



**ISL Products International Ltd.**

Manufacturers of Value-Added Components

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## **Motor & Gear Motor Selection Tool**

The list below will help ISL Products understand your motor or gear motor application requirements. We use the information that you provide to help offer the best solution for your application.

For additional help, please contact your [Local Rep](#) or email ISL Products at [info@islproducts.com](mailto:info@islproducts.com). You can also upload relevant specs and enter this information electronically via our website [Inquiry Form](#).

### **Motor / Gear Motor Specs**

**Voltage:** Do you need AC or DC voltage? What voltage do you need your motor to run at?

**Speed (RPM):** Does the application have high or low speeds? Are the speeds continuous or varying?

**Power (W):** What are your wattage requirements? If using a control, do you have amperage limitations?

**Torque (in-lb or Nm):** Do you need high start or stall torque? What are your running torque requirements?

**Duty Cycle:** Will your motor be operating continuously or in short bursts with time to cool down in between?

**Life Expectancy:** How long of a life does your motor need (expressed in cycles)?

**Frequency:** Do you need to operate at 60 Hz, 50 Hz or both 50/60 Hz?

**Current (Efficiency):** Does the overall efficiency or current draw need to be under a certain value?

**Control:** Will your application need to vary speeds? What type of control will you need?

### **Application Requirements**

**Mounting/OP Shaft Orientation:** How is the motor mounted within the application? Shaft Orientation & Style?

**Package Size:** Is there a size or weight restriction within your application that the motor must meet?

**Noise (dB):** Is noise an important factor in your application or industry?

**Special Requirements:** Do you need special lubrication, bearings, sub-assembly, gears/pulley/cams/lead wires, etc.?

**Agency Approvals:** Are there any agency approvals your application must meet—UL, CE, RoHS, CSA or others?

**IP Rating:** Will the motor need protection from the elements, harsh environment—dust and water?

**Temperature:** What is the ambient temperature of the application's environment?