



Industrial Conveyor Specialists

**Installation, Maintenance & Parts Manual
For**

MODEL 610
Hinged Steel Belt Conveyor

to View the Instructional Videos

"Installing a Hinged Steel Belt Conveyor"

<https://youtu.be/HliE9IGVIBM>

"Setting Tension on a Hinged Steel Belt"

<https://youtu.be/7Za3vqVwjvE>



**Titan Conveyors
735 Industrial Loop Road
New London, WI 54961
920-982-6600
800-558-3616
FAX 920-982-7750**

**E-mail: sales@titanconveyors.com
Website: www.titanconveyors.com**

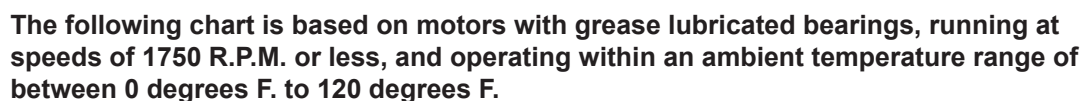
Serial No.



NOTE: Once the belt is threaded around the infeed sprockets, the aid of a hand winch will make pulling the belt up to the discharge much easier.

5. For final connection thread an axle thru the hole provided in the head plate to join the interlocking belt ends. See **FIGURE 4**
6. By using the take-up provided remove excess slack in the belt. Take up each side equally so the belt tracks properly.

1. **CLEANING** - All motors should be kept free of dirt and grease accumulations. Open motors should be periodically vacuumed to remove dust and dirt from the windings.
2. **VENTILATION** - For best results motors should be operated in an area where adequate ventilation is available.
3. **TEMPERATURE** - Most of today's smooth body T.E.N.V. and T.E.F.C. motors run hot to the touch. As long as maximum ambient temperatures are not exceeded, and more importantly, ampere draw is within the allowable range, there should be no need to worry. (Both of these limits are found on the motor nameplate.)
4. **LUBRICATION** - Most electric motors are lubricated for life and under normal conditions require no more lubrication. Under severe conditions where additional lubrication is required, use the following chart as a guide.



CONDITION	LUBRICATING FREQUENCY
Normal 8 hr. day Light Loads	2 to 3 years
Heavy 24 hr. Day Heavy Loads Dirty Conditions	1 Year
Extreme Shock Loads High Temperatures	3 to 6 Months

Chevron Oil Co. - SRI #2
Shell Oil Co. - Alvania #2, Dolium R
Texaco Inc. - Premium RB

Gulf Refining Co. - Precision #2 or #3
Mobile Oil Co. - Mobilux Grease #2
Sinclair Refining Co. - A.E. #2

The following reducer information is concerned primarily with worm gear reducers. If your conveyor is equipped with another type, refer to the manufacturer's recommendations for installation and maintenance sent along at time of shipment.

1. **ASSEMBLE / DISASSEMBLE MOTOR TO REDUCER** - Because many of today's motor keyways are cut with a sidemill cutter, the following assembly instructions should be followed to insure a trouble-free fit between motor and reducer. First, place the key into the reducer keyway. Second, line up the motor keyseat with the key and push the motor shaft into the reducer bore. Third, finish assembly by bolting themotor to the reducer flange. This insures that the key does not slide back in the motor keyseat. See **FIGURE 5**.

