

C.121

MOBILE CONCRETE BATCHING PLANT - GALVANIZED EUROMOBIL 4 FAST DRY

- MOBILE BATCHING PLANT, NO FOUNDATIONS NEEDED
- TRASPORTATION ON 40" OPEN TOP CONTAINER
- PLANT PRODUCTION YEAR: 2013
- 4 COMPARTMENTS FOR A TOTAL STORAGE OF 95 m³
- HOURLY PRODUCTION 70 m³/h
- DOUBLE NOZZLES BATCHING
- AGGREGATE BINS BEARING STRUCTURE
- GALVANIZED BULKHEAD FOR RAMP
- AGGREGATE BINS UPPER COVERING
- AUTOMATION
- INSULATED CABIN
- DEDUSTING SYSTEM FOR THE LOADING POINT WITH BELLOW SYSTEM

FOLLOWING DESCRIBED COMPONENTS, EXCEPT FOR DIFFERENT LETTERING, SHOULD BE CONSIDERED USED AS SEEN IN THE CONDITION THEY ARE.

EUROMOBIL 4 FAST DRY 70MC/H - STORAGE 95 mc Weighing system 15.000/3.000 kg. Loading Belts / extraction 800 mm sheets Ø273 screw - 6 MC BATCHING – ALUMINIUM FOUNDATIONS

EUROMOBIL 4 FAST DRY

PRODUCTION: 60-70 Mc/h – 6 MC AGGREGATE BATCHING

STORAGE: GEOMETRICAL VOLUME 95 MC (ONE INCLINED SIDEBOARDS LEVEL OF 2.070 mm AND ONE UPPER SIDEBOARDS OF 570 mm)

STRUCTURE: SUITABLE FOR SEISMIC ZONE CAT. 2.

EXTRACTION: LATERAL

FRAMEWORK: 11.800 mm long (see drawings)

Width: 1.900 mm

Height: 3.000 mm

Suitable for STANDARD OPEN TOP 40" container (12.050 mm)

AGGREGATE STORAGE BINS:

N. 4 compartments (2 compartments of 3200 x 4200 mm each and 2 external compartments 2900x4200 each).

N. 8 batching nozzles with lubricated pins in opening hatches.

N. 4 pneumatic cylinders with shock absorbers and rapid unloading to open the 8 batching nozzles (diameter 100 mm, limit 300 mm) with aluminium external covering.

AGGREGATE STORAGE: MAX 8 MC IN ACTION FOR THE RECIPE TO BE DOSED

Aggregate weighing hopper 4 mm

Geometrical capacity of 13 mc

Weighing system with n. 4 homologate cells max capacity Kg. 15.000

Digital display. Analogical expansion board 0/10 volt D.C. to connect to potential automation. Serial port RS232.

CEMENT WEIGHING:

Cement weighing hopper, integral to aggregate bins flanged into two parts, realized in **Fe 360** aluminium, **3 mm thick**, geometrical capacity **3 mc** with electro-pneumatic opening through a butterfly valve activated by a rotating pneumatic cylinder externally covered of aluminium equipped with limit switch. Furthermore the hopper is equipped with N. 1 10 kg vibrator on plate and fluidization system. Weighing system with 3 homologate loading cells max capacity Kg. 3.000. Digital display with automatic stop of the batching, even during manual functioning. Analogical expansion board 0/10 volt D.C. to connect to potential automation. Serial port RS232.

WATER BATCHING:

With **2"** electromechanical pulse counters and with electro-pneumatic sphere valve. Digital display with automatic stop of the batching, even during manual functioning.

SERIES VIBRATORS:

N. 2+2 200 Kg vibrators on double plate discharge gates between first and second sand compartments.
N. 1 200 kg vibrators on double plate in the aggregate weighing hopper between first and second sand compartments.

EXTRACTOR BELT 9.000 mm LONG . CAPACITY 180 MC/H

Capacity 180 mc/h

9.000 mm long and 80 mm wide sheet – **315 class** – 4+2 mm thick – 3 sheets (total thickness 9 mm).

Self-lubricating rolls organized in set of three with diameter of 89 mm.

Motor roll, diameter 320 mm covered with non-slip rubber.

Three-phase electrical motor kW 7,5 – Alternating release with oil-bath wheels R 1/25.

Accident prevention system with system halt safety cable and galvanized safety barrier throughout all the length.

GOOSENECK CONVEYOR BELT

Around 11.000 mm long CAPACITY 180 MC/H WITH SHAPED BELT, INCLINATION 28:

Capacity 180 mc/h – tubular framework structure 48 mm. diameter

11.000 mm long and 800 mm wide shaped belt – 315 class – 4+2 mm thick – 3 sheets (9 mm total thickness).

Self-lubricating rolls organized in set of three with diameter of 89 mm.

Motor roll, diameter 320 mm covered with non-slip rubber.

Three-phase electrical motor kW 7,5 – Alternating release with oil-bath wheels R 1/25.

Including control hopper and bearing structure.

Accident prevention system with system halt safety cable and galvanized safety barrier throughout up to 2 mt from the ground level.

LOADING HOPPER INTO TRUCK MIXER:

Entirely realized in Fe 360 6 mm.

Aggregates unloading 600 mm. Cement unloading 220 mm. Circular piping water unloading 2" with 16 10 mm nozzles. Wear-resistant rubber covering positioned in the frontal side.

LOADING SCREW INTO TRUCK MIXER:

External diameter 273 mm, 10.000 mm long, capacity 70 ton/h, coaxial release R 1/7, variable pitch spiral, three-phase motor kW 7,5.

ELECTRICAL PANEL INSTALLED ONBOARD:

Electromechanical power and control panel to manage the batching plant. Vertical closet automatic panel (800x400x1800) – AAB carpentry. Protection level IP 65 (for external installations), mimic control panel, colour screen-printed equipped with selector switches, buttons, warning lights. Fused isolator. Electronic module to protect auxiliary circuits, magnetothermic protection.

Voltage signal into panel. Acoustic signal to advise about belts start.

Emergency push button and manual reactivation. Auxiliary circuits start with key.
 Ammeter and Voltmeter. Terminal board to link cables. All components used are **Telemecanique**.
 10 % of unused internal space for future possible expansion. Feeding voltage 400V.
 The panel is provided with: complete electric plans, terminal board linking schemes,
statement of compliance with Directives 2006/42/CE – 2006/95/CE – 2004/108/CE and following mod.
 Euromecc reserves the right to modify control panel dimensions if the design needs it. For the protection of
 the control panel on the framework of the plant a metal container is fastened: 900x400x2000 mm.

PNEUMATIC SYSTEM:

N. 1 compressor with 270 lt. tank and N. 1 kW 4 motor – air capacity 514 lt/min – 11 Bar – Electrical panel onboard.

N. 1 galvanized pipeline to feed **4 pneumatic cylinders**.

N. **4** 24 V five-way electric valves for the activation of the 4 pneumatic cylinders (batching nozzles)

N. **1** 24 V five-way solenoid valve for the driving of the pneumatic cylinder (cement weighing hopper)

F.R.L Group (Filter, pressure Regulator and Lubricator)

PLANT BEARING STRUCTURE IN ALUMINIUM:

Bearing structure for aggregate bins and loading belt. Realized in HEA 140.

THICKNESS:

1st and 2nd Side Panels and Separators Levels - **3 mm**

Aggregate weighing hoppers - Batching nozzles - **4 mm**

Batching nozzles hatches **8 mm** -

Reinforcements applied on the points subject to higher wear and solicitations - **6 mm (see drawings)**

PAINTING:

One anti rust layer and double paint layer (**total thickness 120 micron**) quick drying, preset colour.

ADDITIONAL INFORMATION:

Set of signs to accident prevention informing to act in accordance with the law. (In Ita/Eng)

Electric system entirely pre-cabled, allowing to rapidly pass from transport to working configuration thanks to an outlet-plug system.

EUROMOBIL FAST DRY is transported on 1 lowered truck of 1 mt for storage bins and 1 normal truck for conveyor and accessories.

Be careful: the ground for the laying of the plant should be compacted and leveled, able to bear 500KN/m2 load.

ACCESSORIES TO COMPLETE THE PLANT

ADDITIONAL PNEUMATIC CYLINDERS 100 mm diameter – 250 mm. limit (cost for each cylinder)	4
COMPRESSOR OF 500 LT. INSTEAD OF 270 LT WITH N.2 MOTORS OF KW 4 each – AIR CAPACITY 1.028 lt/min – 11 BAR (cost for the difference)	1
ADDITIONAL THICKNESS FOR SIDES (1 MM MORE)	1
CONTROL KIT FOR LOADING RAMP – up to the height + 1,5 mt	1
Galvanization for bulkheads - up to the height + 1,5 mt	1
GALVANIZED UPPER COVERING – THICKNESS 2 MM FOR BELT (cost for linear metres)	10
ANTI-OBSTRUCTION SYSTEM EQUIPPED WITH ROTATIVE PALETTE LEVEL INDICATOR INSTALLED IN	1

THE INLET OF THE CONVEYOR.	
4 MT INSULATED CABIN ; windows on 4 sides; insulation with 50 mm sandwich.	1
2 SQ.M. HOPPERJET FILTER WITH PNEUMATIC BACKWASHING FOR DEDUSTING CEMENT WEIGHING VENT	1
DUST REDUCTION SYSTEM ON THE LOADING POINT – 12 SQ.M.FILTER WITH BELLOW SYSTEM	1
BETONWIN 2 WITH BILLING + SIEMENS OR IBM PC + LCD 22" SCREEN + PRINTING: Managing up to 6 aggregates – 4 cements – clean and recycled water – 4 additives; automatic aggregate dampness balance	1
DAMPNESS INDICATOR MANAGING UP TO 4 PROBES EQUIPPED WITH N. 1 RESISTIVE TELESCOPIC DAMPNES PROBE TO BE INSTALLED IN THE AGGREGATE WEIGHING HOPPER	1
RESISTIVE TELESCOPIC DAMPNES PROBE FOR SAND DAMPNES MEASUREMENT	1
ONLINE UPS - DURATION WITH FULL/HALF LOAD 7/18 MIN. (It stabilizes electricity both in blackout and normal functioning phases)	1
58 LT. ADDITIVE BATCHING PRE-ASSEMBLED WITH LOADING CELL AND DISPLAY – MANAGEMENT IN THE ELECTIC PANEL OF THE PLANT	1
GALVANIZED PRE-PAINTED UPPER AGGREGATE BINS COVERING 8/10 on three sides if ramp is present	1