



R40
revolution





DESCRIPTION (UNI 10929:2011) Self-loading concrete mixer - Concrete net output : 4,5 m³ (class S1) - Front loading - Trilateral unloading (slewing 315°) - N.4 wheel steering/drive - Loading by rigid bucket - Cab welded to the rotating drum and slewing at 315°

ENGINE Perkins 1104D-44TA, Diesel Turbo Aftercooled - 4 stroke 4 cylinder - Max Power 83 kW (113 hp) @ 2.200 RPM - Max torque 418 Nm 1.400 RPM - Water Cooled - Dry Air Filter - USA EPA Tier 3/EU Stage IIIA Conformity Deutz TCD3.6L04 - Diesel 4 stroke - N.4 cylinder in line - Turbo Aftercooled - Electronic Control - Common rail - Max. Power 90,0 kW (122 hp) a 2.200 RPM - Max. torque 480 Nm a 1.600 rpm - Water cooled - Dry air filter - Conformity EU STAGE IIIB/USA EPA Tier 4i

TRANSMISSION 4x4 full wheel drive, 4 gears forward/reverse (2 hydraulic, 2 mechanic) - Max speed 35 Km/H - Max slope full loaded 40% - Hydrostatic "automotive" transmission with variable displacement pump and variable displacement hydraulic motor controlled by an electro-hydraulic lever for "slow"/"fast" gear and reverse movement selection - Mechanical gearbox for "work" and "transfer" gear with electro-hydraulic control lever - Inching Pedal.

AXLES Both load-bearing and steering with planetary reduction gears on the wheel hubs - Front axle oscillating at 10° - Rear axle fixed with flanged gearbox

BRAKES Hydraulic internal oil-bath disc service brake acting on all 4 wheels activated by a dual circuit independent pump - Hydraulic internal oil-bath disc parking brake acting directly on rear axle with hydraulic control negative - Emergency brake incorporated directly in service

STEERING Hydrostatic fed by an independent pump - Four wheel steering by means of 2 double action cylinders - Steering selector device on operator's console for: front wheel drive/ 4 wheel bi-lateral drive/ 4 wheel parallel drive (crab mode)

FRAME Electrically welded high-tempered steel - Frame mounted on roller bearing swivel ring with 315° hydraulic rotation by means of a reduction gearbox - Hydraulic drum lifting control by means of double-acting cylinder - High capacity hopper - Unloading chute with hydraulic tilting by means of a double-acting cylinder controlled both from operator's turret and ground - Hydraulic 180° chute rotation by means of a double-acting cylinder controlled from operator's turret

DRUM with big double spiral mixing blades, double cone and convex bottom - Emergency manhole for inspection or emergency unloading - Drum rotation by means of a hydrostatic transmission with variable displacement pump and orbital motor coupled to gearbox with infinitesimal electro-hydraulic control both from the operator's turret and ground - Geometric volume 5800 Lt - Max concrete yield 4,5 m³ (S1 class) - Drum speed 22 RPM - 315° slewing drum - Drum raising by means of a double-acting lift cylinder for quick unloading

BUCKET Rigid high inclined bucket for fast and hassle free aggregates discharge positioned on a loading arm driven by 2 double-acting hydraulic cylinders - Capacity 500 Lt (132 gals.) - Single lever control - 18 m³/hour productivity

OPERATOR'S TURRET Welded to the rotating frame, slewing at 315°, allows perfect visibility in transfer and work phases - Anatomic seat with flexible suspension and height adjustment, seat belts - Adjustable articulated armrest with joystick - Large high visibility windshield with electric wiper - Steering column in ABS with electronic display and ergonomic user friendly dashboard and control panels - 4-side closed ROPS FOBS cabin

HYDRAULIC SYSTEM 3-element hydraulic distributor - Piston variable displacement pump 50Lt @ 1000 RPM for drum rotation - Gear pump 26Lt @ 1000 RPM for utilities - Gear pump 20Lt @ 1000 RPM for steering and breaks - Oil 16 µm filter on hydraulic intake circuit - N 2 aluminium heat exchangers for hydraulic oil cooling

WATER SYSTEM Self-priming volumetric water pump with quick-suction activated by hydraulic motor controlled both from the driver's seat and from the ground - Flow rate 500 Lt/min. (131 gals.) - Max head 2,2 bar - 2 water tanks with total capacity approx. 700 Lt (185 gals) - Quick-coupling water intake hoses with filter - Cleaning hose - Electronic water meter

ELECTRICAL SYSTEM Starter 12V 3 kW - Alternator 12V 95A with regulator incorporated - Battery 12V 110Ah (900A)

GROUND COMMANDS Water meter and water pump commands, drum rotation, chute up/down commands, emergency stop

SERVICE REFILL CAPACITIES

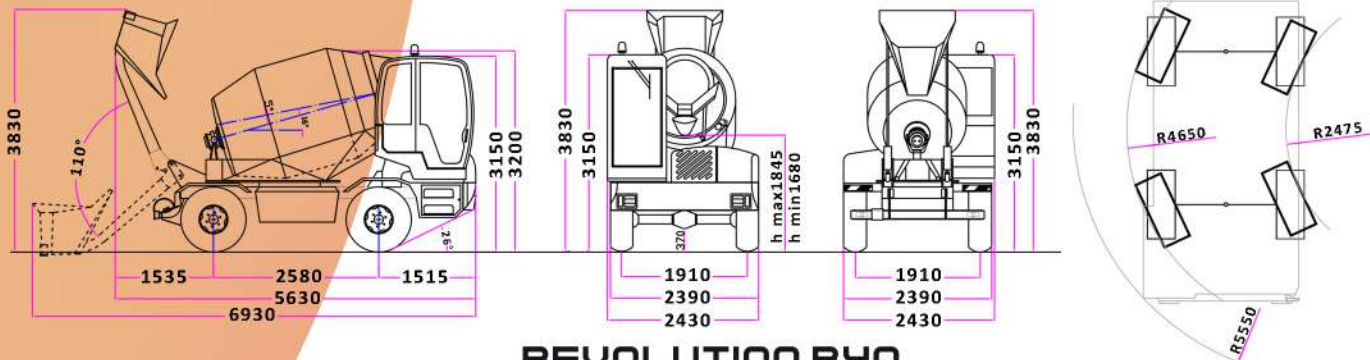
Fuel tank	160 l
Total hydraulic system capacity	150 l
Engine oil	9,5 l
Engine cooling liquid	7,0 l

TIRES 18-19,5 16 PR

DIMENSIONS 2.430 (95.74 inches) x 6.930 (273 inches) x 3.200 mm (126 inches) (Bucket down)

WEIGHT kg 7.560 (16.666 lbs)

MEETS CEE road standards



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Spirit of Excellence

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