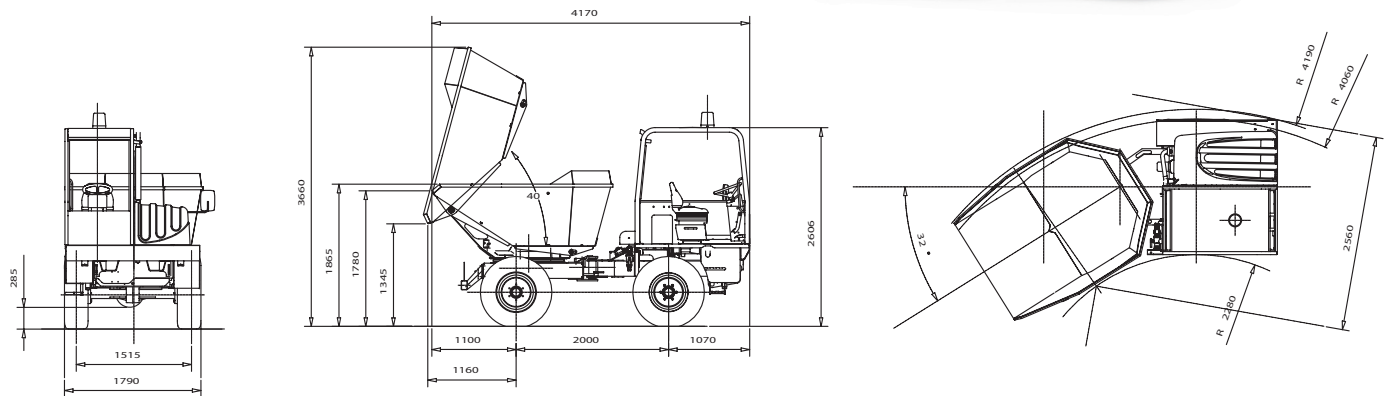


Dumper D 40



DIESEL ENGINE

Make and model: YANMAR 4TNE88, direct injection, natural intake, water-cooled. Rated power: 32,6 kW (44 CV) @ 2600 rpm Torque, max 137 Nm No. of cylinders / displacement: 4 / 2190 cu.cm. Conforms with emission Directive 97/68 CE and EPA. Noise 2000/14/CE

ELECTRICAL SYSTEM

Ignition motor 12 v
Alternator 12 v - 45 Ampères
Battery 12 v - 80 Amp/h (400 Amp)

DRIVE

"Automotive" hydrostatic transmission with variable flow pump and dual displacement hydraulic motor with electro-hydraulic control of "slow-fast-inversion" modes. Mechanical 2-speed gearbox, flanged to the rear axle, with shifting lever for selecting "work" or "transfer" speed.

Forward Reverse
Speed (km/h) 1.a 0 - 4,6 0 - 4,6
2.a 0 - 7,2 0 - 4,6
3.a 0 - 12,9 0 - 12,9
4.a 0 - 20,5 0 - 12,9
Traction / weight ratio: 55 %

STEERING

Hydrostatic (Orbitrol type) servo-assisted, fed by independent pump; steering-wheel control. Displacement 100 cm³. Working pressure, max 100 bar. Steering pump flow rate 21 litres/1' Controlled through two counterfaced hydraulic cylinders, acting on the central articulation.

AXLES

Front: oscillating ($\pm 10^\circ$), self-bearing, with planetary final reduction gears at the wheel hubs. Rear: rigid, self-bearing, with planetary final reduction gears at the wheel hubs.

TYRES

Front and rear 12.0/75 - 18

BRAKES

Service and emergency: oilbath

disc brakes, housed inside the hubs, acting on all 4 wheels, fed by dual pump split circuits. Parking: drum type, on the front axle; lever controlled, mechanical.

CHASSIS

Electro-welded high-tensile steel structure. Central articulation, 32° each side. Hydraulic control of skip lifting, by means of dual action cylinder and of skip slewing by means of two counterfaced hydraulic cylinders.

HYDRAULIC SYSTEM

Gear pump -2- element hydraulic distributor
Flow rate, max 41 litres/1'
Pressure, max 200 bar
Hydraulic oil cooling by means of air/oil exchanger.

SERVICE CAPACITIES

Fuel 45 litres
Hydraulic oil (total) 75 litres
Engine oil 4 litres

WEIGHTS AND CAPACITIES

Weight in working conditions 3200 kg
Payload (v/max) 4000 kg
Skip capacity, struck 2000 litres
Heaped capacity, heaped 2700 litres

DRIVING POST

Safety structure, ROPS-FOPS tested. On demand: front and rear windscreen, complete of washer and wiper; side sliding glasses. Pivoting driving turret, assembled on balls-type free wheel. Anatomically designed seat, with elastic suspensions. Controls ergonomically arranged. Instrumentation: Engine ignition / stop switch; glow-plug; hour meter; rpm counter. Warning lights: engine coolant temperature hydraulic oil filter clogging; glow-plug; generator under charge; direction indicators; clearance lights; low beam; engine oil pressure; low fuel. Rotating beacon on roof. Low beam / high beam switch. Fuses and relays box.

MEASURES

Length, max 4070 mm
Width, max 1815 mm
Height, max 2600 mm
Front overhang 37°
Ground clearance (under differentials) 285 mm