

PLANTS

CONCRETE FILLING STATION

CFS ELBA SERIES



AMMANN
ELBA

CONCRETE FILLING STATION CFS

INDIVIDUAL – CONTEMPORARY – FUTURE-ORIENTED

Conservation of resources, the careful and sustainable use of the environment, is the basis for the business with recycled materials and the basis for recycling companies to upgrade and refine the material.

With the Concrete Filling Station CFS, Ammann Elba offers reliable and economical concrete mixing plants for use in the recycling, landscaping, concrete products and precast industries.

The CFS series is suitable for the production of unreinforced concretes as well as a wide range of different concrete types.

Mature Plant Concept

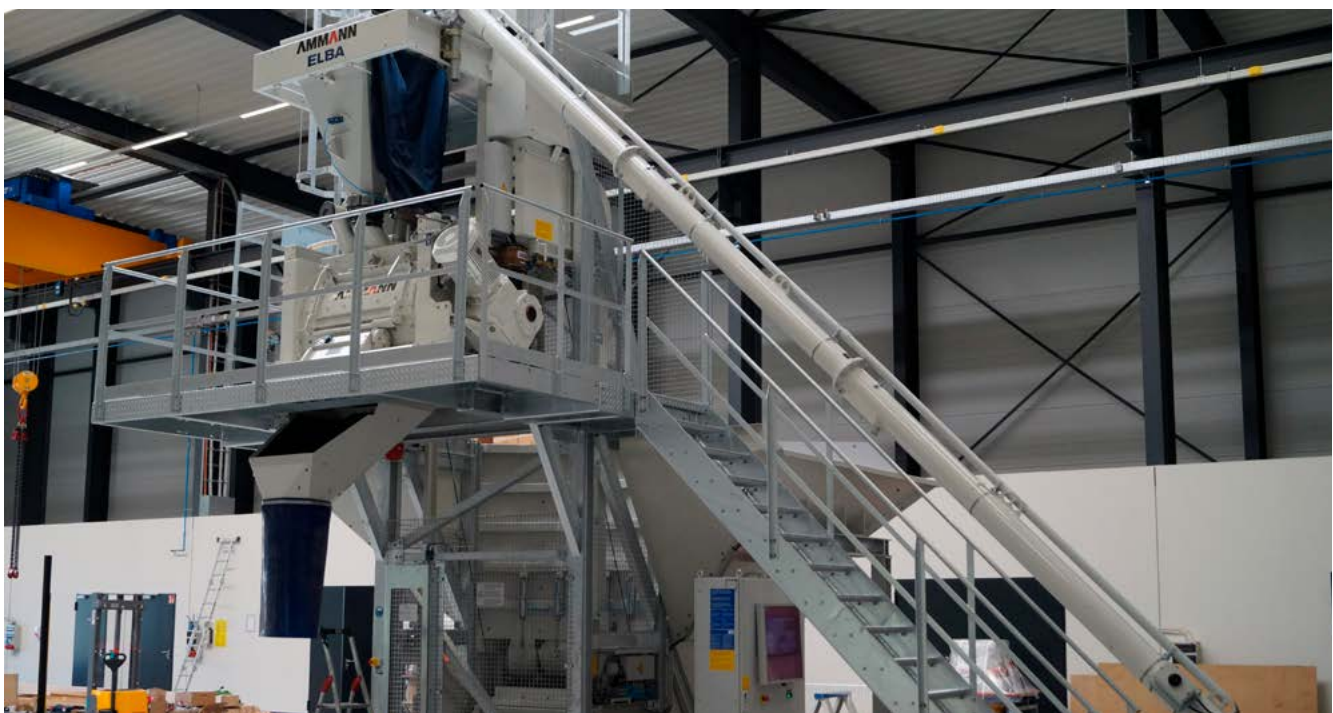
Derived from our decades of experience in the ready-mix concrete industry, all components are weighed and batched separately. The proven mixer CEM 500 S and CEM 1000 S is only used for the actual mixing process of the concrete. This enables high hourly outputs of 30 to 60 m³. This protects the material wear and the vehicles can leave the factory quickly.

The basis of the operation of the concrete filling station is the automatic control system. From the simple intuitively guided

touch screen operation, expandable via QR-code, card reader or chip, optionally extensive possibilities are available up to the documentation of the concrete production.

HIGHLIGHTS

- Simple transport
- Low space requirement
- High output, short cycle times
- Individual weighing of each type of material
- Simple touch screen operation
- Direct delivery of concrete from the mixer to the vehicle
- Dosing of 4 aggregates in the basic version
- Plug & Play, plants electric and pneumatic components are pre-installed
- High-quality mixer wear protection in the basic version
- Easy maintenance, good accessibility
- Absolute reliability
- Low operating costs



CFS 30 SL Elba.



CFS 30 SL Elba with optional walkway on the skip winch.



All around good accessibility and view of the plant.



Local mixer operation facilitates maintenance and cleaning work.

CFS 30 SL ELBA

CONCRETE FILLING STATION – RELIABLE AND ECONOMICAL

Thanks to mechanical, pneumatic and electrical pre-installation, the system is quickly ready for use. The integrated 4-fold pocket star with a volume of 10 m³ allows the storage of 4 different types of aggregate.

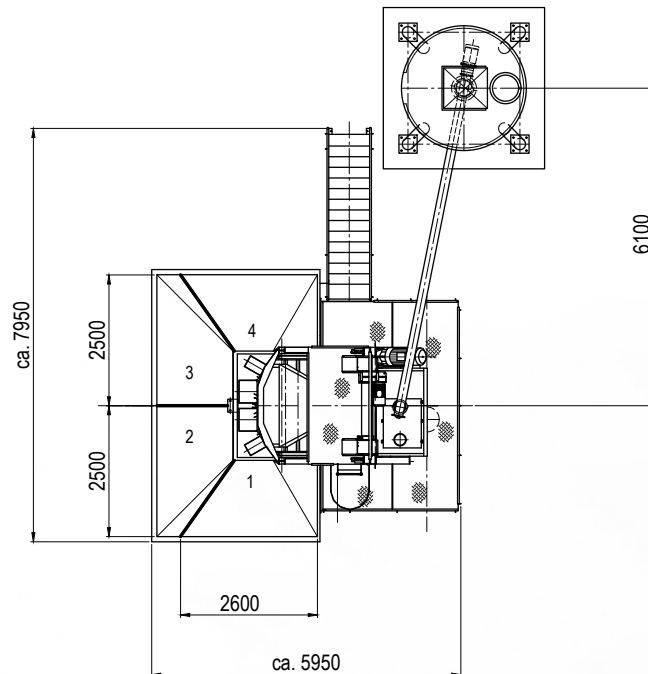
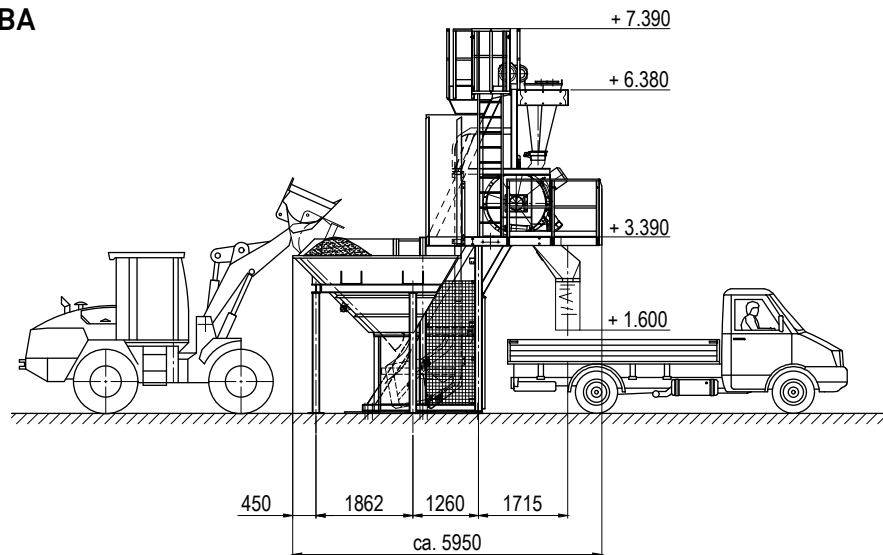
The CFS 30 SL is equipped with the CEM 500 S single-shaft compulsory mixer. The aggregates are dosed into the integrated 1500 kg skip weigher by pneumatically operated dosing gates. The 300 kg cement weigher with 2 cement screw connections and a water meter for precise water dosing, an optional additives addition ensures a consistent, fast and homogeneous concrete production.

Since all types of material are dosed and weighed simultaneously and separately with the Ammann Elba CFS 30, high output rates are possible and thus ensure short cycle and vehicle downtimes.

Low space requirements due to the consistently compact design during development as well as good accessibility for maintenance and servicing are the result of the many years of experience of Ammann Elba engineers in concrete plant construction.



CFS 30 SL ELBA



TYPE	30
MIXER TYPE ³	CEM 500 S
MAX. CONCRETE OUTPUT OF THE PLANT COMPACTED FRESH CONCRETE (TRUCK LOADING) ¹	30 m ³ /h
MIXER VOLUME	500 l
ACTIVE AGGREGATE STOCK	10 m ³ (4 x 2.5 m ³)
MAX. COMPONENTS	4
MAX. CEMENT TYPES	2
CONNECTING POWER ² With generator set Simultaneous factor 1	80 kVA
CONNECTING POWER ² Main connection with 1 cement screw conveyor Simultaneous factor 0.8	30 kW

¹ The concrete output depends on several parameters and has to be calculated individually for every case of application. The figures are based on a discharging on dump trucks.

² The exact electrical connection data are to be determined in accordance with the real plant lay-out including accessories and plant extensions.

³ CEM S = Single-shaft compulsory mixer



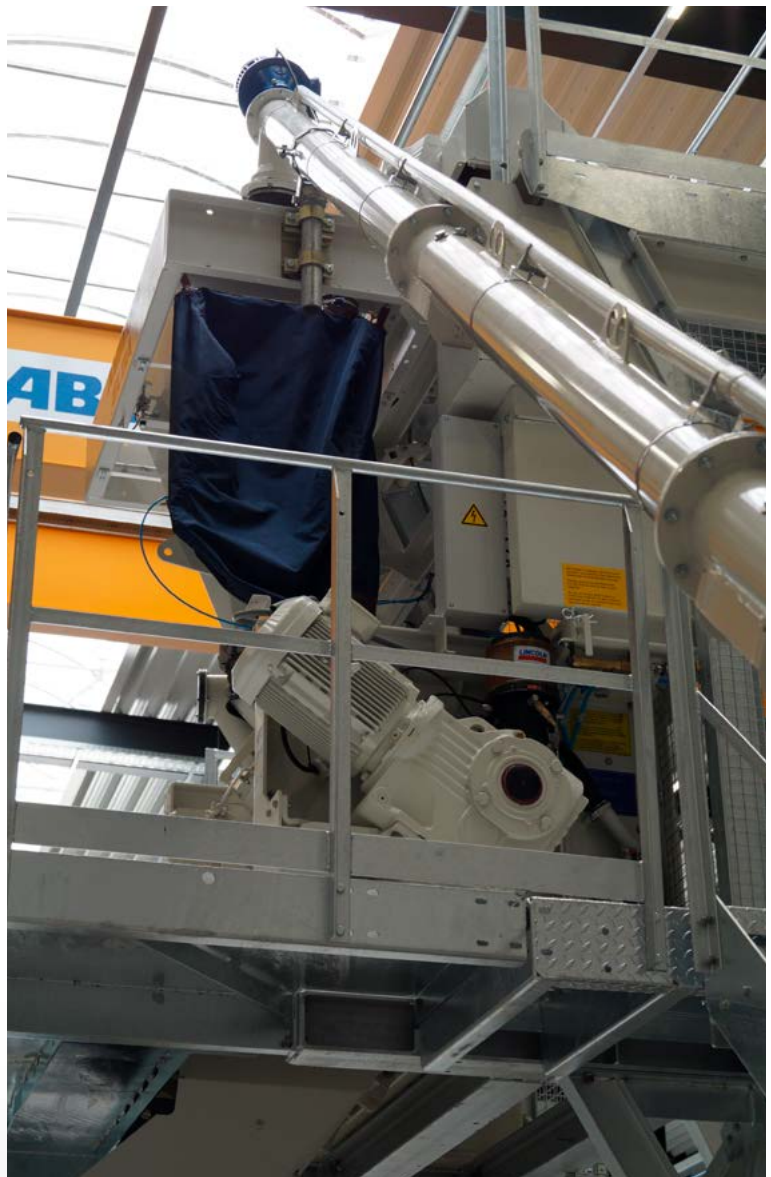
Pocket star with 4 x 2.5 m³ volume for aggregate storage with integrated batching box.



Batching box with built-in pneumatically operated dosing gates and 1500 kg aggregate weigher.



Mixer CEM 500 S with automatic mixer central lubrication and maintenance-free direct drive.



Cement dosing directly into the cement weigher, central mixer dedusting via airbag.





Access area secured through limit switch according to UVV.



Optional additive dosing by powerful dosing pump.



Status display via traffic light system, touch screen operation, optional additive dosing.



Extremely simple operation via touchscreen with the user dialog and additional traffic light display. As option available, operation via QR code.

CFS 60 SL ELBA

CONCRETE FILLING STATION – RELIABLE AND ECONOMICAL

Fast assembly times, easy relocation as well as strict adherence to favorable transport dimensions were the aim of the development. Ammann Elba has achieved the target through the well-thought folding mechanism.

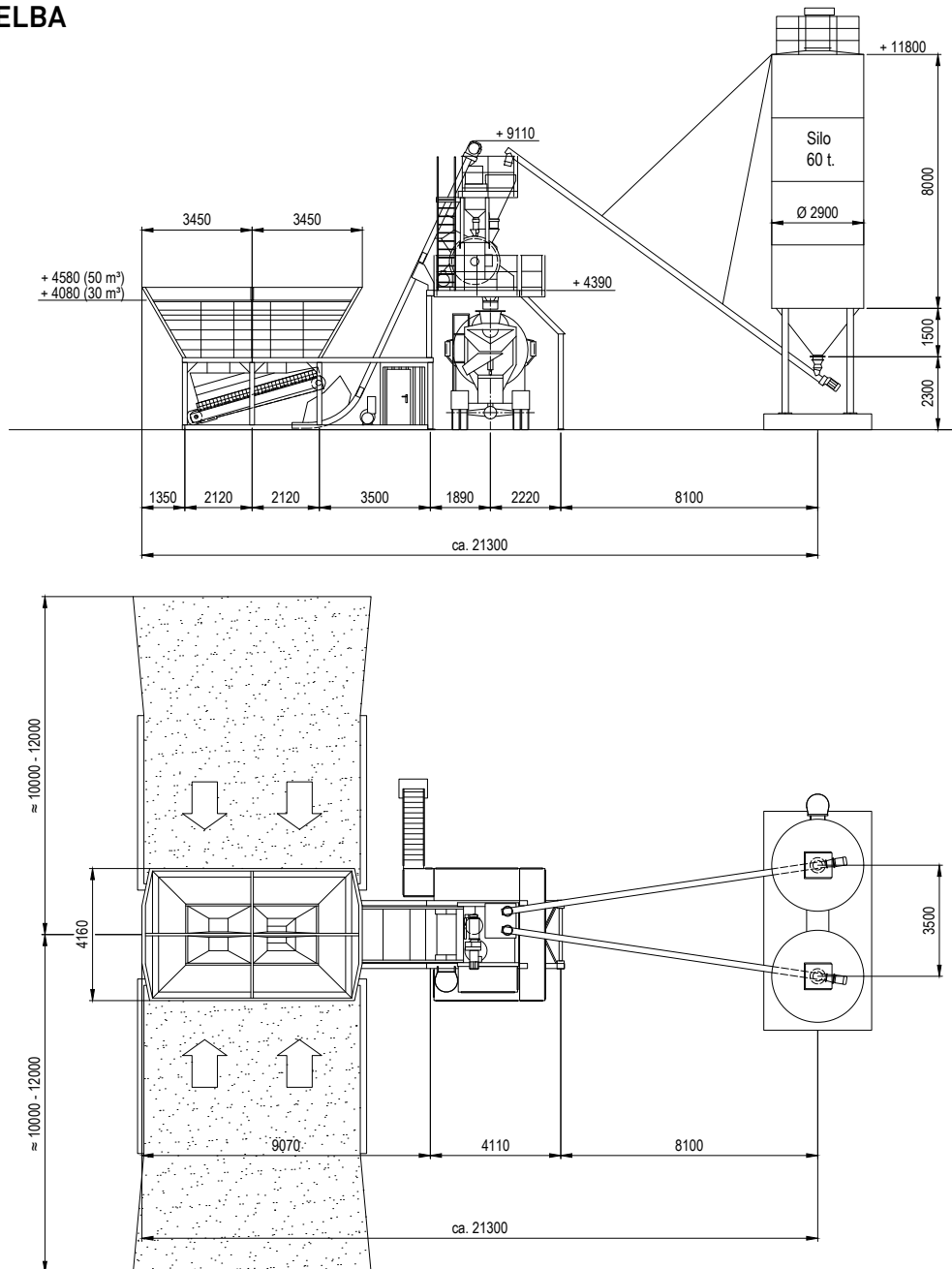
The Ammann Elba CFS 60 SL is equipped with the CEM 1000 S single-shaft compulsory mixer and in the basic version with

an integrated aggregates bin for storing between 2 and 4 aggregate components with a total volume of 30 m³. Cement, water and aggregate scale and all other electric and pneumatic plant components are pre-installed ready for operation.

The integrated container contains the switching cabinet and the plant control system.



CFS 60 SL ELBA



TYPE	60
MIXER TYPE ³	CEM 1000 S
MAX. CONCRETE OUTPUT OF THE PLANT COMPACTED FRESH CONCRETE (TRUCK LOADING) ¹	60 m ³ /h
MIXER VOLUME	1000 l
ACTIVE AGGREGATE STOCK	30 m ³ (4 x 7.5 m ³)
MAX. COMPONENTS	4
MAX. CEMENT TYPES	4
CONNECTING POWER ² With generator set Simultaneous factor 1	138 kVA
CONNECTING POWER ² Main connection with 1 cement screw conveyor Simultaneous factor 0.8	55 kW

¹ The concrete output depends on several parameters and has to be calculated individually for every case of application. The figures are based on a discharging on dump trucks.

² The exact electrical connection data are to be determined in accordance with the real plant lay-out including accessories and plant extensions.

³ CEM S = Single-shaft compulsory mixer

FAST, LOW-COST INSTALLATION

All sub-assemblies (mixer platform, aggregates bin) are completely pre-installed and connected to enable fast installation. For assembly the concrete filling station is unfolded and erected which significantly reduces the connection and installation costs.

PERFORMANCE

The aggregates are dosed and weighed on a conveyor belt. This shortens the cycle time of the concrete filling station and achieved a higher output capacity.

MINIMIZED SITE DEVELOPMENT COSTS

The Ammann Elba concrete filling station CFS Elba does not require foundations for installation. A soil compaction of 250 kN/m^2 is sufficient. This minimize the cost of developing the site.

PARTS

Original Ammann Elba spare parts are reliable and guarantee the long-term preservation of the CFS SL concrete filling station.

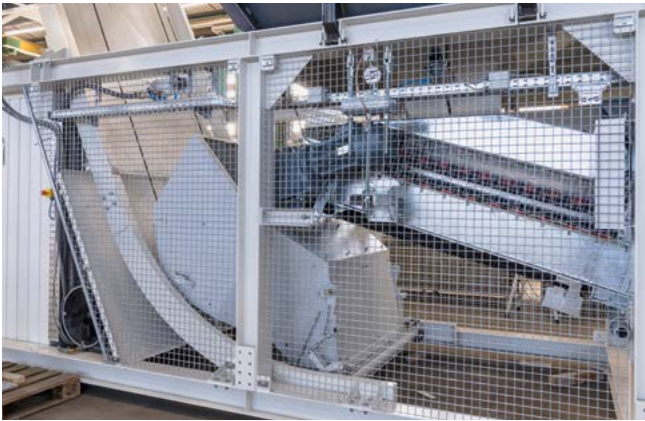




Compact aggregates bin with integrated weighing conveyor belt.



Generous service and maintenance platforms ensure best service accessibility.



Dosing via weighing belt into the skip bucket.



Integrated container with plant control system.



Optional feeding device.



Option: Barcode scanner with simple symbolism.



Option: Barcode scanner and traffic light system.



Optional: Vehicle height detection for swivel funnel control.

For additional product information
and services please visit:
www.ammann.com

