Application information: MDrive AC models

Conditions of acceptability

When used in end-product equipment, the following are among the considerations to be made:

1. The temperature tests were conducted with the device's face mounted to an aluminum heat sink For devices with the frame designation 34, the dimensions for the heat sink were 10" x 10" x ¼". ˜e shaft was also provided with aluminum wheels, approximately 4" in diameter and ¼" thick.
2. These devices are intended for installation in a Pollution Degree 2 (controlled) environment. Suitability of the 2. spacings shall be considered in end use application.
3. The enclosure of this device is intended as the final end use enclosure.
4. These devices do not provide motor overload protection, or motor over-temperature protection. The need for motor overload protection and/or over-temperature protection shall be determined in the end product.
5. Based on ratings less than 1 hp and no provisions for motor overload protection, these devices have not been subjected to the short circuit test. ˜is test shall be considered in the end-product investigation.

Electrical ratings

Model	**Input ratings**				
	Voltage (VAC)	Continuous Current (A)	Peak Instantaneous Current (A)	Phase	Frequency (Hz)
MxxxMxx34x1	120	0.8	4.2	1	50/60
MxxxMxx34x2	240	0.4	2.1	1	50/60

x - Represents model part number nomenclature which does not effect the device's electrical ratings

Thermal recommendations

Testing was conducted in a 40°C ambient environment. Worst case recommendations are 90°C motor case temperature and 75°C heat sink temperature.

Exclusions

MDrive 34 AC models with a rear motor shaft extension, i.e. models with a Control Knob, are excluded from UL Recognition.

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