STATIONARY CONCRETE-MIXING PLANTS CBS ELBA

WITH A PRODUCTION OUTPUT OF 105–200 m³/h
VERSATILE IN USE
Ready-mix concrete is produced centrally in stationary concrete mixing plants and then transported in ready-mixed concrete trucks to the construction site. The production of ready-mix concrete is regulated by European standard EN 206.

WELL-CONCEIVED MODULAR PRINCIPLE
Customers and prospective buyers who are familiar with the benefits of a stationary plant will appreciate the variable options offered by the well-conceived modular principle. Most modern designs that are tailored to the needs of users, are joined together to form a modern plant. A galvanized design of maximum corrosion protection and high-quality components make the CBS Elba to a premium concrete mixing plant.

In the construction of the new concrete plant CBS Elba was great value placed on competitive transportation costs. This was achieved by pre-installed modules.

HIGHLIGHTS
- Modular plant concept
- Suitable for global use, thanks to transport optimized mixing plant modules
- Galvanized execution
- Production output from 105–200 m³/h
- Variable plant setups

WIDE RANGE OF OUTPUT CAPACITIES
Lift-Version CBS 105 to 140 S/T L
Belt-Version CBS 105 to 150 S/T B
High production plant CBS 180 TB and 200 TB

Equipped with a linear bin of the CEL Elba series, with up to 312 m³ active aggregate storage, the CBS Elba offers a wide range of productive and customer orientated solutions for concrete mixing plants.

Typical installation of ready-mix concrete.
“CBS Elba concrete plants have become the epitome of performance and reliability. They achieve the most environmentally friendly, low-maintenance and low wear performance day by day.”
CONCRETE-MIXING PLANT
CBS 105–140 S/T L ELBA
WITH SINGLE-SHAFT OR TWIN-SHAFT MIXER

LINEAR PLANT WITH SKIP HOIST
As linear plant with skip hoist (L-version), the CBS Elba mixing plant, with a small footprint, offers a generously sized solution for the production of ready-mixed concrete. With a production capacity of standard concrete from 105 m³/h to 140 m³/h, the CBS L Elba concrete plant offers a wide performance range.

GENEROUS MIXER SELECTION
Both, single-shaft or twin-shaft mixer of the type CEM S Elba or CEM T Elba with a volume of 2.0 m³ to 3.33 m³ of hardened concrete per batch can be installed. A generous selection of different maintenance and inspection variations provide variable throughout of the entire plant. The pre-installed weighing module is used for receiving the cement and water weigher and can be fitted if required with optional additional scales.

The aggregates, metered in the separate linear bin, will be transported into the mixer via the in the factory pre-installed skip rail.

HIGHLIGHTS
• Generously dimensioned mixing platform
• Assembling at +/- 0. No feeding pit is required
• Significant dust reduction through optional dedusting plant
• Partly galvanizing is standard
• Adding of additives and special products as option possible
• Foundation-free installation on steel frames as an option
• Winter cladding of the mixing tower as option possible

The installation of the concrete mixing plant CBS L Elba is made in the basic version on concrete foundation. Optional all CBS L Elba plants can also be erected semi-mobile, without foundations.

“Our tip for you: Equip your Ammann compulsory mixer with EWP wear protection to extend the service life of your plant.”
Optional extendable mixer platform for individual execution.

Good accessibility to the skip and weighing bin at the CBS 105 SL Elba.
SPECIFICATIONS
CBS 105–140 S/T L ELBA
LINEAR BINS WITH SKIP HOIST
### TABLE

<table>
<thead>
<tr>
<th>TYPE</th>
<th>CBS 105 S/T L ELBA</th>
<th>CBS 110 S/T L ELBA</th>
<th>CBS 120 S/T L ELBA</th>
<th>CBS 130 TL ELBA</th>
<th>CBS 140 TL ELBA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MIXER TYPE</strong>¹</td>
<td>CEM 2000 S</td>
<td>CEM 2250 S</td>
<td>CEM 2500 S</td>
<td>CEM 3000 T</td>
<td>CEM 3333 T</td>
</tr>
<tr>
<td><strong>MAX. CONCRETE OUTPUT OF THE PLANT, COMPACTED FRESH CONCRETE</strong>¹</td>
<td>107 m³/h</td>
<td>114 m³/h</td>
<td>121 m³/h</td>
<td>130 m³/h</td>
<td>138 m³/h</td>
</tr>
<tr>
<td><strong>MIXER VOLUME</strong></td>
<td>2000 l</td>
<td>2250 l</td>
<td>2500 l</td>
<td>3000 l</td>
<td>3333 l</td>
</tr>
<tr>
<td><strong>ACTIVE AGGREGATE STOCK</strong></td>
<td>105–312 m³</td>
<td>105–312 m³</td>
<td>105–312 m³</td>
<td>105–312 m³</td>
<td>140–312 m³</td>
</tr>
<tr>
<td><strong>MAX. COMPONENTS</strong></td>
<td>3–12</td>
<td>3–12</td>
<td>3–12</td>
<td>3–12</td>
<td>4–12</td>
</tr>
<tr>
<td><strong>MAX. CEMENT TYPES</strong></td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td><strong>CONNECTION POWER</strong>²</td>
<td>280 KVA</td>
<td>320 KVA</td>
<td>320 KVA</td>
<td>350 KVA</td>
<td>380 KVA</td>
</tr>
<tr>
<td>with generator set</td>
<td>Simultaneous factor 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>CONNECTION POWER</strong>²</td>
<td>115 kW</td>
<td>128 kW</td>
<td>128 kW</td>
<td>139 kW</td>
<td>155 kW</td>
</tr>
<tr>
<td>Main connection with 1 cement screw conveyor</td>
<td>Simultaneous factor 0.8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

¹ The concrete output depends on several parameters and has to be calculated individually for every case of application.
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 / CEM T = twin-shaft compulsory mixer

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The figures are based on a discharging on dump trucks.

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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 / CEM T = twin-shaft compulsory mixer
LINEAR PLANT WITH BELT-CONVEYED FEEDING
Customers like to use the conditional by the design higher hourly output of belt-conveyed feeding plant. The floor space required for this, may differ on the local situation which can have a positive impact on the overall design. Difficult conditions can be realized thereby.

Thanks to the mounted pre-hopper on top of the mixer on a belt-conveyed plant, the production output for standard concrete are possible from 114 m³/h up to 161 m³/h.

MAXIMUM MIXER SELECTION
Single-shaft or twin-shaft mixer of the type CEM S Elba or CEM T Elba with a volume of 2.0 m³ to 3.5 m³ hardened concrete per batch can be installed variably, depending on the machine size. The already generously dimensioned walkability can be optionally by a wide range of different maintenance and inspection variants extended. The pre-installed weighing module with cement and water weigher and the pre-hopper for aggregates can be completed if necessary with additional required scales as option.

The aggregates, metered in the linear bin are dosed by the conveying belt into the above the mixer placed pre-hopper and emptied via a separate locking directly into the mixer.

The installation of the concrete mixing plant CBS B Elba is made in the basic version on concrete foundation. Optional all CBS B Elba plants can also be erected semi-mobile without foundation.

“Our tip for you: Equip your Ammann compulsory mixer with EWP wear protection to extend the service life of your plant.”
SPECIFICATIONS
CBS 105–150 S/T B ELBA
LINEAR BINS WITH BELT-CONVEYED FEEDING
<table>
<thead>
<tr>
<th>TYPE</th>
<th>CBS 105 S/T B ELBA</th>
<th>CBS 110 S/T B ELBA</th>
<th>CBS 120 S/T B ELBA</th>
<th>CBS 130 TB ELBA</th>
<th>CBS 140 TB ELBA</th>
<th>CBS 150 TB ELBA</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIXER TYPE ¹</td>
<td>CEM 2000 S</td>
<td>CEM 2250 S</td>
<td>CEM 2500 S</td>
<td>CEM 3000 T</td>
<td>CEM 3333 T</td>
<td>CEM 3500 T</td>
</tr>
<tr>
<td>MAX. CONCRETE OUTPUT OF THE PLANT, COMPACTED FRESH CONCRETE ³</td>
<td>114 m³/h</td>
<td>120 m³/h</td>
<td>128 m³/h</td>
<td>152 m³/h</td>
<td>158 m³/h</td>
<td>161 m³/h</td>
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<tr>
<td>MIXER VOLUME</td>
<td>2000 l</td>
<td>2250 l</td>
<td>2500 l</td>
<td>3000 l</td>
<td>3333 l</td>
<td>3500 l</td>
</tr>
<tr>
<td>ACTIVE AGGREGATE STOCK</td>
<td>105–312 m³</td>
<td>105–312 m³</td>
<td>105–312 m³</td>
<td>105–312 m³</td>
<td>140–312 m³</td>
<td>140–312 m³</td>
</tr>
<tr>
<td>MAX. COMPONENTS</td>
<td>3–12</td>
<td>3–12</td>
<td>3–12</td>
<td>3–12</td>
<td>4–12</td>
<td>4–12</td>
</tr>
<tr>
<td>MAX. CEMENT TYPES</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>CONNECTION POWER ²/³</td>
<td>275 KVA</td>
<td>306 KVA</td>
<td>306 KVA</td>
<td>335 KVA</td>
<td>375 KVA</td>
<td>375 KVA</td>
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<tr>
<td>with generator set</td>
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<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Simultaneous factor 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CONNECTION POWER ²/³</td>
<td>110 kW</td>
<td>122 kW</td>
<td>122 kW</td>
<td>133 kW</td>
<td>150 kW</td>
<td>150 kW</td>
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<tr>
<td>Main connection with 1 cement screw conveyor</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Simultaneous factor 0.8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

¹ The concrete output depends on several parameters and has to be calculated individually for every case of application.
² The figures are based on a discharging on dump trucks.
³ The exact electrical connection data are to be determined in accordance with the real plant-lay-out including accessories and plant extensions.
⁴ Inclined belt with 30 kW accepted
⁵ CEM S = single-shaft compulsory mixer / CEM T = twin-shaft compulsory mixer

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CBS B Elba
CONCRETE-MIXING PLANT
CBS 180–200 TB ELBA
WITH TWIN-SHAFT MIXER

HIGH PRODUCTION PLANT WITH
BELT-CONVEYED FEEDING
Large construction sites need high concrete output rates
with a reliable, durable and consistent concrete quality.
For our high-performance systems CBS 180 TB Elba and
CBS 200 TB Elba becomes available.
For standard concrete an hourly output of 177 m³/h up to
190 m³/h are possible.

HIGH VOLUME MIXERS
The twin-shaft mixer CEM T Elba used in these mixing
plants is in size 4.0 m³ at CBS 180 TB Elba and 4.5 m³ at
CBS 200 TB Elba.
The generously dimensioned walkability facilitate the
maintenance and inspection work. The pre-installed
weighing module with cement and water weigher and the
pre-hopper for aggregates can be completed if necessary
with additional required scales as option.

The aggregates, metered in the linear bin are dosed by the
conveying belt into the above the mixer placed pre-hopper
and emptied via a separate locking directly into the mixer.

The installation of the concrete mixing plant CBS B Elba is
made in the basic version on concrete foundation. Optional
all CBS B Elba plants can also be erected semi-mobile
without foundation.

HIGHLIGHTS
• High production output
• Generously dimensioned mixing platform
  for easy access and serviceability
• Significant dust reduction through
  optional dedusting plant
• Partly galvanizing is standard
• Adding of additives and special
  products as option possible
• Foundation-free installation on
  steel frames as an option
• Winter cladding of the mixing
tower as option possible
• Quick installation through pre-assembled modules

“Our tip for you: Equip your
Ammann compulsory mixer
with EWP wear protection
to extend the service life of
your plant.”
The CBS 180 TB Elba just before commissioning.
SPECIFICATIONS

CBS 180–200 TB ELBA
LINEAR BINS WITH BELT-CONVEYED FEEDING

[Diagram of the equipment with dimensions and angles marked]
<table>
<thead>
<tr>
<th>TYPE</th>
<th>CBS 180 TB ELBA</th>
<th>CBS 200 TB ELBA</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIXER TYPE</td>
<td>CEM 4000 T</td>
<td>CEM 4500 T</td>
</tr>
<tr>
<td>MAX. CONCRETE OUTPUT OF THE PLANT, COMPACTED FRESH CONCRETE</td>
<td>177 m³/h</td>
<td>190 m³/h</td>
</tr>
<tr>
<td>MIXER VOLUME</td>
<td>4000 l</td>
<td>4500 l</td>
</tr>
<tr>
<td>ACTIVE AGGREGATE STOCK</td>
<td>140–312 m³</td>
<td>140–312 m³</td>
</tr>
<tr>
<td>MAX. COMPONENTS</td>
<td>4–12</td>
<td>4–12</td>
</tr>
<tr>
<td>MAX. CEMENT TYPES</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>CONNECTION POWER</td>
<td>550 KVA</td>
<td>550 KVA</td>
</tr>
<tr>
<td>With generator set Simultaneous factor 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CONNECTION POWER</td>
<td>222 kW</td>
<td>222 kW</td>
</tr>
<tr>
<td>Main connection with 1 cement screw conveyor Simultaneous factor 0.8</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1 The concrete output depends on several parameters and has to be calculated individually for every case of application.
2 The figures are based on a discharging on dump trucks.
3 The exact electrical connection data are to be determined in accordance with the real plant-lay-out including accessories and plant extensions.
4 CEM T = twin-shaft compulsory mixer
The Ammann mixer is equipped with every required safety switch and meets the current machine directive.

The mixer wearing parts consist entirely of screwless elements. Only the two last rows are screwed into place. The big advantage: better utilisation of wear material.

Generously dimensioned maintenance doors facilitate maintenance and cleaning work.

Local mixer operation facilitates cleaning and maintenance work.

Mixer viewing window: a safety end switch ensures visual control when the mixer cleaning system is switched on.

The mixer and cement weigher are connected via an aeration hose. The self-contained system ensures the required pressure compensation.

The twin-shaft compulsory mixer features two synchronised motors and two gear systems connected by toothed belts with protection against damage.

Quality control via optional camera system: mounted to a pneumatically operated camera shaft directly on the mixer.

The mixer is equipped as standard with a central mixer lubrication system.
**CBS OPTIONS**

A total of four motorised cleaning jets ensure the mixer looks as good as new.

The half-shelf on the shaft sealing enables quick and easy maintenance. It is no longer necessary to remove the gear system and motor.

Lowerable mixer discharge funnel clad with EWP wear protection.

EWP Elba wear protection is a complete set consisting of highly wear-resistant polyurethane. It is designed to fit exactly, for instance on the mixer shaft and paddles, discharge hopper and aggregate skip.

The CBS 130 TL Elba on concrete foundations. The plant can also be supplied on steel frame foundations as an optional extra.

The central dedusting filter has a separate maintenance platform.