

Frequently Asked Questions

BEFORE YOU CALL

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

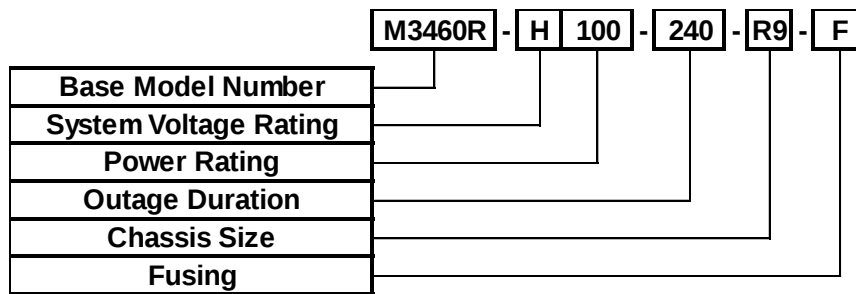
- Model number of unit
- Serial number of unit
- Name of original equipment supplier (if available)
- Record the line voltage
- Record the DC Bus voltage immediately after the AC voltage
- Brief description of the application
- Drive and motor HP or kW
- kVA rating of power source
- Source configuration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

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Frequently Asked Questions

1) What is the part number breakdown for the M3460?



BASE MODEL NUMBER

The Base Model Number for all Ride-Thru modules in this series rated for 2 second operation is **M3460R**. The Base Model Number for all Ride-Thru modules in this series rated for 4-15 minute operation is **M3460B**.

SYSTEM VOLTAGE RATING

The M3460 is available in several input voltage ratings. This rating is indicated by a code as shown

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 M3460 and is represented by a 3-digit value based on the nominal DC system voltage rating and the maximum output current rating of the M3460. For instance, the rating code for a 100kW M3460 is **100**.

OUTAGE DURATION

The Outage Duration indicates the amount of time (in seconds) the M3460B module is able to hold the DC bus at the threshold level while loaded to the rated current. This duration is directly represented by a 3-digit value. For example, **240** in this position represents 240 seconds (4 minutes) of Outage Duration.

This code is omitted on M3460R models.

CHASSIS SIZE

Four open-backplate 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 CODE	DIMENSIONS (H x W x D)	3460R	3460B
R10	28" x 16" x 14"	85-127A	85A
R9	34" x 16" x 14"	170A	127-170A
R11	44" x 16" x 14"	255-425A	-
R2	52" x 24" x 14"	-	255-340A

Frequently Asked Questions

FUSING

The M3460R comes with internal fusing. This code is omitted on all M3460B models and M3460R models if internal fusing is not desired.

2) What are the General Specifications of the M3460R?

PARAMETER	SPECIFICATION
Input AC Voltage	208 – 480 VAC
Input DC Voltage	200 – 585 VDC
Output DC Voltage	265 – 650 VDC
DC Bus Current Rating	85 – 425 ADC
Power Rating	25 – 250kW
Inactive Power Consumption	<200W
Duty Cycle (Full Load)	1%
Sag/Outage Duration	2 seconds
Enclosure Rating	Open
Operating Temperature	0 to +40°C
Storage Temperature	-20 to +65 °C
Humidity	Below 90% non-condensing
Atmosphere	Free of corrosive gas and conductive dust

3) What are the General Specifications of the M3460B?

PARAMETER	SPECIFICATION
Input DC Voltage	200 – 540 VDC
Output DC Voltage	265 – 650 VDC
DC Bus Current Rating	85– 340 ADC
Power Rating	25 – 200kW
Inactive Power Consumption	<200W
Duty Cycle (Full Load)	1%
Sag/Outage Duration	4 minutes at full power or 15 minutes at 50% power
Enclosure Rating	Open
Operating Temperature	0 to +40°C
Storage Temperature	-20 to+ 65 °C
Humidity	Below 90% non-condensing
Atmosphere	Free of corrosive gas and conductive dust

4) What is the operating temperature of the M3460?

The operating temperature of the M3460 is 0 to +40°C.