



**TAFE 8502 4WD**

**TAFE**   
MORE THAN YOU EXPECT

# TAFE 8502 4WD TECHNICAL SPECIFICATIONS

## STANDARD FEATURES

Flat top fenders with extension plates, fixed squared bonnet, independently working hand & foot throttle. Hand parking brake, spring suspension seat, classic pedals, instrument cluster, steering combination switch, swinging drawbar, chain stabilizer kit, tool box, front weight frame

## OPTIONAL EQUIPMENT

Front weights and rear wheel weights, oil pipe kit, sun canopy, adjustable tow hook, auxiliary hydraulics

## ENGINE & DRIVE

**Make/Type:** Simpson S440, 4 Stroke direct injection, diesel engine with PCV (Exhaust emission as per ISO 8178)

**Cylinders:** 4 Cylinders

**Bore/Stroke:** 100/127mm

**Cubic capacity:** 4.0 Litres

**Air cleaner:** Oil bath - over bonnet

**Cooling:** Pressurized water cooling

**Starting aid:** Induction manifold

**Fuel injection pump:** MICO Inline pump

**Fuel filter type:** Dual, replaceable element type

**Exhaust:** Vertical

**Max. Engine power:** 60kW gross @ 2 200rpm

**Max. Engine torque:** 291.26Nm @ 1 400Erpm // as per BSAu 141a 1971

## ELECTRICAL

**12 Volt negative earth system:** Standard

**Starter motor:** 12V DC, 2.7kW, solenoid engaged flange mounted, will operate only when high-low selector is in neutral

**Alternator:** 12V, 36A with  $\square$ W $\square$  point

**Relays:** Horn, High/low beam, brake lamp

**Lamps:** 2 Halogen head lamps 60/55W, 1 Halogen work lamp 55W, 4 Amber fender lamps 21W - conforming to ASAE standards, 2 Red rear direction lamps 21W

**Gauges & indicators:** Instrument cluster consists of an electronic Hour-Cum-RPM meter, Fuel gauge, Lub/oil Pressure gauge, Coolant temperature gauge, Turn indicator, Hazard warning indicator, High beam indicator, Battery charge indicator, Low fuel indicator, High temperature indicator with imperial markings

## FILL UP DATA

**Fuel tank:** 70 Litres

**Engine lub. oil:** 9.5 Litres (sump and lub. oil filters)

**Cooling system:** 14 Litres

**Transmission - Hydraulic systems:** 45 Litres

**Hydraulic steering reservoir:** 1.9 Litres

**Front axle:** 5.6 Litres

**Epicycle hubs:** 2.4 Litres

**Air cleaner:** 0.8 Litres

**FIP cambox:** 0.5 Litres

## CLUTCH

**Type:** Dual dry corametal

**Driving plate:** Primary 305mm, secondary 254mm

**Method of operation:** Manual, classic type pedal

## POWER TAKE OFF

**Type:** Live

**Shaft diameter:** 1  $\frac{3}{8}$ " (34.8mm)

**Number of Splines:** 6

**PTO Speed:** 540 @ 1 789Erpm

## TRANSMISSION

**Gear box:** 8 forward and 2 reverse sliding mesh

**Rear axle:** Crown wheel and pinion with differential and epicyclic at wheel end

**Differential lock:** Mechanical - foot operated

## BRAKES

**Type:** Multiple disc wet brakes

**Method of operation:** Mechanically actuated individual RH LH or combined through classic pedals

**Parking brakes:** Hand lever operated

## FRONT AXLE

**Type:** 4 Wheel drive

## STEERING

**Type:** Hydrostatic steering

## HYDRAULIC SYSTEM

**Type:** MARKIII, 4 Cyl. Skotch Yoke piston pump - suction strainer

**Rated capacity:** 18 lpm@540 PTO Erpm

**Ratio capacity:** 42 lpm (for auxiliary hydraulic)

**External tapping points:** 3

**Max. lift capacity:** 2 145kgf@ Horizontal position

## WHEELS & TYRES

**Front wheel:** 10 x 24

**Front tyre:** 12.4 x 24 - 8PR

**Rear wheel:** 15 x 30

**Rear tyre:** 18.4 x 30 - 14PR

## WHEEL TRACK

Front: 1 824 - 1 930mm

Rear: 1 524 - 2 134mm

Adjustment steps: 102mm

## DIMENSIONS & WEIGHT

**Overall length:** 3 830mm (Lower links in horizontal position)

**Overall width:** 2 100mm

**Overall height:** 2 520mm (over exhaust)

**Wheelbase:** 2 300mm

**Min. ground clearance:** 360mm (below swinging draw bar)

Turning circle radius with brake: 3 850mm

Tractor weight: 2 900kg

