

Alpha

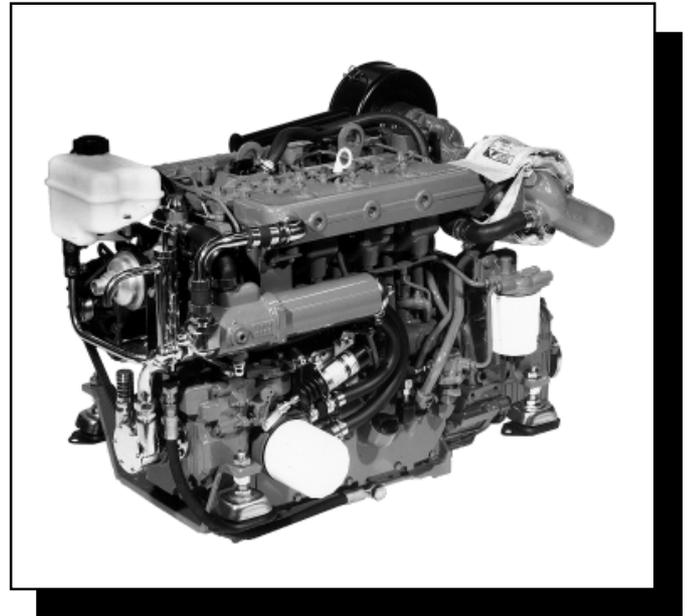
20 • 30 • 40 • 45 • 55 Turbo



WATER-COOLED MARINE PROPULSION DIESEL ENGINES FOR PLEASURE BOATS

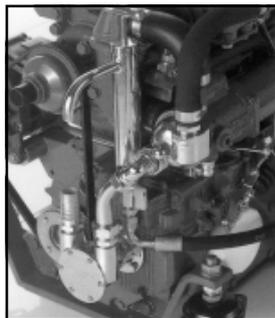
A series of two, three, four and turbocharged four cylinder diesel engines of cast iron construction with fresh water heat exchange cooling.

Designed and built by Lister-Petter to their traditional standards for long life, economy and reliability.



Standard Features

- Hurth reversing gearbox with 2:1 reduction (nominal).
- 12 volt starter motor (insulated earth return), 55 amp alternator.
- Heat exchanger, water cooled exhaust manifold, raw and fresh water pumps, calorifier connections.
- Fuel filter with water trap, self bleed fuel system, fuel lift pump, individual fuel injection pump for each cylinder.
- Vibration isolating engine mounts.
- High level oil filler and dipstick, sump drain pump.
- Instrument panel with hour recorder, key switch and audible warnings.
- Raw water cooling system pump.
- Sump lubricating oil drain pump.
- Operators Handbook.
- 2 year warranty.



Optional Accessories

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

- Alternative gearboxes.
- Instrument panels.
- Controls.
- Fuel and exhaust systems.
- Engine mounts.
- Protection systems.

Please consult Lister-Petter or your local Lister-Petter Marine Engine Centre for full details.

Lister-Petter Marine Engine Centres

With an extensive network of distributors and dealers worldwide, Marine Engine Centres offer a comprehensive sales, installation, parts and service back-up for your Alpha marine engine.

Owner Training Courses

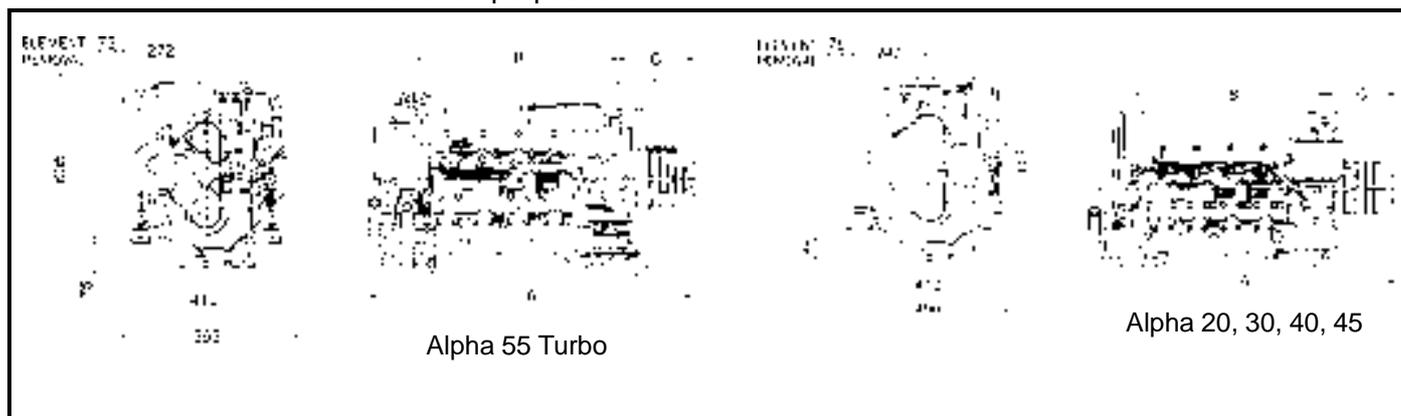
Owners of a Lister-Petter Marine engine who really want to get to know their engine can attend a short familiarisation course free of charge at headquarters in England. Courses for owners outside of the UK can be arranged locally through their Distributor..

Technical Data

	Alpha				
	20	30	40	45	55 Turbo
Cylinders	2	3	4	4	4
Bore x Stroke	mm 86 x 80	86 x 80	86 x 80	86 x 80	86 x 80
Cubic capacity	cm ³ 930	1395	1860	1860	1860
Max. power at flywheel at 3000r/min	bhp 20	30	40	45	55
Max. torque at flywheel	Nm 53	80	106	112	155
	r/min 1800	1800	1800	2800	2000
Off load idle speed	r/min 900	900	900	900	900
Fuel consumption (approx) at 2200r/min	litre/hr 1.9	2.8	3.8	4.4	5.9
Oil sump capacity	litre 3.3	4.5	5.6	5.6	5.6
Net weight (dry)	kg 150	180	210	210	230
Max. installation angle (gearbox down)	20°	20°	20°	20°	20°
Propeller rotation	Clockwise viewed from the stern in forward gear				

Approximate Dimensions

The dimensions (mm) given are for guidance only and must not be used for installation purposes.



	Alpha			
	20	30	40 and 45	Turbo 55
A	732	869	969	922
B	377	477	577	577
C	180	217	217	217
D	62	72	72	72

D is the distance of the gearbox output centre line above below the underside of the engine bearers.



The information contained in this literature is correct at the time of publication. Lister-Petter reserves the right to change specifications without prior notice.

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