

The PE 3200 Series Compact Unit EMC/RFI Filters with safety terminal protective cover for Three-phase systems



PE 3200



Description :

- Compact unit, economic solution for industrial inverters and motor drives.
- Rated current from 5A to 200A.
- Low leakage current, two stage LCR filter circuit.
- Optional available plastic screw terminal protective cover for filters, to protect the installer, operator or inspector from undeliberate touching of live conductors. They can easily be retrofitted even if the filter is already installed and connected

Typical Applications :

- Three-phase motor drives
- Inverters and converters
- Switch Mode Power Supply (SMPS)
- Servo drives
- UPS

Electrical Schematic:

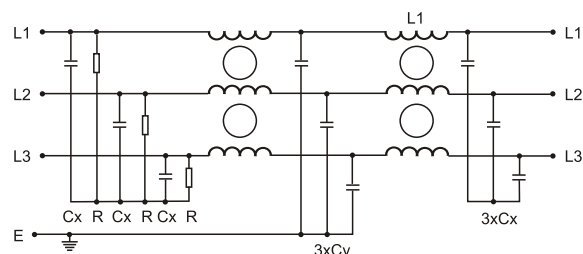


Fig 1

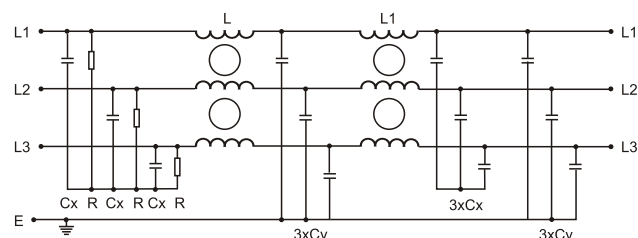




Fig 2

Specification :

Rated Voltage:	275/480 VAC
Rated Current:	5A~200 A
Operating Frequency:	50/60 Hz
Temperature range:	HPF 40/085/21
Test Voltage (1min):	
Line to Ground:	2250 VDC
Line to Line:	1500 VDC

Filter Selection Table :

Filter	Rated Current	Rated Voltage	Leakage Current	Input/Output Connections		Electrical Schematic	Dimension
	(A)	(V)	(mA)				
PE3200-5-01	5	275/480	1		01	1	1
PE3200-10-01	10	275/480	1		01	1	1
PE3200-16-01	16	275/480	1		01	1	1
PE3200-20-06	20	275/480	2	06		1	2
PE3200-25-06	25	275/480	2	06		1	2
PE3200-35-06	35	275/480	2	06		1	3
PE3200-50-06	50	275/480	2	06		1	3
PE3200-65-06	65	275/480	2	06		1	3
PE3200-80-06	80	275/480	4	06		2	4
PE3200-100-06	100	275/480	4	06		2	4
PE3200-130-06	130	275/480	4	06		2	4
PE3200-160-06	160	275/480	4	06		2	4
PE3200-200-06	200	275/480	4	06		2	5

Maxium leakage under normal operating conditions.

Note: if two phases are interrupted, worst case leakage could reach 7.7 times higher levels.

Mechanical Dimension:

(Unit:mm)

All dimensions in mm; 1 inch=25.4mm

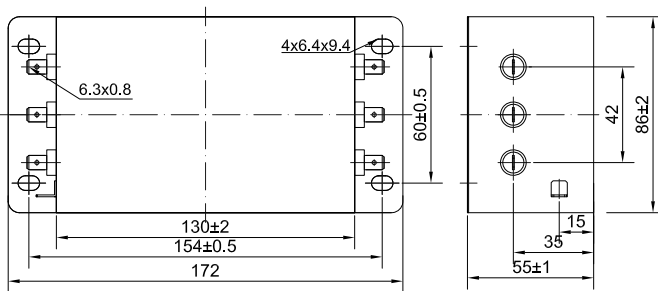


Fig 1

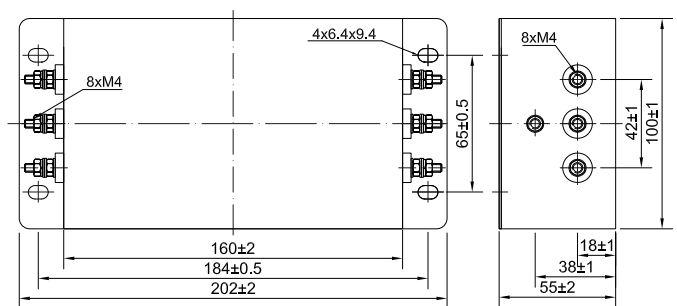


Fig 2

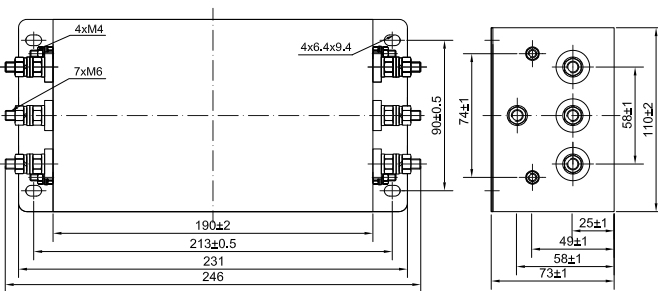


Fig 3

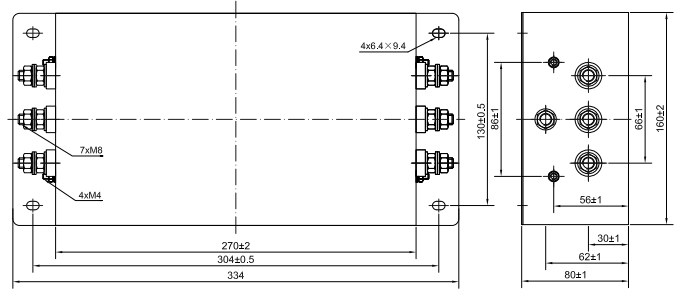


Fig 4

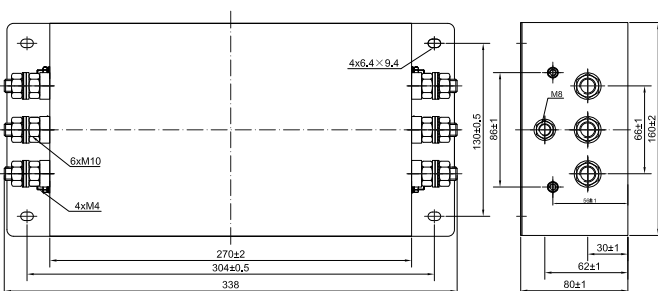
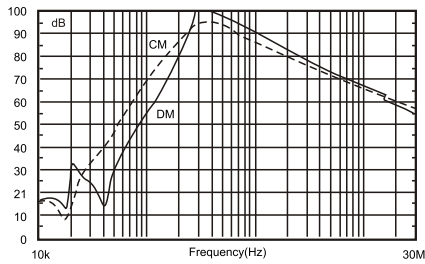


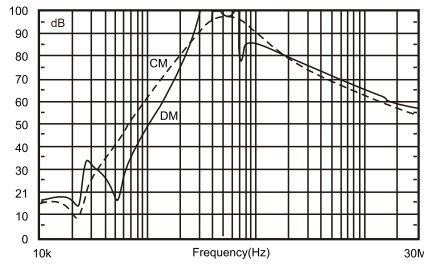
Fig 5

Insertion Loss in dB:

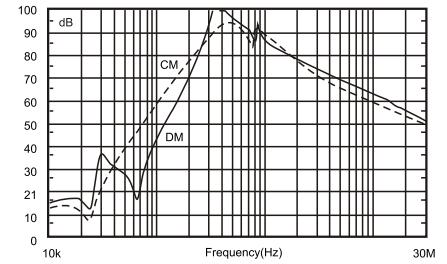
(Measured in 50Ω system, as IEC/CISPR NO.17)



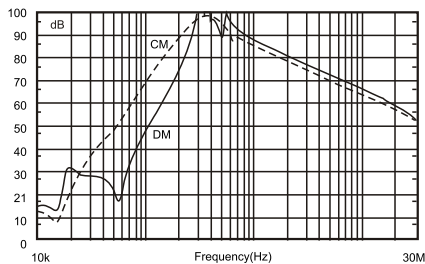
5A



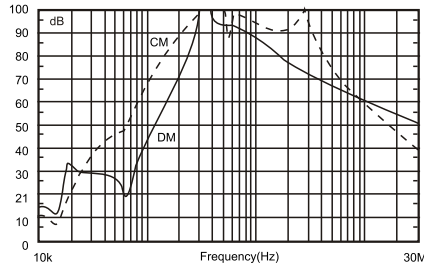
10A



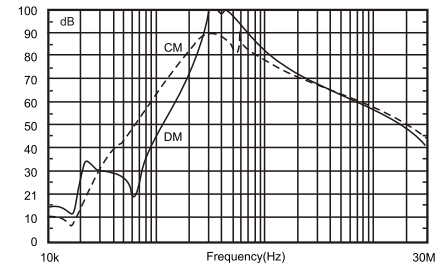
16A



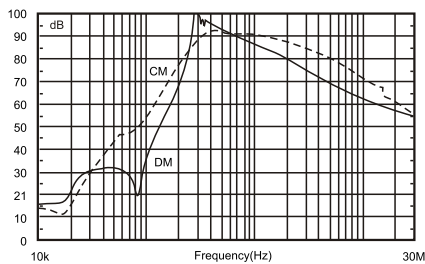
20A



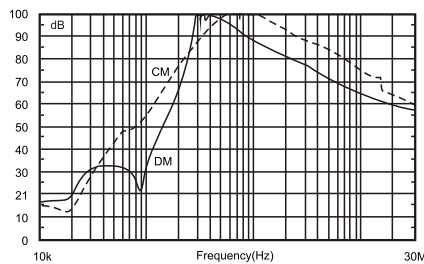
25A



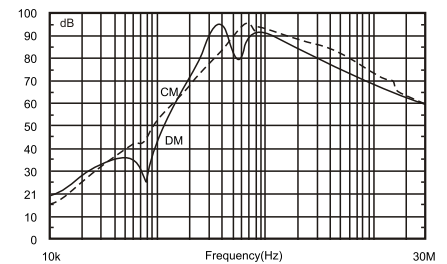
35A



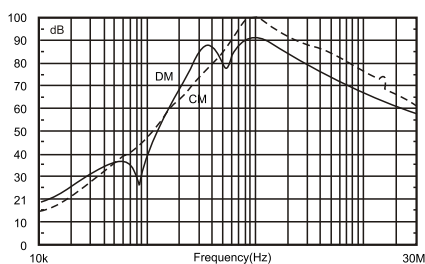
50A



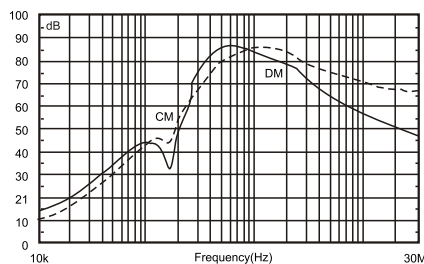
80A



100A



130A



160A/200A

----- Differential Mode
—— Common Mode