

Technical Data

Dimensions: Nema 1 Enclosed Filters

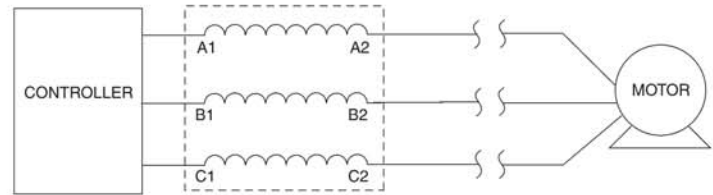
Catalog Number	Type	H x W x D
RL-00202C thru RL-01203C7	Wall	8 x 8 x 6 inches
RL-01803C thru RL-04503C	Floor	13 x 13 x 13 inches
RL-05513C thru RL-20013C	Floor	24 x 17 x 17 inches
RL-25013C thru RL-75013C	Floor	30 x 24 x 24 inches

Nema 1 Enclosures

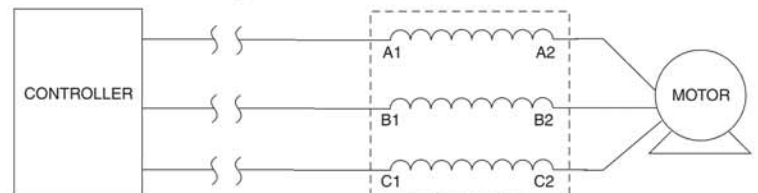


Connection Diagrams

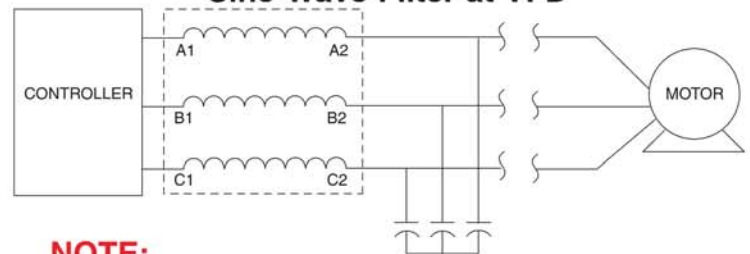
5% Impedance Reactor at VFD



5% Impedance Reactor at Motor



Sine-Wave Filter at VFD



NOTE:

Sine-Wave Filters should be installed and wired as close to the inverter as possible. Many of the reactors used in sine wave filters are specially optimized for this duty and are not standard RL type.

When not to use Sine-Wave Filters:

- When switching (carrier) frequency cannot be “fixed” and set to 5KHZ or higher.
- When fundamental motor frequency exceeds 60 Hz.
- When using shielded motor cables.
- When selection table does not indicate an offering at the desired ratings.
- When output circuit has unusually high capacitance.
- When motors do not meet the characteristics identified in NEMA standard MG-1, part 30 or part 31.
- With more than one motor per filter.
- In-line with drive bypass. The bypass must be wired in such a manner that the filter (as well as all other MTE components) are isolated and removed from the circuit in the bypass mode.

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