



## EDUCATIONAL DIESEL ENGINE MODEL WITH CR EDC – 16C FUEL SUPPLY SYSTEM – LIVE ENGINE



DL DM41

### LEARNING EXPERIENCE

This training engine is specially designed to demonstrate Common Rail diesel injection system and operational structure. Self – contained, fully operational diesel engine model is installed in a mobile frame.

Educational training engine is based on original (refurbished) components of Renault vehicle with functional engine control system Bosch EDC 16C. This training engine is a great educational tool that allows students to learn the structure of the engine and its components, power supply system, cooling system, engine control system.

### GENERAL CHARACTERISTICS

- Dim. mm approx (HxLxW) : 1550x1000x1200
- Weight approx. kg 350
- Power supply: AC 220V±10% 50/60 Hz

### MAIN CHARACTERISTICS

**The main characteristics and functions of the trainer are:**

- Engine with external components is clearly visible after removing safety panels. Easy access to the engine and its components for service and maintenance.
- Integrated engine emergency stop button.
- Educational functional engine model with CR fuel supply system, instrument cluster, cooling system, power supply system and the exhaust system.
- Supplied with safety removable panels to protect against hot and rotating parts.
- Electric wiring diagram with built in banana plug jumpers for measurements and simulation of system fault codes.
- Possibility to simulate more than 20 faults by disconnecting Banana plug jumpers.
- Instrument cluster, measurement and fault simulation panel integrated in a closed aluminium frame construction



## ACCESSORIES

- Oscilloscope (Not included)
- Multimeter (Not included)
- OBD (Not included)

## OTHER CHARACTERISTICS

**The trainer has the following diagnostic and measurement features:**

- Control unit diagnosis
- Control unit encoding/configuration
- Reading/erasing fault codes
- Diagnosis through OBD 16 – pin diagnostic connector
- Electronic control unit (ECU) identification
- Displaying the operating system parameters (live data)
- Activating the actuators (depending on the control unit)
- Throttle adaptation
- Possibility to measure the parameters of the system connecting to the banana connector (Oscilloscope and multimeter are required)
- Possibility to measure electrical signal parameters of each system component (such as sensor or actuator) (Oscilloscope and multimeter are required)