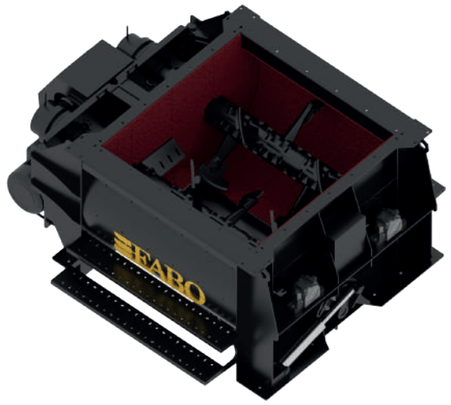
FABO
CRUSHING SCREENING & CONCRETE BATCHING PLANTS

COMPACT-120

COMPACT
CONCRETE BATCHING PLANT



MIXER SPECIFICATIONS





TECHNICAL SPECIFICATIONS

KEY TECHNICAL SPECIFICATIONS	DATA
Mixer	Twin Shaft Mikser 3.3 m³
Load Capacity	5000 L
Fresh Concrete Capacity	4160 L
Compacted Concrete Capacity	3330 L

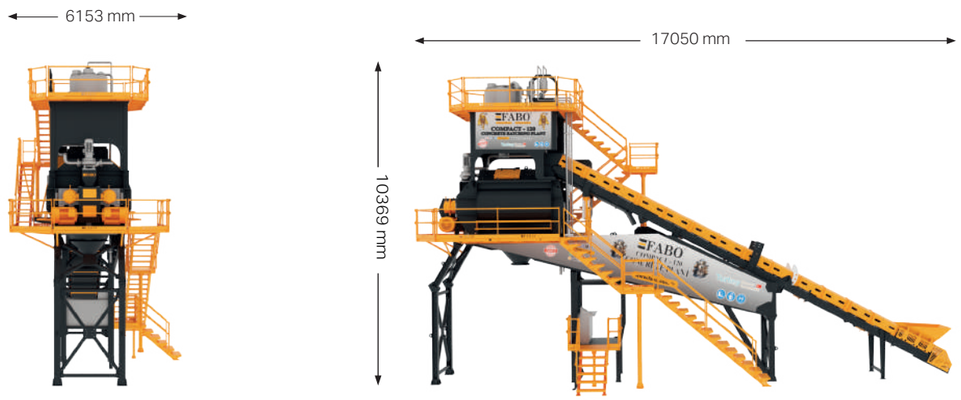
KEY TECHNICAL SPECIFICATIONS	DATA
Motor Power	2 x 55 kW
Discharge Method	Hydraulic Cover

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

TRANSFER DIMENSIONS



OPERATING DIMENSIONS



Weight : 25000 kg

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COMPACT-120 COMPACT CONCRETE BATCHING PLANT

COMPACT FOOTPRINT, MAXIMUM OUTPUT

COMPACT-120 is a compact concrete plant developed by FABO Global, combining high production capacity and efficiency with a compact design. With a production capacity of 120–130 m³/hour, a powerful mixer unit, precise weighing system, and advanced automation technology, it delivers maximum performance even on demanding projects. Its modular and compact structure allows installation with minimal space requirements, offering fast assembly and easy portability. Low operating costs, durable construction, long-lasting equipment, and factory-standard quality control processes provide a reliable, uninterrupted, and high-quality concrete production solution.

KEY FEATURES

– The entire plant is mounted on a single chassis, ensuring ease of transportation and installation; it can be moved with a single truck.
– Automatic (load-cell) and precise weighing of aggregates, water, cement, and admixtures enhances concrete quality and mix homogeneity.
– Transport and operating dimensions comply with European standards.
– Designed for fuel efficiency and low operating costs.

PRODUCTION CAPACITY:

120–130 M³/H

FEATURES	DATA
Equipment:	Twin Shaft
Total Power:	140 kW
Transport Dimensions:	11103 mm (Length) 2330 mm (Width) 2750 mm (Height)
Weight:	25000 kg

* OPSİYONEL

1 Aggregate Bunker
– Bunker Capacity: 120 m³
– Number of Compartments: 4 × 30 m³
– Constructed from 6 mm ST-37 A1 quality specially bent steel for longer service life.
– Sand compartment equipped with four 0.37 kW vibro motors to enhance flowability.
– Discharge is operated via pneumatic piston.
* Moisture Sensor (optional)
* Grating and Closure (optional)

2 Aggregate Weighing Bunker
– Weighing Capacity: 20,000 kg
– Body Material: 6 mm ST-37 A1 quality steel
– Vibro Motors: 2 × 0.37 kW EMTAŞ brand
– Load Cells: 4 × 5,000 kg, S-type
– Connected via both coupling and chain

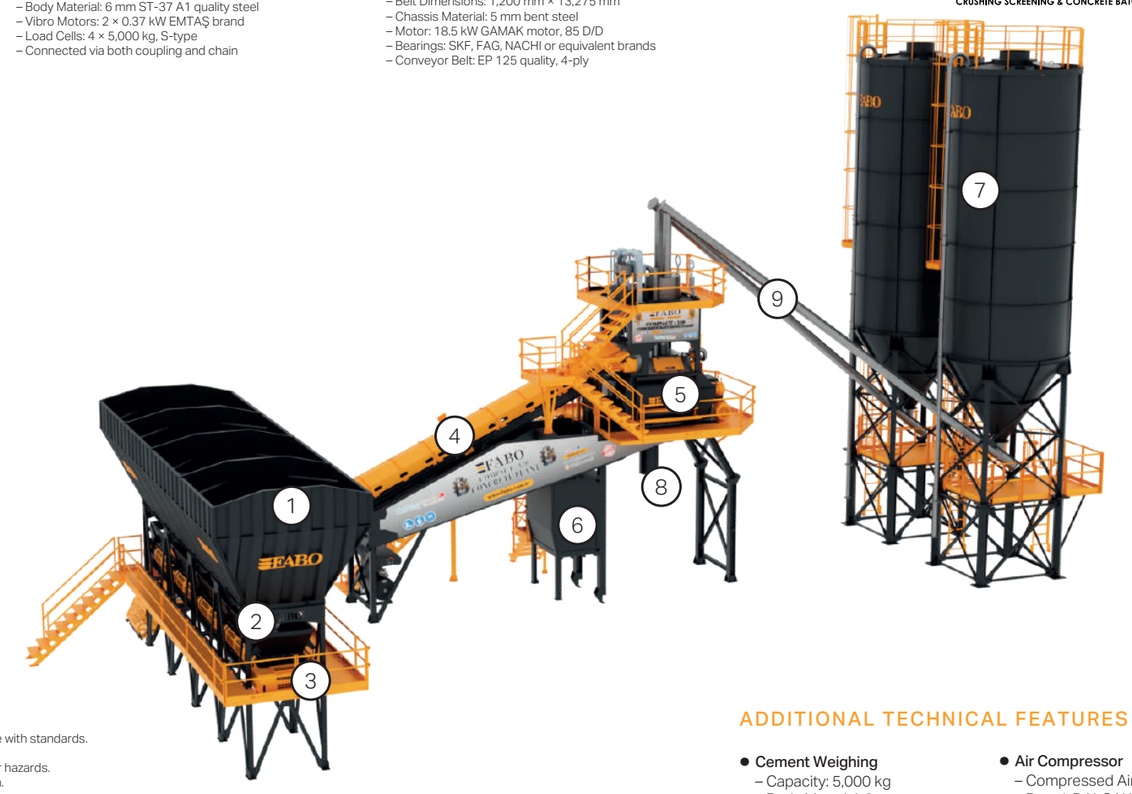
3 Aggregate Weighing Belt
– Belt Dimensions: 1,200 mm × 13,275 mm
– Chassis Material: 5 mm bent steel
– Motor: 18.5 kW GAMAK motor, 85 D/D
– Bearings: SKF, FAG, NACHI or equivalent brands
– Conveyor Belt: EP 125 quality, 4-ply

9 Screw System
– Screws: 2 × WAM brand,
– Ø 273 × 12,000 mm

8 Discharge Chute
– Non-stick sloped sleek design
– Body Material: 6 mm ST-37 A1 quality steel
– Wear-Resistant Material: 10 mm Hardox 450 A1 quality steel
– Vibro Motor: 0.37 kW
– Bolted components for easy maintenance

7 Cement Silo
– Special System Cement Screw
– Volume: 2 × 100 tons (bolted or welded)
– Filter: 25 m² top surface area
– Silo Protection Flap
– Level Indicators: 2 per silo
– Silo Filling Pipe: Ø 114 mm steel pipe
– Legs: Ø 219 mm × 9 mm profile
– Flow Aid Units: 8 per silo
– Hopper and Body Material: 6 mm ST-37 A1 quality steel
– Roof Material: 5 mm ST-37 A1 quality steel
– Manual Flap with Ø 300 mm double flange

6 Automation System
– Concrete Production According to Recipe – PLC-Controlled Automation: Automatically manages all production processes.
– Precise Weighing Sensors (Load Cells): Ensures accurate dosing of aggregates, cement, water, and additives.
– Automatic Material Dosing: Provides homogeneous mixing in accordance with standards.
– Production Data Recording: Enables process monitoring and reporting.
– Alarm and Safety System: Automatic stop and warning in case of faults or hazards.
– Energy and Time Savings: Ensures efficient and uninterrupted production.



5 Twin Shaft Mixer (Double Shaft)
– Wet Concrete Capacity: 3.3 m³
– Hydraulically Driven Discharge Gate
– Automatic Lubrication System
– Side Wear-Resistant Material: 15 mm Hardox 450 A1 quality steel
– Body Wear-Resistant Material: 20 mm cast steel
– High-Strength Internal Wear Parts of the Mixer
– High-Efficiency Gearbox and Motor
– Emergency Stop Safety Feature
– Capable of Producing: Ready-mix concrete, precast concrete, roller-compacted concrete (RCC)

4 Belt Transfer System
– Belt Dimensions: 1,200 mm × 14,320 mm
– Chassis Material: 5 mm bent steel
– Motor: 18.5 kW
– Bearings: FAG, SKF or equivalent brands
– Conveyor Belt: EP 125 quality, 4-ply wear-resistant rubber belt
– Belt Thickness: 10 mm
– Drive Drums: Ø 320 mm × 10 mm thick, rubber-covered
– Equipped with Emergency Stop Button

ADDITIONAL TECHNICAL FEATURES

- **Cement Weighing**
  – Capacity: 5,000 kg
  – Body Material: 8 mm ST-37 A1 quality steel
  – Actuated Flap
  – Load Cells: 3 × 1,000 kg
- **Water Weighing**
  – Capacity: 1,000 kg
  – Body Material: 6 mm ST-37 A1 quality 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: 30 lt x 4
  – Body Material: 6 mm ST-37 A1 quality steel
  – Actuated Flap
  – Load Cell: 1 × 100 kg
  *4 x 100 kg opsiyonel

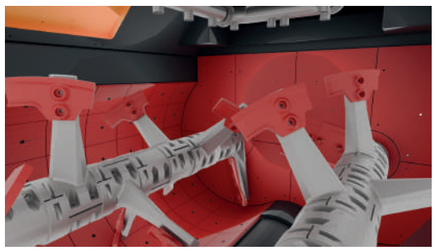
KOMPAKT-120 KOMPAKT BETON SANTRALİ TEKNİK ÖZELLİKLER

Production Capacity	Aggregate Bunker	Belt Capacity	Loading Method	Mixer Capacity	Mixer Type	Cement Weighing	Water Weighing	Additive Weighing	Control Systems	Control Cabin	Screw Diameter	Compressor
120-130 m³/h	4 x 30 m³	5000 kg	Belt-Type / Bucket-Type	3000/4500 L	Twin Shaft Mixer	5000 kg	1000 L	30 L	Siemens Or ABB	Included	Ø 273 mm	Included

STANDARD FEATURES



The twin shaft mixer and integrated upper assembly are designed to ensure fast, homogeneous, and continuous 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, managing all production processes of the concrete plant with precision, safety, and full integration.



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



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



*The bucket system, which transports and feeds aggregates to the mixer unit, ensures fast, safe, and efficient concrete production with its sturdy steel construction and compact design.

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