



## Electric Motors: Information Needed for Quotes

### To Replace Existing Motor –

Please provide image of the name plate of the existing motor.  
We usually can make an offer based on this information.  
We may have to ask for additional details.

### To Size a New Motor –

1. What is a brief description of how the motor will be used?
2. How many motors are needed?
3. What is the motor RPM needed?
4. What is the motor Torque needed?
5. What is the power supply available?  
Provide: Volts, Hertz and Phase or VDC Voltage
6. What is the NEMA frame size? (National Electrical Manufacturers Association)  
Determines the configuration for mounting the motor to the equipment  
Specifies the shaft and bolt pattern and other details

### NEMA Frame Size Reference Table

7. What is the NEMA Classification for the motor?

TENV	Totally Enclosed Non Ventilated
ODP	Open Drip Proof
TEFC	Totally Enclosed Fan Cooled
Etc.	

### See NEMA Electric Motor Type Reference

8. What is the required IP (Ingress Protection) or NEMA Enclosure for the Motor?

### IngressProtection(IP) Rating Reference Chart

or

### NEMA Enclosure Reference Chart

9. Is the motor to be Explosion Proof? What is the NEMA (US) or ATEX (Europe) rating?

ATEX: Rating

or

[NEC: Explosion Proof Ratings: Class, Division and Group](#)

10. What is the temperature range that the motor will be operating in?

11. Where are the motors needed so we can offer shipping costs?