## MARINE DIESEL ENGINES

### 6LY2M-WDT / WST Series

<table>
<thead>
<tr>
<th>Configuration</th>
<th>4-stroke, vertical, water-cooled diesel engine</th>
</tr>
</thead>
</table>
| Maximum output at crankshaft | * 259 kW (352mhp) @3200 rpm  
** 243 kW (330mhp) @3200 rpm  
** 277 kW (376mhp) @3200 rpm  
* 294 kW (400mhp) @3200 rpm |
| Displacement | 5.813 ltr [354 cu in] |
| Bore x stroke | 106 mm x 110 mm [4.17 in x 4.33 in] |
| Cylinders | 6 in line |
| Combustion system | Direct injection |
| Aspiration | Turbocharged with watercooled turbine housing |
| Starting system | Electric starting 24V - 4 kW |
| Alternator | 24V - 1080W |
| Cooling system | Fresh water cooling by centrifugal fresh water pump and rubber impeller seawater pump |
| Lubrication system | Enclosed, forced lubricating system |
| Direction of rotation [crankshaft] | Counter clockwise viewed from stern |
| Dry weight without gear | 535 kg [1179 lbs] |
| Environmental | IMO Tier2 |
| Engine mounting | Rigid (option:Rubber type flexible mounting ) |

**NOTE:**  
1 kW = 1.3596 mhp  
* Fuel temperature 25°C Fuel gravity 860g/litter [ISO 3046-1],  
** Fuel temperature 40°C Fuel gravity 840g/litter [ISO 8665: 2006],  
Technical data is according to ISO 8665: 2006

### DIMENSIONS

#### Rear view

![Rear view diagram](image1)

#### Right side view

![Right side view diagram](image2)

6LY2M-WDT / WST (Bobtail)

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**MARINE DIESEL ENGINES**

### PERFORMANCE CURVES

#### 6LY2M-WDT

**Power**

- Engine Power, kW
- Engine Torque, Nm
- Fuel Consumption, L/hr

#### 6LY2M-WST

**Power**

- Engine Power, kW
- Engine Torque, Nm
- Fuel Consumption, L/hr

### MARINE GEARS / DRIVE

<table>
<thead>
<tr>
<th>Model</th>
<th>YX-50S</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Hydraulically actuated multi-disc clutch</td>
</tr>
<tr>
<td>Dry weight</td>
<td>117 kg [258 lbs]</td>
</tr>
<tr>
<td>Reduction ratio [hp/ass]</td>
<td>1.51/1.51 2.03/2.03 2.48/2.48 2.88/2.88</td>
</tr>
<tr>
<td>Direction of rotation [propeller shaft - fwd]</td>
<td>Clockwise &amp; Counterclockwise viewed from stern</td>
</tr>
<tr>
<td>Dry weight engine and gear/drive</td>
<td>643 kg [1415 lbs]</td>
</tr>
<tr>
<td>Length engine and gear/drive</td>
<td>1462 mm [57.5 in]</td>
</tr>
</tbody>
</table>

* Other marine gearboxes and configurations available upon request. Contact your local supplier for more information.

### DIMENSIONS (coupled with marine gear)

#### Rear view

- Length engine and gear/drive: 1462 mm [57.5 in]

#### Right side view

- L: 800
- WST: 264
- WDT: 247.5

### ACCESSORIES

#### Standard engine package
- Rigid mounting
- Alternator 24V - 1080W
- L-type Mixing Elbow
- Engine stop device
- Instrument panel D type
- Deep sump
- Duplex fuel filter

#### Optional accessories
- Flexible mounts (YT)
- Riser type Mixing Elbow [C-W hose]
- Electric bridge pump
- Kingston cock
- 2 poles electric wiring
- Lub oil evacuation pump
- Exhaust Bellows
- YX50S marine gear

- IMO NOx Certificate
- Intake air heater
- Dry exhaust
- Remote control head
- Breather hose to intake air

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

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