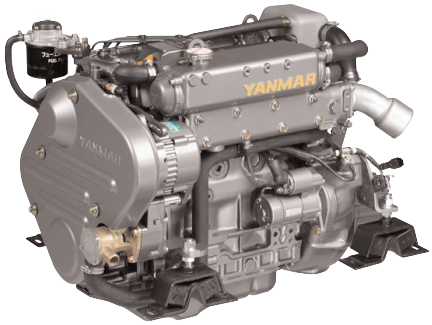
Quick Specs

Max. Output at Crankshaft	53.1 mhp (39.6 kW) / 3000 rpm
Total Displacement	2.19 L
Configuration	4-stroke cycle
Cylinders	4
Engine Weight	443 lbs

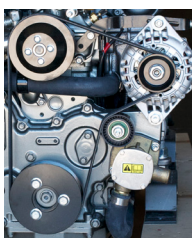


4JH5E

- Belt safety guard provides complete protection from belts and moving components
- Seawater drain valves make it easy to winterize or drain water for maintenance operations
- High-quality two-part urethane paint protects surfaces from rust

Legendary Reliability. Compact. Light Weight.

Yanmar engines are designed for high performance and maximum engine life. Tested under the most extreme conditions, you can always count on them to deliver the power you need day in and day out, year after year. It's simply the best power package available for new vessels and repower applications.



125A Alternator and Serpentine Belt

Now standard, it helps deliver maximum power for the cruising boater's needs.

Saildrive Option

A popular feature for those interested in reducing drag and increasing performance.

Convenient Service Points

Makes it easy to perform routine maintenance or handle unexpected repairs.

4JH5E

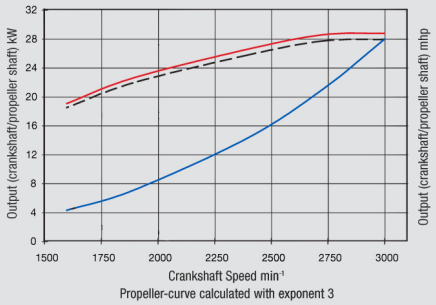
specifications

Configuration	4-stroke, 4 cylinder in line, vertical, water cooled diesel engine
Maximum output at crankshaft	53.1 mhp (39.6 kW) / 3000 rpm
Continuous rating output at crankshaft	48.3 mhp (36.0 kW) / 2907 rpm
Displacement	2.19 L (134 cu in)
Bore x stroke	3.46 in x 3.54 in (88 mm x 90 mm)
Aspiration	Natural aspiration
Alternator	12 V - 125 A
Cooling system	Fresh water cooling by centrifugal water pump and rubber impeller sea water pump
Direction of rotation (crankshaft)	Counterclockwise viewed from flywheel side
Dry weight without gear	443 lbs (200 kg)
Environmental Certification	**Meets comprehensive emissions regulations in EU: RCD / US: EPA**
Engine mounting	Flexible type isolators

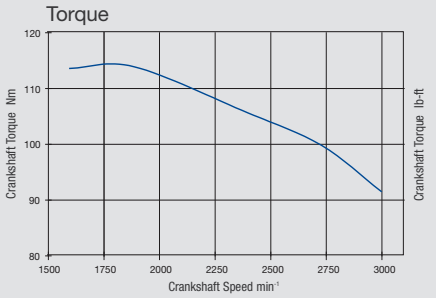
NOTE: Fuel condition: Density at 15°C = 0.84 g/cm 3; 1kW = 1.3596 mhp = 1.3410 HP
* Fuel temperature 40°C at the inlet of the fuel injection pump (ISO 8665)
Technical data is according to ISO 8665 / 3046

PERFORMANCE CURVES

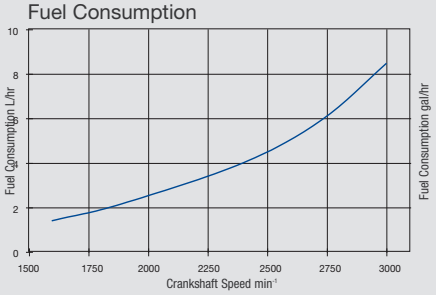
Power



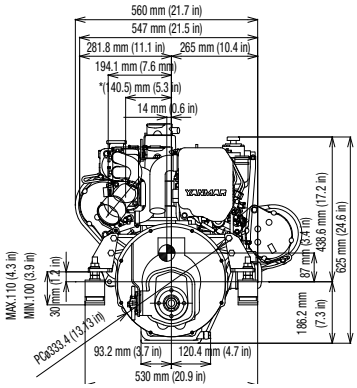
Torque



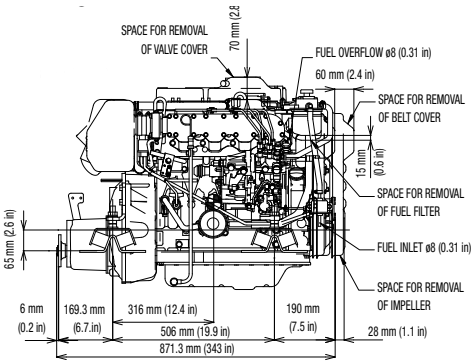
Fuel Consumption



Rear View



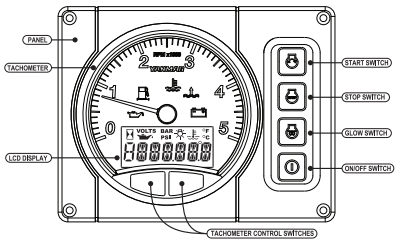
Right Side View

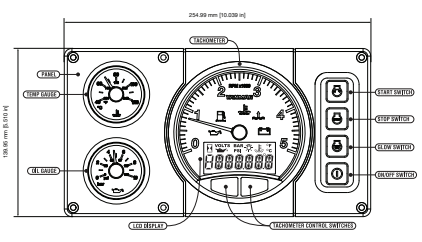


Marine Gears/Drive

Model	KM35P		KM35A2 (down angle: 7deg)		KM4A1 (down angle: 7deg)			ZF30M		Saildrive SD60
Type	Mechanical clone clutch		Mechanical cone clutch		Mechanical cone clutch			Mechanical multy disc		Mechanical wet type multi-disc
Dry weight	12 kg (27 lbs)		13 kg (29 lbs)		29 kg (64 lbs)			28 kg (61 lbs)		40 kg (88 lbs)
Reduction ratio (fwd/asn)	2.36/3.16	2.61/3.16	2.33/3.06	2.64/3.06	1.47/1.47	2.14/2.14	2.63/2.63	2.15/2.64	2.70/2.64	2.32/2.32
Propeller speed(fwd/asn)	1271/949	1149/949	1288/980	1136/980	2041/2041	1402/1402	1141/1141	1395/1136	1111/1136	1293/1293
Direction of rotation (propeller shaft - fwd)	Clockwise viewed from stern		Clockwise viewed from stern		Clockwise viewed from stern			Clockwise viewed from stern		Clockwise & counterclockwise viewed from stern
Dry weight engine and gear/drive	213 kg (470 lbs)		214 kg (472 lbs)		230 kg (507 lbs)			229 kg (505 lbs)		241 kg (531 lbs)
Length engine and gear/drive	871 mm (34.3 in)		864 mm (34.0 in)		922 mm (36.3 in)			950 mm (37.4 in)		1067 mm (42.0 in)

Instrument Panels B and C (Optional)





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