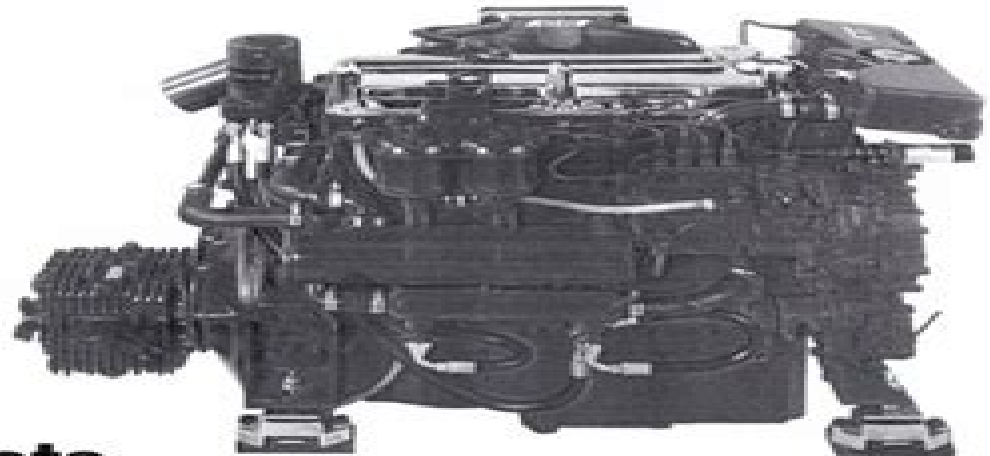


# Factsheet:

## Lehman Super 90

When we say this rugged four cylinder marine diesel engine delivers a powerful 90 bhp we mean what we say – 90 bhp in everyday use at 2600 revs! And you can enjoy all the other benefits of Lehman Power; more power for less fuel, a quieter engine, longer life and fewer, shorter services.



## The Technical Facts

### Full Specification

#### TYPE

4 cylinders in line, 4 cycle overhead valve naturally aspirated diesel engine.

#### BORE/STROKE

4.22 ins x 4.524 ins: 107 x 115 mm.

#### DISPLACEMENT

254 cu ins: 4.150 liters.

#### GROSS POWER

90 bhp at 2600 rpm.

#### COMPRESSION RATIO

16.1 : 1.

#### FUEL

ASTM D975 Class 2 D or BS2869 Class A1.

#### OIL CAPACITY

11.2 US quarts: 10.6 liters (initial fill).

#### OIL FILTER

Full flow, disposable cartridge, spin on.

#### FUEL SYSTEM

In line fuel injection pump, engine oil lubricated, with mechanical governor and flexible braided fuel supply line.

#### ELECTRICAL SYSTEM

12 volt negative ground with stop solenoid, 24 volt negative ground and insulated return 12 or 24 volt, are also available at extra cost.

#### STARTING MOTOR

12 volt electrical solenoid, 24 volt also available at extra cost.

#### ALTERNATOR

70 amp with voltage regulator.

#### RAW WATER COOLING SYSTEM

Tubular copper or cupro-nickel heat exchanger with zinc anti-corrosion pencil: optional 80% or 100% keel cooling.

#### RAW WATER PUMP

Gear driven high flow rubber impeller type.

#### FRESH WATER COOLING SYSTEM

Pressurized fresh water circuit for engine and exhaust manifold.

#### FRESH WATER CAPACITY

15.84 US quarts: 15 liters.

#### ENGINE MOUNTINGS

In line or stepped or transmission mounted, adjustable anti-vibration mounts – see price list.

#### MAXIMUM INSTALLATION ANGLE

15° rear down, 4° nose down – see drawing opposite.

#### DRY WEIGHT LESS TRANSMISSION

1080 lbs: 490 kg.

#### EXHAUST OUTLET

30" water cooled exhaust elbow or straight dry exhaust flange.

#### TRANSMISSIONS

Borg Warner, Newage PRM – others available on request.

#### FINISH

Lehman Red with chrome rocker box, air filter and filler caps.

#### APPROVAL STANDARDS

Lloyds, RINA, DNV, ABS with others available. (Japan small craft inspectorate pending).

# Ford Lehman Sp90 Manual

**G Orfield**



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