**MARINE DIESEL ENGINES**

### 4JH57 Common Rail Series

- **Configuration**: 4-stroke, vertical, water-cooled diesel engine
- **Maximum output at crankshaft**: 41.9 kW@3000 rpm [57 mhp@3000 rpm]
- **Displacement**: 2.19 ltr [134 cu in]
- **Bore x stroke**: 88 mm x 90 mm [3.46 in x 3.54 in]
- **Cylinders**: 4 in line
- **Combustion system**: Direct injection with common rail system
- **Aspiration**: Natural aspiration
- **Starting system**: Electric starting 12V - 1.4 kW
- **Alternator**: 12V - 125A
- **Cooling system**: Fresh water cooling by centrifugal water pump and rubber impeller sea water pump
- **Lubrication system**: Enclosed, forced lubricating system
- **Direction of rotation [crankshaft]**: Counterclockwise viewed from flywheel side
- **Dry weight without gear**: 220 kg [485 lbs]
- **Environmental**: EU: RCD (will comply RCD2 from 2016) BSO II EMC US: EPA Tier 3
- **Engine mounting**: Rubber type flexible mounting

**NOTE:**
Fuel condition: Density at 15°C = 0.84 g/cm³: 1 kW = 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

**DIMENSIONS**

* 4JH57 with KM35P marine gear

**www.yanmar.eu**
### Marine Gears/Drive

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Type</td>
<td>Mechanical cone clutch</td>
<td>Mechanical cone clutch</td>
<td>Mechanical cone clutch</td>
<td>Mechanical multi-disc</td>
<td>Mechanical wet type multi-disc</td>
</tr>
<tr>
<td>Dry Weight</td>
<td>15 kg [33 lbs]</td>
<td>16 kg [35 lbs]</td>
<td>33 kg [73 lbs]</td>
<td>23 kg [51 lbs]</td>
<td>44 kg [97 lbs]</td>
</tr>
<tr>
<td>Reduction Ratio [fwd/asn]</td>
<td>2.36/3.16</td>
<td>2.61/3.16</td>
<td>2.33/3.06</td>
<td>2.64/3.06</td>
<td>1.47/1.47</td>
</tr>
<tr>
<td>Propeller speed [fwd/asn]</td>
<td>1271/949</td>
<td>1149/949</td>
<td>1288/980</td>
<td>1136/980</td>
<td>2041/2041</td>
</tr>
<tr>
<td>Direction of rotation [propeller shaft - fwd]</td>
<td>Clockwise</td>
<td>Clockwise</td>
<td>Clockwise &amp; counterclockwise</td>
<td>Clockwise</td>
<td>Clockwise &amp; counterclockwise</td>
</tr>
<tr>
<td>Length engine and gear/drive</td>
<td>870 mm [34 in]</td>
<td>868 mm [34 in]</td>
<td>926 mm [36 in]</td>
<td>950 mm [37 in]</td>
<td>1113 mm [44 in]</td>
</tr>
</tbody>
</table>

### Instrument Panels

#### B25 Standard

![B25 Standard Instrument Panel](image1.png)

#### C35 Optional

![C35 Optional Instrument Panel](image2.png)

### Accessories

**Standard Package**
- Set of flexible engine mounts
- Exhaust mixing elbow [L-type]
- V-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

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