



DIESEL ENGINE	Stage IIIA / Tier 3	Tier 4 Final	Stage V
Model :	YANMAR 4TNV88	KOHLER series KDI 1903 TCR	KOHLER series KDI 1903 TCR
Type :	Aspirated	Turbo Intercooler	Turbo Intercooler
Total displacement, no Cylinders:	2190cc - 4 in line	1861cc - 3 in line	1861cc - 3 in line
Injection :	Direct with mechanical control	Electronic control with Common Rail	Electronic control with Common Rail
Aftertreatment sys. :	-	EGR + DOC	EGR + DOC + DPF
Cooling :	air water, dry air filter	air water, dry air filter	air water, dry air filter
Maximum power :	36,9 kW (49 Hp)	42 kW (56 Hp)	42 kW (56 Hp)
Adj. power :	32 kW (44 Hp) a 2600 rpm	42 kW (2600 rpm)	42 kW (2600 rpm)
Maximum torque :	139 Nm a 1200 rpm	225 Nm a 1500 rpm	225 Nm a 1500 rpm
Alternator :	12V - 40 A	12V - 55 A	12V - 55 A

ELECTRIC SYSTEM

Battery: 12 V - 80 Ah (400 A)
Road light system, rear working lights, optional/standard depending on engine type.

STEERING

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

SERVICE REFILL CAPACITIES

Fuel tank: 46 litres
Total hydraulic system capacity: 67 litres
Engine oil: 7 kg

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%

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.

WEIGHTS

Operating weight: 3400 kg
Max gross weight: 7400 kg
load-carrying capacity: 4000 kg

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 2000 litres
SAE heaped capacity 2700 litres

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.

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.

LCD TV display with camera for rear visibility.