400 Series 4.4TW2GM Marine Auxiliary Engine

93.6 kW (125.5 hp) gross prime power @ 1500 rpm

Building upon Perkins proven reputation within the marine power generation industry. The 4.4 range of marine auxiliary engines now fit even closer to the needs of their customers.

IIn the world of power generation success is greeted for those providing more for even less. Therefore with this new 4.4TW2GM unit, Perkins has engineered for its customers even higher levels of reliability, yet lowered the cost of owner ship. And with six cylinder capability from a four cylinder package performance increases, but crucially, bare engine noise is lower than ever before.

Rapid starting and pick-up are naturally built in especially for cold operation, but where legislation or local markets demand an emissions capability, then the 4.4TW2GM satisfies European Emissions Legislation.

4.4 Series matches technology to customers needs. An in-line 4 cylinder, 4.4 litre unit very quietly sets a new standard in prime power supply and standby for the marine power generation industry.

Specification		
Number of cylinders	4 vertical in-line	
Bore and stroke	105 x 127 mm	4.1 x 5.0 in
Displacement	4.4 litres	268.5 in^3
Aspiration	Turbocharged, air to water cooled	
Cycle	4 stroke	
Combustion system	Direct injection	
Compression ratio	19.3:1	
Rotation	Clockwise, viewed on flywheel	
Total lubricating capacity	15 litres	4 US gal
Cooling system	Water cooled	
Total coolant capacity	15 litres	3.9 US gal

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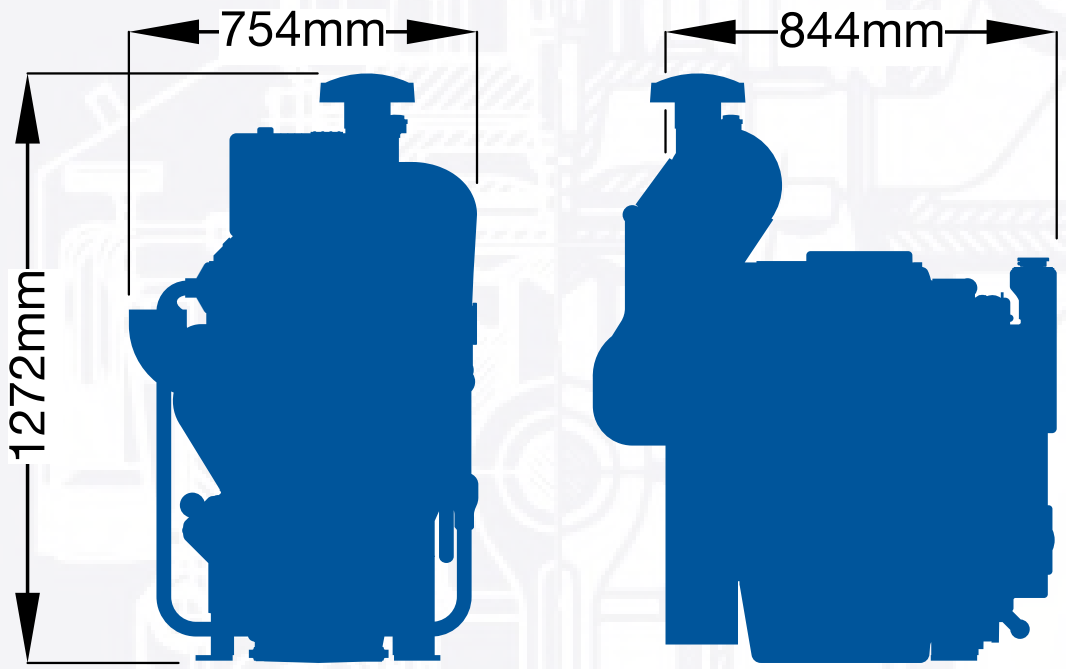

Engine package weights and dimensions		
Length	844 mm	33 in
Width	754 mm	30 in
Height	1272 mm	50 in
Weight (dry)	470 kg	1036 lb

Speed rpm	Type of operation	Typical generator output (Net)		Engine power			
				Gross		Net	
		kVA	kWe	kW	hp	kW	hp
1500	Prime power	105.3	84.2	93.6	125.5	93.6	125.5
	110%	115.9	92.7	103.0	138.0	103.0	138.0

Rating definitions
Prime power: Power for continuous service. Overload of 10% is permitted for 1 hour in very 12 hours' operation.
For further details on definitions please contact your local Perkins distributor.

Percent of prime power	Fuel consumption at 1500 rpm g/kWh	Fuel consumption at 1500 rpm l/hr
100% power	5.2	23.6
110% power	5.8	26.2

These ratings represent the performance capabilities to conditions specified in BS5514:1996, ISO 3046/1:1995 and DIN 6271.
Test Conditions Air temperature 25°C (80.6°F) barometric pressure 100 kPa (29.5 in Hg), relative humidity 30%, maximum exhaust back pressure 6 kPa, maximum inlet restriction 3 kPa.
For operation outside of these conditions please consult your PerkIns contact. Performance tolerance quoted by Perkins is ± 5%.
Electrical ratings assume a power factor of 0.8 and a generator effIciency of 90%.

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