X31
Gearbox for 6M33.2
**Sample Powers (kw/hp)**

<table>
<thead>
<tr>
<th>Speed (RPM)</th>
<th>1600</th>
<th>1800</th>
</tr>
</thead>
<tbody>
<tr>
<td>300</td>
<td>4.034*</td>
<td>569 (772)</td>
</tr>
<tr>
<td>444</td>
<td>4.444</td>
<td>505 (687)</td>
</tr>
<tr>
<td>5074*</td>
<td>5.074*</td>
<td>505 (687)</td>
</tr>
<tr>
<td>5560</td>
<td>5.560</td>
<td></td>
</tr>
<tr>
<td>6000</td>
<td>6.000</td>
<td></td>
</tr>
</tbody>
</table>

* Non standard ratio

**Description**

- Robust design and easy onboard maintenance. Robust design also withstands continuous duty in workboat, dredger applications.
- Fully tested, reliable and simple to install.
- Reverse reduction marine transmission with hydraulically actuated multi-disc clutches.
- Case hardened and precise ground gear teeth for long life and smooth running.
- Robust cast iron casing for direct or remote mounting.
- Emergency “get home” capability.
- Suitable for twin installation with 100% rated power in ahead and astern condition.

**Standard Equipment**

- Oil cooler complete with fittings and flexible hoses
- Flanged coupling
- Lube oil pump
- Elastic coupling with fail safe device SAE14*
- Rigid mounting brackets
- Propeller shaft flange and coupling bolt set
- Classification by all major Classification Societies on request
- Electric clutch control
- Set Control Monitoring:
  - Manometer and thermometer gauges
  - Clutch oil pressure sensor monitored by the control system
  - Low clutch pressure alarm switch monitored by the engine BMS
Options

Live PTO Type: 0 / Ratio: 0.791/1 / flange SAE B

Clutchable PTO Type: 1 for one output Electrical valve control 24V / Ratio : 0.679/1 - 0.83/1 - 0.981/1

Clutchable PTO Type: 2 for two outputs / Electrical valve control 24V / Ratio: To be defined

Hydraulic pump adaptation flange and coupling, not machined for type: 182 (to be machined by consumer)

Dimensions and dry weight (mm/kg)

<table>
<thead>
<tr>
<th>Model</th>
<th>Bell housing</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>H1</th>
<th>H2</th>
<th>H3</th>
<th>L1</th>
<th>L2</th>
<th>L3</th>
<th>Dry Weight kg(lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>X31</td>
<td>#1</td>
<td>370</td>
<td>880</td>
<td>440</td>
<td>395 (495)</td>
<td>754 (654)</td>
<td>0</td>
<td>885</td>
<td>90</td>
<td>970</td>
<td>1000 (2200)</td>
</tr>
</tbody>
</table>

Flange Coupling Dimension

| Type | ØA | ØB | +0.15 / -0.15 | ØC | D | ØE | ØF | G | H | J | Ømaxi forage | Ømaxi drilling | CENTRAGE CENTERING |
|------|----|----|---------------|----|---|----|----|---|---|---|---|-------------|---------------|-------------------|
| X31  | 320| 270| +0.15 / -0.15 | 175| 6 | 50 | 220| 42| 255| 27.5| 10 | 140         | Male           |