

FIORI

D 100

The ideal dumper for big jobs:

- where places are narrow through its 4 wheel steering
- where is not possible to U-turn through the 180° pivoting driver's seat
- where operators are exigent and want to have an efficient and comfortable machine through the hydrostatic transmission
- if there is somewhere you can't go to, through Fiori dumpers now you can

Max payload 10 ton.
Heaped capacity 5,5 cu.m.
Diesel engine 101 Hp

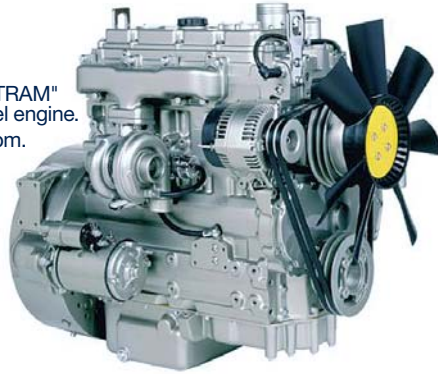


Minimum transfer length:	4,930 mm
Max width:	2,340 mm
Max transfer height:	3,060 mm
Front pitch:	40°
Ground clearance (below differentials):	400 mm



DIESEL ENGINE

Make/Type: PERKINS 1104C-44T "FASTRAM"
direct fuel injection turbo aspirated diesel engine.
Max power 74,5 KW (101 HP) at 2,300 rpm.
Max torque 412 Nm at 1,400 rpm.
N 4 cylinders. Displacement 4,400 cc.
Bore and stroke 105 x 127 mm.
Dry air cartridge filter.
Water-cooled.
Conforms with exhaust emission
directive 97/68 CE (STAGE 2)
and EPA regulations.



HYDRAULIC SYSTEM

Gear pump - 1 way control valve
Max flow-rate: 54 l/min
Max pressure: 180 bar
Oil filter replaceable from the outside.
Pressurized closed circuit suction system.



ELECTRICAL SYSTEM

Starter motor 12V - 2.8 kW.
Alternator 12 V - 55 Ampere.
Battery 12 V - 132 Amp/h - (600 Amp).
Electrical engine ignition/stop device.
Plug heater cold starting device.



FOUR-WHEEL DRIVE

"Automotive" hydrostatic transmission with
variable-displacement pump and automatic
variable-displacement hydraulic motor.
Drive enable safety device on the accelerator pedal.
Air/oil heat exchanger for oil cooling.
Mechanical 2-speed gearbox (with
electrohydraulic selector for working speed and
drive speed), enbloc with the rear axle.

GEAR: Total:	4 FORWARD:	4 REVERSE:
1 st	0 - 4.6 Km/h	0 - 4.6 Km/h
2 nd	0 - 10.6 Km/h	0 - 10.6 Km/h
3 rd	0 - 13.7 Km/h	0 - 13.7 Km/h
4 th	0 - 30.0 Km/h	0 - 30.0 Km/h

Drive/weight ratio: 44%



AXLES

FRONT: oscillating ($\pm 6,5^\circ$), steering and bearing
type with planetary reduction at the wheel hubs.
REAR: steering, bearing type with planetary
reductions at the wheel hubs.



TYRES

Front and rear tyres 16.0/70 - 20



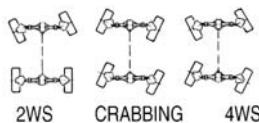
BRAKES

SERVICE AND EMERGENCY
BRAKES:
disc-brakes in oil bath housed
inside the hubs, acting on all 4
wheels, fed by single pump on
independent split circuit.
PARKING BRAKE:
disc brake on front axle with lever mechanical
control.



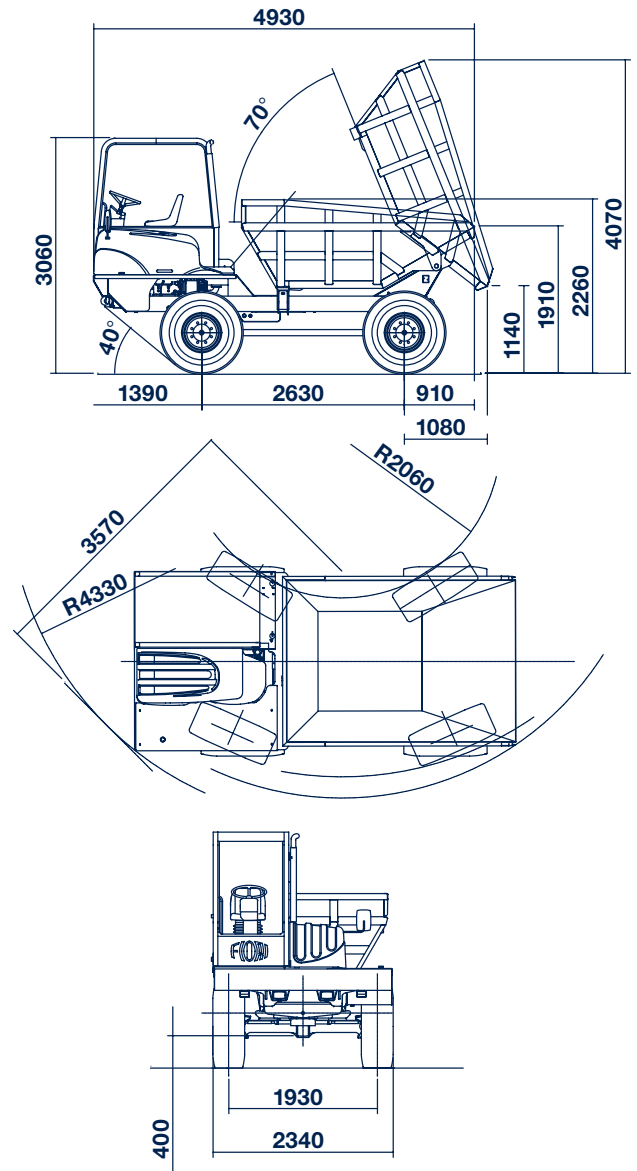
STEERING

Hydrostatic (ORBITROL type), "Load sensing" of
dual displacement, with steering wheel control.
Swept volume: 200/100 cc
Max working pressure: 190 bar
4-wheel steering by means of n°2 double steering
cylinders acting as connection rods.
In-cab steering mode selector.
Available modes:
2- wheel steering/4- wheel steering/"Crabbing".
Minimum inside wheel turning radius: 2,060 mm
Minimum outside wheel turning radius: 4,300 mm



CHASSIS

Electrically welded high-tensile steel chassis.
Hydraulic control for skip lift up by means of hydraulic
double-action jacks.



ALL SPECIFICATIONS ARE INDICATIVE AND MAY BE CHANGED WITHOUT PRIOR NOTICE.
PHOTOS SHOW OPTIONAL ACCESSORIES.



SERVICE CAPACITIES

Fuel tank:	100 litres
Total hydraulic oil:	110 litres
Diesel engine oil:	7,5 litres



WEIGHTS AND CAPACITIES

On-road set-up with cab roof:	4,850 Kg
Load-carrying capacity (at max speed):	10,000 Kg
Skip capacity struck:	4,200 litres
Skip capacity heaped (SAE):	5,500 litres



DRIVER'S PLACE

Open safety ROPS cab.
Equipment on demand: front and rear
windscreen with washer/wiper and/or closed
cab.
Swivel, mounted on a ball-bearing center-plate;
anatomically designed, fully adjustable seat
with safety belt.
Instrumentation: engine ignition/off switch;
cold starting device; hour meter.
Warning lights: engine coolant temperature,
hydraulic filter clogged, preheating, generator
charge, direction indicators, clearance lights,
low-beams, engine oil pressure, fuel level,
beacon, "warning". Headlight and direction
indicators switch.
Fuses and relays box (water proof).