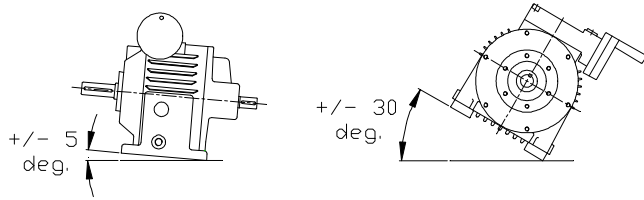


Things To Know About Operations

- ◆ Allowable installation angles



- ◆ Allowable input horsepower

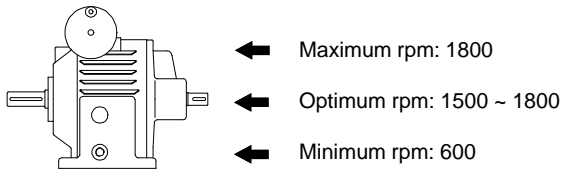
$$\text{allowed} = \text{rated} \times \left(\frac{\text{operating rpm}}{\text{rated rpm}} \right)$$

Example:

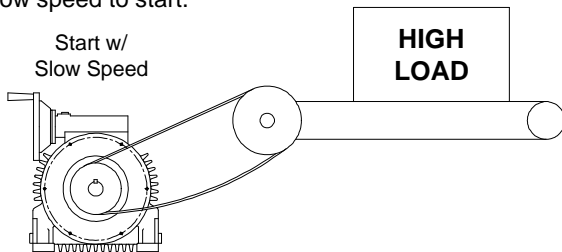
If 1500 rpm is the desired speed for a 1 hp variator, then the allowable input hp into this variator is:

$$\text{allowed} = 1 \text{ hp} \times \left(\frac{1500}{1800} \right) = 0.833$$

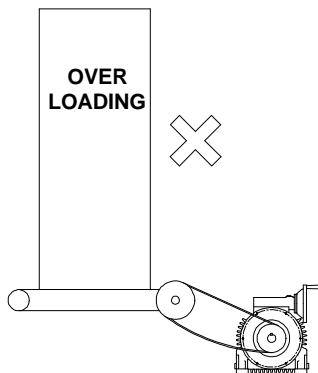
- ◆ 1500 ~ 1800 rpm input is most optimum for the DARALI® Disco Variators. The maximum rpm into the variator must not exceed 1800 rpm. The minimum rpm into the variator is recommended not to fall below 600 rpm.



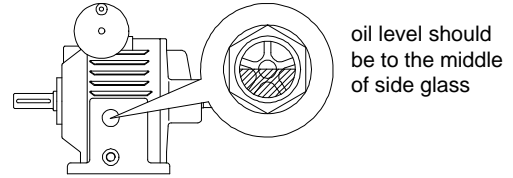
- ◆ When operating under high load condition, please use slow speed to start.



- ◆ Do not run the variator under constant full load conditions. Full load contributes to slippage. Constant slippage can cause the viscous oil film to break down, and excessive heat will build up. Do not operate the variator under the overloading condition. Overloading the variator will cause the planetary discs to fail prematurely or even break.

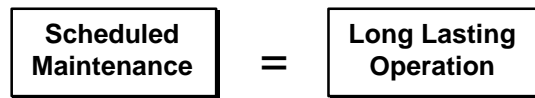


- ◆ Check the oil level before start up. Excessive oil will contribute to higher operating temperature. Insufficient oil will cause premature component wear.

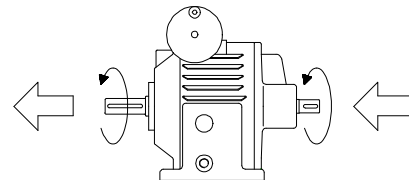


- ◆ The allowable operating ambient temperature is $\leq 120^{\circ}\text{F}$. The maximum allowable temperature rise is 99°F above ambient.

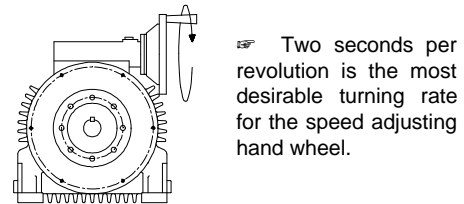
- ◆ The quality of lubrication is crucial to the operation of DARALI® Disco Variators. Change oil according to maintenance schedule.



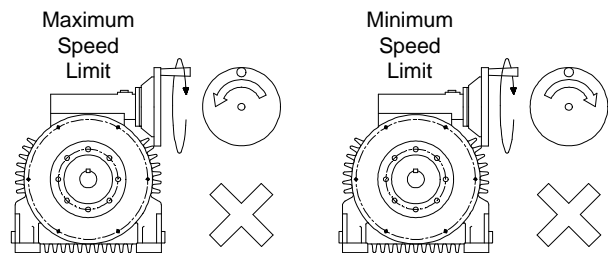
- ◆ Output Speed Direction = Input Speed Direction.



- ◆ Do not turn hand wheel too fast when adjusting speed. The optimum hand wheel turning rate is 2 seconds per revolution.



- ◆ Do not turn the hand wheel when it reaches limit.



- ◆ Do not turn hand wheel when the unit is not running.

