



DIESEL ENGINE	Stage IIIA / Tier 3	Tier 4 Final EPA	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:

Stage III A ..... 12 V - 80 Ah (560 A)  
 Tier 4 final ..... 12 V - 70 Ah (720 A)  
 Stage V ..... 12 V - 70 Ah (720 A)  
 Led road light system, rear working lights,  
 optional/standard depending on engine type.

## 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.

## SPEED

2 forward gears      2 reverse gears  
 I°    0 - 7,1 Km/h    0 - 7,1 Km/h  
 II°   0 - 24,0 Km/h   0 - 7,1 Km/h

Traction / weight ratio ..... 41%

## 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.

Tyres ..... 12.5-18 16PR

## BRAKES

Internal oil-bath disc service and emergency brakes acting on the 4 wheels, activation with pump on independent dual circuit.

Negative type parking brake, with internal oil-bath discs on the rear axle and electro-hydraulically controlled release.

## 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: ..... 36 litres/min.  
 Maximum pressure: ..... 200 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  $180^\circ$  for trilateral unloading by means of two opposing jacks.  
 Struck capacity ..... 2200 litres  
 SAE heaped capacity ..... 2750 litres

## CAB

Open cab designed according to ROPS & FOPS Lev. I (optional FOPS Lev. II), criteria, windows on three sides. Optional cab doors. Sliding window on cabin door.

$180^\circ$  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.

## SERVICE REFILL CAPACITIES

Fuel tank: ..... 50 litres  
 Total hydraulic system capacity: ..... 67 litres  
 Engine oil: ..... 7 kg

## WEIGHTS

Operating weight: ..... 3500 kg  
 Max gross weight: ..... 8500 kg  
 load-carrying capacity: ..... 5000 kg