

Self-propelled **Mixing Systems**



**DB180**



Great stability, even at full load, these machines are also on off-road routes difficult due to the front swinging axle.



Even though small, the model DB 180 offers a high standard of the equipment designed to assist the operator. It is equipped as standard with the automatic closing 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.



Unique in its class with MIX CONTROL device . Digital flowmeter programming the quantity of water in the concrete, for the start / stop of the water pump and for the rotation of the drum. All in one small panel near the discharge chute . The same operations can be done from the cab.

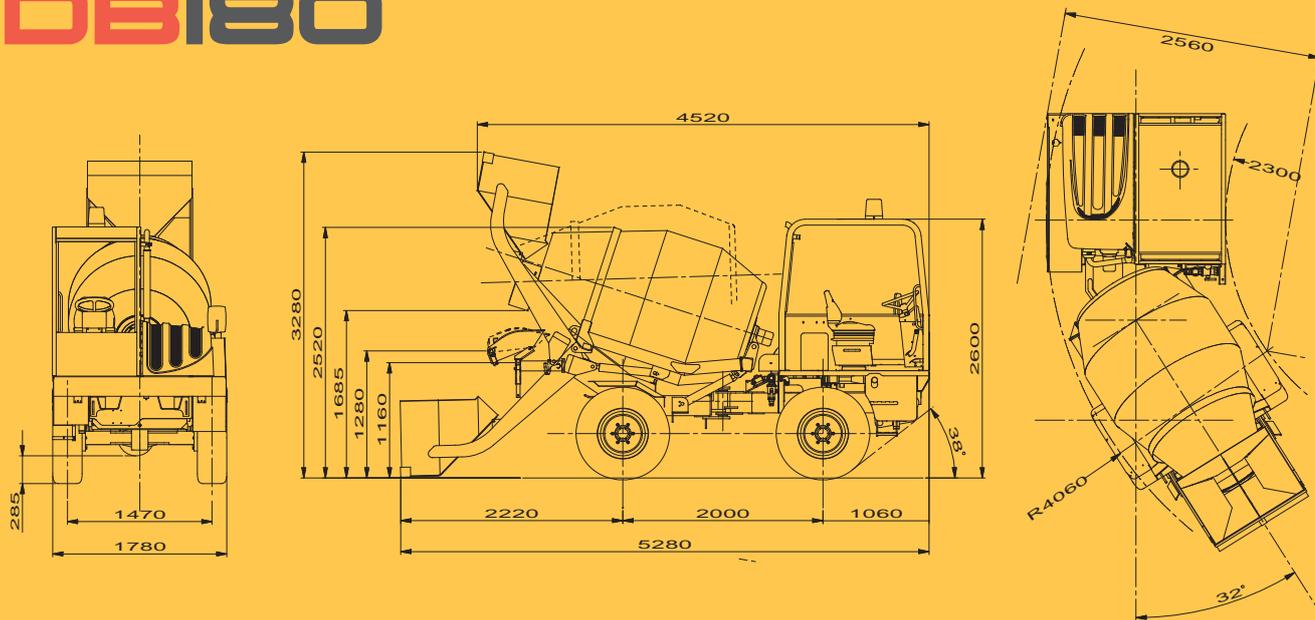


High-tensile electrowelded steel frame, articulated with frontal oscillating bridge for greater stability, and double soft-system jack for faster and comfortable handling.



With open ROPS cab. With the driving reversible 180 ° for better visibility during the loading of materials. It can be equipped with trilateral glass or closed cab with heating.

## DB180



### 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-WHEEL DRIVE

Hydrostatic automotive a 2 speed,  
 mechanical 2 speed gearbox  
 speed: 4 forward - 4 reverse  
 1a 4,0 Km/h - 4,0 Km/h  
 2a 7,0 Km/h - 4,0 Km/h  
 3a 12,0 Km/h - 12,0 Km/h  
 4a 20,0 Km/h - 12,0 Km/h  
 Drive/Weight ratio: 55%

### AXLE

Front: bearing, oscillating ( $\pm 7,5^\circ$ ) 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 AND EMERGENCY BRAKES:  
 disc-brakes in oil bath housed inside the hubs,  
 acting on all 4 wheels, ffd by double pump on  
 independent twin circuit. PARKING:  
 lever-controlled drum brake on front axle

### TYRES

Front and rear tyres 12.0/75 - 18

### STEERING

servoassisted steering by load-sensing power-  
 steering acting on 2 hydraulic jacks;  
 Minim. inner wheel turning radius: 2.300 mm

### CHASSIS

High resistance chassis in steel ST52  
 Max hopper off-loading height: 1.685 mm  
 Max chute off-loading height: 1.280 mm  
 Min. chute off-loading height: 1.160 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 alluminium  
 oil cooling. Pressurized system.  
 Max flow-rate: 35 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: 250 l.  
 Water pump control located in cab and on ground,  
 suction control from ground with fast coupling.  
 Automatic pump block in case of water absence

### 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: 2.550 l  
 Max concrete yield: 1.800 l  
 Nr. 1 discharge chute extensions  
 Movable chute support

### LOADING BUCKET

Load bucket capacity 400 l.  
 Number of bucket required per load 6

### SERVICE REFILL CAPACITIES

Fuel tank: 45 l.  
 Hydraulic oil tank: 60 l.

### WEIGHTS

On-road set-up weight: 3.600 kg.  
 Max homologated weight: 7.800 kg.  
 Homologated load-carrying weight: 4.200 kg.