



"The Right Control  
 For Your Application"

**KBBC ENGINEERING INQUIRY FORM (EIF)**

Company \_\_\_\_\_ Date \_\_\_\_\_  
 Address \_\_\_\_\_ Prepared By \_\_\_\_\_  
 \_\_\_\_\_ Phone \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ Fax \_\_\_\_\_  
 Contact \_\_\_\_\_ E-Mail \_\_\_\_\_

This form has been prepared to assist you in supplying us with the basic information required to select a motor control for your application. The performance of the selected control will depend on the completeness of the information supplied. Most applications will require a motor sample for proper matching of control and motor.

**1. Product Information:**

New Product: Yes  No   
 Current Drive Supplier: \_\_\_\_\_  
 Estimated Vol/Yr: \_\_\_\_\_  
 Description of Machine: \_\_\_\_\_  
 Type of Load: Friction  Tension  Pump   
 Air Moving  Inertial  Overhauling

**2. Required Performance:**

Speed Range: \_\_\_\_\_  
 Desired Load Regulation \_\_\_\_\_ (%) Base Speed  
 Load Variation:  
 A. Almost Constant Load   
 B. Moderate Load Regulation   
 C. Load Varies from Almost Zero to Full

**3. Motor Information:**

Manufacturer: \_\_\_\_\_  
 Model Number: \_\_\_\_\_  
 PM  Series Wound  Other   
 Base Speed(RPM) \_\_\_\_\_ Gear Box Ratio \_\_\_\_\_  
 Name Plate Amps DC \_\_\_\_\_ HP \_\_\_\_\_  
 Service Factor \_\_\_\_\_ Frame \_\_\_\_\_

**4. Control Setup:**

12V  24V  36V  48V   
 Wig Wag Pot  Single End Pot   
 Max % of Fwd Speed \_\_\_\_\_ 0-100% (100%)  
 Max % of Rev Speed \_\_\_\_\_ 0-100% (100%)  
 Brake Output  Delay \_\_\_\_\_ .1-5 Sec (1 Sec)  
 Fwd Accel \_\_\_\_\_ 1-10 (.5) Sec Rev Accel \_\_\_\_\_ 1-10 (.5)  
 Fwd Decel \_\_\_\_\_ 1-10 (.5) Sec Rev Decel \_\_\_\_\_ 1-10 (.5)  
 Signal Following  0.3-2.3 VDC Fwd  2.5-5 VDC Rev  
 High Pot Disable  (must reset signal to zero before control will start)  
 CL Setting \_\_\_\_\_ Amps DC 150-200% of FLA

**5. Control Requirements:**

Space Availability (L x W x H) \_\_\_\_\_ Ambient Temperature \_\_\_\_\_  
 Jogging: Yes  No  Jog Speed \_\_\_\_\_  
 Braking: Yes  No  Reversing: Yes  No  Main Speed Pot: Yes  No  Voltage Following: Yes  No   
 UL  cUR (CSA)  CE  Other \_\_\_\_\_  
 RFI Suppression: Yes  No  KBRF-200A  
 Hardware Required: Knob: Yes  No  Dial Plate: Yes  No  Harness Length: \_\_\_\_\_  
 Conformal Coating: Yes  No

**6. Comments:** Please provide whatever additional comments you may have to help us match our control to your application.