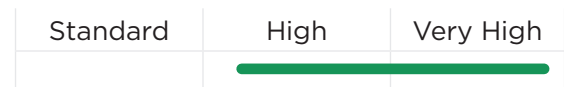
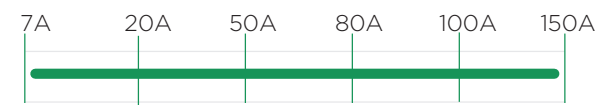
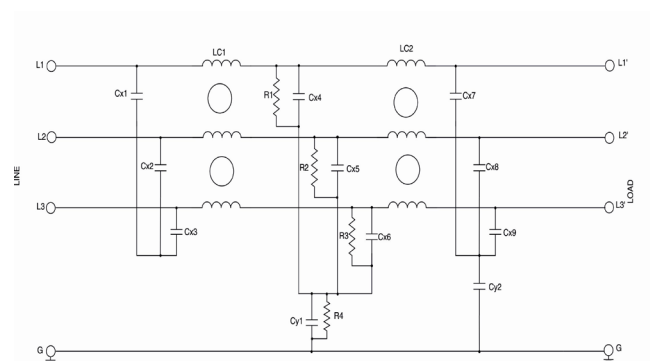



**Features:**

- 3 Phase filters for drives/invertors
- Compact/Light Weight
- Bookshelf Design
- High Performance
- 7A to 150A Current rating

**Applications:**

- AC/DC Drives
- Wind Turbine
- Fuel Cells
- Elevators


**Performance Indicator**

**Rated current [A]**

**Typical circuit Diagram**

**DATA SHEET**
**THREE PHASE EMI FILTER - MF423 3 3D BS**
**Description**

These series range of dual stage three phase high performance filters with book shelf design is designed for motor drive applications requiring minimum space and convenient installation with superior performance at significant interference levels.

**Technical Specifications:**

Maximum Continuous Operating Voltage	: 440/520VAC
Operating Frequency	: 50/60 Hz
Current ratings	: 7A to 150A @ 40°C
High Potential test voltage	: L to G 2660Vdc for 1 Minute L to L 1950Vdc for 1 Minute
Overload Capability	: 135% of Rated current for 15 minutes
Design Corresponding to	: UL 60939-3, CSA 22.2 No.8-13 and IEC60939-1&2
Flammability corresponding to	: UL 94 V-0
Temperature range	: -25°C to +85°C
Climatic Category	: 25/85/21

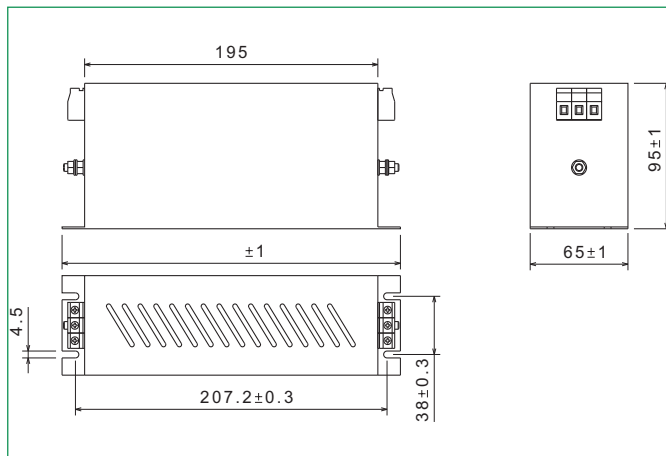
## Ordering Information

Model Number	Part Number (for 440VAC)	Part Number (for 520VAC)	Rated Current @40°C	Typical Drive power rating (440VAC ) (kw)	Leakage current (mA)	Termination 	Weight (Kg)
MF 423 3 3D BS	E100090-2	E100773-2	7A	4	10	4	1
MF 423 3 3D BS	E100090-3	E100773-3	16A	7.5	10	4	1.3
MF 423 3 3D BS	E100090-4	E100773-4	30A	15	10	4	1.8
MF 423 3 3D BS	E100090-5	E100773-5	42A	22	15	10	1.8
MF 423 3 3D BS	E100090-6	E100773-6	55A	30	15	10	2.3
MF 423 3 3D BS	E100090-7	E100773-7	75A	37	15	16	2.3
MF 423 3 3D BS	E100090-8	E100773-8	100A	55	15	25	4
MF 423 3 3D BS	E100090-9	E100773-9	120A	73	15	50	5
MF 423 3 3D BS	E100090-10	E100773-10	150A	90	15	50	5

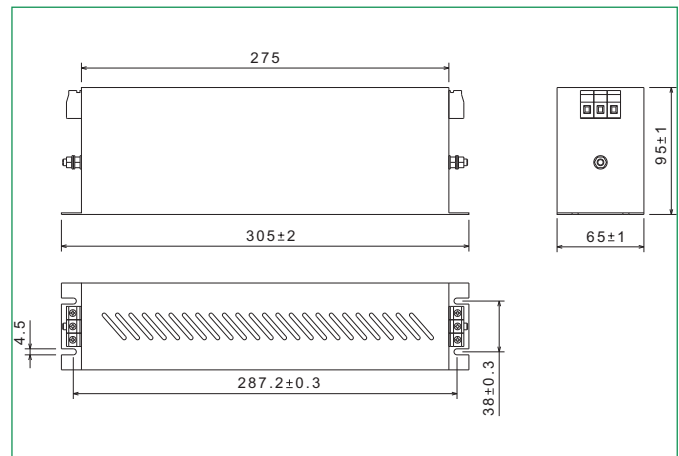
Filters with 520VAC are not covered under NEMKO.

## Mechanical Drawing:

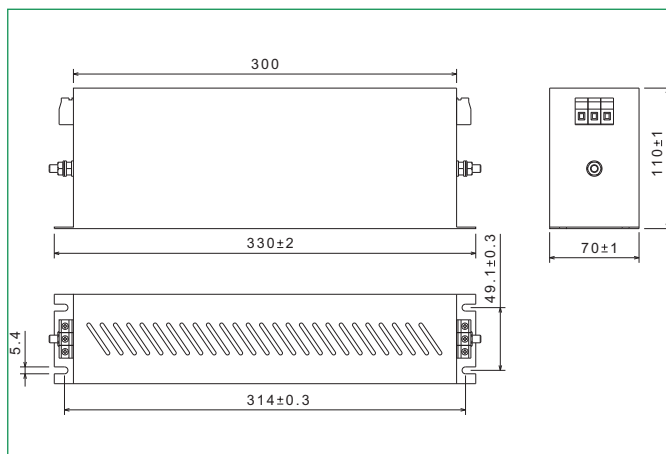
### 7A



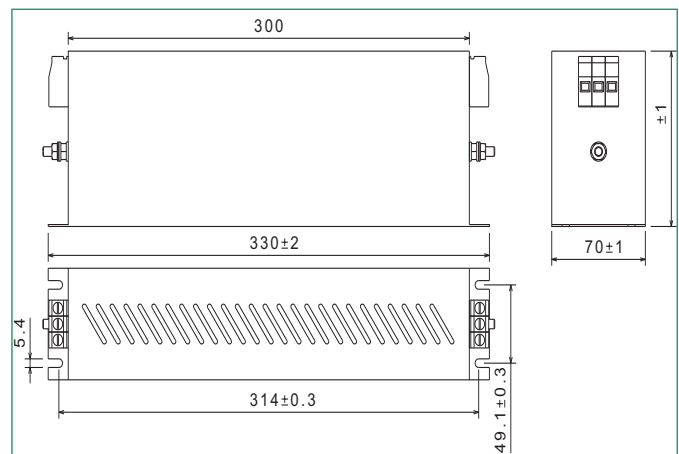
### 16A



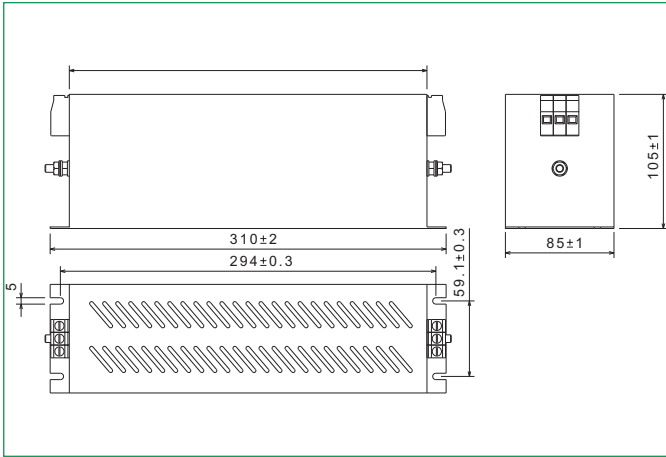
### 30A



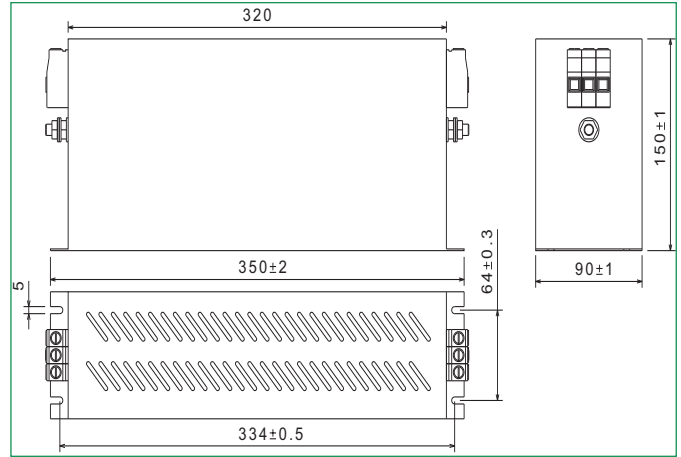
### 42A



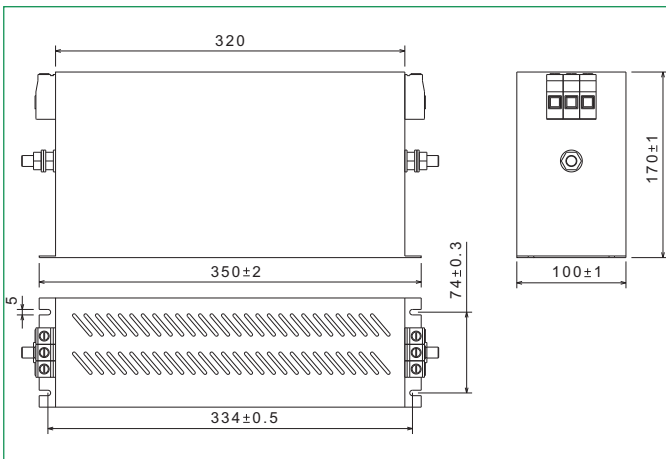
55A



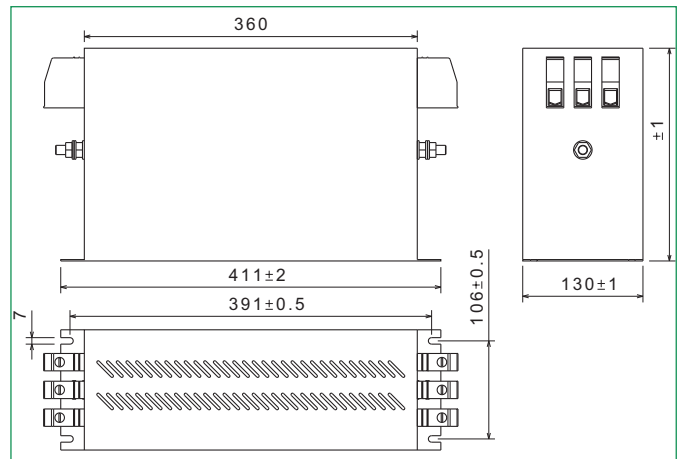
75A



100A



120A-150A



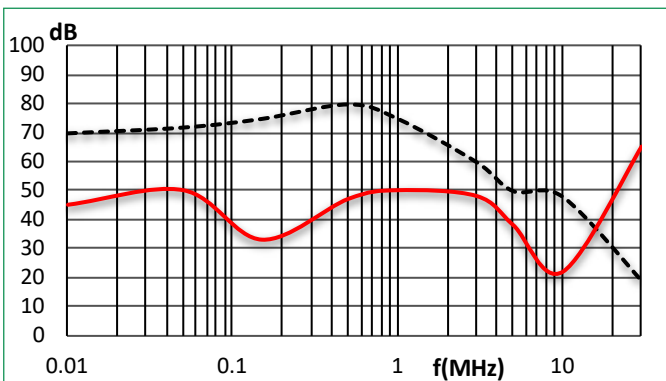
Connectors Cross Sections

	4	10	16	25	50
Wire Section (mm <sup>2</sup> )	4mm <sup>2</sup>	10mm <sup>2</sup>	16mm <sup>2</sup>	25mm <sup>2</sup>	50mm <sup>2</sup>
Wire Section (AWG)	12AWG	8 AWG	6 AWG	4 AWG	1/0 AWG
Wire Stripping	Max 10mm	Max 13.5mm	Max 17mm	Max 17mm	Max 20 mm
Max Recommended Torque	0.5 Nm / 4.5 in.lbs	1.2 Nm / 10.8 in.lbs	2-2.2 Nm / 18-19.8 in.lbs	2 Nm / 18 in.lbs	6 Nm / 54 in.lbs

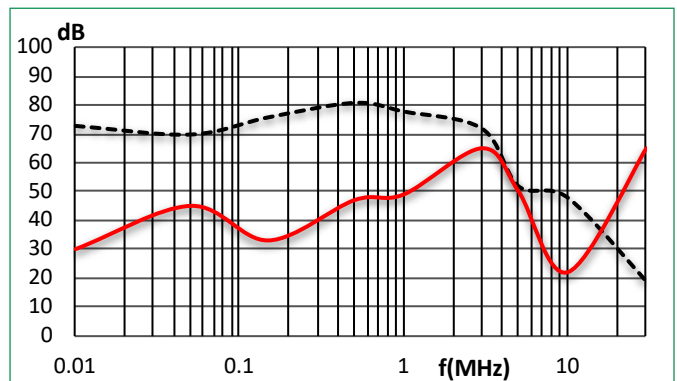
Insertion Loss : ..... Common mode \_\_\_\_\_ Differential Mode

Per CISPR 17; DM=50/50 sym; CM=50/50 asym

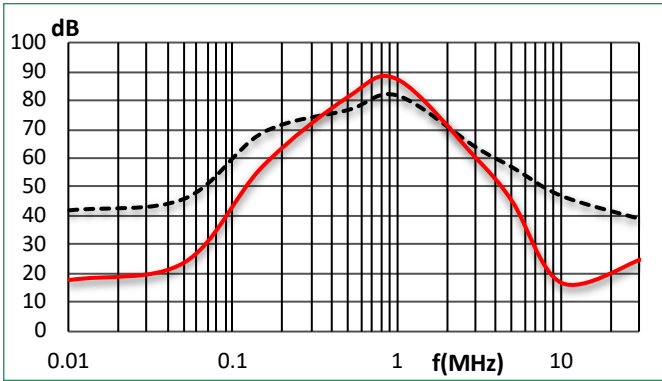
7A



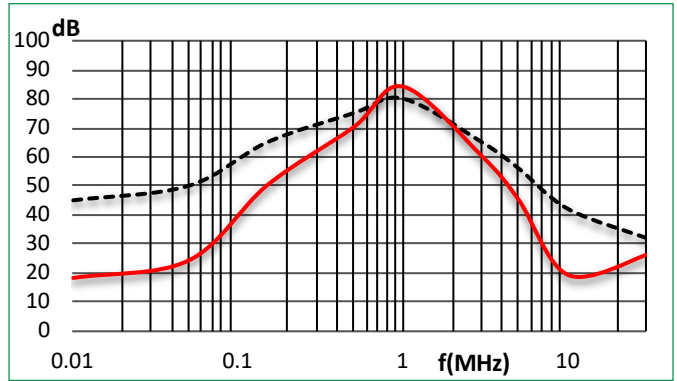
16A



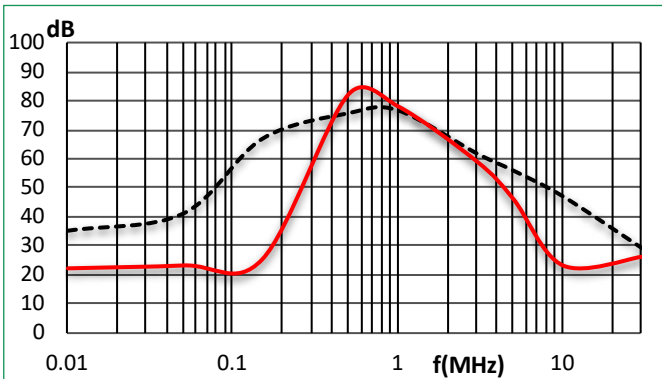
### 30A



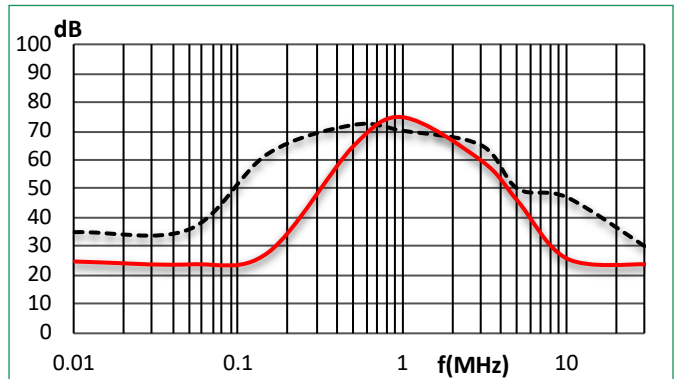
### 42A



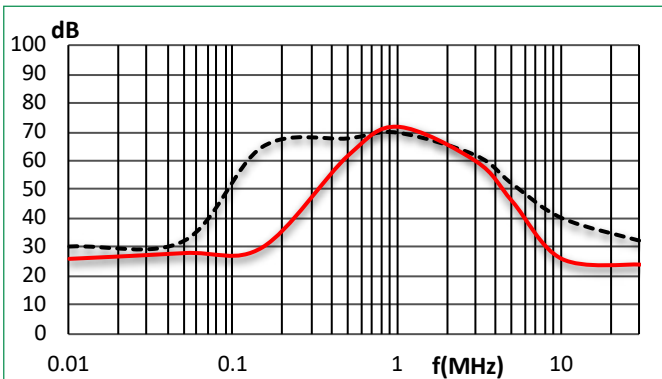
### 55A



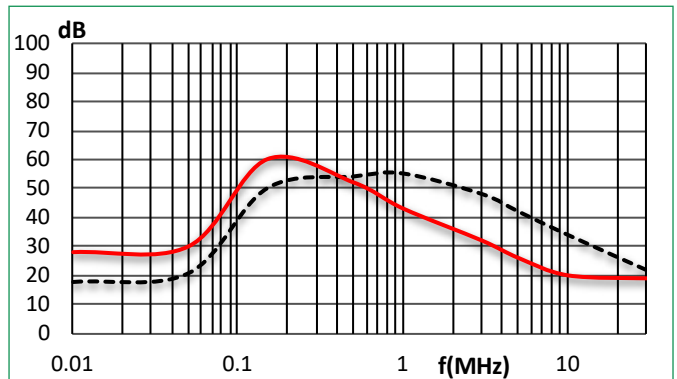
### 75A



### 100A



### 120A



### 150A

