

**UGR Series
Uni-Lift® Worm Gear Reducers**

L2970 Rev. A 04/10

1.0 IMPORTANT RECEIVING INSTRUCTIONS

Visually inspect all components for shipping damage. Shipping damage is **not** covered by warranty. If shipping damage is found, notify carrier at once. The carrier is responsible for all repair and replacement costs resulting from damage in shipment.

2.0 SAFETY



WARNING: Lockout power to electric motor (or other prime mover) before installing the gear reducer or before performing any adjustments, maintenance or repairs. Be certain that the motor cannot be automatically started. Failure to observe this precaution may result in serious personal injury or death!

- Follow appropriate safety precautions to avoid personal injury or property damage during gear reducer installation and operation. Enerpac cannot be responsible for damage or injury resulting from unsafe product use, lack of maintenance or incorrect product and/or system operation.
- Never operate the gear reducer above its rated input speed. Be sure the motor is properly sized for the reducer model being used.
- Stay clear of moving and rotating parts driven by the gear reducer. Install guards as required (See additional information in Section 3.0).
- Contact Enerpac before incorporating Uni-Lift® products into a man lift or other people moving device (special design requirements apply).

3.0 INSTALLATION

- The gear reducer is manufactured by an Enerpac approved supplier. Manufacturer's instructions may be packed inside the shipping carton. If present, read and follow these instructions during installation procedures.
- The gear reducer is designed for use with a NEMA C-Face electric motor (sold separately). Refer to the *Enerpac Uni-Lift® Actuators Catalog #E500* (available from your Enerpac distributor) for detailed electric motor requirements for your gear reducer model.
- Be sure that motor shaft key is properly installed. Check that motor is tightly secured to the gear reducer flange.
- Verify that gear reducer output shafts are properly installed and precisely aligned with connected devices.
- Verify that gear reducer housing is securely bolted to a platform, structural member or other solid support surface.
- Comply with and adhere to all applicable safety codes for your area, such as: building codes, elevator codes, AISC Steel Construction specifications, and applicable regulations and standards (including OSHA Title 29, Chapter 1910-219 and ANSI B15.1). **Note:** Applicable safety codes, regulations and standards will vary depending on country and local requirements.
- Install guards over rotating or moving parts as required.



WARNING: Failure to install guards as required may result in serious personal injury or death.

IMPORTANT: Proper installation of guards over rotating or moving parts is the installer's responsibility. Guards must be installed as needed, and in accordance with all applicable codes and regulations. Guards are not available from Enerpac and must be obtained from other sources or fabricated by the installer.

- Test for proper operation before placing the Uni-Lift® system into service. Check for any indications of misalignment, binding or loose components. Verify proper shaft rotation.
- Contact Enerpac or your Enerpac distributor there are any questions or concerns regarding gear reducer installation or use.

4.0 MAINTENANCE

- Follow the gear reducer manufacturer's recommendations regarding oil changes and routine maintenance. **Note:** Under normal operating conditions, most gear reducer models will not require periodic oil changes.
- Keep the gear reducer clean. Periodically wipe it down to remove any loose dirt or grease.
- Periodically check the area around the gear reducer seals for any signs of oil leakage and/or seal damage.
- Periodically check the gear reducer mounting bolts for tightness.
- If problems such as excessive heat or unusual noises are noticed, stop operation immediately. Determine the cause(s) of the problem and take appropriate corrective action(s) before resuming operation.
- Do not attempt to disassemble the gear reducer. Disassembly, modification or tampering will void warranty. Inspection and repairs should be performed only by an authorized manufacturer's service center.

5.0 WARRANTY

- Gear reducers are covered by the gear reducer manufacturer's standard warranty (Enerpac warranty is NOT applicable).

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All Enerpac products are guaranteed against defects in workmanship and materials for as long as you own them. For your nearest authorized Enerpac Service Center, visit us at www.enerpac.com