



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 :	Naturally aspirated	Turbo Intercooler	Turbo Intercooler
Total displacement, no Cylinders:	2,190cc - 4 in line	1,861cc - 3 in line	1,861cc - 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) (2,600 rpm)	42 kW (2,600 rpm)	42 kW (2,600 rpm)
Maximum torque :	139 Nm (1,200 rpm)	225 Nm (1,500 rpm)	225 Nm (1,500 rpm)
Alternator :	12V - 40 A	12V - 55 A	12V - 55 A

### ELECTRIC SYSTEM

Battery: ..... 12 V - 80 Ah (600 A)  
Led road light system, rear working lights.

### STEERING

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

### SERVICE REFILL CAPACITIES

Fuel tank: ..... 50 L  
Total hydraulic system capacity: ..... 85 L  
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.

### SPEED

	forward gears	reverse gears
Slow	0 - 7.1 km/h	0 - 7.1 km/h
Fast	0 - 21.0 km/h	0 - 21.0 km/h

### AXLES AND WHEELS

Front load-bearing, oscillating ( $\pm 6.5^\circ$ ) with planetary reduction gears on the wheel hubs.  
Rear load-bearing with planetary reduction gears on the wheel hubs.

Tyres ..... 12.5 -18 16PR  
Turf tyres (optional) ..... 12.5/80 -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 front axle and electro-hydraulically controlled release.

### EQUIPMENT HYDRAULIC SYSTEM

Gear pump  
Max. flow rate: ..... 36 L/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 ..... 2,200 L  
SAE heaped capacity ..... 2,750 L

### CABIN

Open cabin 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.

### WEIGHTS

Operating weight: ..... 3,900 kg  
Max gross weight: ..... 8,900 kg  
load-carrying capacity: ..... 5,000 kg