



GENERAL CATALOGUE\_COMPACTEASY®



# COMPACTEASY®

## THE PLANT IN ONE UNIT ONLY

CIFA **COMPACTEASY®** is a concrete mixing plant for contractors and ready-mix companies which need high quality standards and performance with easy erection, dismantling and transport of the plant, without high costs for installation both as foundation works and operation times.

CIFA **COMPACTEASY®** is a compact main unit transportable by road on a low-bed trailer, with full assembled and wired equipment for the control, batching, conveying and mixing phases. Additional trailers are needed for the components completing the plant along with the accessories supplied on request.



### COMPACTEASY® TECHNICAL DATA

Output (vibrated concrete) as per DIN 1045 rules	m <sup>3</sup> /h	55	Aggregate scale capacity	kg	3.000	Tension voltage	v/hz	400/50
Mixer capacity	litres	2.250	Cement scale capacity	kg	700	Dimensions for road transport	lxwxh	14,3x2,5x3,3
Output of vibrated concrete for batch	litres	1.500	Water scale capacity	kg	350	Total weight	kg	25.000
Number of aggregates	n°	4	Height of feeding ramp on both sides	m	2,3	Eurocods conformity:		
Total aggregate storage capacity	m <sup>3</sup>	45	Earth bearing pressure	kg/cm <sup>2</sup>	3,5	Seismic conditions	cat.	8
Max. aggregates size	mm	32	Installed power (basic version)	kw	88	Wind load	cat.	1
						Snow load	cat.	1



### THE TRANSPORT

CIFA **COMPACTEASY®** is suitable for an easy transport, quick erection and is ready to produce quality concrete within a short time from the arrival on site.

### THE INSTALLATION

For installation, no special foundations or pits are required. We supply, on request, a steel frame and accessories for installation, on prepared compacted ground, according with CIFA specifications.

# AGGREGATES STORAGE

## COMPACT AND CAPABLE

The aggregates storage bins have a total capacity of 45 m<sup>3</sup>, divided into 4 compartments, with double side ramp.

The access ramps for the wheel-loader can be also made in earthwork, directly leaned to the side walls kit, designed by CIFA, supplied on request; with this solution, specific concrete works are not needed.



### BATCHING AND WEIGHING SYSTEM

- Aggregates batching with particular configuration, made by 4 gates, electro-pneumatically operated. Proportional in-flight system, designed by CIFA, to guaranty the accuracy requested by the rules. The sensible reduction of the batching times foresees the introduction of a skip which combines the batcher/scale function by means of load cells, electronically controlled.
- Water batching by means of batcher/scale with load cells, electronically controlled.
- Cement batching by means of batcher/scale with load cells, electronically controlled, for the cement batching, on sequence, for up to 4 screw conveyors
- Additives batching by means of specific batchers, with load cells electronically controlled.



# THE MIXING

## QUALITY CONCRETE WITH LONG-LIFE OPERATION

CIFA **COMPACTEASY**<sup>®</sup> is equipped with a twin-shaft forced mixer, having an output of 1,5 m<sup>3</sup> of vibrated concrete for cycle, guaranteeing an hourly output of 55 m<sup>3</sup> compacted concrete, according to DIN 1045 rules.

CIFA **COMPACTEASY**<sup>®</sup> produces high quality concrete, thanks to:

- Hi-tech automatic system to control the batching tolerances and the production parameters.
- Two capacitive probes for the automatic measuring of the sand moisture during each batching. The values are developed, in real time, by the automatic system, so to compensate the sand and water batching values, so to keep constant the water/sand ratio stated in the recipe.
- A mixer made to grant quality concrete within short time and long-life operation with special wear-resistant cast-iron lining, automatic lubrication of the shafts supports and emergency manual pump for discharging opening.



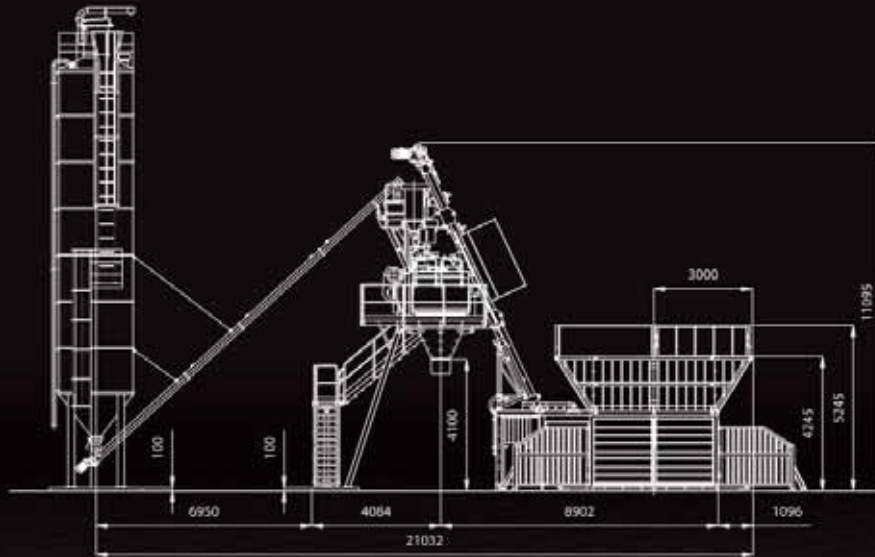
### CONTROLS ON BOARD

In the main unit of **COMPACTEASY**<sup>®</sup> is included the control cabin.

This is fitted with the control board for the manual operation of the plant, including the digital indicators of the weight-batchers and a new automatic control system, based on PLC and PC, developed by CIFA.

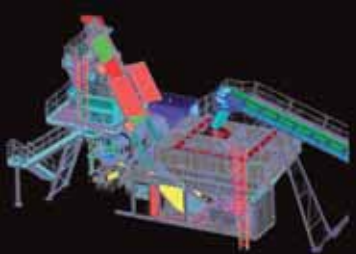
COMPACTEASY®

A WHOLE PLANT IN ONE UNIT ONLY.



#### OPTIONALS ON REQUEST

- Admixture weight-batchers up to 4 different additives
- Cement screw conveyors for the installation of up to 4 cement silos
- Automatic washing system for mixer by high-pressure
- Set for installation on compacted ground
- Set of side walls and accessories to feed ramps on both sides
- Aggregates feeding equipment by collecting hopper with inclined belt and rotating distributor
- Insulation of the mixing unit
- Cement silos with accessories
- Steel frames as foundation for the cement silos
- Pre-arrangement for aggregates heating





CIFA S.p.A. Via Stati Uniti d'America, 26 » 20030 SENAGO (MI) » Tel. +39 02 990 131 » Fax +39 02 998 1157 » [www.cifa.com](http://www.cifa.com) » e-mail: [cifa@cifa.com](mailto:cifa@cifa.com)

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.