

# D 40

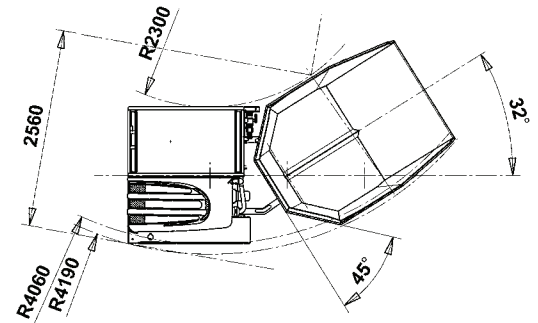
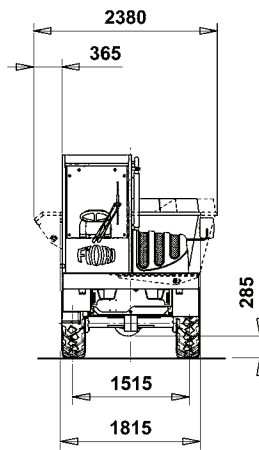
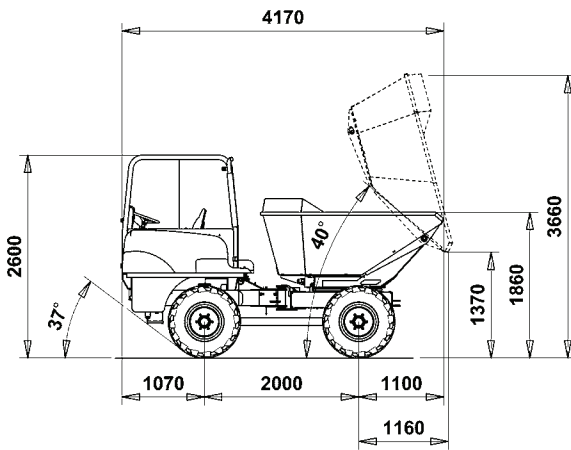


*All pictures shown are for illustrative purposes only and may contain optional equipment.*

## DUMPER SYSTEM

This vehicle is extremely versatile, with unrivalled performance in restricted spaces such as narrow alleyways in city centres, lanes or alleys, or tunnels, and provides the ideal solution when driving reversibility, visibility and safe manoeuvrability are absolute necessities for transport of materials. This is the most compact vehicle of its segment (4,000 kg capacity, 180° pan rotation and three-way dumping). FIORI GROUP dumpers guarantee perfect traction and manoeuvrability on rough terrains, while also ensuring driving safety, flexible and user-friendly in both directions (forward and reverse).

# FIORI



### 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 2600 rpm  
 Max. torque 139 Nm at 1200 rpm  
 Bore/stroke: 88/90 mm  
 4 cylinders - total displacement 2190 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. 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 - 7,2 Km/h
III° 0 - 14,2 Km/h	0 - 14,2 Km/h
IV° 0 - 20,2 Km/h	0 - 20,2 Km/h
Traction / weight ratio ..... 55%	

### AXLES AND WHEELS

Front load-bearing, oscillating ( $\pm 7^\circ$ ) and steering with planetary reduction gears on the wheel hubs.  
 Rear load-bearing and steering 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.

### 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: ..... 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.

### 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 ..... 2000 litres  
 SAE heaped capacity ..... 2700 litres

### CAB

Open cab designed according to ROPS & FOPS Lev. I criteria, windows on three sides.  
 $180^\circ$  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: ..... 46 litres  
 Total hydraulic system capacity: ..... 50 litres  
 Engine oil: ..... 3,4 litres

### WEIGHTS

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

\* According to Directive 2006/42/CE

Valid as of 04/2013. All the data are purely indicative and may change without prior notice.