



**DOMAT DM SPECIAL** concrete batching and mixing plant.

## DM SPECIAL

Compact equipment for easy installation in the field, with large production capacity for high-quality concrete in difficult-to-access environments.

Domat's DM SPECIAL dosing and mixing plant has a production capacity of between 32,6~39,2 Yd<sup>3</sup>/h and is equipped with a turbo-type vertical axis mixer developed by DOMAT that ensures efficient homogenization of materials and robust software. automatic control system that ensures the quality of concrete with a unified gravimetric dosing system for aggregates, cement, and water, guaranteeing the technical production of concrete.



Images for illustrative purposes only.

## AUTOMATIC CONTROL SYSTEM FOR CONCRETE PRODUCTION DOSIMAT D-200 L



## DOSIMAT D-200 L AUTOMATIC CONTROL SYSTEM

Specialized software installed on a robust industrial-type computer on a Windows environment, a Siemens S7-1200 programmable logic controller with a touch operation interface that integrates manual and automatic control functions, responsible for carrying out the dosing, control and traceability processes in materials dosing processes for production and mixing of concrete, meeting necessary industrial standards and effectively maintaining a total inventory of the consumption of materials used for each batch and a set of inventories capable of providing accurate information on the plant's production data. of concrete.

## DOMAT SERIES VERTICAL AXIS TURBO MIXER



DOMAT turbo vertical axis mixer with capacity of up to 1,30 Yd<sup>3</sup> per batch. High efficiency reduction system brand SUMITOMO (Japan) or OMCI (Italy) by vertical axis inferential coupling of the gearmotor with a power of 29,8 Kw. Access gates for washing and/or inspection. Arms made of rigid, high-resistance steel axles, cushioned to relieve overload, reinforced with anti-wear guards. Sheet floor and wall coverings, mixing paddles and gasket in the gate that are easy to replace.

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

**Technical and specifications sheet.**

FO-CMC-008-V1-USA

 Page: **4 of 5**

<b>Nominal Data:</b>	<b>DM SPECIAL</b>
<b>Production (Yd<sup>3</sup>/h):</b>	(32,6 ~ 39,2)
<b>Mixer capacity (Yd<sup>3</sup>):</b>	(1,30)
<b>Mixer motor power (Hp):</b>	40
<b>Number of hoppers for aggregates:</b>	2
<b>Aggregate hopper capacity (Yd<sup>3</sup>):</b>	3,66
<b>Number of conveyor belts:</b>	2
<b>Width of conveyor belts (Inch):</b>	18
<b>Conveyor belt motor power (Hp):</b>	5
<b>Cement scale capacity (Yd<sup>3</sup>):</b>	N/A
<b>Cement conveyor screw diameter (Inch):</b>	8
<b>Long cement conveyor screw (Inch):</b>	118
<b>Cement conveyor screw motor power (Hp):</b>	5
<b>Water scale capacity (gal US):</b>	N/A
<b>Water pipe diameter (Inch):</b>	2
<b>Water pump motor power (Hp):</b>	3
<b>Gate drive:</b>	Motorized mechanical system
<b>Aggregate and cement dosing method:</b>	Gravimetric
<b>Control and dosing software:</b>	D-200 L
<b>Operation cabin:</b>	No
<b>Concrete discharge height (Inch):</b>	38,5
<b>Optional:</b>	
	Accessory for reception and storage of cement up to 882 Lb.; Built in structural profile and 3/16" sheet, it has a top access and lid to receive cement in bags, a reverse angle that facilitates the breaking of the cement packaging and a T200 motor vibrator in the cone to facilitate its evacuation.

**Technical and specifications sheet.**

FO-CMC-008-V1-USA

 Page: **5 of 5**

<b>MANUAL CONTROL SYSTEM</b>	Interface with push buttons to perform all equipment operations manually/locally from the operation panel. Cement and water aggregate scale indicator.
<b>DISTRIBUTION AND ELECTRICAL MANEUVER SYSTEM</b>	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.
<b>ELECTRICAL POWER REQUIREMENT</b>	The plant requires a three-phase power supply at 220/440 volts with a frequency of 60HZ and an installed capacity of 40 KVA average (different voltages or frequencies upon request).
<b>PAINT AND FINISHES</b>	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.
<b>OVERALL DIMENSIONS</b>	Height: 110,2 Inch Width: 102,3 Inch Length: 243,7 Inch Approximate weight: 12345.89 Lb.
<b>CIVIL WORK</b>	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.
<b>NOTE</b>	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.