



Standard Voltages, Loadings and Phase Balance

Central Lincoln's standard electric service is single or three-phase, 60 hertz alternating current at standard voltages listed as follows:

| <u>VOLTAGES</u> | <u>NO. OF PHASES AND WIRES</u> | <u>AVAILABILITY AND COMMENTS</u> |
|-----------------|---|---|
| 120 | 1 - phase 2 - wire | Generally available (See 1 & 2 below) |
| 120/240 | 1 - phase 3 - wire | Generally available (See 3 below) |
| 120/240 | 3 - phase Delta 4 - wire | Available at locations specified by Central Lincoln (See 4, 5 & 7 below) |
| 120/208 | 3 - phase Wye 4 - wire | Available at locations specified by Central Lincoln (See 3 & 7 below) |
| 277/480 | 3 - phase 4 - wire | Available at locations specified by Central Lincoln (See 5 & 6 below) |
| Over 480 | 3 - phase 3 - wire or 3 - phase 4 - wire | Consult Central Lincoln |

Customers desiring other special delivery voltage should consult Central Lincoln as to availability.

STANDARD LOADINGS AND PHASE BALANCE

1. Customer's 1-phase, 120 volt load must be balanced within 10 percent on 120/240 volt, 3-wire services. On 3-phase services, the 3-phase load must be balanced within 10 percent on the 3 lines.
2. The maximum connected load allowable on 1-phase, 120 volt, 2-wire services is 6,000 watts. No individual piece of electrical equipment may be over 2,500 watts.
3. The maximum connected load on 1-phase, 120/240 volt, 3-wire service may not exceed 250 KW without our prior approval.
4. For both 3-phase overhead and underground service, the preferred voltage is 3-phase 120/208 volt, 4-wire, where such service does not interfere with our 120/240 volt system. Central Lincoln has the option to serve 3-phase 120/240 volt in such cases.
5. If a 3-phase line is available, Central Lincoln will supply 3-phase service for a minimum power load of 7½ horsepower. For three-phase service to less than 7½ horsepower in any one motor or appliance, the customer must contribute the cost of excess Central Lincoln facilities.
6. Central Lincoln will not supply 480 volt service to loads of less than 100 KW unless the customer contributes the cost of the 480 volt transformers.
7. Central Lincoln will not supply 120/208 or 120/240 volt service to new loads greater than 500 KW estimated demand.