MARINE DIESEL ENGINE WITH P3000 IN-LINE PUMP

A9 Product number MVMIL03

Educational Marine Diesel Engine Trainer based on the Cummins 6CTA 8.3 engine. Fully functional engine with all necessary integrated components and diagnostic tools, making it an invaluable asset for marine engineering education. This trainer is designed for detail study of engine mechanics, fuel systems, intake and exhaust, ignition, alternator and other systems. Ability for diagnostic procedures, offering a practical approach to learning about marine diesel technology.

Features

- Fully functional Cummins 6CTA 8.3, 6-cylinder in-line diesel engine.
- Bosch P3000 in-line pump, offering insights into diesel fuel injection and management.
- Allows for real-time engine diagnostics and fault code retrieval.
- Provides accessibility for measuring system components and circuits, enabling detailed component analysis and fault simulation.
- Mobile and compact frame with removable safety panels.
- Plug and play trainer, requiring no additional preparation to start using.

Value for Students

- Fully operational Cummins 6CTA 8.3 engine, featuring a 6-cylinder in-line configuration. Learn about engine operation, including combustion processes, turbocharging, and fuel injection mechanisms.
- Integrated diagnostic socket for real-time engine diagnostics. Fault code simulations and measure of system components and circuits, insight into troubleshooting and repair techniques.
- Study critical engine components like turbocharger and Bosch P3000 in-line fuel pump. Learn working principles of each component and understand their roles within the engine system.
- Engage in fault code simulations to practice diagnosing engine problems and analyzing diagnostic results, increase your troubleshooting skills and understanding of engine management systems.

Value for Instructors

- OEM Cummins 6CTA 8.3 engine, ensuring students gain experience from real-world engine technology and diagnostic practices.
- The engine's open contacts and accessible diagnostic socket allow for practice with measuring components, fault code interpretation, and system diagnostics.
- Equipped with a turbocharger and Bosch P3000 fuel system for overview of marine diesel engine operation, fuel management, and performance analysis.
- Fault diagnosis and repair through realistic fault code simulations, helping students build practical skills in engine troubleshooting.
- Removable panels that protect against hot and rotating parts, while allowing easy access to the engine for maintenance and service needs.
- The mobile frame designed for easy movement and integration into various classrooms. Allows concurrent use by multiple students, promoting collaborative learning and practical training opportunities.
- Closed steel frame with internal wiring for clean and safe learning environment while maintaining the model’s durability.
- Requires small adjustments to reset to default parameters, making it easy to prepare and start each lesson.

Specifications

- Product number: MVMIL03
- Frame: Steel
- Internal wiring