



**DELTA**





**DESCRIPTION** (UNI 10929:2011) Self-Loading Concrete Mixer – Net output 4,5 m<sup>3</sup> (5.90 cubic yards) (S1 class) – Load and cast through the full 360° (continuous rotation) – 4 wheel driving and steering – Articulated bucket integral with rotating frame – Cab integral with 360° rotating frame (continuous rotation)

**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 speeds forward/reverse (2 hydraulic, 2 mechanic) - Max speed 35 Km/H - Max full loaded gradeability 40% - Hydrostatic “automotive” transmission with variable displacement pump and variable displacement hydraulic motor controlled by an electro-hydraulic lever for “slow”/“fast” speed and reverse movement selection - Mechanical gearbox for “work” and “transfer” speed 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 6° - 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- acting 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 – Counterframe mounted on roller bearing swivel ring with 360° continuous rotation by means of a reduction gearbox – Hydraulic drum lifting control - High capacity hopper – Unloading chute with hydraulic tilting by means of a double-acting cylinder controlled both from operator’s turret and ground - Hydraulic 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 m<sup>3</sup> (S1 class) – Drum speed 22 RPM – 360° continuously slewing drum – Hydraulic drum raising for quick unloading

**BUCKET** Articulated - Driven by 2 double-acting hydraulic cylinders for raising and one double-acting cylinder for return – Bucket closure with electro-hydraulic control – Internal blade for bags cutting - Capacity 600 lt (159 gals) - 18 m<sup>3</sup>/hour productivity

**OPERATOR’S TURRET** Positioned on the rotating frame, slewing at 360°, allows perfect visibility in transfer and work phases (loading/casting) - Anatomic seat with flexible suspension and height adjustment - Seat belts – 2 adjustable articulated armrests 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** Rotating electro-hydraulic distributor - 4-element hydraulic servo-controlled distributor – 6-element hydraulic electro-controlled 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 - 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 – Rear water tank capacity 375 Lt - 2 additional lateral water tanks with total capacity approx. 635 Lt – 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

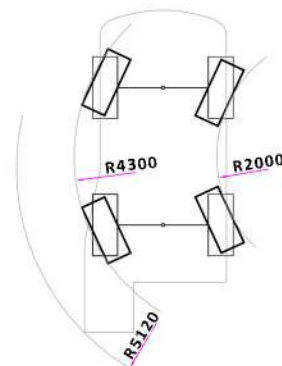
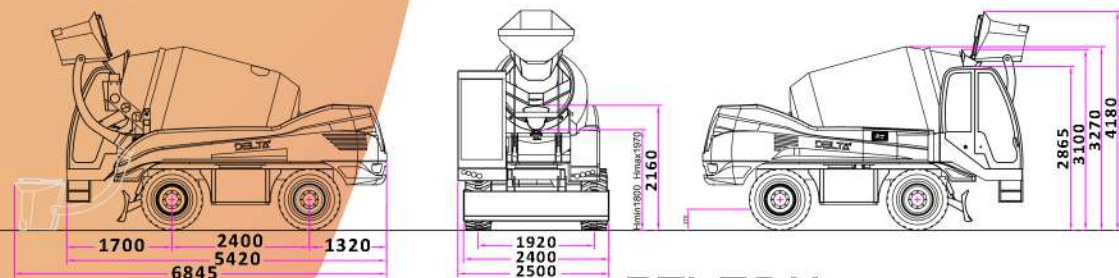
Fuel tank	120 l
Total hydraulic system capacity	100 l
Engine oil	9,5 l
Engine cooling liquid	7,0 l

**TIRES** 18-19,5 16 PR

**DIMENSIONS** 2.500 x 6.845 x 3.270 mm (Bucket down)

**WEIGHT** kg 9.200

**MEETS CEE** road standards





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