



**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 904J-E36TA

EU Stage V/U.S. EPA Tier 4 Final 90 kW (121 hp)

Deutz TCD3.6L04

EU Stage IIIB/U.S. EPA Tier 4i 90 kW (121 hp)

**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 - 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-elements hydraulic servo-controlled distributor – 6-elements 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. 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 110Ah (900 A) 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

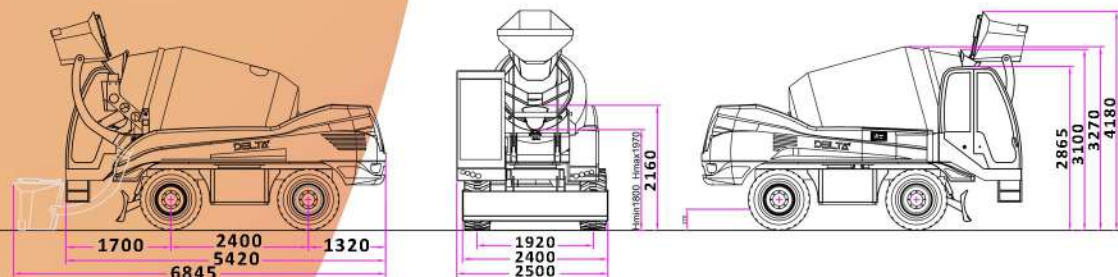
Fuel tank	120 l
Total hydraulic system capacity	130 l
Engine oil	9,5 l
Engine cooling liquid	7,0 l

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

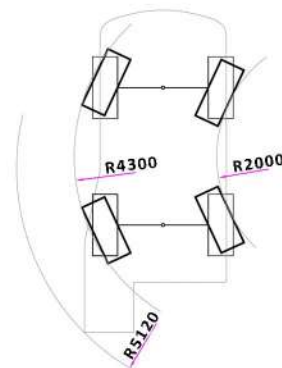
**DIMENSIONS** 2.500 x 6.845 x 3.270(mm (Bucket down)

**WEIGHT** kg 9.200

**MEETS** CEE road standards



**DELTA 4**





Spirit of Excellence

AMOG srl | 180031 Brusciano (Na) Italy | Tel. +39 081 6588361 | [sales@davinogroup.biz](mailto:sales@davinogroup.biz)  
[davinomixer.com](http://davinomixer.com)