



**DB110**



Great stability, even at full load, these machines are also on off-road routes difficult due to the front swinging axle. Extremely compact machine for use in confined spaces.



Even though small, the model DB 110 offers a high standard of the equipment designed to assist the operator. Is equipped as standard with the automatic shutter of the mechanical loading shovel to avoid loss of materials in the loading phase inside the drum.



Mixing system tested and approved for the production of high quality concrete due to the particular shape of the drum and the proper system in loading components.



Water tank positioned at the front for better weight distribution in order to always operate in safety conditions.



Additional device the operator can also rotate the drum from the ground and in addition to the cabin. The device is located near the discharge chute to better control the speed of discharge of concrete.

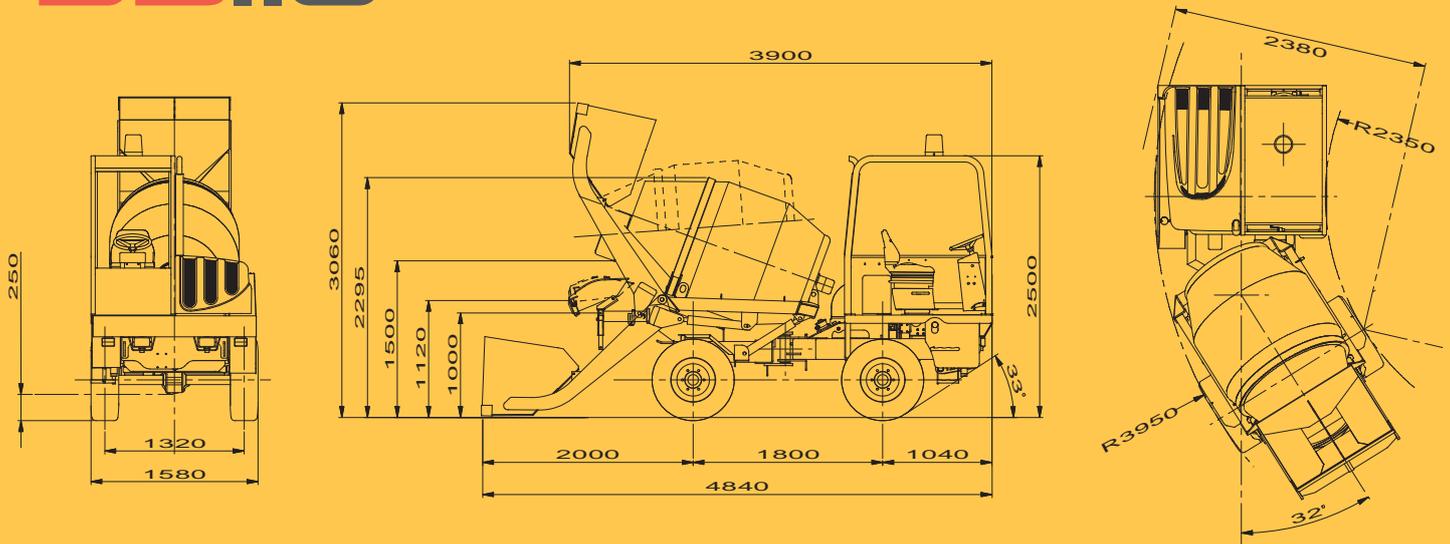


High-tensile electrowelded steel frame, articulated with frontal oscillating bridge for greater stability, and double soft-system jack for faster and comfortable handling.



Unique in its class 1 cu.m with open ROPS cab. With the driving reversible 180 ° for better visibility during the loading of materials. It can be equipped with trilateral glass.

## DB110



### DIESEL ENGINE

Mark YANMAR diesel 4TNV88 - (50Hp)  
 Reg. Power 32.3 kW (44 Hp) a 2.600 rpm  
 Max torque 139 Nm  
 Cylinders nr. 4 - Displacement 2.190 cc  
 Dry air cartridge fi lter  
 Water-cooled - Direct fuel injection  
 Emissions 2004/26/CE and EPA

### ELECTRICAL SYSTEM

Alternator 12V - 45 A  
 Battery 12V - 80 AH (400 A)

Four-Wheels drive  
 hydrostatic" automotive" 2 speed  
 speed: 2 forward - 2 reverse  
 1a 11,0 Km/h - 11,0 Km/h  
 2a 19,0 Km/h - 11,0 Km/h  
 Drive/Weight ratio: 31%

### AXLE

Front: bearing, oscillating ( $\pm 7^\circ$ ) axle  
 with planetary final drive on wheel hubs  
 Rear: bearing axle with planetary final  
 drive on wheel hubs and distribution  
 frame block assembled on differential box

### BRAKES

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

### TYRES

Front and rear tyres 10.0/75 - 15,3

### STEERING

servoassisted steering by load-sensing  
 power-steering acting on 2 hydraulic jacks;  
 Minim. inner wheel turning radius: 2.350 mm

### CHASSIS

High resistance chassis in steel ST52  
 Max hopper off-loading height: 1.500 mm  
 Max chute off-loading height: 1.120 mm  
 Min. chute off-loading height: 1.000 mm

### CAB

Open safety ROPS - FOPS with swivel 180° driving  
 post Lights and direction indicators for road  
 circulation

### HYDRAULIC SYSTEM

Gear pump - 3 way control valve  
 and aluminium oil cooling. Pressurized system.  
 Max flow-rate: 30 l/1'  
 Max pressure: 170 bar

### WATER SYSTEM

Fast suction water pump, self-priming  
 rotor type Max flow-rate: 250 l/1'  
 Max head: 2.0 bar  
 Tank capacity: 185 l.  
 Water pump control located in cab  
 and on ground, suction control from  
 ground with fast coupling.

### DRUM

Drum rotated by hydrostatic transmission with  
 variable flow pump with electrohydraulic control  
 located in the cab and in machine back side.  
 Drum rotation speed: from 0 to 20rpm  
 Drum volume: 1.600 l  
 Max concrete yield: 1.100 l  
 Nr. 1 discharge chute extensions  
 Movable chute support.

### LOADING BUCKET

Load bucket capacity 320 l.  
 Number of bucket required per load 4

### SERVICE REFILL CAPACITIES

Fuel tank: 40 l.  
 Hydraulic oil tank: 60 l.

### WEIGHTS

On-road set-up weight: 3.100 kg.  
 Max homologated weight: 5.700 kg.  
 Homologated load-carrying weight: 2.600 kg.