

## Quick Specs

Max. Output at Crankshaft	57 MHP (41.9KW) /3000 RPM
Total Displacement	2.19 ltr / 134 cu in
Configuration	4-stroke, vertical, water-cooled
Cylinders	4
Engine Weight (Bobtail)	220 kg / 485 lbs



## 4JH57 Common Rail

New common rail design lowers emissions level.

Belt safety guard provides complete protection from belts and moving components.

High quality two layer paint protects surfaces from rust.

## Legendary Reliability. Better Performance.

YANMAR engines are well known as some of the longest lasting and most reliable on the market. Thanks to the use of common rail technology, our new line of Tier 3 compliant engines now offer even better performance with higher torque, less noise, little to no smoke and increased fuel economy. Our engines are simply the best power package available for new vessels and re-power applications.



### Common Rail Technology

New common rail technology allows for more precise fuel injection and smoother, quieter and cleaner operation.



### Same Compact Size and Control Hookup

The new line of JH common rail engines has the same foot print as previous models for easy replacement of new and existing applications.



### 12V - 125A Alternator

The 12V - 125A Alternator allows for higher output and more power at a lower RPM.



### More Information and NMEA 2000® Protocol

The engine control unit (ECU) allows for access to more information, including engine operation and fuel consumption.

## ACCESSORIES

### Standard Package

- Set of flexible engine mounts
- Exhaust mixing elbow [L-type]
- Serpentine belt safety cover
- Fresh water expansion tank
- Alternator 12V - 125A
- Operation manual
- B25-panel
- Sensors for instrument panel
- Seawaterpump front mounted
- Engine Topcover for protection

### Optional

- Second alternator 12V - 125A or 24V - 60A
- High-riser mixing elbow [instead of L-elbow]
- Extension wire harness [3m, 5m, 10m]
- Hot water kit with cocks
- Second station harness and panel
- C35-panel
- Oil pressure sensor for C35-panel
- Extension saildrive leg [75 mm]
- Propeller cone nut kit SD60
- NMEA 2000 convertor for Engine monitory system
- Emergency stop switch



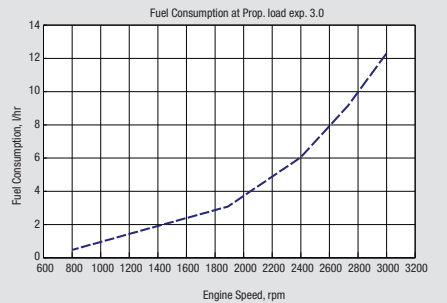
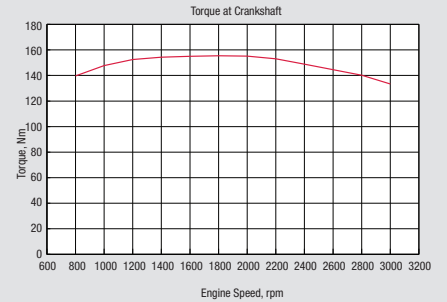
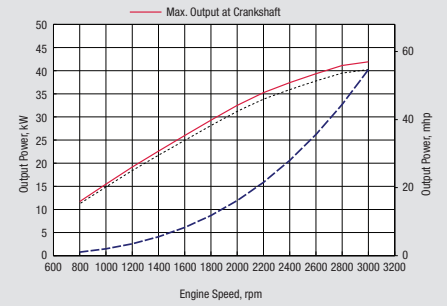
# 4JH57

# specifications

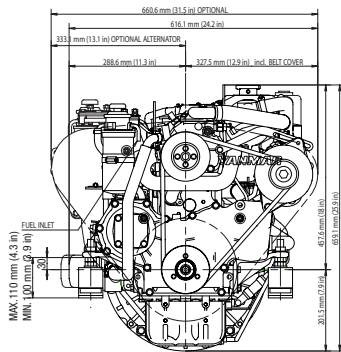
Configuration	4-stroke, vertical, water-cooled diesel engine
Maximum output at crankshaft	*41.9 kW@3000 rpm (57 mhp@3000 rpm)
Combustion System	Direct injection with common rail
Displacement	2.19 L (134 cu in)
Bore x stroke	88 mm x 90 mm (3.46 in x 3.54 in)
Aspiration	Natural aspiration
Alternator	12V - 125A
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	220 kg (485 lbs)
Environmental Certification	Meets comprehensive emissions regulations in US: EPA Tier 3 EU: RCD/BSO II/EMC
Engine mounting	Rubber type flexible mounting

NOTE: Fuel condition: Density at 15°C = 0.84 g/cm<sup>3</sup>; 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

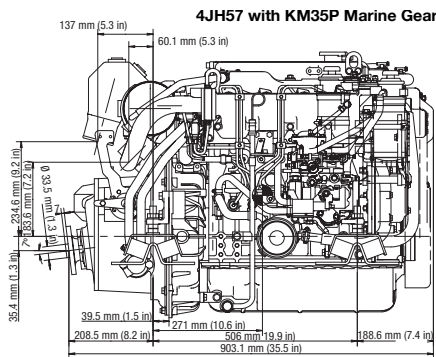
## PERFORMANCE CURVES



## Rear View



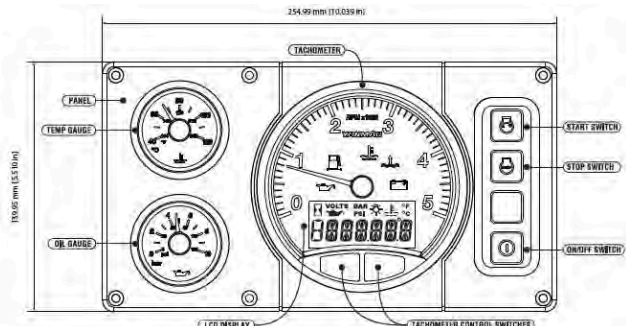
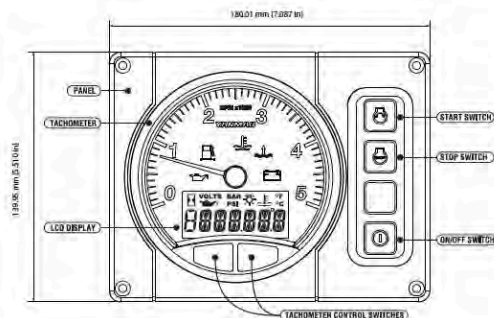
## Right Side View



## Marine Gears/Drive

Model	KM35P	KM35A2 (down angle: 7°)	KM4A1 (down angle: 7°)	ZF30M	Saildrive SD60
Type	Mechanical cone clutch	Mechanical cone clutch	Mechanical cone clutch	Mechanical multi-disc	Mechanical wet type multi-disc
Dry Weight	33 lbs (15 kg)	35 lbs (16 kg)	73 lbs (33 kg)	51 lbs (23 kg)	97 lbs (44 kg)
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	2.23/2.23 2.49/2.49
Propeller Speed (fwd/asn)	1271/949 1149/949	1288/980 1136/980	2041/2041 1402/1402 1141/1141	1395/1136 1111/1136	1345/1345 1205/1205
Direction of rotation (propeller shaft-fwd)	Clockwise viewed from stern	Clockwise viewed from stern	Clockwise & Counterclockwise viewed from stern	Clockwise viewed from stern	Clockwise & Counterclockwise viewed from stern
Dry weight engine & gear/drive	518 lbs (235 kg)	520 lbs (236 kg)	558 lbs (253 kg)	536 lbs (243 kg)	582 lbs (264 kg)
Length engine and gear/drive	34 in (870 mm)	34 in (868 mm)	36 in (926 mm)	37 in (950 mm)	44 in (1113 mm)

## Instrument Panels B and C



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