DRIVE HOUSING

Tandem oscillation.....	+/-18°
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FRONT AXLE

Front axle oscillation.....	19°
Wheel lean.....	18°
Min. ground clearance at front axle.....	622 mm

REAR AXLE

Type.....	ZF tandem axle
Model.....	MTG 3085
Min. ground clearance.....	622 mm
Differential.....	100% differential lock

BLADE

Blade size.....	3658 x 620 x25 mm	
Lift above ground.....	430 mm	
Blade side shift	Left	Right
with articulation	1803 mm	1119 mm
without articulation	1948 mm	1264 mm
Blade pitch range		
Backward.....	5°	
Forward.....	40°	

BRAKE SYSTEM

Service brake.....	Foot operated air over hydraulic wet disc brake on rear four wheels, with two independent circuits.
Emergency brake.....	Fail safe spring actuated hydraulic release enclosed wet disc brake built in axle.
Parking brake.....	Fail safe spring actuated hydraulic release enclosed wet disc brake built in axle.

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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CAPACITIES

Fuel tank.....	290 L
Cooling system.....	45 L
Crank case.....	14.3 L
Transmission.....	21 L
Tandem case (each).....	43 L
Hydraulic system & tank.....	200 L
Rear axle.....	21 L
Worm gear reduction.....	3 L

OPERATING WEIGHT

Front wheels.....	4990 kg
Rear wheels.....	9990 kg
Total.....	14980 kg

TYRE SIZE

Front.....	17.5 x 25 - 16 PR
Rear.....	17.5 x 25 - 16 PR

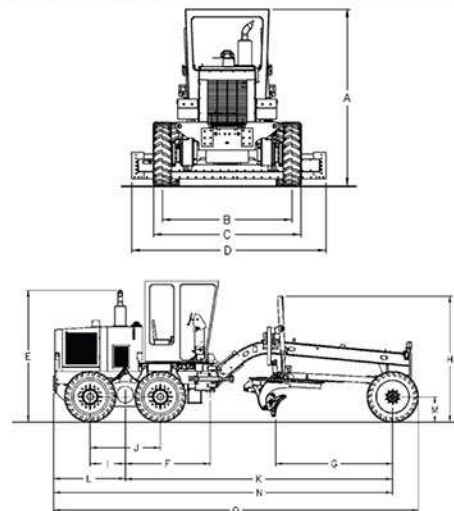
ATTACHMENTS

Scarifier front V-type-weight.....	660 kg
Working width.....	1148 mm
Scarifying depth.....	318 mm
Scarifier shank holders.....	5 Nos

OPTIONAL ATTACHMENTS

- Ripper attachment
- Dozer blade
- Counter weight

DIMENSIONAL DETAILS



Overall height	A	3500 mm
Tread width	B	2300 mm
Overall width	C	2725 mm
Blade width	D	3658 mm
Height to top of exhaust	E	3087 mm
Mid tandem to center pivot	F	1974 mm
Blade base	G	2560 mm
Height of top of blade lift cylinders	H	3034 mm
Mid tandem to rear wheel center	I	816 mm
Tandem axle spacing	J	1632 mm
Wheel base	K	6325 mm
Mid-tandem to end of rear frame	L	1669 mm
Height to axle or front	M	650 mm
End to rear frame to front of front frame	N	7884 mm
Overall length	O	8566 mm

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