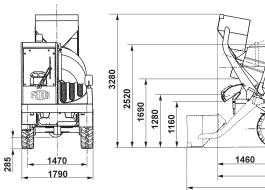
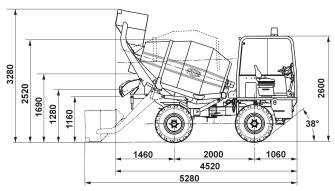
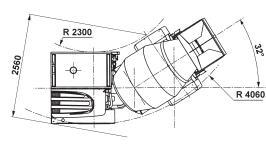


MIXER SYSTEM

DB 180







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 2,600 rpm Max. torque 139 Nm at 1,200 rpm Bore/stroke: 88/90 mm 4 cylinders - total displacement 2,190 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 electrohydraulic control.

Electro-hydraulically controlled mechanical gearbox for "working speed" and "road transfer" speed.

SPEED

4 forward gears		2 reverse gears	
l°	0 - 5.0 Km/h	0 - 5.0 Km/h	
ll°	0 - 7.2 Km/h	0 - 5.0 Km/h	
III°	0 - 14.2 Km/h	0 - 14.2 Km/h	
IV°	0 - 20.2 Km/h	0 - 14.2 Km/h	
Trac	tion / weight ratio	55%	

AXLES AND WHEELS

Front load-bearing, oscillating (± 7°) with planetary reduction gears on the wheel hubs.

Rear load-bearing 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 of load-sensing power steering acting on 2 half-frames by means of two opposed jacks.

EQUIPMENT HYDRAULIC SYSTEM

Gear pump	
Max. flow rate:	litres/min.
Maximum pressure:	170 bar
3-element distributor with joystick	

Aluminium heat exchanger for hydraulic oil

Pressurised closed-circuit intake with oil filter replaceable from the outside.

MIXING AND POURING

Double-cone drum with double-spiral mixing screws

Geometrical drum volume:2,560 litres	3
Drum rotation speed: 20 rpm	
Class S1 concrete produced as :1.8 cu m	1
Drum rotation by means of a piston pump with	1
variable flow rate and an orbital hydraulic mo-	-
tor in closed circuit with infinitesimal electrica	I
control positioned in the cabin and at the real	r
of the machine	

Drum raising up to the horizontal position by means of 2 double-acting jacks.

Chute with manual tilting independent of the mixing drum inclination and 180° rotation. Removable chute, for direct unloading from hop-

1 chute extensions provided as standard equipment.

"Self-priming" volumetric water pump with
quick-suction.
Max. capacity:140 litres/min.
Maximum head: 3 bar
One sheet tank on the engine side with a ca-
pacity of240 litres.
Mix Control system for programmable and
controlled management of water feeding to
the drum and of mixing and unloading from
the ground panel. Water feeding to the drum
controlled by means of electromagnetic flow
meter and fed litre reading on both the cabin
display and at the rear of the vehicle.

Water pump activation from the driver's seat and from the ground panel. Suction selection from the ground with quick-coupling pipes.

LOADING SHOVEL

Loading arms with fixed loader and au	utomatic
unloading hatch.	
Volumetric capacity: 4	70 litres
Number of shovelfuls per load	5 - 6
Production capacity: up to 4 cycles/ho	ur

CAB

Open cab designed according to ROPS & FOPS Lev. I criteria, windows on three sides. 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,	46	litres
Total hydraulic system capacity:	50	litres
Engine oil:	3.4	litres

WEIGHTS

Operatingweight:		3,700 kg
Max gross weight		. 8,400 kg
load-carring capa	city:	4,700 kg