



DOMAT DMP 20 concrete batching and mixing plant.

DMP 20

The DOMAT DMP 20 dosing and mixing plant has independent gravimetric weighing systems for aggregates and cement, and water dosing by flowmeter governed by automatic control software that guarantees precision and traceability in the production processes; Equipped with a turbo-type vertical axis mixer developed by DOMAT that ensures efficient homogenization of materials, it has a production capacity of 19,6 ~26,1 Yd³/hour.



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.

DOMAT SERIES VERTICAL AXIS TURBO MIXER



DOMAT turbo vertical axis mixer with capacity of up to 0,65 Yd³ per batch. High efficiency reduction system brand SUMITOMO (Japan) or OMCI (Italy) by vertical axis inferential coupling of the gearmotor with a power of 14,9 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.

OPERATIONS CABIN



Made of galvanized sheet panel with polyurethane filling, aluminum windows and laminated glass, metal sheet floor that improve thermal and acoustic conditions, providing an optimal operating environment.

Nominal Data:	DMP 20
Production (Yd3/h):	(19,6~26,1)
Mixer capacity (Yd3):	(0,65)
Mixer motor power (Hp):	20
Number of hoppers for aggregates:	2
Aggregate hopper capacity (Yd3):	2,09
Number of conveyor belts:	2
Width of conveyor belts (Inch):	14
Conveyor belt motor power (Hp):	3
Cement scale capacity (Yd3):	0,43
Cement conveyor screw diameter (Inch):	8
Long cement conveyor screw (Inch):	177
Cement conveyor screw motor power (Hp):	7,5
Water scale capacity (gal (US)):	N/A
Water pipe diameter (Inch):	1,5
Water pump motor power (Hp):	2
Gate drive:	Pneumatic system
CFM Compressor:	16,02
Compressor motor power (Hp):	5
Aggregate and cement dosing method:	Gravimetric
Water dosing method:	Volumetric
Control and dosing software:	D-200
Operation cabin:	Yes
Concrete discharge height (Inch):	37,40

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

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 37 KVA average (different voltages or frequencies upon request).
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: 129,5 Inch Width: 102,5 Inch Length: 241,7 Inch Approximate weight: 15432.36 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.