



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.

SPEED

2 forward gears 1 reverse gear
Ist 0 - 11.0 Km/h 0 - 11.0 Km/h
IInd 0 - 18.0 Km/h 0 - 11.0 Km/h
Traction / weight ratio 30%

AXLES AND WHEELS

Front load-bearing, oscillating ($\pm 6^\circ$) with planetary reduction gears on the wheel hubs.

Rear load-bearing with planetary reduction gears on the wheel hubs and directly flanged gearbox.

Tyres 10.0/75-15.3 10PR

BRAKES

Internal oil-bath disc service brakes acting on the 4 wheels, activation with pump on single circuit.

Parking and emergency drum brakes on the front axle with lever control.

STEERING

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

EQUIPMENT HYDRAULIC SYSTEM

Gear pump
Max. flow rate: 30 litres/min.
Maximum pressure: 170 bar
3-element distributor with joystick.
Aluminium heat exchanger for hydraulic oil cooling.
Pressurised closed-circuit intake with oil filter replaceable from the outside.

MIXING AND POURING

Double-cone drum with double-spiral mixing screws
Geometrical drum volume: 1,650 litres
Drum rotation speed: 20 rpm.
Class S1 concrete produced as : 1.1 cu m
Drum rotation by means of a piston pump with variable flow rate and an orbital hydraulic motor in closed circuit with infinitesimal electrical control positioned in the cabin and at the rear of the machine.
Drum raising up to the horizontal position by means of 2 double-acting jacks.
Chute with manual tilting independent of the mixing drum inclination and 180° rotation. Removable chute, for direct unloading from hopper.
1 chute extensions provided as standard equipment.

WATER SYSTEM

"Self-priming" volumetric water pump with quick-suction.
Max. capacity: 140 litres/min.
Maximum head: 3 bar
One tank on the engine side with a total capacity of 205 litres
Water feeding to the drum controlled by means of electromagnetic flow meter and fed litre reading on the cabin display.
Water pump activation from the driver's seat.
Suction selection from the ground with quick-coupling pipes.

LOADING SHOVEL

Loading arms with fixed loader and automatic unloading hatch.
Volumetric capacity: 350 litres
Number of shovelfuls per load 4 - 5
Production capacity: up to 4 cycles/hour

CAB

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

SERVICE REFILL CAPACITIES

Fuel tank: 32 litres
Total hydraulic system capacity: 67 litres
Engine oil: 7.07 kg

WEIGHTS

Operating weight: 3,050 kg
Max gross weight: 5,550 kg
load-carrying weight: 2,500 kg