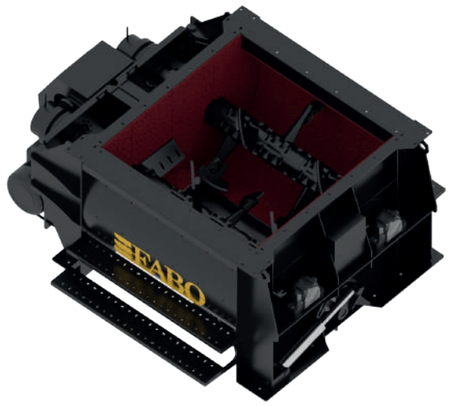
FABO
CRUSHING SCREENING & CONCRETE BATCHING PLANTS

TURBOMIX-100
MOBILE CONCRETE BATCHING PLANT



MIXER SPECIFICATIONS





TECHNICAL SPECIFICATIONS

SPECIFICATIONS	DATA
Mixer	Twin Shaft Mixer 2,0 m³
Loading Capacity	3000 L
Fresh Concrete Capacity	2500 L
Compacted Concrete Capacity	2000 L

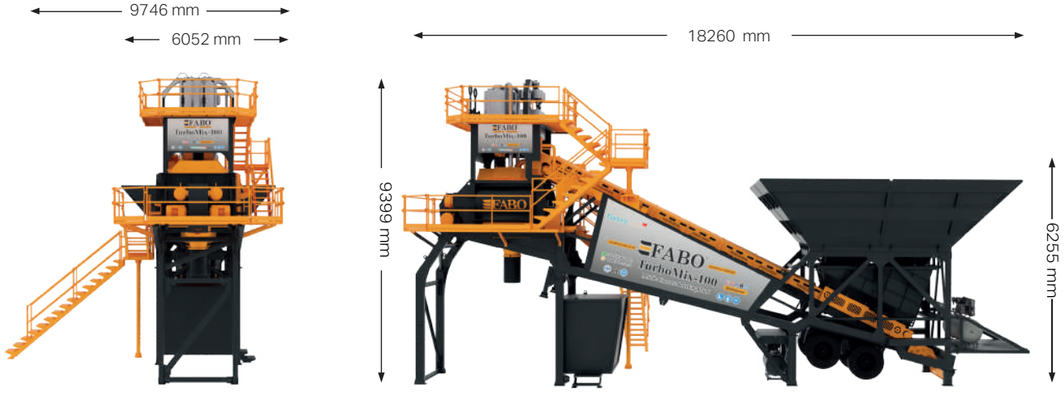
SPECIFICATIONS	DATA
Motor Power	2 x 37 kW
Discharge Type	Hydraulic Cover

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

TRANSPORT DIMENSIONS



WORKING DIMENSIONS



Weight : 38000 kg

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TURBOMIX-100 MOBILE CONCRETE BATCHING PLANT

HIGH-PERFORMANCE, PORTABLE, AND EFFICIENT SOLUTION

Turbomix-100 is a mobile concrete batching plant developed by FABO Global, offering rapid installation and high production capacity. With its 100 m³/hour production capacity, powerful mixer unit, precise weighing system, and advanced automation technology, it provides maximum efficiency under various jobsite conditions. The compact structure designed on a single chassis ensures easy transportation, minimal assembly time, and low operating costs. Its robust construction, long-lasting components, and factory-level quality control processes deliver a reliable concrete production solution.

KEY FEATURES:

– Since the entire plant is assembled on a single chassis, it provides ease of transportation and installation. It can be transported with a single truck.
– Automatic and precise weighing (load-cell based) of aggregate, water, cement, and additives enhances concrete quality and mixture homogeneity.
* – An optional integrated cement silo can be added, eliminating the need for an external silo installation.
– Transport and operating dimensions comply with European standards.
– Designed for fuel efficiency and low operating costs.

PRODUCTION CAPACITY:

100 M³/H

SPECIFICATIONS	DATA
Equipment:	Twin Shaft
Total Power:	110 kW
Transport Dimensions:	18916 mm (Length) 3123 mm (Width) 4700 mm (Height)
Weight:	38000 kg

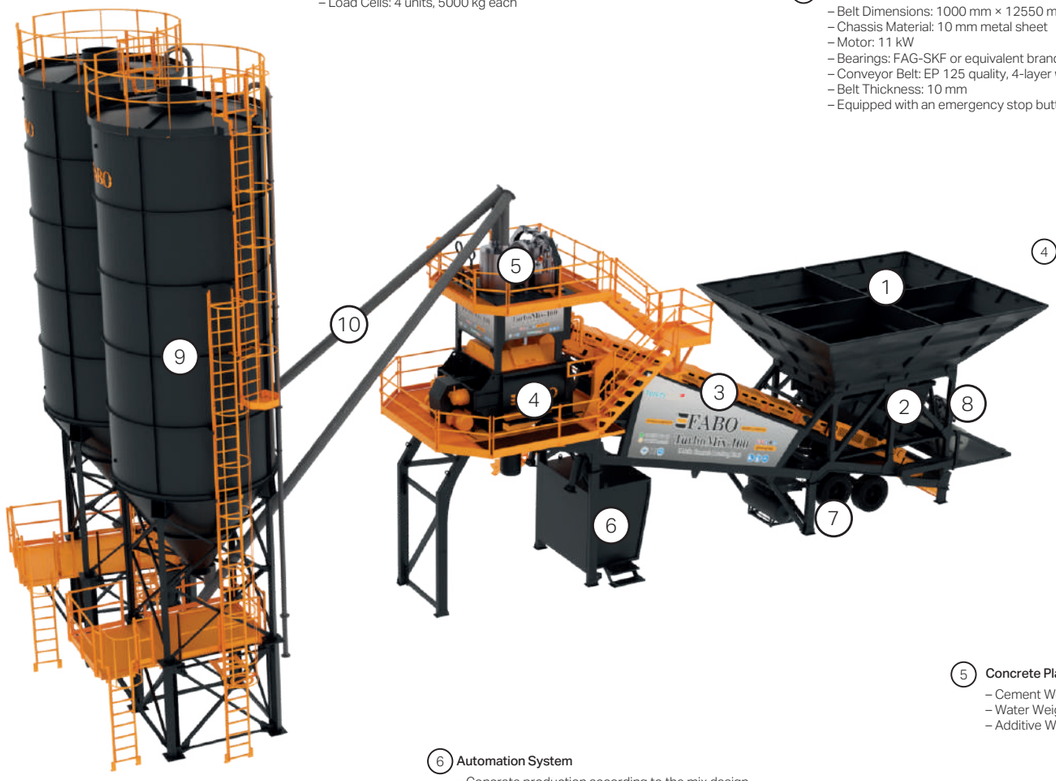
1 Aggregate Bunker
– Bunker Capacity: 60 m³
– Number of Compartments: 4 × 15 m³
– Manufactured from 6 mm ST-37 A1 quality specially folded steel for longer durability.
– The sand compartment is equipped with 2 × 0.37 kW vibration motors to improve flowability.
– Discharge is achieved via a pneumatic piston.
* An optional heating system is available for operation in cold conditions.

2 Aggregate Weighing Hopper
– Weighing Capacity: 6600
– Body Material: ST-37 5 mm A1 quality steel sheet
– Vibro Motor: 2 units, 0.37 kW
– Load Cells: 4 units, 5000 kg each

3 Belt Transfer System
– Belt Dimensions: 1000 mm × 12550 mm
– Chassis Material: 10 mm metal sheet
– Motor: 11 kW
– Bearings: FAG-SKF or equivalent brands
– Conveyor Belt: EP 125 quality, 4-layer wear-resistant rubber belt
– Belt Thickness: 10 mm
– Equipped with an emergency stop button

10 Screw Conveyor
– Ø 273x10.000mm
– Motor Power: 15 kW

9 Cement Silo
– Special system cement screw conveyor
– Capacity: 100 tons (bolted or welded)
– Filter: 25 m² top surface area (WAM brand)
– Silo protection flap: WAM brand
– Level indicators: 2 units per silo
– Silo filling pipe: Ø 114 mm steel pipe
– Legs: Ø 219 mm × 8 mm profile
– Each silo is equipped with 3 flow aid devices



4 Twin Shaft Mixer (Dual Shaft)
– 2.0 m³ fresh concrete capacity
– Hydraulic-driven discharge gate
– Automatic lubrication system
– High-strength wear parts inside the mixer
– High-efficiency gearbox and motor
– Emergency stop safety feature
– Capable of producing ready-mix concrete, precast concrete, roller-compacted concrete (RCC)
– Optional heating system for operation in cold conditions

8 Air Compressor
– Compressed Air Volume: 500 L
– Brand: DALGAKIRAN
– Origin: Turkey
– Type: Belt-Driven Piston Compressor
– Motor: 5.5 kW
– Maximum Air Pressure: 10 bar

5 Concrete Plant Upper Structure
– Cement Weighing
– Water Weighing
– Additive Weighing

* OPTIONAL

7 Axle System
– Manufactured with 2 axles.

6 Automation System
– Concrete production according to the mix design
– PLC-controlled automation: Automatically manages all production processes.
– Precision weighing sensors (load cells): Ensures accurate dosing of aggregate, cement, water, and additives.
– Automatic material dosing: Provides a homogeneous mixture in compliance with standards.
– Production data recording: Enables process monitoring and reporting.
– Alarm and safety system: Automatic stop and alerts in case of faults or hazards.
– Energy and time savings: Allows efficient and uninterrupted production.

TURBOMIX-100 MOBILE CONCRETE BATCHING PLANT – TECHNICAL SPECIFICATIONS

Production Capacity	Aggregate Bunker	Belt Capacity	Mixer Capacity	Mixer Type	Cement Weighing	Water Weighing	Additive Weighing	Control Systems	Control Cabin	Screw Diameter	Compressor
100 m³/h	4 x 15 m³	3300 kg	2000/3000 L	Twin Shaft	4000 kg	750 L	50 L	Siemens Or ABB	Included	Ø 273 mm	Included

STANDART ÖZELLİKLER



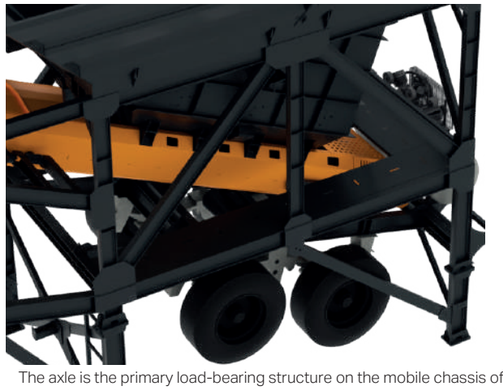
The Twin Shaft mixer is a dual-shaft mixer that provides fast and homogeneous mixing in high-capacity concrete production.



The automation system and control cabin constitute the central control infrastructure that manages all production processes of the concrete plant with precision, safety, and full integration.



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



The axle is the primary load-bearing structure on the mobile chassis of the concrete plant, providing support for the weight and ensuring safe mobility.

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