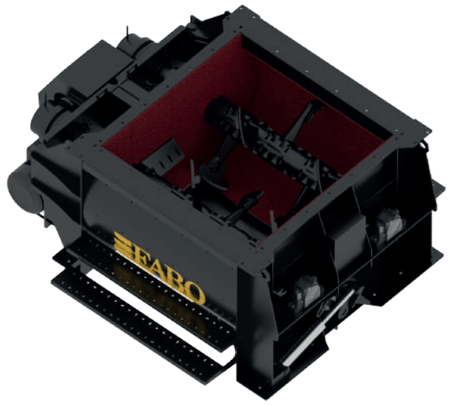
FABO
CRUSHING SCREENING & CONCRETE BATCHING PLANTS

COMPACT-160

COMPACT CONCRETE BATCHING PLANT



MIXER SPECIFICATIONS





TECHNICAL SPECIFICATIONS

BASIC TECHNICAL SPECIFICATIONS	DATA
Mixer	Twin Shaft Mixer 4.5 m³
Loading Capacity	6750 L
Fresh Concrete Capacity	5625 L
Compacted Concrete Capacity	4500 L

BASIC TECHNICAL SPECIFICATIONS	DATA
Motor Power	2 x 90 kW
Discharge Method	Hydraulic Cover

Note: All weights and dimensions apply only to standard units.

TRANSFER DIMENSIONS

2860 mm



12634 mm



3302 mm

OPERATING DIMENSIONS

5124 mm



17294 mm

10885 mm



Weight : 28000 kg

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COMPACT-160 COMPACT CONCRETE BATCHING PLANT

LESS SPACE, MORE PRODUCTION

COMPACT-160 is a compact concrete batching plant developed by FABO Global, combining high production capacity and efficiency with a compact design. With a production capacity of 140–160 m³/hour, a powerful mixer unit, precise weighing system, and advanced automation technology, it delivers maximum performance even in intensive projects. Its modular and compact structure allows installation with minimal space requirements, offering quick assembly and easy transportability. With low operating costs, durable construction, long-lasting equipment, and factory-based quality control processes, it provides a reliable, uninterrupted, and high-quality concrete production solution.

KEY FEATURES:

– Easy Transport and Installation: The entire plant is mounted on a single chassis, allowing easy transport and installation. It can be moved with a single truck.
– Automatic and Precise Weighing: Aggregates, water, cement, and additives are weighed automatically (with load cells), ensuring improved concrete quality and mix homogeneity.
– European Standard Compliance: Transport and operating dimensions comply with European standards.
– Fuel Efficiency and Low Operating Costs: Designed for fuel savings and reduced operational expenses.

PRODUCTION CAPACITY:
140–160 M³/H

SPECIFICATIONS	DATA
Equipment:	Twin Shaft
Total Power:	120 kW
Transport Dimensions:	12634 mm (Length) 2860 mm (Width) 3302 mm (Height)
Weight:	28000 kg

1 **Aggregate Bunker**
– Bunker Capacity: 150 m³
– Number of Compartments: 2 × 30 m³ or 3 × 30 m³
– Construction: Made from 6 mm ST-37 A1 quality specially curved sheet for longer durability
– Sand Compartment: Equipped with 4 × 0.37 kW vibration motors to improve material flowability.
– Discharge: Pneumatic piston
*Moisture Sensor: Optional
*Grate and Cover: Optional

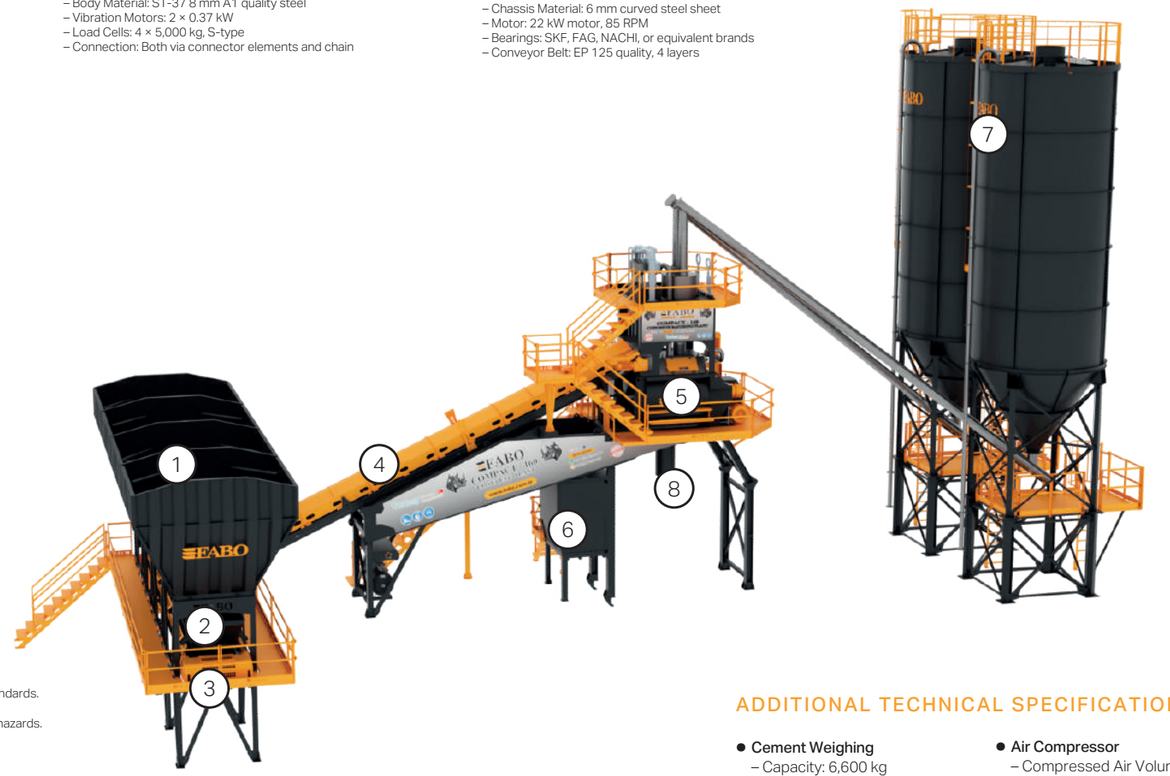
2 **Aggregate Weighing Bunker**
– Weighing Capacity: 20,000 kg
– Body Material: ST-37 8 mm A1 quality steel
– Vibration Motors: 2 × 0.37 kW
– Load Cells: 4 × 5,000 kg, S-type
– Connection: Both via connector elements and chain

3 **Aggregate Weighing Belt**
– Belt Dimensions: 1200 mm × 7,600 mm or 1200 mm × 12,000 mm
– Chassis Material: 6 mm curved steel sheet
– Motor: 22 kW motor, 85 RPM
– Bearings: SKF, FAG, NACHI, or equivalent brands
– Conveyor Belt: EP 125 quality, 4 layers

8 **Discharge Chute**
– Non-Stick Sloped Design
– Body Material: ST-37 6 mm A1 quality steel
– Wear-Resistant Material: Hardox 450, 10 mm A1 quality steel
– Vibration Motor: 0.37 kW
– Maintenance-Friendly: Bolted components for easy maintenance

7 **Cement Silo**
– Special System Cement Screw
– Capacity: 200 tons (bolted or welded)
– Filter Area: 25 m² top surface
– Protection Flap: Included for silo
– Level Indicators: 2 per silo
– Silo Filling Pipe: Ø 114 mm steel pipe
– Legs: Ø 219 mm × 9 mm profile
– Flow Aids: 8 per silo
– Hopper and Body Material: ST-37 6 mm A1 quality steel
– Roof Material: ST-37 5 mm A1 quality steel
– Manual Flap: Ø 300 mm double flange with hand lever

6 **Automation System**
– Concrete production according to recipe – Produces concrete based on the recipe.
– PLC-controlled automation: Automatically manages all production processes.
– Precise weighing sensors (loadcell): Ensures dosing of aggregates, cement, water, and additives.
– Automatic material dosing: Provides homogeneous mixing according to standards.
– Production data recording: Process monitoring and reporting.
– Alarm and safety system: Automatic stop and warning in case of faults and hazards.
– Energy and time savings: Enables efficient and uninterrupted production.



5 **Twin Shaft Mixer (Double Shaft)**
– 4.5 m³ Fresh Concrete Capacity
– Hydraulically Driven Discharge Gate
– Automatic Lubrication System
– Side Wear-Resistant Material: Hardox 450, 15 mm A1 quality steel
– Body Wear-Resistant Material: Cast, 20 mm
– High-Strength Internal Mixer Wear Parts
– High-Efficiency Gearbox and Motor
– Emergency Stop Safety Measure
– Capable of Producing: Ready-mix concrete, precast concrete, roller-compacted concrete (RCC), and compacted concrete

4 **Belted Transfer System**
– Belt Dimensions: 1200 mm × 13,000 mm
– Chassis Material: 5 mm bent steel sheet
– Motor: 22 kW
– Bearings: FAG, SKF, or equivalent brands
– Conveyor Belt: EP 125 quality, 4-layer wear-resistant rubber belt
– Belt Thickness: 10 mm
– Drive Drums: Ø 320 mm, 5 mm thick, rubber-coated
– Equipped with Emergency Stop Button

* OPTIONAL

ADDITIONAL TECHNICAL SPECIFICATIONS

- **Cement Weighing**
  – Capacity: 6,600 kg
  – Body: ST-37 A1 quality, 8 mm steel
  – Actuated Flap
  – Load Cells: 3 × 1,000 kg
- **Water Weighing**
  – Capacity: 1,500 kg
  – Body: ST-37 A1 quality, 6 mm steel
  – Actuated Flap
  – Load Cells: 4 × 1,000 kg
- **Air Compressor**
  – Compressed Air Volume: 500 L
  – Brand: DALGAKIRAN
  – Origin: Turkey
  – Type: Belt-Driven Piston Compressor
  – Motor: 7.5 kW
  – Maximum Air Pressure: 10 bar
- **Additive Weighing**
  – Capacity: 50 L
  – Body: ST-37 A1 quality, 6 mm steel
  – Actuated Flap
  – Load Cell: 1 × 100 kg

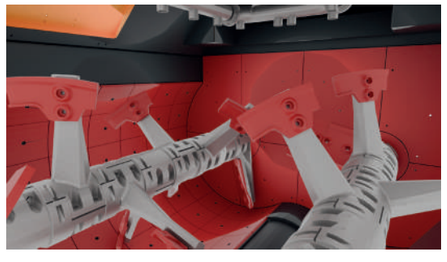
COMPACT-160 COMPACT CONCRETE BATCHING PLANT TECHNICAL SPECIFICATIONS

Production Capacity	Aggregate Bunker	Conveyor Capacity	Looding Type	Mixer Capacity	Mixer Type	Cement Weighing	Water Weighing	Additive Weighing	Control System	Control Cabinet	Cement Screw Diameter	Compressor
140-160 m³/h	4 x 30 m³	8800 kg	Conveyor	4500/6750 L	Twin Shaft	6600 kg	1500 L	50 L	Siemens Or ABB	Included	Ø 323 mm	Included

STANDARD FEATURES



The twin shaft mixer and integrated upper unit are designed to ensure fast, homogeneous, and uninterrupted operation in high-capacity concrete production.



The twin shaft mixer's mixing arms, with their high wear-resistant construction, mix materials homogeneously in a short time, ensuring efficient and long-lasting operation.



The automation system and control cabin serve as the central control infrastructure, precisely, safely, and fully managing all production processes of the concrete plant.



The cement silo, with its high storage capacity and durable body structure, ensures safe, uninterrupted, and controlled feeding of cement.



The aggregate bunker is the primary storage and dosing unit of the concrete plant, enabling regular, controlled, and high-capacity feeding of materials of different sizes.

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