

Product Name :
Biodiesel Running Engine

Product Code :
TechnicalLab0454

Description :

Biodiesel Running Engine

This product is a running bio-diesel engine for use in an educational context. The engine is mounted in a frame with wheels and allows you to:

- Easily demonstrate the use of bio-fuels in a working machine.
- Operate continuously in ambient temperatures up to 52 C (122 F).
- Conveniently use and display this engine because of its compact and inclusive design.

A 67-page Technical Manual is supplied with the engine.

DESIGN FEATURES AND EQUIPMENT

- Continuous operation in ambient temperatures up to 52 C (122F)
- Self-vent fuel system with individual fuel-injection pumps
- Fuel filter/agglomerator

- Fuel-lift pump
- Combustion-chamber glow plugs
- Heater plugs
- Gear-driven positive displacement-type lubricating-oil pump
- Spin-on lubricating-oil filter
- Low oil-pressure switch
- Exhaust valve seat inserts
- Inlet and exhaust manifolds
- Heavy-duty air cleaner
- Radiator with choice of pusher or puller fan
- Flywheel with ring gear
- Flywheel housing with SAE5 flange
- 250-hour service intervals
- Operators handbook
- Mounted on trestle with rubber pad and with castor wheels
- Instrument panel:
 - Ignition key
 - Engine warning lights
 - Coolant level
 - Battery charge
 - Low engine oil pressure
 - High engine oil pressure
- Exhaust pipe
- New starter battery – 12V
- Fuel tank
- Custom tool kit for adjustments and repair
- Option for 2 tanks (one for bio-diesel, one for diesel)

- Each tank with different color codes

ENGINE CHARACTERISTICS

- New agricultural engine
- Fueled by pure bio-diesel (B100)
- 4 cylinders in line, 1860cc
- Fixed speed motor, 1550/1800 rpm
- Indirect injection
- Water-cooled
- Naturally aspirated
- CE Certified Quality & Safety Standard

TECHNICAL FEATURES

- Power (kW) 6.9 ~ 18.7
- Power (BHP) 9.25 ~ 25.08

AGRICULTURE APPLICATIONS

1. Generation Set: provides source for light, welding
2. Pump Set: pumping oil running at fixed speed
3. Hydraulic Pump: moving water and extracting water from wells
4. Compressor Unit: for air pressure

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