

## Product Information Sheet

### 6-Cylinder HGV Diesel Engine (Common Rail) Trainer



*The image shown is for illustrative purposes only – actual product may vary due to product enhancement.*

This trainer provides the instructor with a complete working 6-cylinder heavy vehicle diesel engine with a Bosch EDC engine management system and high-pressure common rail fuel injection system.

The trainer is mounted on a moveable, heavy-duty steel frame. The system comprises all the elements that control the air-fuel ratio, fuel injection, and exhaust emissions, together with the Bosch ECU and all the sensors and actuators associated with the control system.

The system has manually-inserted faults that allow the instructor to demonstrate troubleshooting techniques on a fully operational engine. This resource is supplied with a manual containing practical tasks and activities.

The trainer can also be used in conjunction with our cloud-based software, which offers online interactive presentations, investigations, and assessments that support the practical activities carried out using this resource.

#### **Trainer enables demonstrations of the following:**

- The position and mounting of all engine components
- Engine management system fundamentals
- The electronic control unit (ECU)
- Sensor components
- Actuator components
- Pressurized fuel systems
- Fuel injection components
- Fault diagnosis

#### **Trainer System Includes:**

- Fully operational HGV engine
- Accelerator pedal
- Mesh guard for rotating parts
- Ten fault insertion switches
- Pin out facility for easy testing of sensors

#### **Items Included:**

- Trainer and practical activity manual

#### **Other Items Required:**

- Fuel
- Automotive workshop tools
- Diagnostic tools
- Batteries (2 x 12V 50Ah)

#### **General Information:**

Trainer Dimensions (W x D x H):  
2150 x 1800 x 1650 mm / 85 x 71 x 65 inches

Packed Volume: Approx. 4.98m<sup>3</sup> / 176ft<sup>3</sup>

Packed Weight: Approx. 1165kg / 2570lb

Packed Dimensions (W x D x H):  
2320 x 1410 x 1540 mm / 92 x 56 x 61 inches

**Order Code: 776-01/6C**

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