

RULE K  
CUSTOMER'S LOAD AND  
OPERATIONS

1. Interference with Service. The Company reserves the right to refuse to supply loads of a character that may seriously impair service to any other Customers, or may disconnect existing service if it is seriously impairing service to any other Customers. In the case of pump hoist or elevator motors, welders, furnaces, compressors, and other installations of like character where the use of electricity is intermittent, subject to voltage fluctuations, voltage notching or draws a nonsinusoidal (harmonically distorted) load current, the Company may require the Customer to provide equipment, at the Customer's expense, to reasonably limit such fluctuations.

2. Practices and Requirements for Harmonic Control. Customers are required to comply with the *Practices and Requirements for Harmonic Control in Electric Power Systems* as set forth in the current Institute of Electrical and Electronic Engineers (IEEE) Standard 519. The values indicated by IEEE Standard 519 apply at the point where the Company's equipment interfaces with the Customer's equipment.

3. Change of Load Characteristic. The Customer shall give the Company prior notice before making any significant change in either the amount or electrical character of the Customer's electrical load thereby allowing the Company to determine if any changes are needed in the Company's equipment or distribution system. The Customer may be held liable for damages to the Company's equipment resulting from the Customer's failure to provide said notice of change in electrical load.

4. Protection of Electrical Equipment. The Customer is solely responsible for the selection, installation, and maintenance of all electrical equipment and wiring (other than the Company's meters and apparatus) on the load side of the Point of Delivery. The Customer should provide adequate protection for equipment, data, operations, work and property under the Customer's control from system disturbances such as (a) high and low voltage, (b) surges, harmonics, and transients in voltage, and (c) overcurrent. For unidirectional and three-phase equipment, the Customer should provide adequate protection from "single phasing conditions", reversal of phase rotation, and phase unbalance.

5. Motor Installations. The Company reserves the right to refuse single phase service to motors larger than 7 ½ horsepower.

a. Motor Connection. All motor installations greater than 7 ½ horsepower (HP) must be approved by the Company to determine how the motor's connection will affect the Company's system. Changes to Company facilities necessary to address the effects of, but not limited to, flicker, voltage balance, voltage level, or reactive power may be at the Customer's expense.

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(Continued)

5. Motor Installations (Continued)

b. Allowable Motor Starting Currents. The starting currents (as determined by tests or based on published data by manufacturers) of alternating current motors will not exceed the allowable locked rotor current values shown in the following table, corrections being allowed to compensate for the difference between the voltage supply at the motor terminals and its rated voltage. If the starting current of the motor exceeds the locked rotor current value indicated by the table below, a starter must be used or other means employed to limit the starting current to the locked rotor current value specified, except that such starting equipment may be omitted by written permission of the Company where the absence of such starting equipment will not cause objectionable voltages. Maximum permissible locked rotor current values in the following table apply to a single motor installation. Starters may be omitted on the smaller motors of an installation consisting of more than one motor when their omission will not result in a current in excess of the allowable locked rotor current of the single largest motor of the group.

Allowable Locked Rotor Currents*						
Rated Size HP	Single-Phase Motors		Three-Phase Motors			
	208 Volt	240 Volt	208 Volt	240 Volt	480 Volt	Over 480 Volt
	Starting Amps Allowed					
7.5	127	110				
10			163	141	71	
15			227	197	99	
20			288	250	125	
25			351	304	152	
30			415	360	180	
40			438	380	190	
50			462	400	200	
60			554	480	240	
75			692	600	300	
Over 75						

\*Note: If no value is shown, Company approval of the locked rotor current is required prior to motor installation.