AZA LAB / SOIL & CONCRETE TESTING EQUIPMENT

CBR LOAD FRAME MOTORIZED – 30 SPEEDS

AZA0909 | TECHNICAL DATASHEET



PRODUCT OVERVIEW

The AZA0909 Motorized CBR Load Frame is a two-pillar loading system suitable for California Bearing Ratio (CBR) and triaxial testing applications. Its motor-driven lead screw raises the bottom loading platen at one of 30 fixed displacement rates, from 0.00048 to 6.00 mm/min.

The enclosed gear and motor assembly is housed in a sturdy cabinet with an angle-iron frame. The height-adjustable upper load bracket accommodates standard proving rings or load cells. A detachable loading assembly facilitates transportation, while direction-indicating jewel lamps support operation.

TECHNICAL SPECIFICATIONS

Parameter	Specification
Model	AZA0909
Equipment	CBR Load Frame, Motorized – 30 Speeds
Application	CBR and triaxial tests
Frame configuration	Two-pillar type, detachable loading frame
Loading direction	Bottom platen advances upward
Drive mechanism	Motor-driven lead screw and enclosed gear system
Speed selection	30 fixed speeds
Minimum displacement rate	0.00048 mm/min
Maximum displacement rate	6.00 mm/min
Electrical supply	220 V AC, 50 Hz, single phase
Upper load bracket	Height-adjustable; locks on two upright pillars
Force measuring interface	Screw adapter for standard proving rings and load cells
Movement indication	Jewel lamps indicate direction of motion
Cabinet / support	Motor and gears housed in cabinet; sturdy angle-iron frame
Transport provision	Loading assembly detachable from main unit
Other available versions	Motorized single-speed and three-speed load frames

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