



MINIMUM DOWN-THRUST REQUIREMENT

The motor contains an Extra-High-Thrust bearing arrangement that utilizes preload springs to prevent bearing skidding. In order to properly seat the thrust bearing and unload the guide bearing, the motor must be subjected to at least **3800 lbs** of external down-thrust during all operation, with exception of momentary excursions of reduced down-thrust or up-thrust at startup and/or shutdown. Failure to provide adequate down-thrust may result in premature damage to the motor bearings that would not be covered under warranty.

The pump thrust should be compared to the required motor down-thrust value to ensure that sufficient thrust will be present under all steady-state running conditions (at all anticipated speeds and flow rates). If there are any questions, please contact your US Motors Sales Representative.

The motor will be provided with a caution nameplate indicating the same minimum down-thrust noted above.

Thrust Bearing: **29426**

NIDEC MOTOR CORPORATION
ST. LOUIS, MISSOURI