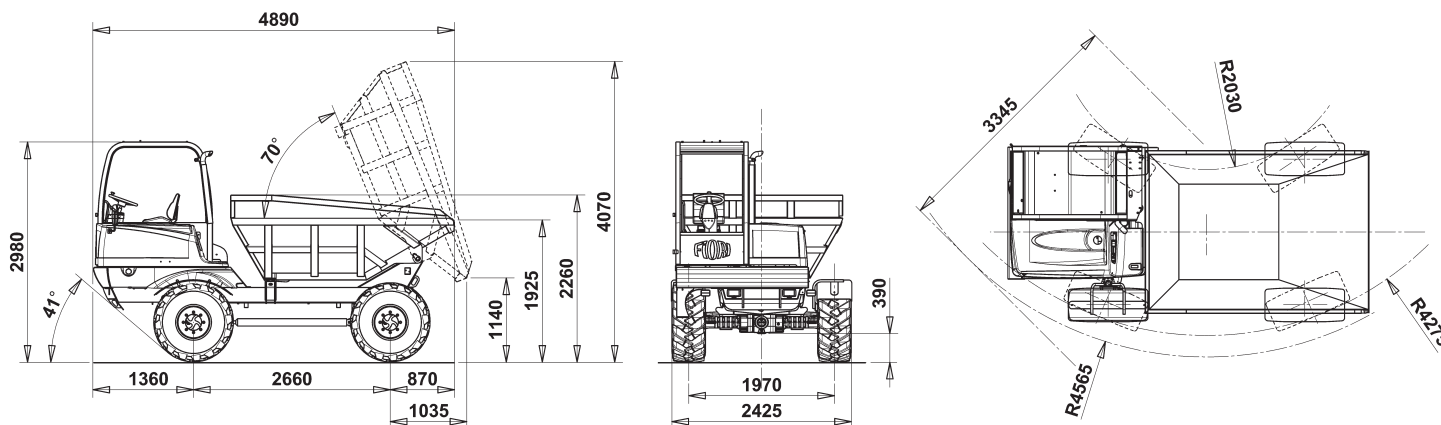


# D 100SL

## Transport systems with driving reversibility



### DIESEL ENGINE

PERKINS series turbo engine 1104  
 Mechanical control with direct injection  
 Max. power 83 kW (113 HP)  
 Adj. power 83 kW (113 HP) at 2200 rpm  
 Max. torque 418 Nm at 1400 rpm  
 Bore/stroke: 105/127 mm  
 4 cylinders - total displacement 4400 cc  
 Water cooling, dry air filter

### ELECTRIC SYSTEM

Alternator: 12 V - 55 A  
 Battery: 12 V - 132 Ah (600 A)  
 Road light and signalling 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.  
 Electro-hydraulically controlled mechanical gearbox for "working speed" and "road transfer" speed.

### SPEED

4 forward gears      4 reverse gears  
 I° 0 - 3,7 Km/h      0 - 3,7 Km/h  
 II° 0 - 9,5 Km/h      0 - 9,5 Km/h  
 III° 0 - 11,8 Km/h      0 - 11,8 Km/h  
 IV° 0 - 30,0 Km/h      0 - 30,0 Km/h  
 Traction / weight ratio ..... 48%

### AXLES AND WHEELS

Front load-bearing, oscillating ( $\pm 6^\circ$ ) 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 ..... 18 - 19.5 14PR

### BRAKES

Internal oil-bath disc service and emergency brakes acting on the 4 wheels, activation with miniservo 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 of load-sensing power steering with double displacement on 4 steering wheels; steering selection device for: 2 steering wheels, 4 steering wheels - crab steering.

### EQUIPMENT HYDRAULIC SYSTEM

Gear pump  
 Max. flow rate: ..... 45 litres/min.  
 Maximum pressure: ..... 180 bar  
 1-element distributor.  
 Aluminium heat exchanger for hydraulic oil cooling.  
 Pressurised closed-circuit intake with oil filter replaceable from the outside.

### DUMP BODY

Reinforced dump body with tilting by means of 2 double-acting jacks.  
 Struck capacity ..... 4200 litres  
 SAE heaped capacity ..... 5600 litres

### CAB

Open cab in compliance with ROPS (ISO 3471) and FOPS (ISO 3449) criteria.  
 180° 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 in cross-linked polyethylene, 95 litres  
 Total hydraulic system capacity: ..... 95 litres  
 Engine oil: ..... 9 litres

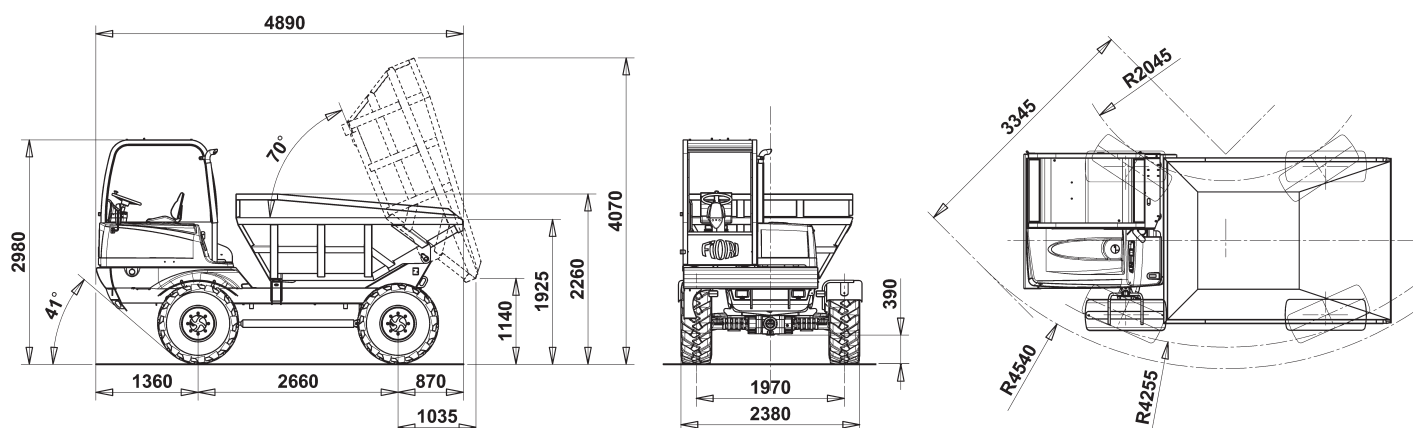
### WEIGHTS

Operating weight ..... 5300 kg  
 Max gross weight: ..... 15500 kg  
 load-carrying capacity: ..... 10200 kg

Valid as of 01/2012. All the data are purely indicative and may change without prior notice.

# D 100 BASIC

Transport systems with driving reversibility



## DIESEL ENGINE

PERKINS series turbo engine 1104  
 Mechanical control with direct injection  
 Max. power 82.5 kW - (112 Hp)  
 Adj. power 82 kW (111 Hp) at 2400 rpm  
 Max. torque 404 Nm at 1400 rpm  
 Bore/stroke: 105/127 mm  
 4 cylinders - total displacement 4400 cc  
 Water cooling, dry air filter  
 \* No emission compliance

## ELECTRIC SYSTEM

Alternator: 12 V - 55 A  
 Battery: 12 V - 132 Ah (600 A)  
 Road light and signalling 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.  
 Electro-hydraulically controlled mechanical gearbox for "working speed" and "road transfer" speed.

## SPEED

4 forward gears	4 reverse gears
I° 0 - 3,0 Km/h	0 - 3,0 Km/h
II° 0 - 7,2 Km/h	0 - 7,2 Km/h
III° 0 - 10,0 Km/h	0 - 10,0 Km/h
IV° 0 - 25,0 Km/h	0 - 25,0 Km/h

Traction / weight ratio ..... 48%

## AXLES AND WHEELS

Front load-bearing, oscillating ( $\pm 6^\circ$ ) 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.  
 Front and rear tyres: ..... 405/70-20 / 14 PR

## BRAKES

Internal oil-bath disc service and emergency brakes acting on the 4 wheels, activation with miniservo 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 of load-sensing power steering with double displacement on 4 steering wheels; steering selection device for: 2 steering wheels, 4 steering wheels - crab steering.

## EQUIPMENT HYDRAULIC SYSTEM

Gear pump  
 Max. flow rate: ..... 45 litres/min.  
 Maximum pressure: ..... 180 bar  
 1-element distributor.  
 Aluminium heat exchanger for hydraulic oil cooling.  
 Pressurised closed-circuit intake with oil filter replaceable from the outside.

## DUMP BODY

Reinforced dump body with tilting by means of 2 double-acting jacks.  
 Struck capacity ..... 4200 litres  
 SAE heaped capacity ..... 5600 litres

## CAB

Open cab in compliance with ROPS (ISO 3471) and FOPS (ISO 3449) 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 in cross-linked polyethylene, 95 litres  
 Total hydraulic system capacity: ..... 95 litres  
 Engine oil: ..... 9 litres

## WEIGHTS

Operating weight ..... 4850 kg  
 Max gross weight: ..... 14850 kg  
 load-carrying capacity: ..... 10000 kg

Valid as of 01/2012. All the data are purely indicative and may change without prior notice.