

**DIESEL ENGINE**

YANMAR 4TNV88, naturally aspirated
Mechanical control with direct injection
Max. power 36.9 kW - (49 Hp)
Adj. power 32 kW (44 Hp) at 2,600 rpm
Max. torque 139 Nm at 1,200 rpm
Bore/stroke: 88/90 mm
4 cylinders - total displacement 2,190 cc
Water cooling, dry air filter
Directive 2004/26/CE - Stage III A

ELECTRIC SYSTEM

Alternator: 12 V - 40 A
Battery: 12 V - 80 Ah (400 A)
Road light system.

4X4 FOUR-WHEEL DRIVE

Hydrostatic "automotive" transmission with variable displacement pump and variable displacement hydraulic motor with electro-hydraulic control, and reverse gear control on the steering wheel. Mechanical gearbox for "working speed" and "road transfer" speed, with mechanical control.

SPEED

	4 forward gears	4 reverse gears
I°	0 - 5.0 Km/h	0 - 5.0 Km/h
II°	0 - 7.2 Km/h	0 - 5.0 Km/h
III°	0 - 14.2 Km/h	0 - 14.2 Km/h
IV°	0 - 20.2 Km/h	0 - 14.2 Km/h
Traction / weight ratio	55%

AXLES AND WHEELS

Front load-bearing, oscillating ($\pm 7^\circ$) with planetary reduction gears on the wheel hubs.
Rear load-bearing with planetary reduction gears on the wheel hubs and directly flanged gearbox.
Tyres 12.0/75-18 12PR

BRAKES

Internal oil-bath disc service and emergency brakes acting on the 4 wheels, activation with pump on independent dual circuit.
Drum parking brake on the front axle with lever control.

SERVICE REFILL CAPACITIES

Fuel tank: 46 litres
Total hydraulic system capacity: 67 litres
Engine oil: 7.07 kg

WEIGHTS

Operating weight: 3,400 kg
Max gross weight: 7,400 kg
load-carrying capacity: 4,000 kg

STEERING

Assisted by means power steering acting on 2 half-frames by means of two opposed jacks.

EQUIPMENT HYDRAULIC SYSTEM

Gear pump
Max. flow rate: 35 litres/min.
Maximum pressure: 170 bar
2 - elements distributor.
Aluminium heat exchanger for hydraulic oil cooling.
Pressurised closed-circuit intake with oil filter replaceable from the outside.

DUMP BODY

Dump body tilting by means of 1 double-acting jack. Orientation over 180° for trilateral unloading by means of two opposing jacks.
Struck capacity 2,000 litres
SAE heaped capacity 2,700 litres

CAB

Open cab designed according to ROPS & FOPS Lev. I criteria, windows on three sides.
180° pivoting driving post. Anatomic seat with flexible suspension and height adjustment, seat belts.
Driving and equipment controls with ergonomic arrangement.