



GENERAL CATALOGUE_CIFAMIX



CIFAMIX

THE MODULAR MIXING PLANT

CIFAMIX is a range of mixing plants which assures the production of high quality premixed concrete so to meet all requirements of ready-mix companies and buildings contractors.

CIFAMIX plants are characterised by an extremely modular system allowing to carry out several configurations either for production capacity or for particular climatic conditions, ensuring:

- High outputs of 90, 100 and 120 m³/h of compacted concrete
- Constant quality under control
- Reliability for long time
- Low maintenance costs
- Protection of the environment
- Reduced area for installation

The mixing unit is equipped with twin-shaft horizontal mixers or, alternatively planetary mixer for the 2000 type, combined with the aggregates storage and batching module of 4-5-6 compartments having capacities from 100 to 300 m³ as well as with the option of double production line.



CIFAMIX PLANTS		2000	2250	3000
		TWIN SHAFT OR PLANETARY	TWIN SHAFT	TWIN SHAFT
COMPACTED CONCRETE OUTPUT (according to DIN 1045)	M ³ /H	90	100	120
MIXER CAPACITY	L.	3000	3375	4500
VIBRATED CONCRETE OUTPUT PER CYCLE	L.	2000	2250	3000
AGGREGATES WEIGHING CAPACITY	KG	5000	7000	10000
CEMENT WEIGHING CAPACITY	KG	1300	1300	1900
WATER WEIGHING CAPACITY	KG	600	600	900
CONVEYOR BELT CAPACITY	M ³ /H	720	720	820
AGGREGATES COMPARTMENTS BATCHER WITH 4 BINS	M ³	100 - 180	100 - 180	100-180
AGGREGATES COMPARTMENTS BATCHER WITH 5 BINS	M ³	110 - 170 - 210	110 - 170 - 210	110 - 170 - 210
AGGREGATES COMPARTMENTS BATCHER WITH 6 BINS	M ³	250	250	250
VOLTAGE TENSION	V/HZ	400/50	400/50	400/50



THE AGGREGATES BINS

A WIDE RANGE FOR ANY REQUIREMENT

The aggregates storage and batching unit with entirely hot-galvanized structure for a long-life operation under any working condition, is made in 4-5-6 in-line compartments with several storing capacities and complete with:

- Aggregates batching by electropneumatically operated batching gates with the in-flight material control developed by CIFA to assure accuracy and quick batching times.
- Two sand compartments equipped with electro-mechanical vibrators for an easy material flow
- Under the two sands batching gate, are installed the sand moisture capacitive probes to measure, in real time for each batch, the moisture content and the automatic control, in order to calculate the respective compensations of sand and water batching keeping always constant the ratio stated in the recipe.
- Aggregates batching in sequence by weighing system with electronically controlled loading cells and safety tie-rods.
- High capacity extraction belt to ensure the fast extraction of the batched materials.



THE INSTALLATION

Simple foundation works and short time for the installation and putting into operation are needed thanks to the project, the manufacturing methods and the modular system of the entire plant.

THE MIXING SECTION

SYNTHESIS OF TECHNOLOGY

CIFAMIX range offers solutions for the concrete production of 90, 100 and 120 m³/h, according to the mixer capacity and type. The structure, made in hot-galvanized steel, is composed by modular elements equipped with pre-assembled components for an easy transport, simple installation and ergonomics:

- Skip hoist to feed the aggregates to the mixer, with integrated running tracks in the structure and tilting hopper moved by double cable hoist, with largely dimensioned geared-motor for an heavy operation.
- Mixing unit studied to grant high production of quality concrete, in safety way and long life operation by twin-shaft forced mixer, equipped with replaceable lining in special cast-iron against wear and tear and automatic lubrication of the supports of the mixing shafts. The model 2000 can be optionally equipped with planetary mixer with also 2 discharge gates for the positioning of two truck-mixers.



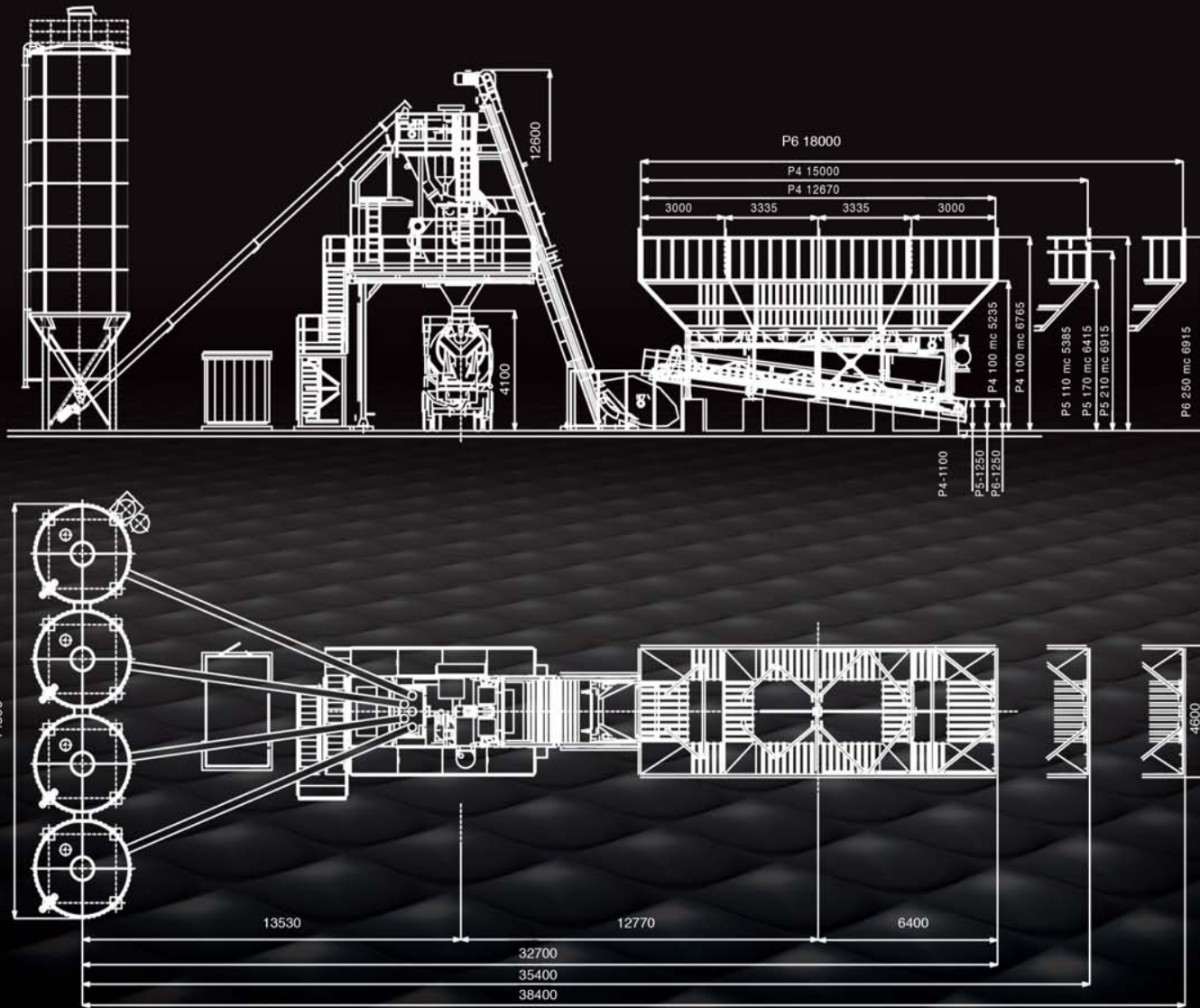
- Batching module complete with:
- Cement weigher prepared to be fed by several screw-conveyors with batching in sequence by electronic loading cells and weight bin equipped with electric vibrator and electro-pneumatically operated fast discharge valve.
- Water weigher with electronic load cell with feeding by fresh water pipe-line and recycled water line with separate solenoid valves
- High efficiency de-dusting filter for the mixer with suction blower and self-cleaning filtering elements

CONTROL SYSTEM

A modern system PLC/PC control **CIFAMIX** in the manual, semi-automatic and automatic operation with digital indicators for the weighers, indicator for the concrete consistency value by “wattmeter” technology, sand moisture value indicators with calculation in real time of the compensation of the sand and water quantities to reset the water/cement ratio defined in the recipe. The control system assures batching accuracy and the management of the raw materials and production data.



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ACCESSORIES ON REQUEST:

- Increase of the aggregates storing capacity
- Safety grid at the loading front against man-falling
- Aggregates feeding unit from ground level by belt conveyor
- Anti-wear lining of the aggregates batching gates and weightbin
- Electric vibrator for additional sand compartment
- Additional probes for moisture measurement of the aggregates
- Electric heating system for the batching gates
- Preparaton for installation of hot-air heating equipment
- Extension legs for an easier execution of the foundations
- Service catwalk for an easy maintenance of the batching gates and weightbin
- Upper covering
- Total insulation
- Liquid additive weightbatchers
- Concrete consistency control device
- Cement screw conveyors
- Automatic high-pressure washing system for mixer
- Insulation of the mixing unit
- Preparation for installation of ice weigher
- Micro-silica batching system
- Cement storage silos with accessories





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The catalogue shows models, outfitting versions and configuration possibilities (standard and optional) of machines for the production, transport and pumping of concrete, manufactured and distributed by CIFA SpA. The catalogue is intended for general information purposes only and the information it contains shall not be deemed a contractually binding document, since CIFA SpA may make constructive and outfitting modifications at any moment and during the period between publication of the catalogue, the production of the equipment and the publication of a more updated catalogue.