



MMP BL58-412F-48V GP52-079

Figure 10 is a line graph showing the relationship between CCW Shaft End (°) on the x-axis and Electrical Angle (°) on the y-axis. The x-axis ranges from 0 to 720 degrees with major ticks every 60 degrees. The y-axis represents the electrical angle for six different motor phases: M1+, M3-, M2+, M1-, M3+, and M2-. The graph displays six sinusoidal waveforms, each representing the electrical angle of a specific motor phase as the shaft rotates. The waveforms are vertically offset for clarity. The top waveform (M1+) starts at 0° at 0° shaft angle. The second waveform (M3-) starts at approximately 180° at 0° shaft angle. The third waveform (M2+) starts at approximately 120° at 0° shaft angle. The fourth waveform (M1-) starts at approximately 300° at 0° shaft angle. The fifth waveform (M3+) starts at approximately 60° at 0° shaft angle. The bottom waveform (M2-) starts at approximately 240° at 0° shaft angle. All waveforms have a period of 360 degrees on the shaft angle axis.



++ All Peak Torque values are dependent upon duty. Contact our sales office for details.

NOTES:

- email: sales@midwestmotion.com**