Ford PUMA 2.4 litre 4 cylinder marine turbo-intercooled diesel

PUMA T - 145HP 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
Developed specifically for the marine market. Good power to weight ratio, high power, high R.P.M. Suitable for shaft, sterndrive and jet applications. 16 valve cylinder head configuration for improved efficiency.

Fuel system
Direct injection, with pre-set minimum and maximum speed control injection pump and a precise fuel management system. This includes an automatic timing advance and torque control unit, to control maximum fuel delivery throughout the speed range improving fuel consumption.

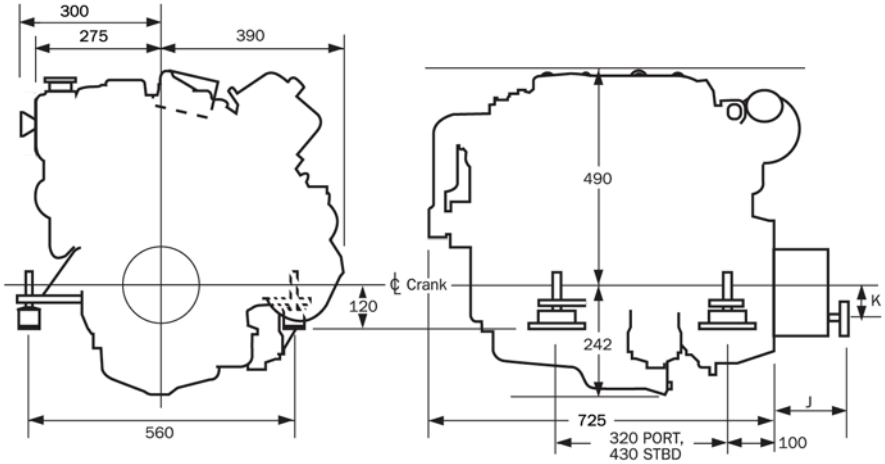
Reliability
Reliability and durability features can be attributed to the adoption of the latest innovative engineering technology, the fuel system, aluminium cylinder head with optimised gas flow, high efficiency charge air cooler. Twin, chain driven camshafts.

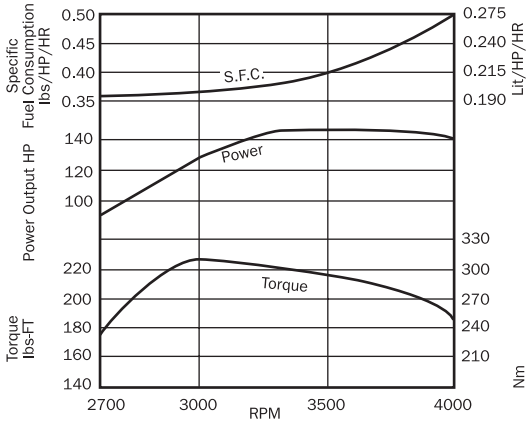
Serviceability
Low maintenance requirements, 7 rib Poly-Vee belt for low slippage. Easy access to all serviceable components.

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

Additional standard items
Electric run/stop control
High-rise exhaust
Full power dynomometer test

Optional items
"Dieselise" package for stern drive use
Boost pressure gauge
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 T
Power Maximum H.P.	145
RPM Maximum	3900
Torque Maximum Nm	305
Cubic capacity, litres	2·4
Bore, mm	89·9
Stroke, mm	94·6
Aspiration	Turbocharged
Engine rotation	Anti-clockwise viewed from rear
Compression ratio	19:1
Electrics 12v earth return Alt, Amps	55
optional 12v earth return, Amps	70 or 105
Minimum battery size	1X85 AH 12 volt
Minimum starter cable, length=size	0.6M = 40mm²/1.2M = 70mm²
Engine operating angles	
Engine front down (degrees)	0
Sideways (degrees) Manifold Up/Down	15
Engine front up (degrees)	15

Engine model	PUMA T
Max Fuel Consumption, lit/hour	29
Fuel feed diameter, ins (mm)	5/16 (8)
Fuel return diameter, ins	5/16 (8)
Exhaust diameter, ins (mm)	3 (75)
Water intake diameter, mm	26
Coolant capacity, lit	12
Oil capacity, lit	7
Weight, Engine, Kg	240
Guide to sterngear	
Max. Prop. dia. for gear ratio 1.5:1 ins	15"
Min. Shaft Dia. St. St. ins (mm)	1 1/4 (32)
Speed range for this ratio (knots)	25-40
Max. Prop. dia. for gear ratio 2:1	16"
Min. Shaft Dia. St. St. ins (mm)	1 3/8 (35)
Speed range for this ratio (knots)	19-30
Max. Prop. dia. for gear ratio 3:1	22"
Min. Shaft Dia. St. St. ins (mm)	1 5/8 (45)
Speed range for this ratio (knots)	12-22