

Motors

- ◆ Properly size to the load for optimum efficiency.
(High efficiency motors offer of 4 - 5% higher efficiency than standard motors)
- ◆ Use energy-efficient motors where economical.
- ◆ Use synchronous motors to improve power factor.
- ◆ Check alignment.
- ◆ Provide proper ventilation (For every 10 oC increase in motor operating temperature over recommended peak, the motor life is estimated to be halved)
- ◆ Check for under-voltage and over-voltage conditions.
- ◆ Balance the three-phase power supply. (An imbalanced voltage can reduce 3 - 5% in motor input power)
- ◆ Demand efficiency restoration after motor rewinding. (If rewinding is not done properly, the efficiency can be reduced by 5 - 8%)