HAITIAN MARS III SERIES SPECIFICATIONS

Model: MA7000III-3200

Servo-Hydraulic Injection Molding Machine Technical Overview

This technical specification sheet provides critical parameters for the Haitian Mars III MA7000-3200 injection molding machine, engineered by Absolute Haitian Corporation for energy efficiency and high molding stability.

Clamping Unit Specifications

Parameter	Metric Unit (mm/kN)	Imperial Unit (in/US tons)
Clamping Force	7,000 kN	787 US tons
Clamp Stroke	970 mm	38.19 in
Space Between Tie Bars (H x V)	960 x 940 mm	37.8 x 37.01 in
Max. Mold Height	940 mm	37.01 in
Min. Mold Height	400 mm	15.75 in
Ejector Stroke	260 mm	10.24 in
Ejector Force	186 kN	20.91 US tons
Mold Platen Dimensions (H x V)	1405 x 1386 mm	55.31 x 54.57 in
Total Clamp Open Daylight	1910 mm	75.2 in

Key Features & Technology

• **Energy Efficiency:** Integrates advanced servo motor concepts for 20-80% energy savings compared to traditional hydraulics.
• **High Repeatability:** Closed-loop servo motor control optimizes precision and stability.
• **Fast Response:** Rapid 0.05-second motor response time boosts overall cycle efficiency.
• **Optimal Platen Design:** Even clamping force distribution based on Ansys structural analysis.