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

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

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

Ambient Temp – GSX, GSM, SLM, SLG:

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

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

Ambient Temp Limits – FT, K I:

Standard Seals ➔ -40°C to 100°C
Slider Bocks ➔ 200°C
Bumpers ➔ 100°C
Belt ➔ 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 ➔ Storage Temp
0°C to 60°C ➔ Operating Temp

Elevated Ambient Temp Equation (%):

$$\textit{Actual Continuous Force} = \sqrt{\frac{130°C - \text{Environment Temp}}{105°C}} * \textit{Catalog Continuous Force Rating}$$