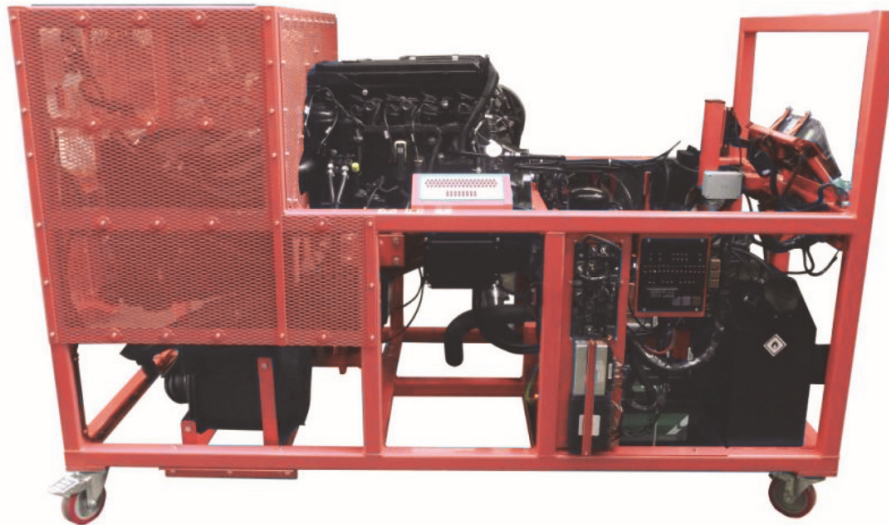


## Product Information Sheet

### 6-Cylinder HGV Diesel Engine Trainer with Emissions Reduction System



*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 complete with fuel, cooling, turbo and exhaust systems.

Based on a common rail turbo charged diesel engine, complete with common rail injection, ECM Break out box, Diesel particulate filter (DPF), Diesel Oxidation Catalyst (DOC), NOx reduction system (NRS), SCR system with AdBlue tank, sensor, and AdBlue injector.

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 engine 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):  
2745 x 1200 x 1500 mm / 109 x 48 x 60 inches

Packed Volume: Approx. 5.04m<sup>3</sup> / 178ft<sup>3</sup>

Packed Weight: Approx. 1185kg / 2613lb

**Order Code: 776-04/6C**

P9404-D

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