

THE PAXMAN 12VP185




SEC ALSTON

MANU DIESEL

BASE TECHNICAL DATA, VARIANTS FROM STANDARD

Engine Type	CPPI100
Number of Cylinders	12
Bore x Stroke	100 x 105mm (3.94 x 4.13")
Configuration	60° Vee
Cycle	4 Stroke
Injection System	Direct Injection
Compression Ratio	19.5 : 1
Operating Speed Range	600-1800 rpm
Maximum Power (high speed marine)	267 (368hp, 268kW) @ 1800 rpm
Maximum Power (low speed marine)	260 (358hp)
Maximum Torque	11.8 (163.5kgm) @ 1200 rpm
Maximum Torque (low speed marine)	11.8 (163.5kgm) @ 1200 rpm
Maximum Torque (high speed marine)	11.8 (163.5kgm) @ 1200 rpm
Maximum Exhaust Back Pressure	20.0 mm Hg (1.5 in Hg)
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Timing	14.5° BTDC (before) before or standard
Air Start	Available as an Option
Start System	Electric and BP

Operating Principles

The CPPI100 is designed for operation at 1800 rpm in standard mode. The power density and torque output are 1000 kW/m³ and 1300 Nm/m³ respectively. The CPPI100 can be operated at 1200 rpm in low speed mode. The power density and torque output are 600 kW/m³ and 800 Nm/m³ respectively. The CPPI100 can be operated at 1500 rpm in medium speed mode. The power density and torque output are 800 kW/m³ and 1000 Nm/m³ respectively. The CPPI100 can be operated at 1800 rpm in high speed mode. The power density and torque output are 1000 kW/m³ and 1300 Nm/m³ respectively. The CPPI100 can be operated at 2100 rpm in very high speed mode. The power density and torque output are 1200 kW/m³ and 1600 Nm/m³ respectively.

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Features

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Power and Torque

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