



# Merkle-Korff Industries®

A Kinetek Company®

## AC APPLICATION SPECIFICATION SHEET

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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. Frequency Hz: 50 , 60 , or 50/60
- d. Output Torque Est. by \_\_\_\_\_ Select one e. Start Torque \_\_\_\_\_ Select one f. Run Torque \_\_\_\_\_ Select one
- g. RPM at No Load \_\_\_\_\_ h. RPM at Load \_\_\_\_\_ i. Will gearmotor be stalled? Yes  / No

### Environment:

- a. Ambient Temp. \_\_\_\_\_ b. Humidity Level \_\_\_\_\_ c. Other \_\_\_\_\_
- d. Full Enclosure \_\_\_\_\_ e. Degree of Ventilation \_\_\_\_\_ f. Corrosives \_\_\_\_\_
- g. Anything else we should know about the location of our motor in 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? \_\_\_\_\_

### Braking Requirements: Is a brake required? ( Yes No )

- a. Allowable overrun in degrees \_\_\_\_\_ b. Will brake hold a load? Yes  No  c. If so, how much? \_\_\_\_\_ in-lbs

**Overhung Load?** ( Yes  No  ) How Much? \_\_\_\_\_ lbs. Distance from mounting surface \_\_\_\_\_

**Axial Thrust Load:** ( Yes  No  ) How Much? \_\_\_\_\_ lbs. Push In  Pull Out  Both

### Output Shaft Requirements:

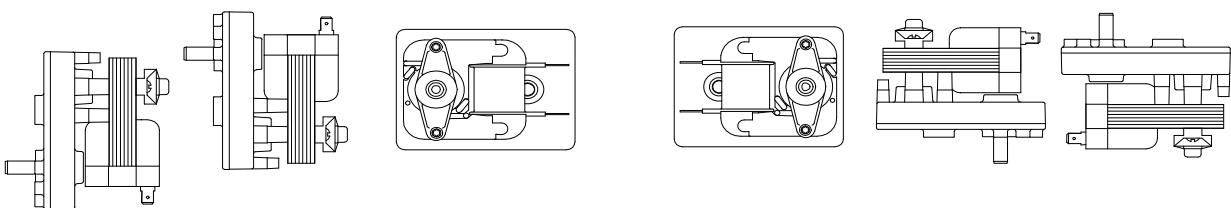
- a. Shaft OD \_\_\_\_\_ b. Direction of rotation ( CW  CCW  ) Viewed from Cover Side  Motor side
- c. Shaft Detail Flat  Tongue  Woodruff Key  Hole  Keyway  Slot
- d. Extension from mounting surface Cover Side \_\_\_\_\_ Motor Side \_\_\_\_\_

**Agency Requirements:** UL  CSA  CE  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? \_\_\_\_\_

**Mounting Position:** Indicate orientation in your application as shown below:       Select one      



"A"

"B"

"C"

"D"

"E"

"F"