



DOMAT DMPE 120-4A concrete batching and mixing plant

DMPE 120-4A

DOMAT DMPE 120-4A concrete dosing and mixing plant is an industrialized equipment for mass production of premixed concrete with the possibility of storing 4 required aggregates, equipped with a Double horizontal shaft mixer. Independent gravimetric weighing systems for aggregates and cement, water dosing by flowmeter governed by automatic control software that guarantees precision and traceability in the processes. With production capacity of up to 130.7~156.9 Yd³/hour.

Domat's DMPE series has cutting-edge technology in each of its components, which are designed to be transported in containers that meet international standards.



Images for illustrative purposes only.

AUTOMATIC CONTROL SYSTEM FOR CONCRETE PRODUCTION DOSIMAT D-200

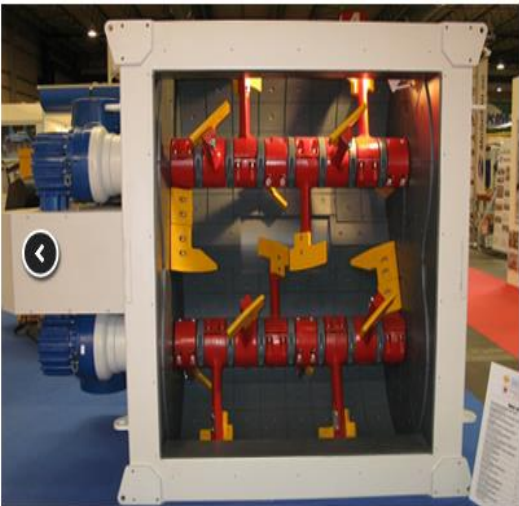


D-200 developed with an industrial computer on a Windows environment and a Siemens S7-1200 automation interface, responsible for carrying out the dosing and process control processes, meeting the necessary quality standards and effectively carried out:

- Control of entry and inventory of raw materials.
- Control of consumption of materials used for production.
- Automatic dosage control.
- Theoretical/Actual dosage report batch by batch.
- Production reports by pothole, truck, construction site or client.

The dosing program is configurable according to the plant topology and additional dosing modules can be implemented to manage cementitious additives or aggregates.

Double horizontal Shaft Mixer



DOMAT double shaft mixers are designed to provide homogeneous and efficient concrete mixing, thanks to their innovative horizontal paddle system that generates a helical movement. This design optimizes mixing time and enhances performance even under heavy dynamic loads, accelerating the production process and increasing its effectiveness. Equipped with a robust power reduction and transmission system, DOMAT mixers ensure remarkable durability and efficiency, even in the most demanding working conditions. They are particularly suitable for concrete production, and their ability to operate under heavy loads guarantees continuous production with high productivity levels.

SICOMA MAO 4500/3000 Horizontal Double Shaft Mixer: The SICOMA MAO 4500/3000 mixer is designed with a forced mixing system, capable of producing 4 yd³ of vibrated concrete per cycle. Its omega-shaped drum, coated with cast iron plates, ensures high durability and efficient mixing, contributing to a fast and high-quality production process.

Technical and specifications sheet

FO-CMC-008-V1-USA

Page: 4 of 5

Nominal Data:	DMPE 120-4A
Production (Yd3/h):	(130.7~156.9)
Mixer capacity per batch (Yd3):	(5.88 / 3.92)
Mixer Type:	Double horizontal Shaft Mixer
Mixing arms:	NA
Number of arms:	NA
Liners for Floor, Walls, and Mixing Paddles	Replaceable
Type of motor:	Three-phase electric
Engine power (Hp):	60
Number of hoppers for aggregates:	4
Aggregate hopper capacity (Yd3):	19,6
Aggregate weighing scale capacity(Y3):	10,4
Number of weighing bands:	1
Weighing band width (Inch):	36
Number of conveyor belts:	1
Width of conveyor belt (Inch):	36
Cement scale capacity (Yd3):	4,18
Cement conveyor screw diameter (Inch):	10
Long cement conveyor screw (Inch):	354
Cement conveyor screw motor power (Hp):	15
Water pipe diameter (Inch):	4
Water pump motor power (Hp):	10
Gate drive:	Pneumatic system
Gate drive:	Pneumatic system
CFM Compressor:	38,8
Aggregate and cement dosing method:	Gravimetric
Water dosing method:	Volumetric
Control and dosing software:	D-200
Operation cabin:	Yes
Concrete discharge height (Inch):	154,1

MANUAL CONTROL SYSTEM	Control console with buttons to perform all equipment operations manually/locally from the operations cabin. aggregate scale and cement hopper indicators1 Flow indicator.
DISTRIBUTION AND ELECTRICAL MANEUVER SYSTEM	IP 55 panel Power and control panel with all the protection and maneuvering elements of SIEMENS brand motors, wiring with metal shell and connectors for connecting motors.
ELECTRICAL POWER REQUIREMENT	The plant requires a three-phase power supply at 220/440 volts with a frequency of 60HZ and an installed capacity of 100 KVA average (different voltages or frequencies upon request).
TRANSPORTATION AND STABILIZATION ON SITE	Domat's DMPE series is designed to be transported in containers that meet international standards or on a three-axle trailer and equipped with structural support for fixing to the floor.
PAINT AND FINISHES	Abrasion cleaning treatment Anticorrosive protection Final finish with highly flexible polyurethane and high resistance to chemical attacks and physical wear. Polyurethane DOMAT corporate colors: Yellow Chassis, Yellow Hoppers and gray accessories.
OVERALL DIMENSIONS	Height: 173,2Inch Width:162,0 Inch Length:765,7 Inch Approximate weight: 38801.35 Lb.
CIVIL WORK	DOMAT USA will supply the assembly plans associated with the equipment detailing its specific load measurements for the preparation of the foundation, which will be the responsibility of the client according to the ground conditions.
NOTE	The production of the equipment is calculated for normal concrete of 3,000 PSI, with 705.479 lb of cement, 50% sand, 50% gravel and settlements of 5" or more, the performance of the equipment will depend on the logistics of each project. guarantees 100% production in adequate working conditions.

Specifications subject to change without prior notice. Photos for illustrative purposes only.