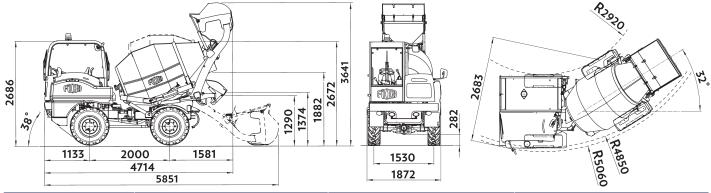


# **MIXER SYSTEM**

# **DB 200**



DIESEL ENGINE	Stage IIIA / Tier 3	Tier 4 Final EPA	Stage V
Model:	YANMAR 4TNV88	KOHLER series KDI 1903 TCR	KOHLER series KDI 1903 TCR
Type :	Naturally aspirated	Turbo Intercooler	Turbo Intercooler
Total displacement, no Cylinders:	2,190cc - 4 in line	1,861cc - 3 in line	1,861cc - 3 in line
Injection :	Direct with mechanical control	Electronic control with Common Rail	Electronic control with Common Rail
Aftertreatment sys. :	-	EGR + DOC	EGR + DOC + DPF
Cooling :	air water, dry air filter	air water, dry air filter	air water, dry air filter
Maximum power :	36.9 kW (49 hp)	42 kW (56 hp)	42 kW (56 hp)
Adj. power :	32 kW (44 hp) (2,600 rpm)	42 kW (2,600 rpm)	42 kW (2,600 rpm)
Maximum torque :	139 Nm (1,200 rpm)	225 Nm (1,500 rpm)	225 Nm (1,500 rpm)
Alternator :	12V - 40 A	12V - 55 A	12V - 55 A

#### **ELECTRIC SYSTEM**

#### **4X4 FOUR-WHEEL DRIVE**

Hydrostatic "automotive" transmission with variable displacement pump and variable displacement hydraulic motor with electrohydraulic control.

### SPEED

| forward gears | reverse gears | Slow | 0 - 7.1 km/h | 0 - 7.1 km/h | Fast | 0 - 21.0 km/h | 0 - 21.0 km/h |

#### **AXLES AND WHEELS**

Front load-bearing, oscillating ( $\pm$  6,5°) with planetary reduction gears on the wheel hubs.

Rear load-bearing with planetary reduction gears on the wheel hubs and directly flanged gearbox.

Tyres ...... 12.5 -18 16PR

#### **BRAKES**

Internal oil-bath disc service and emergency brakes acting on the 4 wheels, activation with pump on independent dual circuit.

Negative type parking brake, with internal oil-bath discs on the front axle and electrohydraulically controlled release.

#### **STEERING**

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

#### **MIXING AND POURING**

Double-cone drum with double-spiral mixing screws

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 hopper

1 chute extensions provided as standard equipment.

#### WATER SYSTEM

"Self-priming" volumetric water pump with quick-suction.

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.

#### **EQUIPMENT HYDRAULIC SYSTEM**

Gear pump
Max. flow rate: .......35 L/min.
Maximum pressure: .....245 bar

3-element distributor with 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.

#### CABIN

Open cab designed according to ROPS & FOPS Lev. I (FOPS II en option), criteria, windows on three sides. Porte cabin en option. Vitre de porte à ouverture coulissante. 180° pivoting driving post. Anatomic seat with flexible suspension and height adjustment, seat belts. Driving and equipment controls with ergonomic arrangement. LCD TV display with camera for rear visibility, optional/standard depending on engine type.

#### SERVICE REFILL CAPACITIES

Fuel tank,	50 I	_
Total hydraulic system capacity:	80 I	_
Engine oil:	. 7 kg	g

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