FABO
CRUSHING SCREENING & CONCRETE BATCHING PLANTS

MINIMIX-30

MOBILE CONCRETE BATCHING PLANT



MIXER FEATURES



TECHNICAL SPECIFICATIONS

KEY TECHNICAL SPECIFICATIONS	DATAS
Mixer	Planet Mixer
Loading Capacity	750 L
Fresh Concrete Capacity	625 L
Compacted Concrete Capacity	500 L

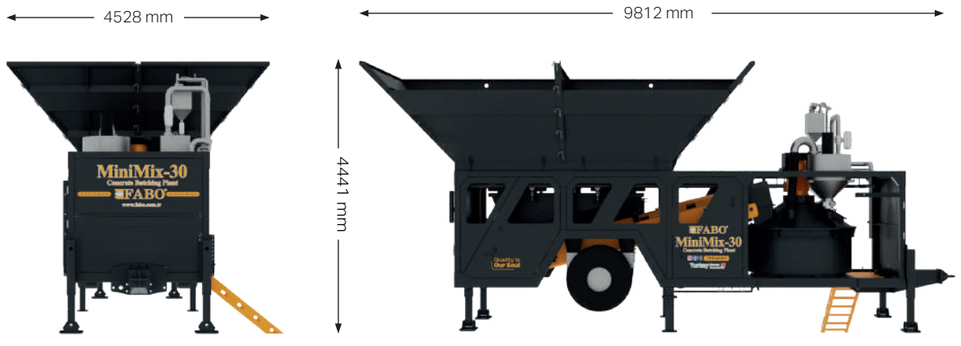
KEY TECHNICAL SPECIFICATIONS	DATAS
Engine Power	22 kW
Discharge Method	Hydraulic Gate

Note: All weights and dimensions are valid only for standard units.

TRANSPORT DIMENSIONS



WORKING DIMENSIONS



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MINIMIX-30 MOBILE CONCRETE BATCHING PLANT

HIGH-PERFORMANCE, PORTABLE AND EFFICIENT SOLUTION

MINIMIX-30 is a new-generation mobile concrete batching plant developed with FABO Global engineering, offering rapid setup, easy transportation, and efficient concrete production. With a production capacity of 30 m³ per hour, a high-performance planetary mixer, a precision weighing system, and advanced PLC automation, it ensures reliable and continuous production under various site conditions. Its compact design on a single chassis provides minimal setup time, low operating costs, and easy transportation, while its durable steel construction, long-lasting equipment, and FABO Global's quality control standards ensure maximum performance and a long service life.

KEY FEATURES:

- The entire plant is compactly designed on a single chassis, offering easy transportation and rapid setup. It can be transported with a single tractor unit.
- Aggregates, cement, water, and admixtures are automatically dosed through a precision weighing system with load cells, ensuring high concrete quality and a homogeneous mix.
- Its dimensions comply with European road transport standards, providing safe and practical logistics advantages.
- It is designed to ensure low energy consumption, fuel savings, and minimum operating costs.

PRODUCTION CAPACITY:
30 M³/H

FEATURES	DATAS
Equipment:	Planet mixer
Total Power:	45,05 kW
Transport Dimensions:	8328 mm (Length) 2377 mm (Width) 2650 mm (Height)
Weight:	12.500 kg

1 Aggregate Hopper
- Hopper Capacity: 24 m³
- Number of Compartments: 4 x 6 m³
- Manufactured from specially curved 5 mm ST-37 A1 grade sheet metal for extended service life.
- The sand compartment is equipped with 2 x 0.37 kW vibrator motors to improve material flow.
- Discharge is provided by a pneumatic cylinder.
- * A heating system is available as an option for production in cold conditions.

11 Automation System
- Concrete production according to the recipe
- PLC-Controlled Automation: Automatically manages all production processes.
- Precision Weighing Sensors (Load Cells): Ensure accurate dosing of aggregates, cement, water, and admixtures.
- Automatic Material Dosing: Provides a homogeneous mix in compliance with standards.
- Production Data Recording: Enables process monitoring and reporting.
- Alarm and Safety System: Automatically stops the system and provides warnings in case of faults or hazards.
- Energy and Time Savings: Enables efficient and uninterrupted production.

10 Screw Conveyor
- Ø 168 x 6 mm
- Motor Power: 4 kW

9 Cement Silo
- Special-System Cement Screw Conveyor
- Capacity: 100 tons (Bolted or Welded)
- Filter: 25 m² Filter Area (WAM Brand)
- Silo Protection Flap: WAM Brand
- Level Indicators: 2 units on each silo
- Silo Filling Pipe: Ø114 mm Steel Pipe
- Legs: Ø219 mm x 8 mm Profile
- 3 Fluidizing Pads per Silo

8 Air Compressor
- Compressed Air Volume: 300 L
- Brand: DALGAKIRAN
- Origin: Türkiye
- Type: Belt-Driven Piston Compressor
- Motor: 5.5 kW
- Maximum Air Pressure: 10 bar

2 Aggregate Weighing Hopper
- Weighing Capacity: 1.5 m³
- Body Material: ST-37 5 mm A1 Grade Sheet Metal
- Vibrator Motor: 0.37 kW 1 unit
- Load Cell: 4 units, 2 tons each



3 Belt Transfer System
- Belt Dimensions: 600 x 4530 mm
- Chassis Material: 5 mm Sheet Metal
- Motor: 4 kW
- Conveyor Belt: EP 125 Grade, 4-Ply Wear-Resistant Rubber Belt
- Belt Thickness: 10 mm
- Equipped with an Emergency Stop Button.

4 Planet Mixer
- 0.5 m³ Fresh Concrete Capacity
- Hydraulic-Driven Discharge Gate
- Automatic Lubrication System
- High-Strength Mixer Wear Parts
- High-Efficiency Gearbox and Motor
- Emergency Stop Safety Feature
- Capability to Produce Ready-Mix Concrete, Precast Concrete, Roller-Compacted Concrete, and RCC
- * Heating System Available as an Option for Production in Cold Conditions

5 Concrete Batching Plant Upper Unit
- Cement Weighing
- Water Weighing
- Admixture Weighing

7 Axle System
- Manufactured with 1 axle.

6 Belt
- Belt Dimensions: 600 x 15665 mm
- Motor: 5.5 kW
- Conveyor Belt: EP 125 Grade, 4-Ply Wear-Resistant Rubber Belt
- Belt Thickness: 10 mm
- Equipped with an Emergency Stop Button.

* OPTIONAL

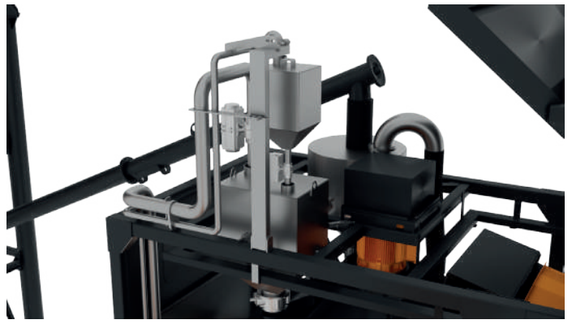
MINIMIX-30 MOBILE CONCRETE BATCHING PLANT TECHNICAL SPECIFICATIONS

Production Capacity	Aggregate Hopper	Belt Capacity	Mixer Capacity	Mixer Type	Cement Weighing	Water Weighing	Admixture Weighing	Control Systems	Control Cabinet	Screw Diameter	Compressor
30 m³/h	4 x 6 m³	1250 kg	500/650 L	Planet	400 kg	170 L	40 L	Siemens Or ABB	-	Ø 168 mm	Included

STANDART ÖZELLİKLER



The Planet Mixer delivers fast, efficient, and reliable mixing performance for the production of highly homogeneous concrete.



The upper unit ensures the controlled and efficient transfer of aggregates, cement, water, and admixtures to the mixer.



The aggregate hopper is the main storage and dosing unit of the concrete batching plant, ensuring the regular, controlled, and high-capacity feeding of materials in different sizes.



The weighing hopper with load cells ensures high-precision dosing of materials, contributing to the production of homogeneous and high-quality concrete.

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