

D 100_{sw}

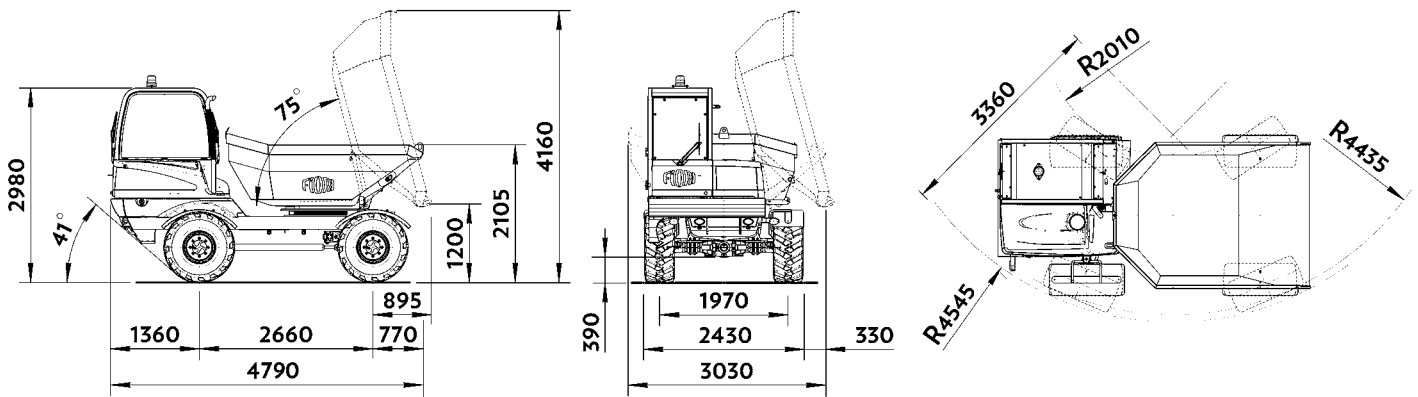


All pictures shown are for illustrative purposes only and may contain optional equipment.

DUMPER SYSTEM

With a 10,000 kg load capacity and high-power engine, the D 100 SW is the ideal hydrostatic transmission dumper for heavy-duty applications, on construction sites located in mountainous areas or on steep slopes. The only four-wheel drive off-road vehicle in the world to also feature four-wheel steering, as well as a Level II ROPS/FOPS closed cab, reversible driver's seat and a tipper body with 180° positioning for unloading on three sides, the D 100 SW excels in terms of handling, visibility, comfort, and safety. The small turning radius, the oscillating front axle with tilt-limiting system, and the low cab and operator position complete the package offered for this proudly top-end model.

FIORI



| DIESEL ENGINE | No emission compliance | Stage IIIA / Tier 3 | Tier 4 Final EPA | Stage V |
|----------------------|--|--|-------------------------------------|-------------------------------------|
| Model : | PERKINS serie 1104 | PERKINS serie 1104 | KOHLER series KDI 3404 TCRSCR | PERKINS series 904J-E36TA |
| Type : | Turbo | Turbo Intercooler | Turbo Intercooler | Turbo Intercooler |
| Total displacement : | 4400cc - 4 in linea | 4400cc - 4 in line | 3400cc - 4 in line | 3600cc - 4 in line |
| Injection : | Mechanical control with direct injection | Mechanical control with direct injection | Electronic control with Common Rail | Electronic control with Common Rail |
| Aftertreatment sys.: | - | - | EGR + DOC + SCR | EGR + DOC + DPF + SCR |
| Cooling : | air water, dry air filter | air water, dry air filter | air water, dry air filter | air water, dry air filter |
| Maximum power : | 82.5 kW (112 Hp) | 83 kW (113 Hp) | 90 kW (122 Hp) | 90 kW (122 Hp) |
| Adj. power. : | 82 kW (2400 rpm) | 83 kW (2200 rpm) | 90 kW (2200 rpm) | 90 kW (2400 rpm) |
| Maximum torque : | 404 Nm a 1400 rpm | 418 Nm a 1400 rpm | 500 Nm a 1400 rpm | 500 Nm a 1.500 rpm |
| Alternator : | 12V - 65 A | 12V - 65 A | 12V - 90 A | 12V - 120 A |

ELECTRIC SYSTEM

Battery: 12 V - 132 Ah (600 A)
Road light system, rear working lights,

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 - 3.7 Km/h
III° 0 - 11.8 Km/h 0 - 11.8 Km/h
IV° 0 - 30.0 Km/h 0 - 11.8 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 16PR

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: 230 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 with tilting by means of 2 double-acting jacks. Orientation over 180° for trilateral unloading by means of "heavy-duty" ball fifth wheel, with hydraulic rotation and automatic locking by means of negative brake.
Struck capacity 3700 litres
SAE heaped capacity 5200 litres

CAB

Closed cab with heating system, designed in accordance with ROPS FOPS.
180° pivoting driving post. Anatomic seat with flexible suspension and height adjustment, seat belts.
Driving and equipment controls with ergonomic arrangement.
Sliding window on cabin door.
LCD TV display with camera for rear visibility.

SERVICE REFILL CAPACITIES

Fuel tank in cross-linked polyethylene, 95 litres
Total hydraulic system capacity: 105 litres
Engine oil: 8 kg

WEIGHTS

Operating weight 5700 kg
Max gross weight: 16000 kg
load-carrying capacity: 10000 kg