



Frumecar Dry 3000C

Static Concrete Batch Plant **Advanced Data Sheet**

Details

Manufacturer	Frumecar
Model	Dry 3000C
Category	Static Concrete Batch Plants

Overview

The Frumecar Dry 3000C is an industry-leading concrete plant that merges high performance with innovative technology. Designed to accommodate even the most demanding construction projects, this plant features an enhanced production capacity and advanced process control. An optimized design promotes efficient material handling and unrivalled concrete quality while maintaining rigorous environmental standards. The Frumecar Dry 3000C is engineered for seamless setup and operation, making it the premier choice for large-scale infrastructure developments. The Frumecar Dry 3000C batch plant excels in high-efficiency production with a 4 cubic-yard dosing cycle and expandable hopper capacity. It ensures superior mix quality through advanced sensors and precise weighing. Factory pre-assembly and minimal foundation requirements save time and costs. Featuring advanced automation and an air-conditioned control cab, it offers ease of use and excellent quality control.

Processed Materials

Aggregate, Cement, Sand

Recommended Use

Best For Large-scale construction sites that demand high-volume, high-quality on-site concrete production. Large infrastructure projects needing high-capacity batching.

Good For

Concrete production in complex locations. Mid to large-sized projects requiring efficient and reliable concrete solutions. Quick setup and minimal foundation work due to pre-installed factory setup.

Not Built For Small-scale projects with more complex and smaller sites.

Best Loader Silos

Specifications

Number of hoppers 0

Recommended usage Ready Mix

Weight 33,730.754 lb

Capacity per batch 3.924 yd³

Dry/Wet Mixing Dry

Aggregates tank 39.2-104.6 yd³

Cement Silos 1 X 4

Control Cabin Yes

Yards per hour Up to 157.0 yd³/h

Absorbed power 39 kW

Mobility Static

Cement Tank 49.702 yd³

Total power 66 kW

Features

- ✓ Easy transportation: the entire plant (excluding the silos) is transported in one 40' high-cube container.
- ✓ Features the technology of a large-scale plant in compact dimensions.
- ✓ Water dosing assembly with meter for better precision
- ✓ Hydraulic installation, equipped with a 4 kw supply pump and pressure regulation system.
- ✓ Dosing cycles of 4 yd3
- ✓ Aggregates are dosed with a 4 yd3 weighing conveyor
- ✓ Equipped with air-conditioned control cab and computer management system.
- ✓ Requires no special foundations for the installation of the main plant block (only a continuous concrete slab).
- ✓ Cement scales with a 3,307 lbs capacity
- ✓ Pneumatic installation equipped with a 4 kw compressor.
- ✓ 10.7" cement screw conveyor
- ✓ Surface required for the installation of the plant 1,830 ft2
- ✓ Short setup time - fully pre-installed at the factory

Add-Ons

Cement Silo

2 cement silos for cement storage.

Cartridge-type Cement Filter

2 cartridge-type cement filters for cement silos.

Screw Conveyor

2 cement screw conveyors.

Additive Dosage System

Dosage system for 2 additives by counter.

Upper Silo Walkway

Upper walkway for communication with silo roofs.

K2 Standard Computer System

Cement Filling System

Feeding System for Aggregates

Aggregates Moisture Sensor

Mixer Moisture Sensor

Admixtures Dosing System

Admixtures Weighing System

Water Scale

Frequently Asked Questions

Does a dry mix plant add water during the mixing process?

No, a dry mix plant does not add water during the mixing process. These plants are typically more cost-effective and require less maintenance than wet mix plants because they lack an on-site mixer. Instead, the dry materials—such as cement, aggregates, and admixtures—are loaded into a truck. A separate truck equipped with a drum mixer is then used to mix the dry materials with water at the required location, ensuring the mix is prepared fresh when needed.

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