

Ford PUMA 2.4 litre 4 cylinder marine diesel



Photograph shows turbo version

PUMA L - 60HP at 2800 RPM
PUMA N - 78HP at 3900 RPM

Ford parts support throughout Europe and 170 countries worldwide

Engine specifications may vary as improvements are introduced
 Specifications are subject to change without notice and are not for engineering purposes
 See the Lancing Marine Price Book for Complete Installation Kit
 Lancing Marine reserve the right to alter specifications without notice

Design Features

Engine

Well proven, normally aspirated. Suitable for shaft, sterndrive or jetpump installations. Genset and power pack versions also available

Fuel system

Direct injection for good starting, with pre-set minimum and maximum speed control. Electronic speed control available.

Low fuel consumption

Precise fuel management system includes an automatic timing advance and torque control unit, to control maximum fuel delivery throughout the speed range.

Reliability

Meets high reliability and durability demands. Aluminium cylinder head with optimised gas flow and 16 valves, chain driven by 2 camshafts.

Serviceability

Low maintenance requirements, 7 rib Poly-Vee belt for low slippage. Easy access to all serviceable components.

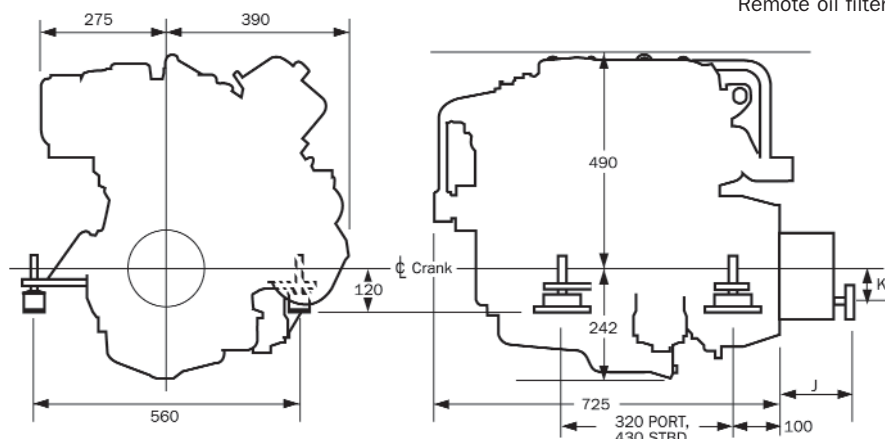
Variation to standard specification (see inside front cover) and extra optional items for this engine type

Additional standard items

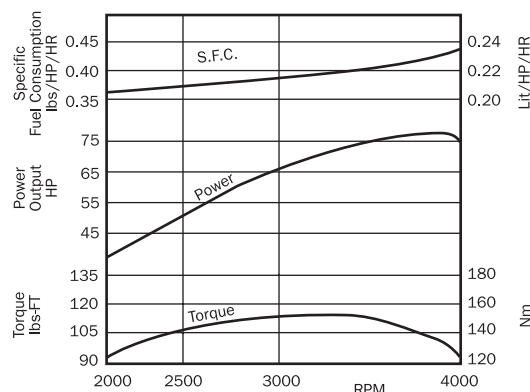
Electric run/stop control

Optional items

Keel cooling and dry exhaust in lieu of heat exchanger system
 High-rise exhaust
 "Dieselise" package for stern drive use
 Electronic speed control
 Remote oil filter



Dimensions J & K can be found in the gearbox specification pages 12 - 16 of the data book



Detailed specification

Engine model	PUMA L	PUMA N	Engine model	PUMA L	PUMA N
Power Maximum H.P.	60	78	Max Fuel Consumption, lit/hour	11	13
RPM Maximum	2800	3900	Fuel feed diameter, ins (mm)	5/16 (8)	
Torque Maximum Nm	150		Fuel return diameter, ins	5/16 (8)	
Cubic capacity, litres	2.4		Exhaust diameter, ins (mm)	2 (50)	
Bore, mm	89.9		Water intake diameter, mm	28	
Stroke, mm	94.6		Coolant capacity, lit	12	
Aspiration	Natural		Oil capacity, lit	7	
Engine rotation	Anti-clockwise viewed from rear		Weight, Engine, Kg	230	
Compression ratio	19:1		Guide to sterngear		
Electrics 12v earth return Alt, Amps	55		Max. Prop. dia. for gear ratio 1.5:1 ins	15"	13"
optional 12v earth return, Amps	105		Min. Shaft Dia. St. St. ins (mm)	1 (25)	1 (25)
Minimum battery size	1X85 AH 12 volt		Speed range for this ratio (knots)	11-22	15-25
Minimum starter cable, length=size	0.6M = 40mm ² /1.2M = 70mm ²		Max. Prop. dia. for gear ratio 2:1	19"	16"
Engine operating angles			Min. Shaft Dia. St. St. ins (mm)	1 1/4 (32)	1 1/4 (32)
Engine front down (degrees)	0		Speed range for this ratio (knots)	7-16	8-20
Sideways (degrees)	15		Max. Prop. dia. for gear ratio 3:1	23"	20"
Engine front up (degrees)	15		Min. Shaft Dia. St. St. ins (mm)	1 3/8 (35)	1 3/8 (35)
			Speed range for this ratio (knots)	5-10	6-15