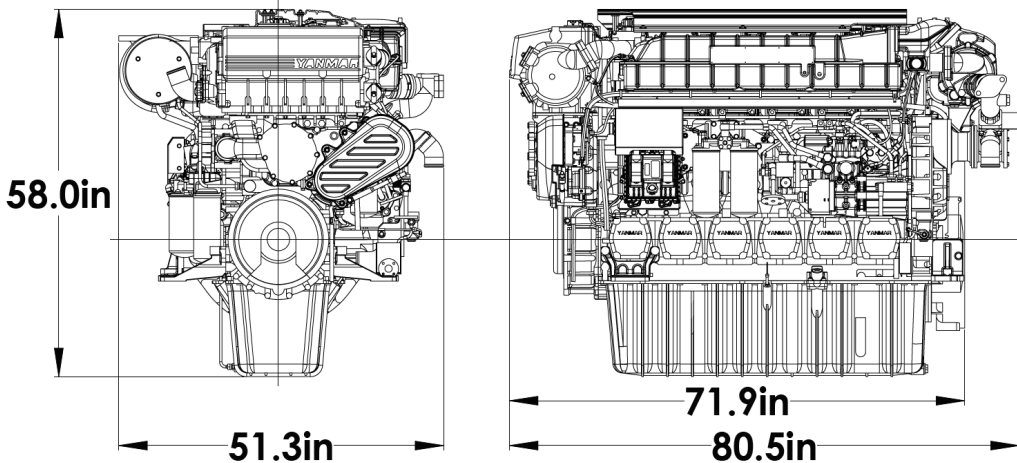


## 6AYEM-ST

Rating	HP	kW	RPM	Rated Fuel Consumption
<b>Continuous</b> <i>Continuous Duty Unlimited Hours</i>	<b>650</b>	<b>485</b>	<b>1900</b>	<b>33 GAL/HR (125 L/HR)</b>

<b>No. of Cylinders</b>	6 in-line
<b>Bore x Stroke</b>	155 x 180
<b>Displacement</b>	20.379 L
<b>Combustion System</b>	Direct Injection
<b>Aspiration</b>	Turbocharger + Intercooler
<b>Starting System</b>	Electric Motor Starting (24V 8.0kW)
<b>Cooling System</b>	Heat Exchanger
<b>Size of Flywheel Housing &amp; Flywheel</b>	SAE #0 and 18 in.
<b>Dry Weight</b>	5331 lb (2418 kg)
<b>Dimensions</b>	78.7 x 51.4 x 60.3 in (2000 x 1305 x 1531 mm)



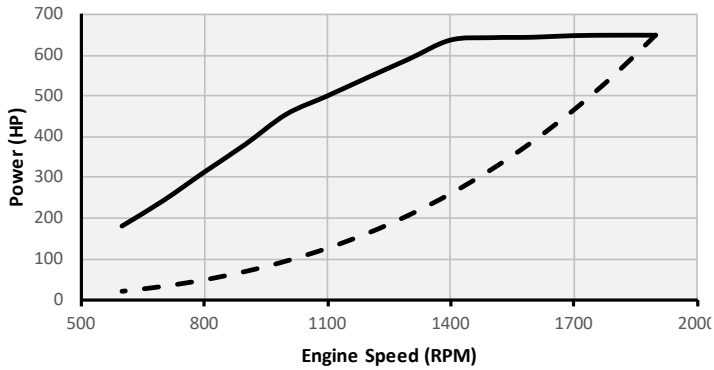
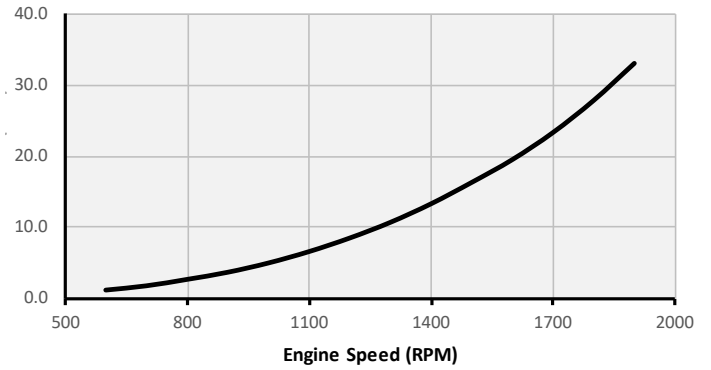
### Engine Design Feature

- Reliable, marine purpose built engine
- Long stroke, high torque at low RPM
- Forged crank and piston rods
- Gray cast iron pistons, heads and block
- "Silicard" ceramic embedded grey cast iron wet liner and piston rings

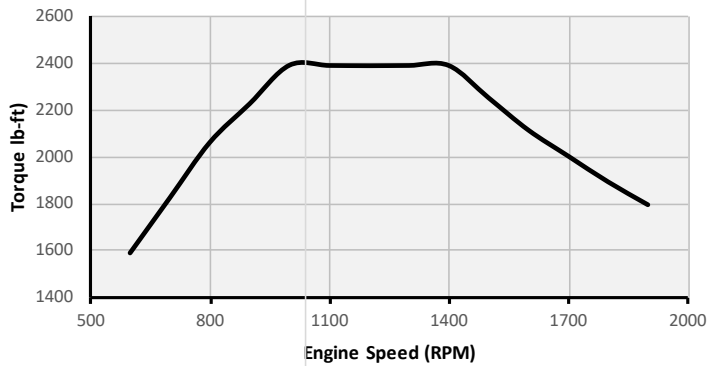
### Complete Engine and Gearbox Package Benefits

- YXH-240(L) gearbox designed to specifically match engine
- Engine and gearbox load tested as a package
- Engine and gearbox assembled with torsional coupling, oil cooler, mounts, cooling pipes and companion flange included
- Torsional Vibration Analysis report provided free of charge

<b>Emissions Certifications</b>	<b>Class Certifications</b>
EPA Tier 3 IMO Tier II	All major Classifications

**POWER OUTPUT**

**FUEL CONSUMPTION**


Propeller power output curves (dotted line) are a 3.0 exponent.

**TORQUE OUTPUT**

**Fuel System Features**

- Bosch off-the-shelf fuel injection components
- Non-serialized fuel injectors, which means no laptop required for replacement
- High pressure common rail multi-stage injection
- Extremely quiet operation

**Cooling System Features**

- Heat exchanger cooling standard with rubber impeller sea water pump
- Keel cooling option with dual grey cast iron centrifugal pumps
- Engine oil cooler features stainless and cast iron design

**Oil Lubrication System**

- 500 hour oil service interval
- Standard oil pan: approximate 30 gallon capacity
- Shallow oil pan: approximate 20 gallon capacity
- Standard dual spin on oil filter assembly with separate by-pass oil filter

**Monitoring**

- Engine room-mounted digital display panel standard
- 7" digital monitoring and alarm helm panel standard
- Multiple configurations for all applications
- YANMAR engine and gearbox control optional