Worm Gear Reducers

Features

1. Aluminum alloy housing with patented heat sink design provides greater surface area and higher thermal capacity than traditional cast-iron housings.

2. Two bearings along the input shaft prevent leaks and contribute to flexibility in mounting. High quality bearings increase reducer life versus worm reducers with a bushing on the input.

3. NEMA and IEC motor inputs available for greater customer flexibility.

4. Double-lip oil seals aid the reducer’s thermal capacity and extended the reducer’s oil life.

5. Use of O-rings on the input flange and output cover prevents leaks more effectively than a paper gasket.

6. Hardened worm shaft gives increased durability versus forged worm shafts.

7. Standard hollow output bore and optional plug-in shafts provide greater flexibility in ordering and reduced inventory.

8. Polyester epoxy paint applied on the inside and outside of the gearcase protects against rust.

9. There is no breather for size 30B to 90B, there is breather for size 110B and 130B. NWM and NWS are universal mounting, sealed for life, maintenance-free reducers.

10. No compression chamber required, preventing leaks and the risk of oil oxidation and contamination, and contributing to mounting flexibility.


12. Aluminum units are prefilled with synthetic oil; cast iron units are prefilled with mineral oil.

Nomenclature

<table>
<thead>
<tr>
<th>NWM</th>
<th>110B</th>
<th>40</th>
<th>180TC</th>
<th>Foot Mount</th>
<th>B3</th>
<th>Torque Arm</th>
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<tbody>
<tr>
<td>Model</td>
<td>Size</td>
<td>Ratio</td>
<td>Input Size</td>
<td>Output Design</td>
<td>Mounting</td>
<td>Accessories</td>
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<tr>
<td>NWM</td>
<td>Aluminum Housing</td>
<td>5</td>
<td>48C</td>
<td>Shaft Mounted standard hollow output bore</td>
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<td>Torque Arm</td>
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<td>15</td>
<td>56C</td>
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<td>63B</td>
<td>20</td>
<td>140TC</td>
<td>Foot Mounted optional single or double plug-in output shaft</td>
<td>B7</td>
<td>Baseplate</td>
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<td>140TC</td>
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<td>B8</td>
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<td>210TC</td>
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