

DB X50

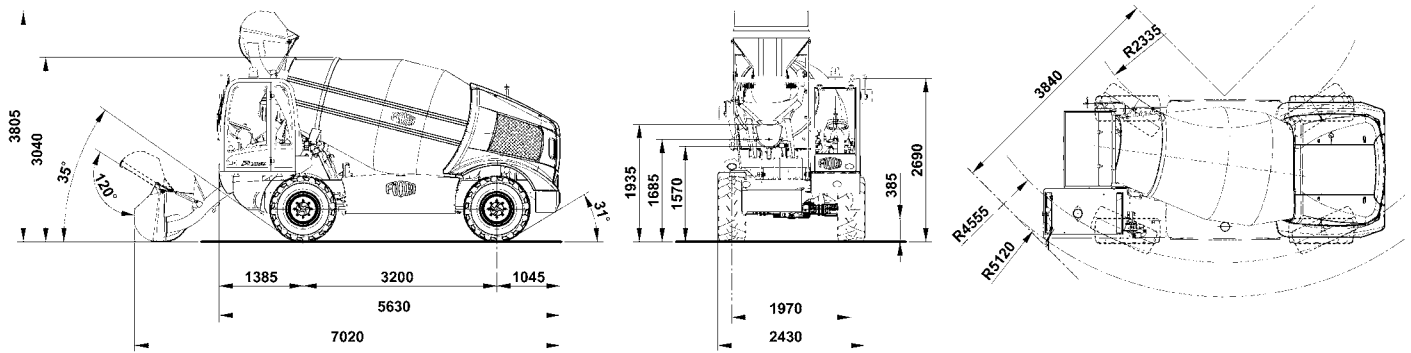


All pictures shown are for illustrative purposes only and may contain optional equipment.

MIXER SYSTEM

Best price and productivity are the distinguishing features of DB X50, the most price-worthy and performing concrete mixer with front self-loading system ever manufactured. With its reduced dimensions, compactness and handling, DB X50 features a top yield of 5.0 m³ concrete. The special position of the drum and the design of the arm-unloading chute system (with hydraulic lifting as standard equipment) improve visibility during casting operations. Provided with an innovative grab bucket that maximises loading operations, this product can achieve a daily productivity of 120-130 m³ concrete. DB X50 can come equipped with an exclusive computerised system for managing the CBV production process (optional) and so obtain a certified quality concrete. Everywhere.

FIORİ



DIESEL ENGINE	No emission compliance	Stage IIIA / Tier 3	Stage IIIB / Tier 4 Interim
Model :	PERKINS series 1,104 turbo	PERKINS series 1,104 turbo	PERKINS series 854 E turbo
Total displacement, no Cylinders:	4,400cc - 4 in line	4,400cc - 4 in line	3,400cc - 4 in line + DPF
Injection :	mechanical control with direct injection	mechanical control with direct injection	Electronic control with direct injection
Cooling :	air water cooling, dry	air water filter, dry	air water filter, dry air filter
Maximum power:	82.5 kW (112 Hp)	83 kW (113 Hp)	83 kW (113 Hp)
Adj. power :	82 kW (2,400 rpm)	83 kW (2,200 rpm)	83 kW (2,200 rpm)
Maximum torque:	404 Nm a 1,400 rpm	418 Nm a 1,400 rpm	450 Nm a 1,400 rpm

ELECTRIC SYSTEM

Alternator:12 V - 55 A
 Battery: 12 V - 132 Ah (600 A)
 Road light 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 2 reverse gears
 Ist 0 - 3.0 Km/h 0 - 3.0 Km/h
 IInd 0 - 7.2 Km/h 0 - 3.0 Km/h
 IIIRD 0 - 10.0 Km/h 0 - 10.0 Km/h
 IVth 0 - 25.0 Km/h 0 - 10.0 Km/h
 Traction / weight ratio43%

AXLES AND WHEELS

Front and steering with planetary reduction gears on the wheel hubs and flanged gearbox.
 Rear, oscillating ($\pm 6^\circ$) with planetary reduction gears on the wheel hubs.
 Tyres 18-19.5 18 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 front 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.

WATER SYSTEM

"Self-priming" volumetric water pump with quick-suction.
 Max. capacity:250 litres/min.
 Maximum head: 4 bar
 Two connected tanks positioned opposite each other made of polyethylene with a total capacity of 1,200 litres.
 Water feeding to the drum controlled by means of electromagnetic flow meter and fed litre reading on the cabin display.
 Water pump activation from the driver's seat.
 Suction selection from the ground with quick-coupling pipes.

MIXING AND UNLOADING

Double-cone drum with double-spiral mixing screws and convex bottom.
 Geometrical drum volume:7,000 litres
 Drum rotation speed: 19 rpm
 Class S1 concrete produced as : 5.0 cu m
 Drum rotation by means of a piston pump with variable flow rate and an orbital hydraulic motor in closed circuit with infinitesimal electrical control positioned in the cabin.
 Unloading chute with hydraulic tilting by means of a double-acting jack and control placed inside the cabin.
 1 unloading chute extension provided as standard equipment.

EQUIPMENT HYDRAULIC SYSTEM

Gear pump
 Max. flow rate:45 litres/min.
 Maximum pressure:230 bar
 3-element distributor servo-controlled with multi-function joystick.
 Aluminium heat exchanger for hydraulic oil cooling.
 Pressurised closed-circuit intake with oil filter replaceable from the outside.

LOADER

Loading device with grab bucket and lifting arms controlled by double-acting hydraulic cylinders. Automatic unloading hatch driven by a mechanical lever.
 Volumetric capacity:680 litres
 Number of loaderfuls per load:around 10

CAB

Closed cab with heating system, designed in accordance with ROPS & FOPS Level I standards.
 Tilting front window.
 Anatomic seat with flexible suspension and height adjustment, seat belts.
 LCD TV display with camera for rear visibility.

SERVICE REFILL CAPACITIES

Fuel tank: 85 litres
 Total hydraulic system capacity: 95 litres
 Engine oil: 9 litres

WEIGHTS

Operating weight 6,800 kg
 Max gross weight: 19,100 kg
 load-carrying capacity: 12,300 kg