400 Series 4.4GM Marine Auxiliary Engine

42.7 kW (57.3 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.

In the world of power generation success is greeted for those providing more for even less. Therefore with this new 4.4GM unit, Perkins has engineered for its customers even higher levels of reliability, yet lowered the cost of ownership. Also with 6 cylinder capability from a 4 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 4.4GM satisfies current European emissions legislation.

The 4.4 range 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	4.41 litres	269 in^3
Aspiration	Naturally aspirated	
Cycle	4 stroke	
Combustion system	Direct injection	
Compression ratio	18.23:1	
Rotation	Anti-clockwise, viewed on flywheel	
Total lubricating capacity	8.5 litres	2.2 US gal
Cooling system	Water-cooled	
Total coolant capacity	15 litres	3.9 US gal

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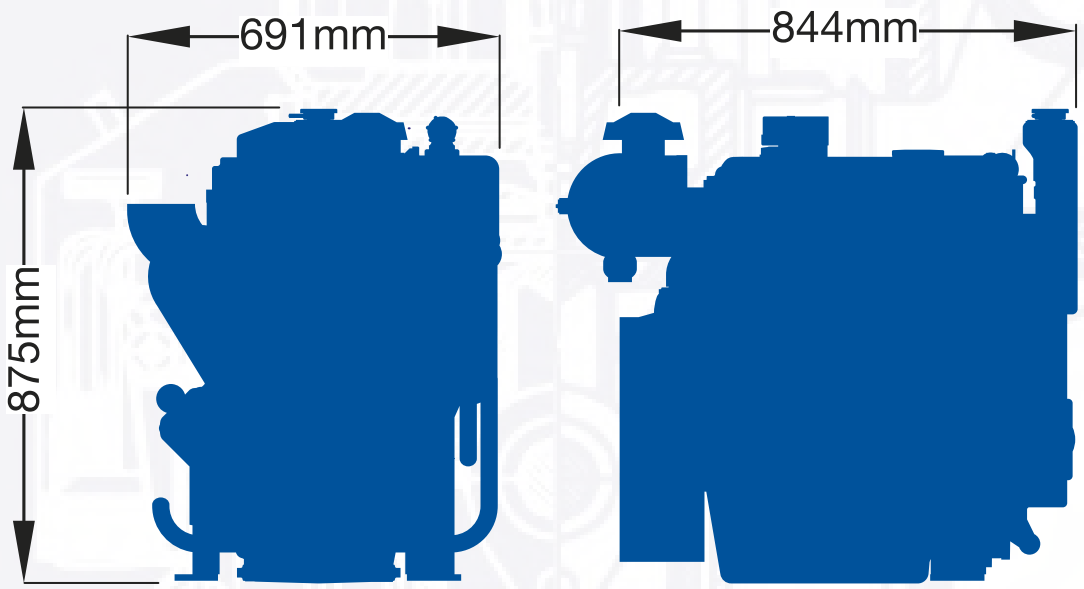

Engine package weights and dimensions		
Length	844 mm	33 in
Width	691 mm	27 in
Height	875 mm	34 in
Weight (dry)	462 kg	1018 lb

Speed rpm	Type of operation	Typical generator output (Net)		Engine power			
				Gross		Net	
		kVA	kWe	kW	hp	kW	hp
1500	Prime power	48.0	38.4	42.7	57.3	42.7	57.3
	110%	52.9	42.3	47.0	63.0	47.0	63.0

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	2.4	11.0
110% power	2.7	12.2

The above ratings represent the engine performance capabilities to conditions specified in ISO 8528/1, ISO 3046/1:1986, BS5514/1. Derating may be required for conditions outside these; consult your Perkins contact.
Generator powers are typical and are based on typical alternator efficiencies of 90% and a power factor (cos.φ) of 0.8.

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