

APPLICATION NOTE	FECA-AN-110
Considerations When Using Mega with NEMA-1 Kit	

Inverter type	FRENIC-Mega
Software version	All versions
Required options	NEMA-1 Kit
Related documentation	MEHT536, INR-SI47-1457-E
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Introduction

There are a few things to consider when installing a NEMA-1 Kit option on a Mega drive. This Application Note is intended to provide information and precautions regarding this option. *All notes below apply to the specified Mega LD drive ratings with the NEMA-1 kit option installed.*

1. Limitations on Installation of Option Cards

For models up to and including 40HP, only ONE option card may be installed at a time. Any card may be installed in any port (A, B, C, and according to the limitations for each card), but no more than one may be installed at the same time.

2. De-Rating of Output Current

For 230V models 10-40HP, output current is reduced to the following ratings:

- 10HP - 29A
- 15HP - 42A
- 20HP - 55A
- 25HP - 68A
- 30HP - 80A
- 40HP - 107A

3. De-Rating of Ambient Temperature

For models up to and including 40HP, maximum ambient temperature is 40°C (104°F). For models 50HP and above, maximum ambient temperature is 50°C (122°F).

4. Parameter Setting H98

For all models, change bit 7 of parameter H98 to "1". To do this, add 128 to the value currently stored in H98 (decimal). For example, the default value is 83, so 83+128=211.

Disclaimer

This note is intended to provide information related to the use of the Mega drive with NEMA 1 Kit option. It is in no way intended to replace the User's Manual (MEHT536) or Instruction Book (INR-SI47-1457-E). For further and more detailed information, please refer to either the User's Manual or the Instruction Book.