



DB 150

The ideal concrete mixer for small jobs:

- where places are narrow through its max. width of 1782 mm
- where the ground is rough and impervious through its great stability deriving from the articulated chassis and the oscillating rear axle
- 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

Concrete yield 1,5 cu.m.
Diesel engine 47,5 hp

DRIVE CAB:

swivel, mounted on a ball-bearing center-plate, anatomically-designed seat with elastic suspension, vehicle and mixer controls ergonomically arranged.

INSTRUMENTATION:

engine ignition/cut switch, heater plug cold-start device. Hour counter, engine coolant temperature warning light. Other warning lights: hydraulic filter clogged, traverse, plug pre-heating, generator charge, indicators, side lights, dipped headlights, oil pressure, fast vehicle drive gear, fuel level, flashing on-cab hazard light. Headlight and indicator lights switch. Waterproof fuse and relay box.

CAB ROOF: glass-free rops-cab.

SAFETY SYSTEMS: built into the electro-hydraulic system, these prevent accidental engagement of drive transmission (forwards and reverse). This is achieved thanks to an enabling device on the accelerator pedal. Accidental descent of the bucket arms is also prevented by an electrical enabling device on the control stick. Furthermore, engine ignition is only possible with the forward and reverse lever in neutral.

TOOL KIT: routine maintenance equipment, water suction hose complete with filter, n°1 discharge chute extensions, safety stays, number plate holder.

ITALIAN HOMOLOGATION: on road with full-load.



Minimum transfer length:	4.450	mm
Max length with bucket on ground:	5.240	mm
Max width:	1.780	mm
Min height with bucket on ground:	2.600	mm
Max transfer height:	3.270	mm
Front pitch: 37° Rear pitch: 45°		
Ground clearance (below differentials):	275	mm

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DIESEL ENGINE

Make: LOMBARDINI CHD 2004 indirect fuel injection aspirated diesel engine.
Max power (EEC 80/1269) 35 KW (47.5 HP) at 3,000 rpm
Max torque 130 Nm.
N° 4 cylinders-Swept volume 2,067 cc.
Bore and stroke 88x85 mm.
Dry air cartridge filter.
Water-cooled.



ELECTRICAL SYSTEM

Starter motor 12V - 2.2 KW.
Alternator 12V - 45 Ampere.
Battery 12V - 100 Amp/h - (450 Amp).
Electrical engine ignition/stop device.
Plug heater cold starting device.



FOUR-WHEEL DRIVE

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

GEAR: Total:	4 FORWARD:	4 RESERVE:
1 st	0 - 4.6 Km/h	0 - 4.6 Km/h
2 nd	0 - 7.2 Km/h	0 - 4.6 Km/h
3 rd	0 - 12.9 Km/h	0 - 12.9 Km/h
4 th	0 - 20.5 Km/h	0 - 12.9 Km/h
Drive/Weight ratio: 55%		



AXLES

FRONT: oscillating (+/- 10%) bearing axle with planetary final drive at the wheel hubs.
REAR: bearing axle with planetary final drive at the wheel hubs.



BRAKES

SERVICE AND EMERGENCY BRAKES: disc-brakes in oil bath housed inside the hubs, acting on all 4 wheels, fed by double pump on independent twin circuit.
PARKING BRAKE: lever-controlled drum brake on front axle.



TYRES

Front and rear tyres 10.5 - 18 8 PR.



STEERING

Hydrostatic (ORBITROL) power steering fed by independent pump with steering wheel control.

Swept volume	100 cc
Max working pressure	100 bar
Power steering pump flow rate	25 l/min
Controlled by n°2 opposing steering cylinders acting on the central articulation.	
Minim. inside wheel turning radius	2,590mm
Minim. outside wheel turning radius	4,380mm



CHASSIS

Electrically welded high-tensile steel chassis, articulated with centre joint. Drum lifting as far as the horizontal is achieved thanks to 2 double action hydraulic jacks. Unloading chute with manual tilt and 180° rotation, independent of mixing drum tilt. Chute can be removed via n°2 pins with handle for direct off-loading from the hopper.

Max hopper off-loading height	1,650 mm
Max chute off-loading height	1,250 mm
Min chute off-loading height	1,130 mm



HYDRAULIC SYSTEM

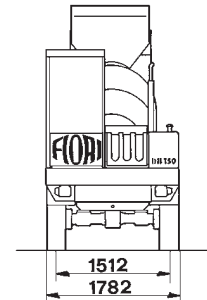
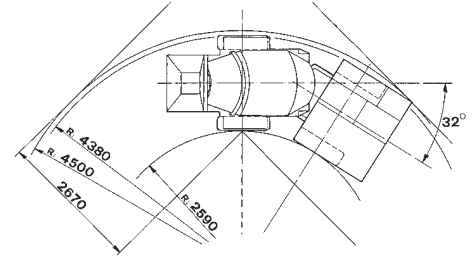
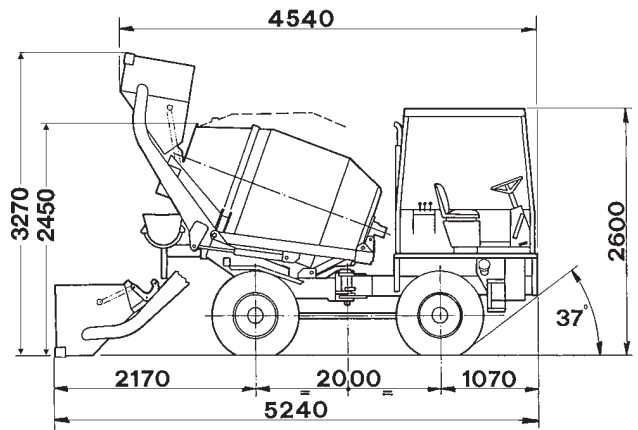
Gear pump-4way control valve	
Max flow-rate	33 l/min
Max pressure	160 bar



DRUM

Drum with large double-spiral mixing paddles. Dead slow drum speed for inspection and emergency off-load. Drum rotated by gear pump with even flow-rate control valve for fine-tuning of rotation speed whatever the engine speed.

Dum volume	2,100 litres
Max concrete yield	1,500 litres
Drum rotation speed (both directions)	0 - 23 rpm



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



LOADING BUCKET

Loading arms with fixed bucket and automatic unloading hatch.
Load capacity: 400 litres.
Number of bucket required per load: 5 - 6



WATER SYSTEM

Water pump: fast suction positive-displacement self-priming rotor type.
Max flow-rate: 250 l/min
Max head: 2.0 bar
Total front chassis water tank capacity: 240 litres
Water pump and suction selector controls located in cab



SERVICE REFILL CAPACITIES

Fuel tank:	45 litres
Total hydraulic oil:	90 litres
Diesel engine oil:	4.5 litres



WEIGHTS

On-road set-up with cab roof:	3,450 Kg
Max homologated weight:	7,050 Kg
Homologated load-carrying capacity (at max speed)	3,600 Kg