

Detroit Diesel Injector Calibrator Model DD5

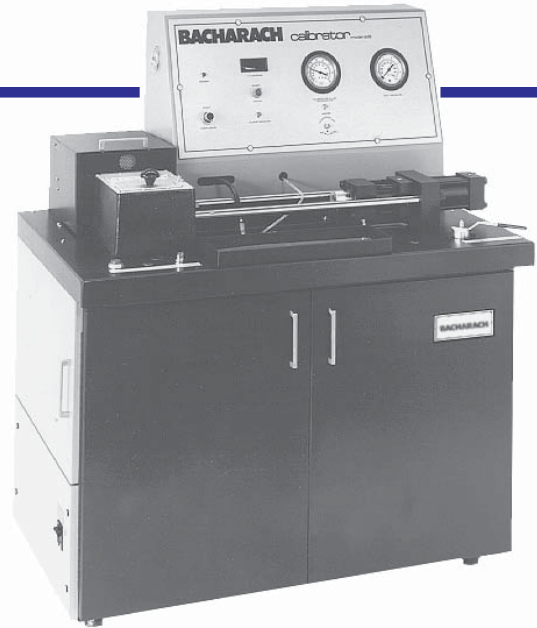


Description

The Bacharach Calibrator DD5 provides the diesel fuel injection specialist with a fast, safe and extremely accurate means of calibrating Detroit Diesel mechanical injectors (MUI) in accordance with the manufacturer's instructions.

Technical Data and Features

- 5 HP Electric Drive Motor
 - Digital fuel delivery measurement
 - Floor Standing Unit; full welded frame construction
 - Operating speed 2000 rpm
 - Cast Iron Cambox with tapered roller bearings and quick change cam capability
 - Injector Clamping: hydraulic, with mechanical lock
 - Calibration fluid reservoir capacity: 8 U.S. Gallons (30 liters)
 - Filtration:
 - Primary filter (spin-on type): 10 micron
 - Final stage filter (spin-on type): 3 micron
 - Flowmeter transducer: Screen
 - Calibration fluid temperature control:
 - Solid state control
 - 100 ±1 °F (factory setting)
 - Cooling by cold tap water
 - Heating by two 500 watt immersed electric heaters
 - Instrumentation & Controls:
 - Injector Supply (Rail) Pressure Gauge, 4" dial, 0–100 psi
 - Calibration Fluid Temperature Gauge, dual scale: 40–140 °F (5–60 °C)
 - Supply Pressure Regulator
 - Clamping Pressure Regulator
 - Main Drive Start/Stop Switch
 - Measurement System Start Switch
 - Measurement System:
 - Positive Displacement Flowmeter (U.S. patent No. 4141243)
 - Measurement Units: mm³/str.
 - Digital display resolution: 0.1 mm³/str.
 - Measurement period: 100 strokes
 - Stroke counter: electronic/optical
 - Accuracy: ±0.75% of reading, or 1 mm³/str., whichever is greater
- Indicator Lights:
 - Power (red)
 - Heat/Cool (amber)
 - Clamping (amber)
 - Accessibility: Two front and one upper-left hand side hinged doors. All other panels have quick turn fasteners for easy removal.
 - Dimensions:
 - 50" W x 30" D x 56" H (1.27 x 0.76 x 1.42 m)
 - Weight (dry): 1150 lbs (522 kg)
 - Utilities Required:
 - Power Supply: 230 VAC, 3 Phase, 60 Hz, 30 Amps (standard). Other voltages/frequencies available.
 - Air Pressure: 80–120 psi (2 CFM)
 - Water: Cold tap, approx. 1.2 GPM (4.5 liter/min)
 - Accessories:
 - All the required accessories are included for mounting and testing Detroit Diesel 53, 71, 92, 149 and 8.2L Mechanical Unit Injectors.
 - Provision for hanging all accessories on pegboard inside front door.



Ordering Information

- 77-7072** DD5, 230 VAC, 3 Phase, 60 Hz
- 77-7073** DD5, 460 VAC, 3 Phase, 60 Hz
- 77-7074** DD5, 208 VAC, 3 Phase, 60 Hz
- 77-7075** DD5, 220 VAC, 3 Phase, 50 Hz
- 77-7076** DD5, 380 VAC, 3 Phase, 50 Hz



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Leaflet 1109 7/02
Printed in U.S.A.



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