



Compare Capacitor Bank and Single Capacitor

Advantages of Single Capacitor at Load end

- Improved motor performance
- Reduced voltage drop in the line
- Easier to select proper rating of capacitor as per motor HP
- Reduce line losses

- Increases system capacity
- The capacitor cannot cause problems during light load conditions
- Motor always operates with capacitor, no need of separate switch for capacitor
- More flexible
- Most economical
- Low installation cost

- Practical for large number of motors

Capacitor bank Installation in the Substation

- Lower cost per kVAR
- Plant power factor improved
- Reduce kVAR charges in the electricity bills
- Automatic switching of capacitor bank

- Eliminated over voltage
- Higher cost
- Less flexible
- Higher installation and maintenance cost

Thank You
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