



# LISTER PETTER

## ALPHA

20  30  40  55T



2, 3 and 4 Cylinder  
Water Cooled  
Marine Diesel Engines  
(Direct or Indirect Injection)

From  
**Lister Petter**  
Designers and Builders of  
**British Diesel Engines.**

### Standard Features

- Indirect (EC Stage 3A & USA EPA Tier 2 compliant) or Direct injection combustion .
- Easy starting, low fuel consumption and long oil change periods.
- Compact turbocharger with internal wastegate and ultra high compressor efficiency (55 Turbo).
- Heat exchanger cooling with engine driven raw and fresh water pumps for long engine life.
- PRM Gearbox to suit engine power/use.
- 12 Volt starter motor and 70 Amp alternator.
- Instrument panel with tachometer/hour meter, key-switch and visual and audible warnings.
- Vibration isolation mounts.
- Wide bearers for Workboat application. Narrow bearers for Sailboat application.
- Fuel filter/watertrap, self bleed fuel system, lift pump, individual fuel injection pump for each cylinder.
- High level oil filler and dipstick, sump drain pump.
- Oil cooler (55 Turbo only).
- Engine wiring.
- Fittings for Morse type control cables.
- Engine mounted air cleaner.
- Flexible coupling disc.
- Finished in "Lister Blue" RAL 5001.
- Operators handbook.

### Optional Accessories

A range of options to enable your Lister-Petter propulsion engine to be built to your exact needs are available including:-

- Alternative gearboxes.
- Instrument panels.
- Controls.
- Fuel and exhaust systems.
- Protection systems.
- Twin alternators (Wide bearers only)
- Deluxe damper & coupling version (Centaflex)
- Alternative width engine bearers.

### Warranty

2 year warranty (Pleasure use)  
Core engine extendable to **5 years**  
(subject to Lister-Petter conditions)

Distributed by:

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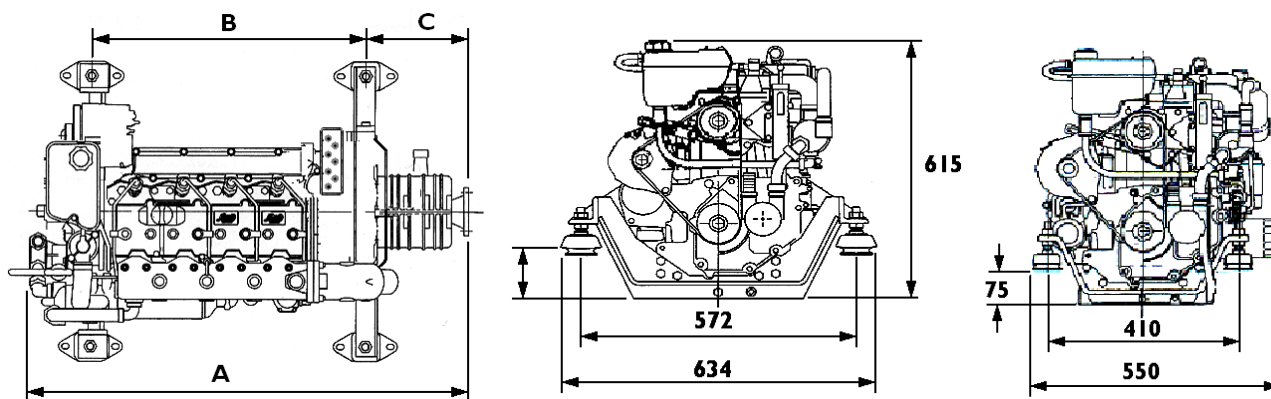
Technical Data			Alpha			
			20	30	40	55T
Cylinders			2	3	4	4
Bore x Stroke	mm		86x80	86x80	86x80	86x80
Cubic Capacity	cm <sup>3</sup>		930	1395	1860	1860
Maximum power at flywheel at 3000rpm	bhp		20	30	40	55
Maximum torque at flywheel	Nm		51	76	101	155
	rpm		2000	2000	2000	2000
Off load idle speed	rpm		900	900	900	900
Fuel consumption (approx)	1400rpm	litre/hr	0.7	1.0	1.3	⊛
	2200rpm	litre/hr	1.9	2.8	3.8	5.9
Oil sump capacity	litre		3.3	4.5	5.6	6.5*
Net weight (dry)	kg		150	180	210	230
Maximum installation angle (gearbox down)			20°	20°	20°	20°
Propeller rotation (Forward)			Clockwise viewed from the stern			

\*including filter oil cooler

PRM Gearbox (Std spec.) (Mechanical Or Hydraulic)	Pleasure Use	80M	120M	150H	150H
	Commercial Use		120M	150H	260H

## Approximate Dimensions

The dimensions given are for guidance only and must not be used for installation purposes. Please request relevant drawing if required.



"A" Engine Length ("C" dependant upon gearbox choice)	mm	767	867	967	1035
Engine O/A Width	mm	490 to 634 dependant upon spec.			
Engine Height	mm	607			
Distance between bearer centres (width)	mm	410 (narrow) or 572 (wide)			
"B" Distance between bearer centres (length)	mm	377	538	577	577
Output drop from underside of bearer	mm	62	74	74	89

Marinisation by Marine Engine Services Ltd in cooperation with Cotswold Diesel Services.

The information contained in this literature is correct at the time of publication.

Marine Engine Services Ltd. reserves the right to change specifications without prior notice.