





DESCRIPTION (UNI 10929:2011) Self-loading concrete mixer
Concrete net output : 3,0 m³ (3,92 cubic yard) S1 class
Front loading - Slewing unload 270° - N.4 wheel steering/drive
Loading by rigid bucket - Cab welded to the rotating drum and
slewing at 270°

ENGINE

Perkins 904J-E36TA
EU Stage V/U.S. EPA Tier 4 Final 90 kW (121 hp)
Deutz TCD3.6L04
EU Stage IIIB/USA EPA Tier 4i 74,4 kW (100 hp)

TRANSMISSION 4x4 full wheel drive, N. 4 gears forward/reverse
(2 hydraulic, 2 mechanic) - Max speed 40 Km/H – Max slope full
loaded 50% - 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 Command

AXLES Both load-bearing and steering with final epicyclical
gearing reducers – Oscillating front axle ± 8°
Fixed rear axle with flanged reducer.

BRAKES Inner in oil disc hydraulic service brake acts on both
axles, activated by a dual circuit independent pump - Inner in oil
bath disc parking brake acts directly on rear axle with hydraulic
command and negative cylinder
Emergency brake integrated directly on service brake.

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 270° hydraulic rotation through
gearmotor – Hydraulic drum lifting control through double-acting
cylinder - High capacity hopper – Unloading chute with hydraulic
tilt and dual action cylinder controlled from operator's turret or
from the ground -Hydraulic rotation by dual action 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 through hydrostatic transmission with
variable displacement pump and orbital motor coupled to gearbox
with infinitesimal electro hydraulic control both from the operator's
turret and from the ground - Geometric volume 3700 l
Max concrete yield 3,0 m³ S1 class – Drum speed 27 RPM Drum
flexible to 270° – Double-acting hydraulic lifting
cylinder for easy and quick discharge.

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 Single lever
control –12 m³/hour productivity

OPERATOR'S TURRET Welded to the rotating frame
slewing at 270°, 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 6 elements servo controlled
hydraulic distributor – 3 elements electrically controlled
hydraulic distributor – Piston variable displacement pump l/min
37@ 1000' for drum rotation – Gear pump l/min 20@ 1000' for
utilities - Gear pump l/min 14@1000' for steering and breaks
16 µm hydraulic oil filter - Aluminum heat exchangers

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 230 l/min - Max
pressure 3,0 bar – Water tank total capacity approx. 350 l
Two diverter three way electro-hydraulic controlled and ball valve
connected directly to the washing nozzle – Quick-coupling water
intake hoses with filter 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

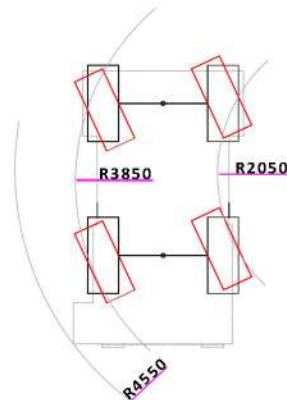
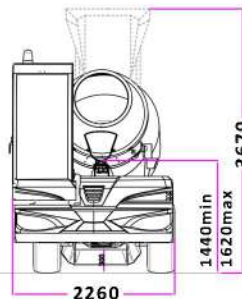
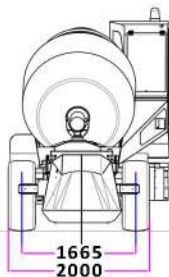
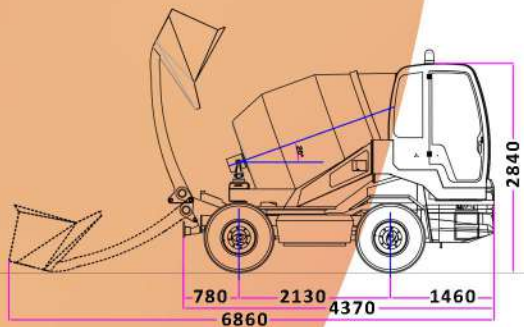
Fuel 125 l - Hydraulic oil 115 l - Engine oil 9,5 l - Engine coolant 6,0 l

TIRES Std 12.5/80-18 16 PR

DIMENSIONS 2.260 x 6.860 x 2.840 mm (bucket down)

WEIGHT 5.980 kg (13.183,64 lbs)

MEETS CEE road standards



REVOLUTION R30



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