

# MOTORIZED A MANUAL ROTATION JIB CRANE

## UNIVERSAL MOTORIZED DRIVE RETROFIT

### Motorize Your Free Standing Jib Crane Applications

Upgrade your present free standing jib crane to maneuver difficult loads with motorized power from Gorbel. The **Retrofit Traction Drive** kit will fit all free standing jibs with box-style head assemblies. Capacities are available from 1/4 ton to 5 tons and spans to 20 feet.

### Traction Drive

When load weight or operation frequency makes manual rotation uneconomical, impractical or unsafe on an existing manual rotation jib crane, you need Gorbel's Retrofit Drive. Gorbel's Retrofit Traction Drive kit gives you that power at a fraction of the cost of a new motorized jib.

The Retrofit drive powers large, heavy-walled rollers. This modular drive unit can be mounted in the box-style head assembly on any brand of jib crane. A specially designed roller surface grips the mast to drive the jib smoothly. Standard rotation speed is 1/2-rpm nominal. Retrofit drives are for indoor applications only.

### Designed for Easy Installation

No matter who made your jib crane, YOU can motorize it easily with the Gorbel® Retrofit Traction Drive kit. The modular drive assembly bolts to the back of the box-style head assembly. The drive roller is easily adjusted to ensure a constant driving force. Controls are completely wired at the factory, and a detailed installation and maintenance manual is included with each kit.

### Quality Tested and Inspected

All Gorbel® Retrofit Traction Drive kits are thoroughly inspected and tested before shipment. Gorbel® products are known and valued everywhere for dependability because we are willing to stand behind, and under, our products 100%.

### Surprisingly Affordable

- 2 year warranty
- Quick, reliable deliveries
- Puts motorized jib crane power at your fingertips



## Retrofit Traction Drive Features

- Structurally reinforced modular drive unit for easy installation on your present jib
- Precision drive assembly with specially designed traction rollers for smooth acceleration
- Drive motor, class "B", 40° C ambient continuous, "C" faced motor meets your most rigorous demands
- Worm gear reducer with oil-bath lubrication for reliable operation and low maintenance
- 1/2-rpm (nominal) rotation is standard
- Spring-loaded tension adjustment for constant roller pressure

## Electrical Features

- NEMA 12 enclosure with control completely assembled, wired and enclosed in the main control enclosure.
- Magnetic reversing starter
- AC mainline contactor (optional on Retro I)
- Thermal-overload protection is in all three phases to protect the rotation motor while running
- Control panel is pre-wired to a terminal strip that is labeled for quick final wiring in the field
- Controls can be set up for 208-230 volt or 460-480 volt, 3-phase, 60 cycle power supply. Contact Gorbel® Customer Service for other available control voltages.
- Control voltage transformer provides 110-volt control power and is fused for operation safety
- Fuse block included for circuit protection



## Options

Contact your local distributor for other options such as variable frequency drives and rotation limit switches.

**How to Order:** Please fill in the dimensions below and submit with your order.

### Retro I (RTD I):

Utilized for 1/4 - 2 ton capacity, 20' max. span.

### Retro II (RTD II):

Utilized for 3 - 5 ton capacity, 20' max. span.

**Sold Only Through Your Authorized Gorbel® Distributor**

