

Quick Specs

Max. Output at Crankshaft	38.5 mhp / 3000 rpm
Total Displacement	1.642 L
Configuration	4-stroke cycle
Cylinders	3
Engine Weight	381 lbs



3JH5E

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 re-power applications.



80A Alternator

Once an option, and now standard, it helps deliver maximum power for the cruising boater's needs.



Sailandrive 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.



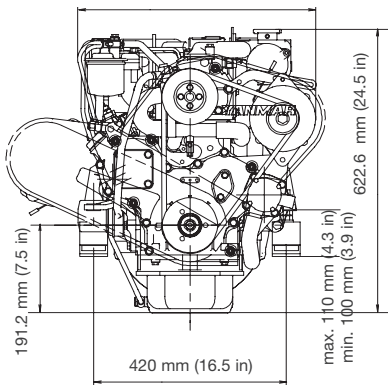
Configuration	4-stroke, 3 cylinder in line, vertical, water cooled diesel engine
Maximum output at crankshaft	38.5 mhp (28.7 kW) / 3000 rpm
Continuous rating output at crankshaft	35 mhp (26.1 kW) / 2907 rpm
Displacement	1.642 L (100 cu in)
Bore x stroke	3.46 in x 3.54 in (88 mm x 90 mm)
Aspiration	Natural Aspiration
Alternator	12 V - 80 A
Cooling system	Fresh water cooling by centrifugal fresh water pump and rubber impeller sea water pump
Direction of rotation (crankshaft)	Counter clockwise viewed from flywheel side
Dry weight without gear	381 Lbs (173 Kg)
Environmental Certification	Meets the comprehensive emissions regulations in EU, RCD, US EPA
Engine mounting	Flexible type isolators

NOTE: Fuel condition: Density at 15°C = 0.84 g/cm³; 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

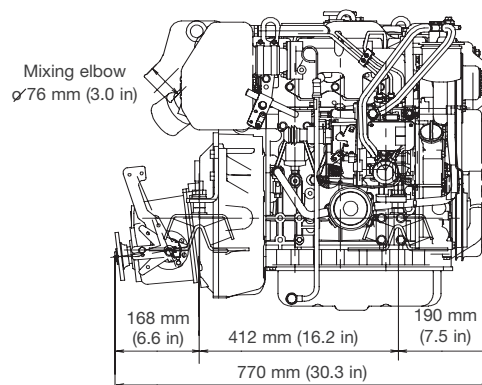
MARINE GEARS/DRIVE

Model	KM35P		KM35A (down angle:7deg)		Saildrive (SD50)
Type	Mechanical cone clutch		Mechanical cone clutch		Mechanical cone clutch
Dry weight	27 lbs (12 kg)		29 lbs (13 kg)		88 lbs (40 kg)
Reduction ratio (fwd/asn)	2.36/3.16	2.36/3.16	2.36/3.16	2.36/3.16	2.36/3.16
Propeller speed (fwd/asn)	1271/949	1149/949	1288/987	1136/987	1293/1293
Direction of rotation	Clockwise viewed from the stern				Clockwise & counter clockwise viewed from flywheel side
Dry weight engine and gear/drive	408 lbs (185 kg)		410 lbs (186 kg)		470 lbs (213 kg)
Length engine and gear/drive	31 in (777 mm)		31 in (776 mm)		38 in (973 mm)

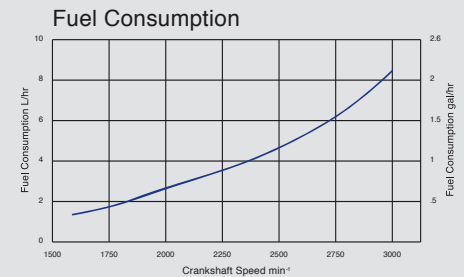
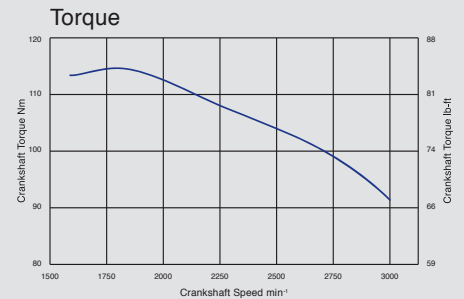
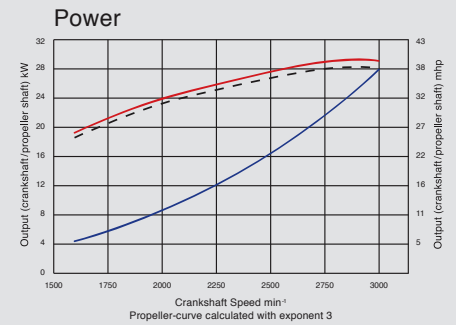
Rear View



Right Side View



PERFORMANCE CURVES



Instrument Panels B and C (Optional)

