Ambient Temp – Tritex II AC/DC Linear & Rotatry:

-\(\infty\)^\*C to -40°C \(\rightarrow\) Not Possible
-40°C to -20°C \(\rightarrow\) Requires Tribolube 12T grease.
  First couple strokes must be slow speed. Initial torque will be high.
-20°C to 0°C \(\rightarrow\) Normal Conditions (Use Mobil 28 grease)
0°C to 25°C \(\rightarrow\) Normal Conditions & Battery Life
25°C to 65°C \(\rightarrow\) Must be de-rated according to the elevated temp equation
65°C to \(\infty\)°C \(\rightarrow\) Not Possible

*Tritex electronics prevent it from being used in an environment hotter than 65°C.

Ambient Temp – GSX, GSM, SLM, SLG:

-\(\infty\)^\*C to -40°C \(\rightarrow\) Not Possible
-40°C to -20°C \(\rightarrow\) Requires Tribolube 12T grease.
  First couple strokes must be slow speed. Initial torque will be high.
-20°C to 0°C \(\rightarrow\) Normal Conditions (Use Mobil 28 grease)
0°C to 25°C \(\rightarrow\) Normal Conditions
25°C to 100°C \(\rightarrow\) Must be de-rated according to the elevated temp equation
100°C to \(\infty\)°C \(\rightarrow\) Not Possible

*Stator Temp Cannot Go above 130°C. It will fault.

Ambient Temp Limits – FT, K I:

Standard Seals \(\rightarrow\) -40°C to 100°C
Slider Bocks \(\rightarrow\) 200°C
Bumpers \(\rightarrow\) 100°C
Belt \(\rightarrow\) 85°C

*Belt is the limiting factor. FT, ‘K’, and ‘I’ cannot be used in an environment hotter than 85°C.

Ambient Temp – SV:

-40°C to 70°C \(\rightarrow\) Storage Temp
0°C to 60°C \(\rightarrow\) Operating Temp

Elevated Ambient Temp Equation (%):

\[
\text{Actual Continuous Force} = \sqrt{\frac{130^\circ C - \text{Environment Temp}}{105^\circ C}} \times \text{Catalog Continuous Force Rating}
\]