Quick Specs

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Output at Crankshaft</td>
<td>29 mhp / 3,600 rpm</td>
</tr>
<tr>
<td>Total Displacement</td>
<td>1.115 L</td>
</tr>
<tr>
<td>Configuration</td>
<td>4-stroke cycle</td>
</tr>
<tr>
<td>Cylinders</td>
<td>3</td>
</tr>
<tr>
<td>Engine Weight</td>
<td>271 lbs</td>
</tr>
</tbody>
</table>

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.

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.
**3YM30**

### Specifications

**Configuration**  
4-stroke, 3 cylinder, vertical, water cooled diesel engine

**Maximum output at crankshaft**  
29.1 mhp (21.3 kW) / 3600 rpm

**Continuous rating output at crankshaft**  
27.3 mhp (20.1 kW) / 3489 rpm

**Displacement**  
1.115 L (68 cu in)

**Bore x stroke**  
2.9 in x 3.2 in (76 mm x 82 mm)

**Aspiration**  
Natural aspiration

**Alternator**  
12 V - 80 A

**Cooling system**  
Fresh water cooling with heat exchanger

**Direction of rotation (crankshaft)**  
Counter clockwise viewed from stern

**Dry weight without gear**  
271 Lbs (123 Kg)

**Environmental Certification**  
Meets the comprehensive emissions regulations in EU and US.

**Engine mounting**  
Flexible type isolators

### MARINE GEAR/DRIVE

<table>
<thead>
<tr>
<th>Model</th>
<th>KM2P-1</th>
<th>Saildrive (SD20)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Constant mesh gear with servo-cone clutch</td>
<td>Constant mesh gear with dog clutch</td>
</tr>
<tr>
<td>Dry weight</td>
<td>22 lbs (10 kg)</td>
<td>66 lbs (30 kg)</td>
</tr>
<tr>
<td>Reduction ratio (fwd/asn)</td>
<td>2.21/3.06</td>
<td>2.64/2.64</td>
</tr>
<tr>
<td>Propeller speed (fwd/asn)</td>
<td>1629/1176</td>
<td>1364/1364</td>
</tr>
<tr>
<td>Direction of rotation from the stern</td>
<td>Clockwise viewed from flywheel side</td>
<td>Clockwise / Counterclockwise viewed from flywheel side</td>
</tr>
<tr>
<td>Dry weight - engine &amp; gear</td>
<td>356 lbs (133 kg)</td>
<td>420 lbs (157 kg)</td>
</tr>
<tr>
<td>Length engine and gear/drive</td>
<td>28 in (715 mm)</td>
<td>35 in (895 mm)</td>
</tr>
</tbody>
</table>

### PERFORMANCE CURVES

**Torque**

**Fuel Consumption**

### Instrument Panels B and C (Optional)

**Rear View**

**Right Side View**

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)