

Self-propelled **Mixing Systems**



DB260 SL

Absolutely Unique.



Seven **UNIQUE** features make the **DB 260**



UNIQUE in its mixing system for the production of RCK concrete approved by the Department of Applied Chemistry and Materials Science of the University of Bologna thanks to the special shape of the drum, the correct loading system and the right rotation speed.



UNIQUE in its patented "Double Reverse" system, which combines driving reversibility with 360° loading, also allowing complete mix control directly from the cabin.

30 S Leader in the market.

Absolutely Unique.



UNIQUE in its "Fast Loading" system: compensated kinematic loading mechanism driven by 5 hydraulic cylinders servo-controlled by a joystick with integrated forward movement. More than 10 cu.m concrete per hour produced.



UNIQUE in its "Cab Comfort" system: utmost ergonomics of the easy-to-operate controls, rapid-inversion guide turret with automatic readjustment, interior finishes in ABS, maximum visibility on all four sides, low noise when the cabin is closed with the fully tiltable doors.



UNIQUE in its "Easy Drive" system: superb driveability and stability at a speed of more than 30 km/h thanks to the advanced oscillation system, larger tyres, 100 HP turbo engine, high-pressure hydrostatic transmission with Dynamic Automotive, electrohydraulic gearbox and negative parking brake.

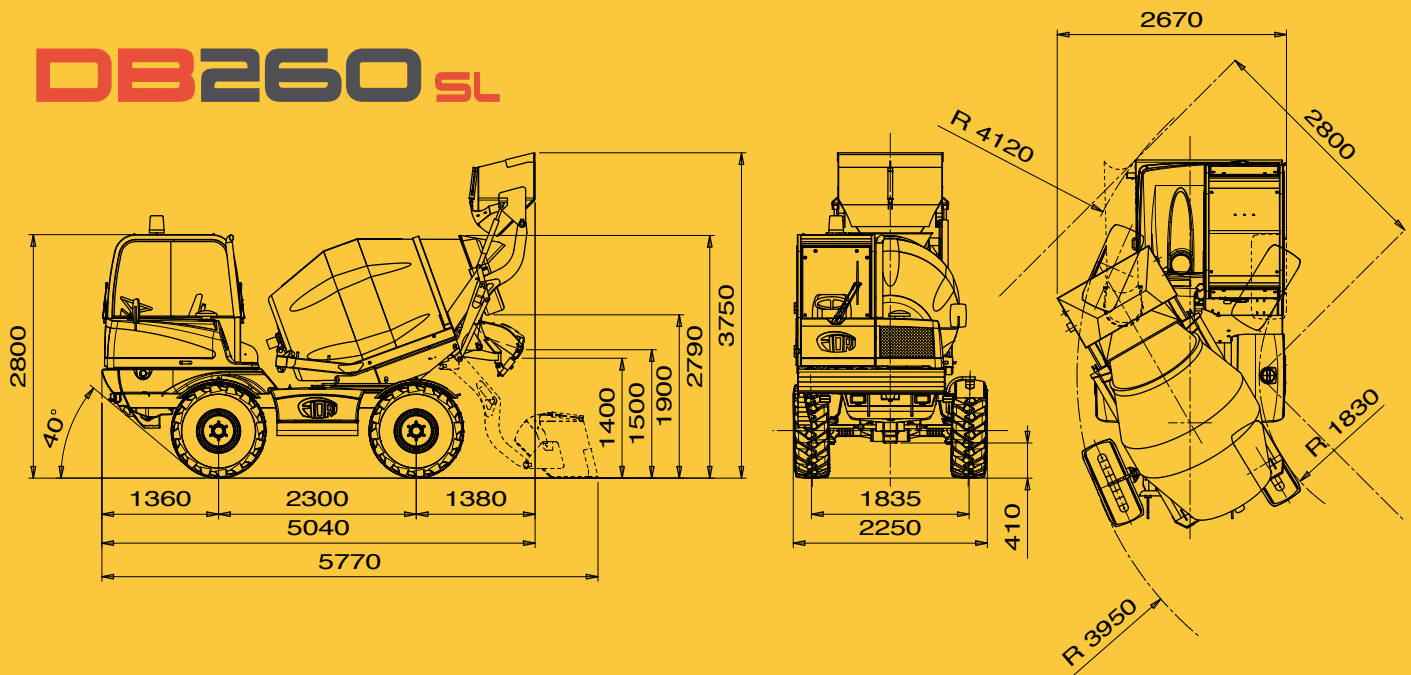


UNIQUE in its "MixControl F6000" system: programmable and controlled water intake into the drum and the mixing and unloading functions always available to the ground operator.



UNIQUE in its "Long Life" system: polyethylene water and Diesel fuel tanks to eliminate incrustations, pressurised hydraulic system, easy maintenance, and a TWO-YEAR warranty on most of the components.

DB260 SL



Diesel Engine

Mark PERKINS diesel-turbo 1104D-44T
 Max Power 74,5 Kw - (100 HP)
 Reg. Power 70 kW (95 HP) a 2200rpm
 Max torque 392Nm a 1400rpm
 Cylinders nr. 4 - Displacement 4.400 cc
 Dry air cartridge filter
 Water-cooled - Direct fuel injection
 Emissions 2004/26/CE STAGE 3 and EPA

Electrical system

Alternator 12V - 55 A
 Battery 12V - 132 AH (600 A)

Four-Wheel drive

high pressure hydrostatic "automotive"
 at 2 automatic speeds, mechanical 2 speeds
 gearbox with electrohydraulic control.

Speeds: 4 forward - 4 reverse

1a 4,6 Km/h - 4,6 Km/h
 2a 10,6 Km/h - 4,6 Km/h
 3a 13,1 Km/h - 13,1 Km/h
 4a 30,5 Km/h - 13,1 Km/h
 Drive/Weight ratio: 50%

Axle

Front: bearing, oscillating ($\pm 7,5^\circ$) steering with planetary final drive on wheel hubs
Rear: bearing, steering with planetary final drive on wheel hubs and gearbox enbloc with differential housing

Brakes

SERVICE AND EMERGENCY BRAKES:

disc-brakes in oil bath housed inside the hubs, acting on all 4 wheels, feeded by pump independent twin circuit.

PARKING:

Internal negative disc-brakes in oil bath with electrohydraulic control.

Tyres

Front and rear tyres: 405/70-20

Steering

Load-sensing servoassisted; 4 steering wheels
 In-cab steering mode selector: 2 steering wheels/4 steering wheels/crabbing
 Minim. inner wheel turning radius: 1.830 mm
 Minim. external wheel turning radius: 3950 mm

Chassis

Tubular chassis made in high-resistance ST52 steel
 Max hopper off-load height: 1.900 mm
 Max chute off-load height: 1.500 mm
 Min. chute off-load height: 1.400 mm

Cab

Open safety ROPS - FOPS with 3 windows and 180° swivelling driving post. Lights and direction indicators for road circulation

Hydraulic system

Gear pump - 5 ways control valve with joystick control; aluminium oil cooling - pressurized system
 Max flow-rate: 47 l/1'
 Max pressure: 180 bar

Water system

"Auto-suction" water pump
 Max flow-rate: 300 l/1' - Max head: 2.0 bar
 Tanks capacity: 600 l.- polyethylene
 Water pump control located in cab and on the ground with MIX CONTROL. Suction control from the ground with fast coupling pipes 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. Infinitesimal control. Bacing mounted on Heavy-Duty roller center-plate with 240° hydraulic rotating feature and automatic lock (negative brake).
 Drum rotation speed: from 0 to 23 rpm
 Geometrical Drum Volume: 3.150 l
 Max concrete yield: 2.500 l
 Nr. 2 discharge chute extensions

Loading bucket

Load bucket capacity 550 l - with hydraulic shutter closure. Required nr. 7 of buckets to load
 Up to 5 cycles per hour, more than 10 cu.m/h
 Reversal of fast speed integrated in the joystick command loading arms.

Service refill capacities

Fuel tank: 90 l. - polyethylene
 Hydraulic oil tank: 100 l.

Weights

On-road set-up weight: 5.500 kg.
 Max homologated weight: 11.500 kg.
 Homologated load-carring weight: 6.000 kg.

Mixing system for the production of RCK concrete approved by the Department of Applied Chemistry and Materials Science of the University of Bologna even without weight system.