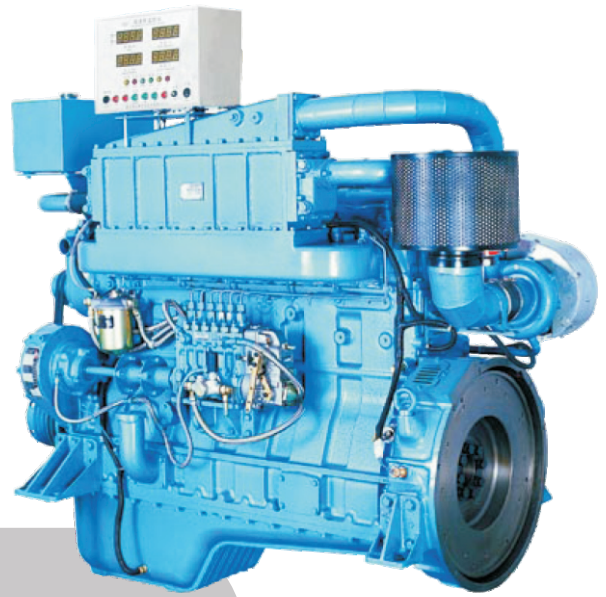


## TFG128 Series



### Features

The engine of 135mm in bore diameter is developed to meet demand of energy saving. Its minimum BSFC is 197g/kWh, which brings customers benefit under the situation of ever-increasing fuel price. The engine features good operation performance, good fuel economy and high reliability. It is equipped with water-cooled exhaust manifold, remote data indicating instruments and sound/light alarming system. The engine is compact, simple to operate and easy to install, maintain as well as repair. It shares a large number of components with 135 series engine.

- Engine structure
- Long skirt block
- One-piece crankshaft
- Oil cooler integrate into block
- New highly efficient air filter
- Water-cooled Exhaust Manifold
- 6-groove drive pulley for more equipment
- Flywheel and flywheel housing of SAE 1
- Better combustion and lower fuel consumption with minimum BSFC of 197g/kWh due to adopting P8 fuel pump developed with world higher pressure technology and piston with new type reentrant bowl.
- Good reliability and very low failure rate
- Low vibration and noise with engine noise of 112dB(A) in LW grade, lower than Chinese Standard of GB 11871-1898
- Low smoke meeting national regulation and reaching advanced industrial level and low emissions meeting IMO standard
- Low failure rate with MTBF longer than 2000 hours and B50 (first overhaul) longer than 10,000 hours

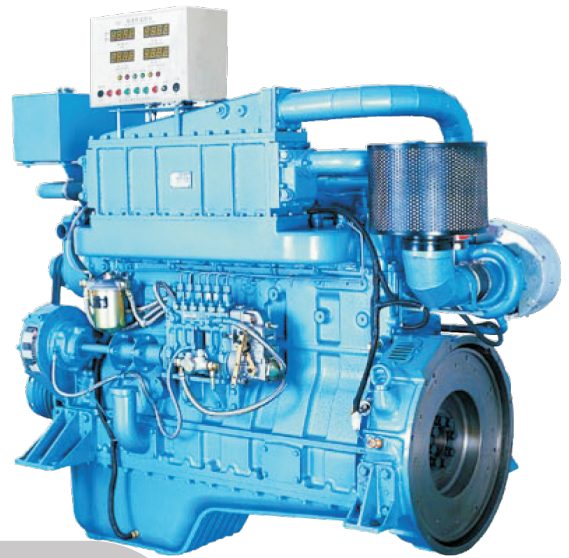
# MARINE DIESEL ENGINE



## TFG128 Series

Power range: 200~385HP

Speed range: 1500, 1800rpm



### Specification

Model	200HP	240HP		280HP		300HP	350HP	385HP
	TFG128Ca	TFG128ZCa	TFG128ZCa1	TFG128ZLCa	TFG128ZLCa3	TFG128ZLCa1	TFG128ZLCa2	TFG128ZLCa4
Type	Inline, direct injection, 4-stroke, water cooled							
Inspiration	Natural intake	Turbocharged		Turbocharged / Turbocharged intercooled				
Number of cylinder	6							
Bore/Stroke (mm/mm)	135/150							
Displacement (L)	12.9							
Firing Order	1-4-3-6-2-4							
Compression Ratio	17:1							16.5:1
Overload Power (kW/HP)	147.1/200	178.2/242		206/280		220.5/300	260/353	283/385
Overload Speed (rpm)	1854	1545	1854	1545	1854	1545	1545	1854
Rated Power (kW/HP)	133.7/182	162/220		187/254		200.5/273	236/320	257/350
UNA Rated Power (kW/HP)	128.5	155.5		180		193	227	254.9
Rated Speed (rpm)	1800	1500	1800	1500	1800	1500	1500	1800
Fuel Consumption (L/h)	22	26	27	30	31	31	38	41
Lubricating Oil Consumption (g/kW.h)	0.7							
Idle Speed (rpm)	650±30							
Starting Method	electric start (DC24V) / air start							
Overall Dimension (mm)	1633x853x1217	1730x845x1300	1732x845x1298	1672x812x1521			1762x811x1521	1762x811x1532
Dry Weight (kg)	1050±50		1100±50	1200±50			1300±50	
Configuration Description	SAE 1 interface, Dial instrument box including remote display				Digital instrument box including remote display			



**THONG FATT JAYA MACHINERY HARDWARE SDN. BHD.**

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## Performance Curve TFG128ZLCa4

