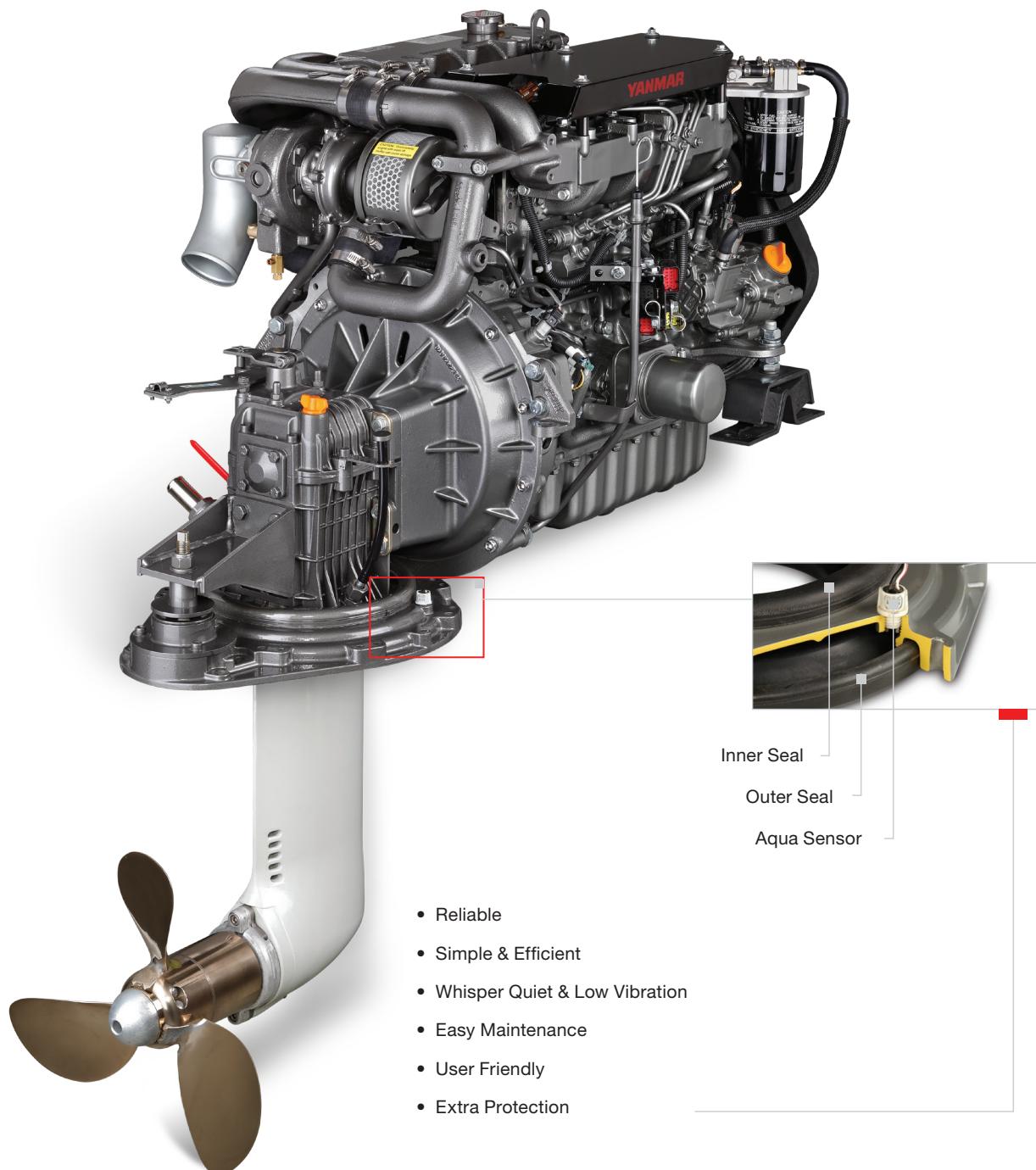




YANMAR

MARINE DIESEL ENGINES

## ***Yanmar Saildrive SD60 Series***



- Reliable
- Simple & Efficient
- Whisper Quiet & Low Vibration
- Easy Maintenance
- User Friendly
- Extra Protection

***Yanmar Saildrive Type******SD60***

Reduction gear system

Constant mesh gear with wet type multi-disc clutch

Reduction ratio [fwd/asn]

2.23/2.23 2.49/2.49

Direction of rotation

Clockwise &amp; counter clockwise

[propeller shaft - fwd]

viewed from flywheel side

Dry weight Saildrive

44 kg [97 lbs]



### Engine Model

### 3JH5CE x SD60

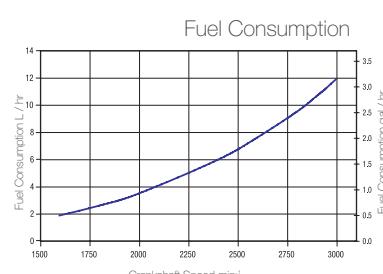
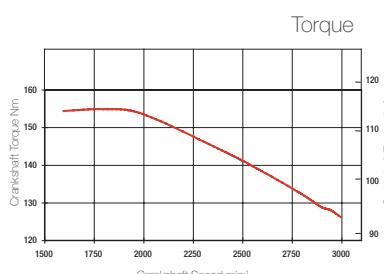
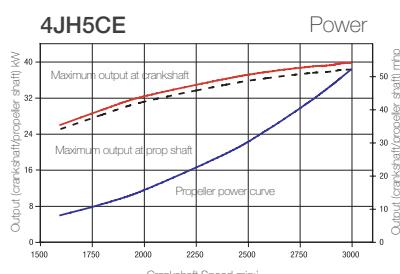
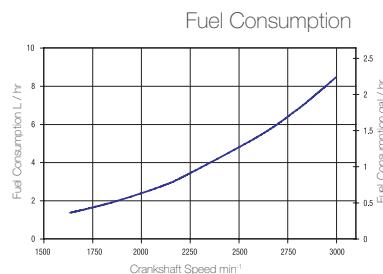
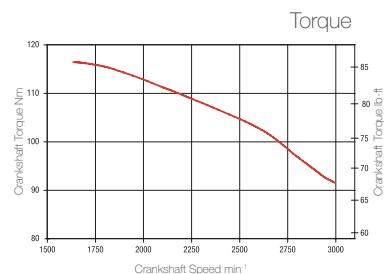
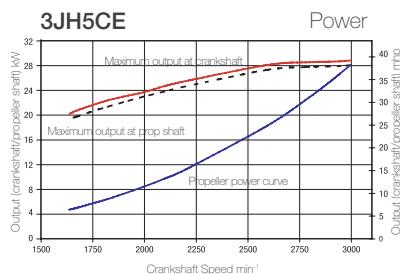
Configuration	4-stroke, vertical, water-cooled diesel engine
Maximum output at crankshaft	* 28.7 kW@3000 rpm [39 mhp@3000 rpm]
Continuous rating output at crankshaft	26.7 kW@2907 rpm [36.3 mhp@2907 rpm]
Displacement	1.64 ltr [100 cu in]
Bore x stroke	88 mm x 90 mm [3.46 in x 3.54 in]
Cylinders	3
Combustion system	Direct injection
Aspiration	Natural aspiration
Starting system	Electric starting 12V - 1.4 kW
Alternator	12V - 120A
Cooling system	Fresh water cooling
Lubrication system	Enclosed, forced lubricating system
Lubrication oil for Saildrive	15W40
Direction of rotation [propeller]	Counterclockwise viewed from flywheel side
Dry weight with Saildrive	213 kg [470 lbs]
Environmental	EU: RCD    BSO II    EMC
Engine mounting	Rubber type flexible mounting

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 8665:2006]

Technical data is according to ISO 8665: 2006




**4JH5CE x SD60**

4-stroke, vertical, water-cooled diesel engine

\* 39.6 kW@3000 rpm [54 mhp@3000 rpm]

36.8 kW@2907 rpm [50 mhp@2907 rpm]

2.19 ltr [134 cu in]

88 mm x 90 mm [3.46 in x 3.54 in]

4

Direct injection

Natural aspiration

Electric starting 12V - 1.4 kW

12V - 120A

Fresh water cooling

Enclosed, forced lubricating system

15W40

Clockwise viewed from flywheel side

240 kg [529 lbs]

EU: RCD BSO II EMC

Rubber type flexible mounting


**4JH4-TCE x SD60-T**

4-stroke, vertical, water-cooled diesel engine

\* 55.2 kW@3200 rpm [75 mhp@3200 rpm]

50.2 kW@3100 rpm [68 mhp@3100 rpm]

1.99 ltr [122 cu in]

84 mm x 90 mm [3.31 in x 3.54 in]

4, 4-valves per cylinder

Direct injection

Turbo charged

Electric starting 12V - 1.4 kW

12V - 120A

Fresh water cooling

Enclosed, forced lubricating system

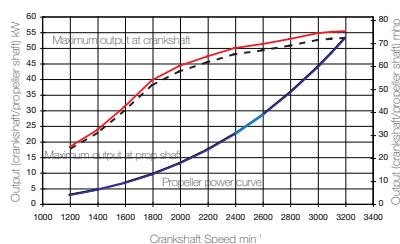
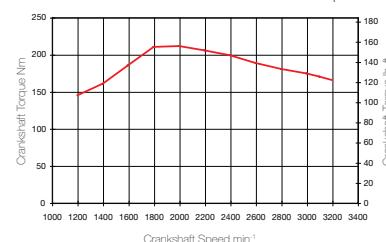
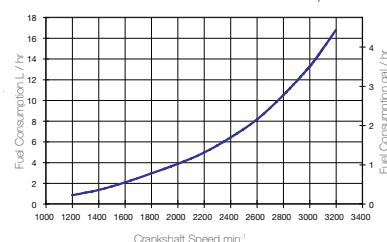
15W40

Clockwise viewed from flywheel side

249 kg [549 lbs]

EU: RCD BSO II EMC

Rubber type flexible mounting

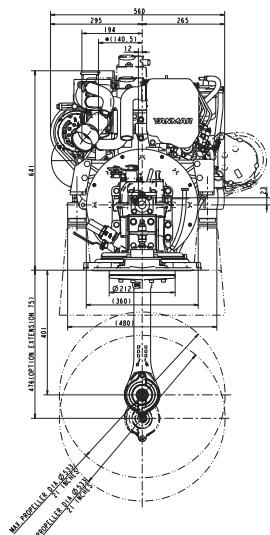
**4JH4-TCE**
**Power**

**Torque**

**Fuel Consumption**




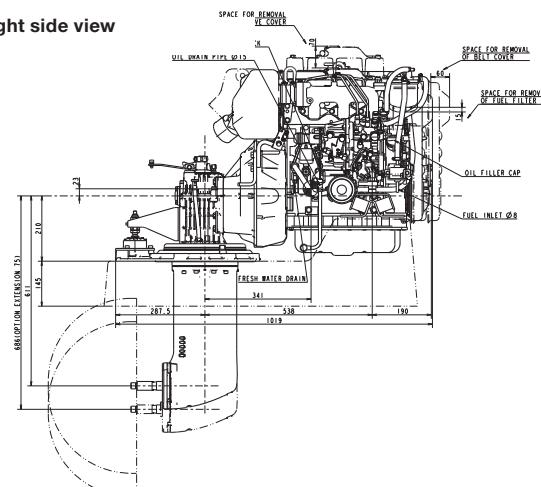
**YANMAR**

3JH5CE x SD60

## Rear view

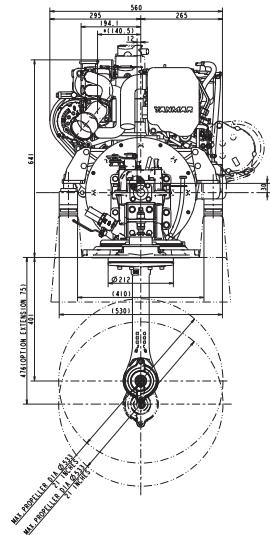


**Right side view**

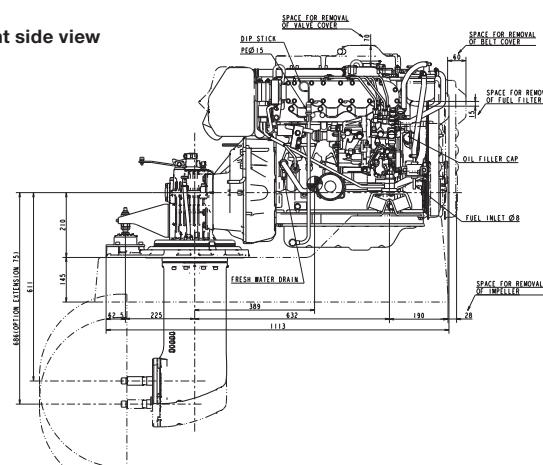


4JH5CE x SD60

### Rear view

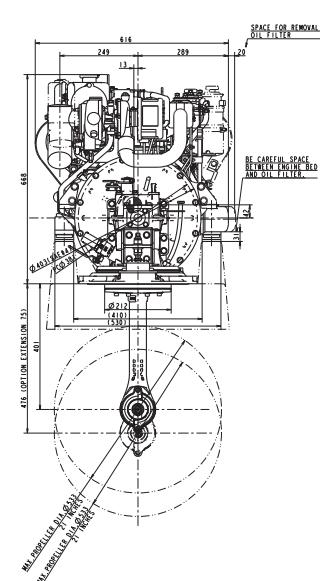


**Right side view**

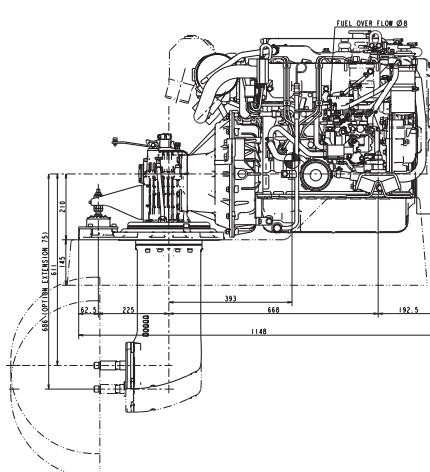


4-IH4-TCE x SD60-T

### Rear view



Right side view



NOTE: All data subject to change without notice. Text and illustrations are not binding.

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