

Safety & Environment Considerations

Give special attention to safety and environment considerations, especially during the installation phase. They will lay a solid foundation to ensure a quality installation and reliable operation of a repaired or replacement motor.

Safety

When preparing to remove or install a motor, put safety first. Wear appropriate personal protective equipment (PPE). Follow applicable electrical codes for wiring, disconnect and emergency stop requirements. Lock out and tag out all potential energy sources before working on the motor. Use safe lifting methods appropriate to the motor's size and weight.

Environment

To ensure adequate cooling, keep the motor's operating environment free of dirt and debris. Verify that heated air isn't recirculated to its air inlet. If necessary, provide an external source of filtered air of sufficient volume.

Isolate the motor from external vibration whenever practical.



Protective guards

Once installation and alignment have been completed and verified, place protective guards on all exposed rotating equipment to assure safe, dependable operation.

Learn More

For more considerations regarding the installation process, see EASA's materials on:

- Basic system considerations
- Motor foundation & base
- Motor data & verification
- Electrical connections
- Safety & environment considerations
- Alignment & vibration

Content adapted from EASA's "Getting The Most From Your Electric Motors." Access the full publication at go.easa.com/electricmotors.