



Merkle-Korff Industries[®]

A Kinetek Company[®]

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DC APPLICATION SPECIFICATION SHEET

Date: _____

Company: _____ **Contact:** _____
Address: _____ **Part or Drawing Number:** _____
 _____ **Estimated annual Usage:** _____
Phone # : _____ **Fax # :** _____ **E-Mail:** _____

Application:

- a. Customer Application _____
- b. What mechanism is the motor driving in the application _____
- c. New Existing If existing, who is current supplier? _____ Is unit available for test? Yes No
- d. Are there any problems or concerns with the existing supplier's motor? _____

Performance Requirements:

- a. Rated Voltage _____ b. Voltage Range: _____
- c. Output torque est. by Select one d. Start Torque _____ Select one e. Run Torque _____ Select one
- f. RPM at No Load _____ g. RPM at Load _____ h. Will gearmotor be stalled? Yes No

Environment:

- a. Ambient Temp. _____ b. Humidity Level _____ c. Altitude _____
- d. Full Enclosure _____ e. Degree of Ventilation _____ f. Corrosives _____
- g. Anything else we should know about the location of our motor within the application? _____

Duty Cycle/ Life: < 25% 25% 50% 75% Continuous Other Define Other _____

- a. Standard Duty Cycle _____ **ON** Select one _____ **OFF** Select one
- b. Most Demanding _____ **ON** Select one _____ **OFF** Select one
- c. Minimum Life Required _____ in cycles _____ in hours **Note: both required**
- d. For Reversing Applications, what is minimum time off between reversals? _____

Power Supply:

- a. Rated Voltage _____ b. Maximum Current Limit _____ c. Is the supply filtered? Yes No
- d. Supply Type Select one _____ Frequency _____ kHz

Overhung Load?: Yes No How Much? _____ lbs. Distance from mounting surface _____

Axial Thrust Load: Yes No How Much? _____ lbs. Select one

Output Shaft Requirements:

- a. Shaft OD _____ b. Direction of rotation Select one Viewed from: Select one
- c. Shaft detail Flat Tongue Woodruff Key Hole Keyway Slot
- d. Extension from mounting surface _____ Cover Side _____ Motor Side _____

Feedback Requirements:

Yes No
Encoder Hall Effect Optical 1 Channel _____ 2 Channels _____ Marker Pulse _____ PPR _____

Agency Requirements/ Marking: UL CSA RoHS Other If other, please list _____

Sound/ Vibration Requirements: _____ Method of Test _____

Gear Box Selection: Do you require a particular Merkle-Korff Style gearbox or may we select? _____

EMI/ RFI Considerations:

- a. EMC Directive/ Harmonized Standards Applied _____
- b. Type of motor enclosure Select one

Mounting Position: Indicate orientation in your application as shown below

