



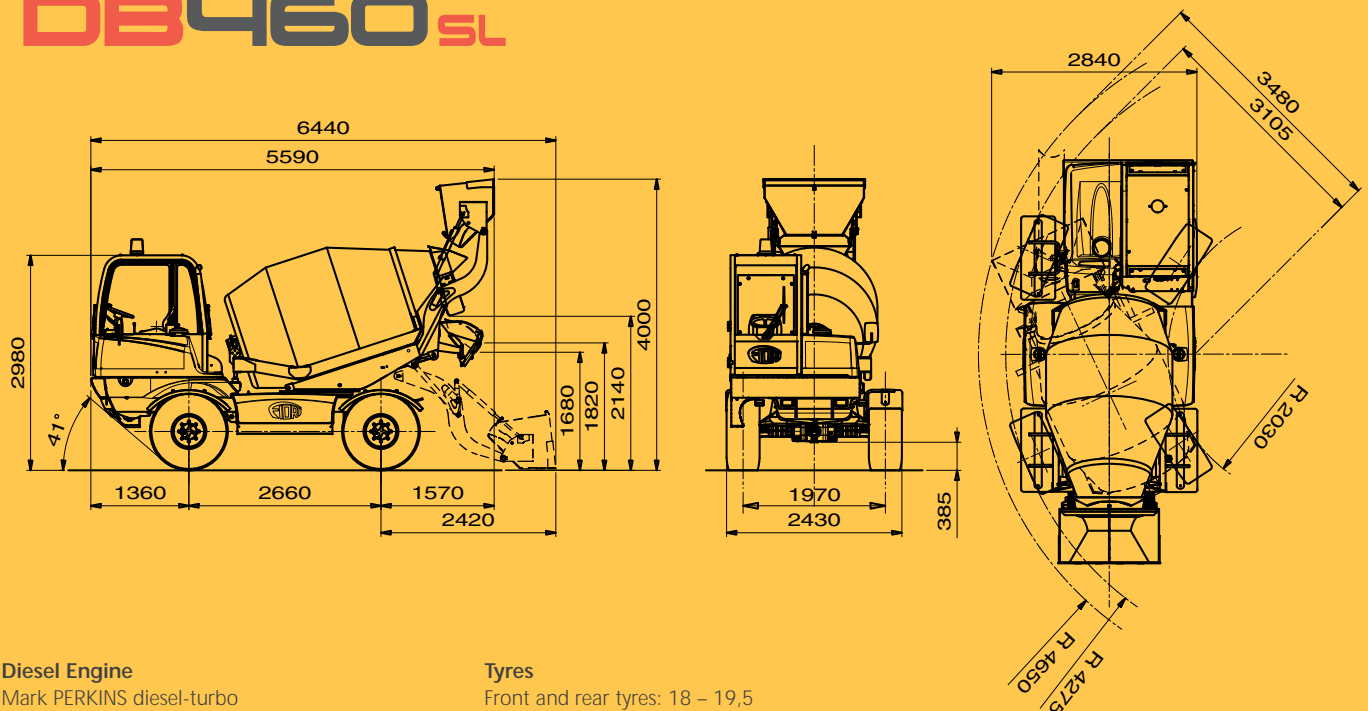
DB460 SL



*Concrete yield 4.000 liters
Drum volume 5.050 liters
Load bucket capacity 610 liters
Up to 5 cycles/hour
PERKINS ENGINE diesel-turbo
aftercooler 86,5 Kw - (118 HP)*



DB460^{SL}



Diesel Engine

Mark PERKINS diesel-turbo
aftercooler 1104D-44TA
Max Power 86,5 Kw - (118 HP)
Reg. Power 83 kW (113 HP) a 2200rpm
Max torque 418 Nm a 1400rpm
Cylinders nr. 4 - Displacement 4.400 cc
Dry air cartridge filter
Water-cooled - Direct fuel injection aftercooler
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 13,7 Km/h - 13,7 Km/h
4a 30,0 Km/h - 13,7 Km/h
Drive/Weight ratio: 40%

Axle

Front: bearing, oscillating ($\pm 6^\circ$) 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, fed by pump independent twin circuit.
PARKING: Internal negative disc-brakes in oil bath with electrohydraulic control on the frontal axle

Tyres

Front and rear tyres: 18 - 19,5

Steering

Load-sensing servoassisted; 4 steering wheels
In-cab steering mode selector: 2 steering wheels/4 steering wheels/crabbing
Minim. inner wheel turning radius: 2.030 mm

Chassis

Tubular chassis made
in high-resistance ST52 steel
Max hopper off-load height: 2.140 mm
Max chute off-load height: 1.820 mm
Min. chute off-load height: 1.680 mm

Cab

Closed safety ROPS - FOPS with heating 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: 50 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: 900 l. - polyethylene (PESL)
Water pump control located in cab and on the ground. 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 21 rpm
Geometrical Drum Volume: 5.050 l
Max concrete yield: 4.000 l
Nr. 3 discharge chute extensions

Loading bucket

Load bucket capacity 610 l - with hydraulic shutter closure.
Required nr. of buckets to load: 9 /10 - Up to 5 cycles/hour

Service refill capacities

Fuel tank: 95 l. - polyethylene (PER)
Hydraulic oil tank: 100 l.

Weights

On-road set-up weight: 7.000 kg.
Max homologated weight: 16.500 kg.
Homologated load-carrying weight: 9.500 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