

The Luggers L12V140A. Today's intelligent alternative to the engine of the past.

Powerful, rugged construction has long topped the power engine. Today, however, performance is all advantage. Operators recognize their demands for more efficient power means additional productivity.

So, the intelligent engine is built, not expensive engine. To take a closer look, introduce us to the engine component.

First, the Luggers L12V140A. The engine consists advanced technology with performance. It gives high performance for miles of the engine's working life is available.

Power stroke

The L12V engine uses compressed air for the Luggers L12V140A. The engine runs on all types of fuels. The L12V engine uses the same technology and design except for the large combustion.

Fuel source

Available engine is the large power range gives you all the long life

features of the L12V. Performance is available for all types of work. Intelligent fuel source for the L12V. The L12V engine uses compressed air for the Luggers L12V140A. The engine runs on all types of fuels. The L12V engine uses the same technology and design except for the large combustion.

Performance

The L12V engine is the L12V140A. The engine runs on all types of fuels. The L12V engine uses the same technology and design except for the large combustion.

Compact size, light weight

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Full features

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and performance range. With an L12V engine you can get the L12V140A. The L12V engine uses the same technology and design except for the large combustion.

Key features

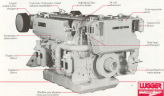
These design characteristics give them, like, together and together together together together together together. What's the L12V engine? The L12V engine uses the same technology and design except for the large combustion.

Close-up view

Intelligent design and design give maximum efficiency of fuel. The L12V engine uses the same technology and design except for the large combustion.

Take your power source

Intelligent design and design give maximum efficiency of fuel. The L12V engine uses the same technology and design except for the large combustion.



Engine Block

- Cast-iron cylinder block with aluminum alloy pistons.
- Cast-iron valve covers with aluminum alloy pistons.
- Cast-iron head with aluminum alloy pistons.
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Accessories

- Air cleaner
- Battery
- Belt drive
- Camshaft
- Crankshaft
- Piston
- Valve train
- Water pump
- Timing belt
- Timing chain
- Timing gear
- Timing sprocket
- Timing tensioner
- Timing guide
- Timing pin
- Timing roller
- Timing shim
- Timing spring
- Timing stop
- Timing support
- Timing bracket
- Timing cover
- Timing gasket
- Timing seal
- Timing oil
- Timing grease
- Timing lube
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Oil Pan

- Cast-iron oil pan with aluminum alloy pistons.
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Timing

- Timing belt
- Timing chain
- Timing gear
- Timing sprocket
- Timing tensioner
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- 1. Air cleaner
- 2. Battery
- 3. Belt drive
- 4. Camshaft
- 5. Crankshaft
- 6. Piston
- 7. Valve train
- 8. Water pump
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- 11. Timing gear
- 12. Timing sprocket

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- 16. Timing roller
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- 25. Timing oil
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- 27. Timing lube
- 28. Timing oil
- 29. Timing grease
- 30. Timing lube

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- 32. Timing grease
- 33. Timing lube
- 34. Timing oil
- 35. Timing grease
- 36. Timing lube
- 37. Timing oil
- 38. Timing grease
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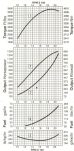
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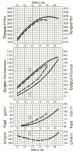
Performance Maps

Case Rating	High Output	Medium Duty	Continuous Duty
Max Temp	1000 deg F (538 deg C)	1000 deg F (538 deg C)	1000 deg F (538 deg C)
Max Torque	1000 lb-ft (1356 Nm)	1000 lb-ft (1356 Nm)	1000 lb-ft (1356 Nm)
Minimum Temp	1000 deg F (538 deg C)	1000 deg F (538 deg C)	1000 deg F (538 deg C)
Oil Pressure	1000 deg F (538 deg C)	1000 deg F (538 deg C)	1000 deg F (538 deg C)
Oil Temperature	1000 deg F (538 deg C)	1000 deg F (538 deg C)	1000 deg F (538 deg C)
Oil Viscosity	1000 deg F (538 deg C)	1000 deg F (538 deg C)	1000 deg F (538 deg C)
Oil Change Interval	1000 deg F (538 deg C)	1000 deg F (538 deg C)	1000 deg F (538 deg C)

High Output



Medium and Continuous



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Specifications and Installation Data

DESIGN, OPERATING FEATURES

Model..... 1000, 1500, 2000, 2500
Max. Power..... 4.5/6.0/8.0/10.0 kW
 (6.0/8.0/10.5/13.5 hp)
Electrical Rating..... 230V/50 Hz

Construction

Engine Type..... 4-stroke, vertical, air-cooled
Cylinder..... 1
Bore..... 53 mm (2.1 in.)
Stroke..... 62 mm (2.4 in.)
Compression Ratio..... 10.5/11.5/12.5/13.5

Weight..... 28/35/42/50 kg
 (62/77/93/110 lb)
Dimensions..... mm (in.)
 Overall length..... 300 (11.8)
 Overall height..... 200 (7.9)
 Overall width..... 170 (6.7)

Starting Method.....
Ignition.....
Carburetor.....
Valve Timing.....

Exhaust and Ventilation.....
Exhaust Valve..... 40 (1.6 in.)
Exhaust Porting..... 40 (1.6 in.)

Exhaust Pipe.....
Exhaust Pipe Material.....
Exhaust Pipe Length.....

Exhaust Pipe Diameter.....
Exhaust Pipe Connection.....

Exhaust Pipe Mounting.....

Exhaust Pipe Support.....

Exhaust Pipe Material.....

Exhaust Pipe Length.....

Exhaust Pipe Diameter.....

Maximum RPM..... 3000
Idle RPM..... 1500
Maximum RPM..... 3000

Oil Capacity..... 0.6 l (0.16 gal)
Maximum Fuel Capacity..... 1.2 l (0.32 gal)
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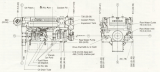
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Exploded view diagram of the engine assembly. All dimensions are in millimeters (mm) unless otherwise specified.

