

Frequently Asked Questions

BEFORE YOU CALL

If technical help is required, please have the following information when calling:

- Model number of unit
- Serial number of unit
- Name of original equipment supplier (if available)
- Record the line voltage
- Record the DC Bus voltage immediately after the AC voltage
- Brief description of the application
- Drive and motor HP or kW
- kVA rating of power source
- Source configuration and grounding

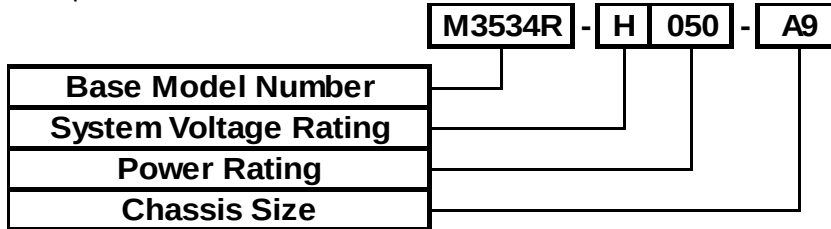
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Frequently Asked Questions

1) What is the part number breakdown for the M3534?

Example of Part Number Breakdown



BASE MODEL NUMBER

The Base Model Number for all Ride-Thru modules in this series rated for 2 second operation is **M3534R**. The Base Model Number for all Ride-Thru modules in this series rated for 60 second operation is **M3534B**.

SYSTEM VOLTAGE RATING

The M3534 is available in several input voltage ratings. This rating is indicated by a code as shown

System Voltage Rating Codes

RATING CODE	NOMINAL VOLTAGE (AC LINE / DRIVE BUS)
L	230VAC / 325VDC
E	380-415VAC / 540-585VDC
H	460VAC / 650VDC

POWER RATING

The Power Rating indicates the maximum power in kilowatts that can safely be handled by the M3534 and is represented by a 3-digit value based on the nominal DC system voltage rating and the maximum output current rating of the M3534. For instance, the rating code for a 50kW M3534 is **050**.

CHASSIS SIZE

Four open type chassis sizes are indicated by a code as shown in Table 2-2. This chassis size is determined by the current rating of the unit.

Chassis Size Codes

CHASSIS SIZE CODE	DIMENSIONS (H x W x D)	M3534R	M3534B
A5	18.6" x 5.1" x 9.4"	20A	-
K7	20.0" x 7.4" x 10.3"	40A	-
K9	20.0" x 9.1" x 10.3"	-	40A
A9	22.1" x 8.7" x 10.3"	85A	-

Frequently Asked Questions

2) What are the voltage ratings for the M3534?

RATING CODE	NOMINAL VOLTAGE (AC LINE / DRIVE BUS)
L	230VAC / 325VDC
E	380-415VAC / 540-585VDC
H	460VAC / 650VDC

3) What is the operating temperature of the M3534?

The operating temperature of the M3534 is 0 to +40°C.

4) What are the display options for the M3534?

The two display options are the DP10 analog and the DD4 digital display.

5) How do you vary the DC Bus Threshold Setting?

Whenever the output DC bus voltage drops below the DC bus threshold voltage setting, the M3534 becomes active to regulate the DC bus to the set point voltage.

If the DC Bus Threshold is set too low, the attached drive may trip on an undervoltage fault.

If the DC Bus Threshold is set too high, then minor power disturbances, such as line notching or high harmonics that would not normally cause the drive to have problems may cause the M3534 to become active when there is no need.

Generally, the DC Bus Threshold Voltage should be set at 10% below the nominal DC bus level. The recommended voltage setting is:

$$VDC = VAC * \sqrt{2} * 0.9$$