

# TAFE 8502

Modern design, excellent performance, easy maneuverability, simplicity of operation, most modern hydraulic system

## STANDARD FEATURES

- ❖ Highly fuel efficient, Simpsons S 440 Diesel Engine, Water-cooled, Positive Crankcase Ventilation with closed loop Breathing system, Meeting Exhaust Emission as per CMVR (Indian)
- ❖ Dual Clutch with Classic pedal type operation.
- ❖ Telescopic Straight Front Axle.
- ❖ Hydrostatic Steering.
- ❖ Live PTO & Hydraulics with Draft and Position Controls.
- ❖ Square Bonnet.
- ❖ Neutral Safety Switch for Starting.

## OPTIONAL ACCESSORIES

- ❖ Auxillary Hydraulics with Double Spool Valves
- ❖ Front Weights and Rear Wheel Weights.
- ❖ Sun Canopy
- ❖ ROPS





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## SPECIFICATIONS

TAFE 8502

ENGINE	
Make/ Type	: SIMPSON S440, 4 Stroke, Direct Injection Diesel Engine with PCV (Exhaust Emission as per ISO 8178)
No. of cylinders	: 4
Cubic capacity	: 244 cu. inches (4.0 litres)
Bore	: 3.94" (100 mm)
Stroke	: 5" (127 mm)
Aircleaner	: Oil bath, Over bonnet
Cooling	: Pressurised Water Cooling
Starting Aid	: Induction manifold
Fuel Injection Pump	: MICO, Inline Pump
Fuel Filter Type	: Dual, Replaceable element type
Exhaust	: Vertical
Max. Engine Power	: *80.5BHP (60kw) Gross @ 2200 Erpm.
Max. Engine Torque	: *291.26 Nm gross @ 1400 Erpm. * - As per BS Au 141 a 1971.

CLUTCH	
Type	: Dual Dry Cerametal Primary 12" (305 mm & Secondary 10" (254 mm))
Method of Operation	: Manual, Classic type pedal.

TRANSMISSION	
Gear box	: 8 Forward, 2 Reverse Sliding Mesh.
Rear axle	: Crown wheel & Pinion with Differential and Epicyclic at wheel end.
Differential lock	: Mechanical, Foot operated.

POWER TAKE OFF	
Type	: Live
PTO Speed	: 540 @ 1789 Erpm
Shaft diameter	: 1 3/8" (34.8 mm)
Number of splines	: 6

BRAKES	
Type	: Multiple Disc Wet Brakes
Method of Operation	: Mechanically actuated Individual RH LH or combined through Classic Pedals.
Parking Brake	: Hand lever operated

FRONT AXLE	
Type	: Three Piece, Telescopic Heavy duty Straight Front Axle with adjustable tracks
Optional	: 4 Wheel Drive

STEERING	
Type	: Hydrostatic

HYDRAULIC SYSTEM	
Type	: Mark III, 4 cylinder Scotch Yoke Piston pump with suction strainer
Rated capacity	: 4.76Gpm (18 lpm) @ 540 PTO rpm
Ratio capacity	: 42 lpm (for Auxillary Hydraulic)
External Tapping points	: 3
Max. Lift Capacity	: 4729 ibf (2145kgf) Horizontal position

ELECTRICAL	
12 Volt Negative earth system	
Starter motor	: 12V DC, 2.7 Kw, solenoid engaged Flange mounted will operate only When high-low gear selector is in Neutral.
Alternator	: 12 V, 36 A with "W" Point
Relays	: Horn, High / Low beam, Brake Lamp.
Lamps	: Head Lights - 60 / 55 W x 2 (Halogen) Work Lamp - 55 W (Halogen) Fender lamps - 4 x 21 W (Amber) (Conforming to ASAE Standards) Rear Direction lamp - 2 x 21 W (Red)
Gauges & Indicators	: Cum-RPM meter, Fuel Gauge, Lub Oil Pressure Indicator, Coolant Temp. Gauge, Turn Indicator, Hazard Warning Indicator, High beam Indicator, Battery charge Indicator, Low Fuel Indicator, High Temperature Indicator, With Imperial Markings.

WHEEL AND TYRES	
Front Wheel	: 5.50 x 16
Front Tyre	: 7.50 x 16 - 8 PR
Rear Wheel	: W15 L x 30
Rear Tyre	: 18.4 X 30 - 14 PR

WHEEL TRACK	
Front	: 56" - 72" (1422 - 1829 mm)
Rear	: 60" - 84" (1524 - 2134 mm)
(Both tracks adjustable in steps of 4" (102 mm))	

FILL UP DATA	
Fuel tank	: 18.5 Gal (70 litres)
Engine lub. oil (sump+lub oil filters)	: 2.5 Gal (9.5 litres)
Cooling system	: 3.7 Gal (14 litres)
Transmission & Hydraulic systems	: 11.88 Gal (45 litres)
Hyd. Steering Reservoir	: 0.5 Gal (1.9 litres)
Aircleaner	: 0.21 Gal (0.8 litres)
FIP cambox	: 0.13 Gal (0.5 litres)

DIMENSIONS AND WEIGHT	
(Nominal)	
Overall Length	: 150.8" (3830 mm) with lower links
Overall Width	: 78.3" (1990 mm)
Overall Height	: 99.2" (2520 mm) - (Over Rops)
Wheel Base	: 87.4" (2220 mm)
Min. Ground Clearance	: 18" (457 mm) - (Below Gear box)
Turning Circle Radius	
With brakes	: 143.7" (3650 mm)
Without brakes	: 159.5" (4050 mm)
Tractor weight	: 5908 lbs (2680 kg) (with quantities of fuel, oils and coolant as per fill up data)

STANDARD FEATURES	
Flat top fenders with Extension Plates, Fixed Square Bonnet, Independently working Foot & Hand Throttle, Hand parking brake, Spring Suspension Seat, Classic Pedal, Instrument Cluster, Steering Combination Switch Swinging Drawbar, Chain Stabiliser Kit, Tools Box, Front Weight Frame.	

OPTIONAL EQUIPMENT	
Front weights and Rear wheel Weights, Oil pipe Kit, Sun Canopy, Adjustable Tow Hook, Auxillary Hydraulics.	



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Due to continuous Product Development, features and specification are subject to change

Optional accessories shown are not part of standard fitment