

ETCO

THREE PHASE + NEUTRAL EMC-EMI FILTER
NOISE SOLUTION

www.electrotavan.com





ETCO Three phase + Neutral EMC/EMI Filter



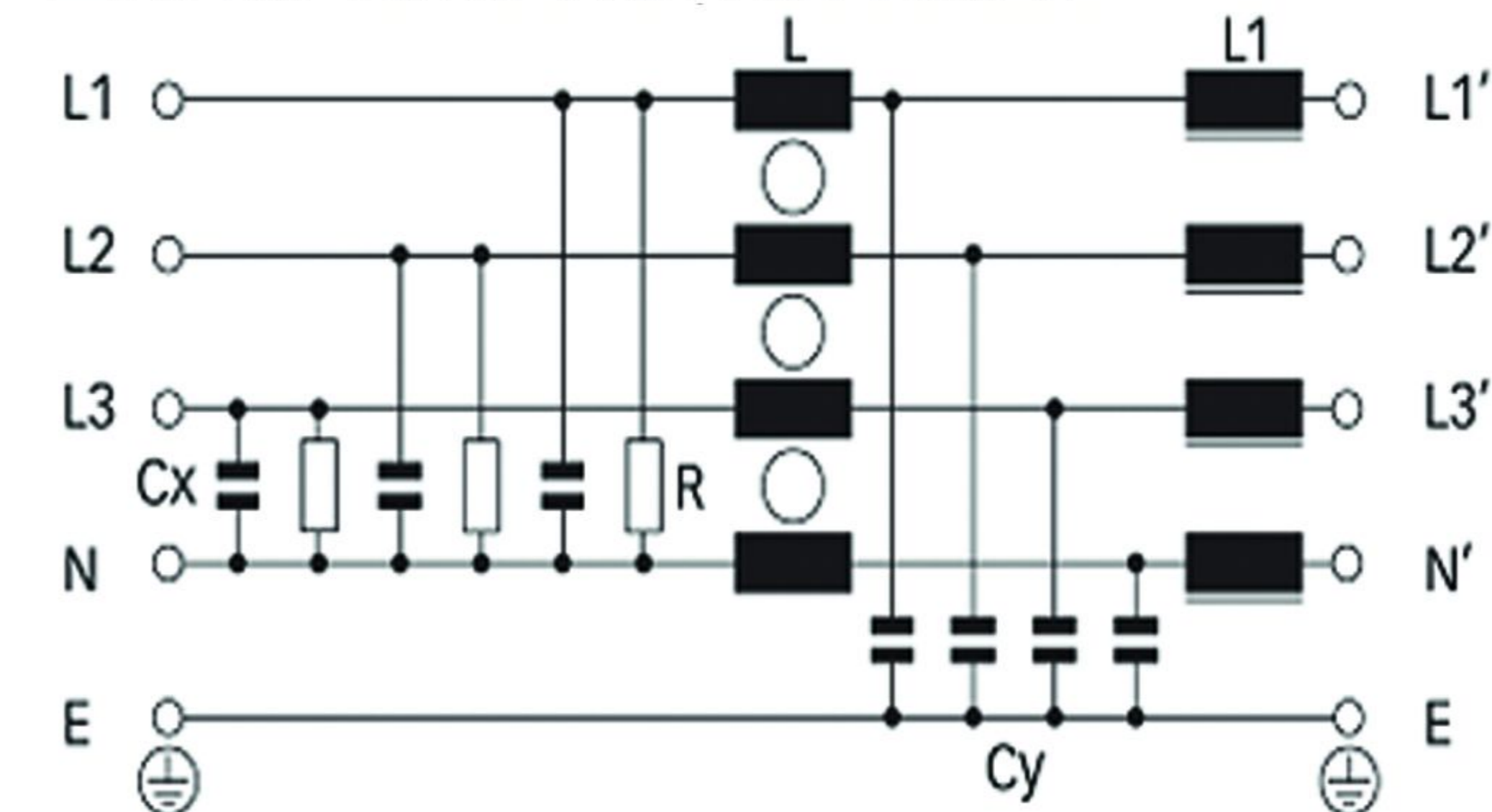
Technical specifications

Continuous Operating Voltage	380 – 440 -520 VAC
Rated current	10 – 1200 A
Operating Frequency	50/60 Hz
Best Noise Frequency Attenuation range	100 KHz to 50 MHz
Protection category (IP)	IP20
Temperature range	-20 to +85 C
Overload capability	1.2x rated current for 1 minute,
Transient Voltage (T.V)	2000 V
Design corresponding to	UL 1283 , CSA 22.2 No.8 1986
MTBF @ 45C	150,000 Hours

Applications

- Applications requiring high-frequency attenuation
- Power supplies
- Office and data processing equipment
- MRIs and X-ray equipment
- Medical equipment
- Elevators and Escalators

Electrical schematic

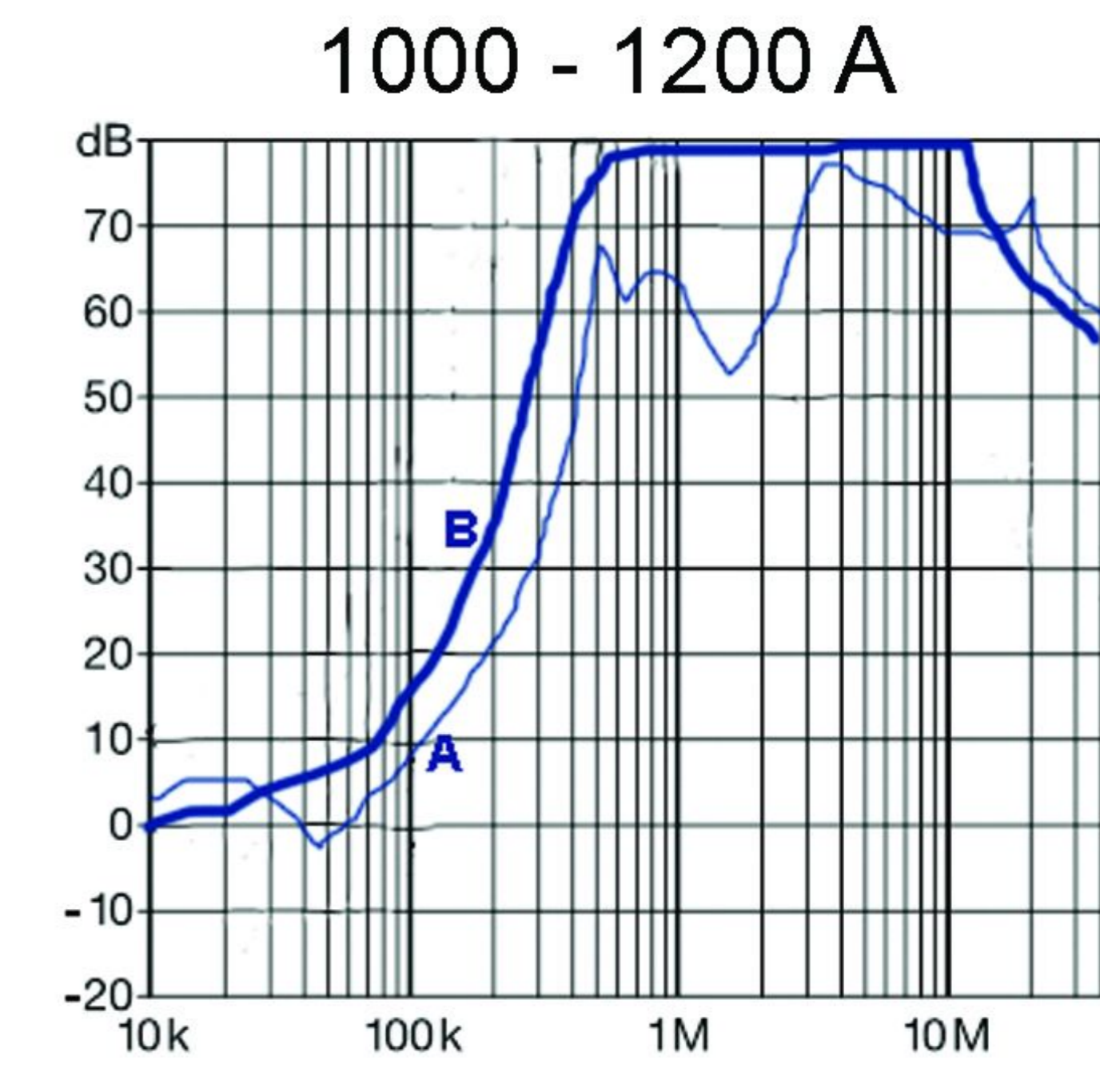
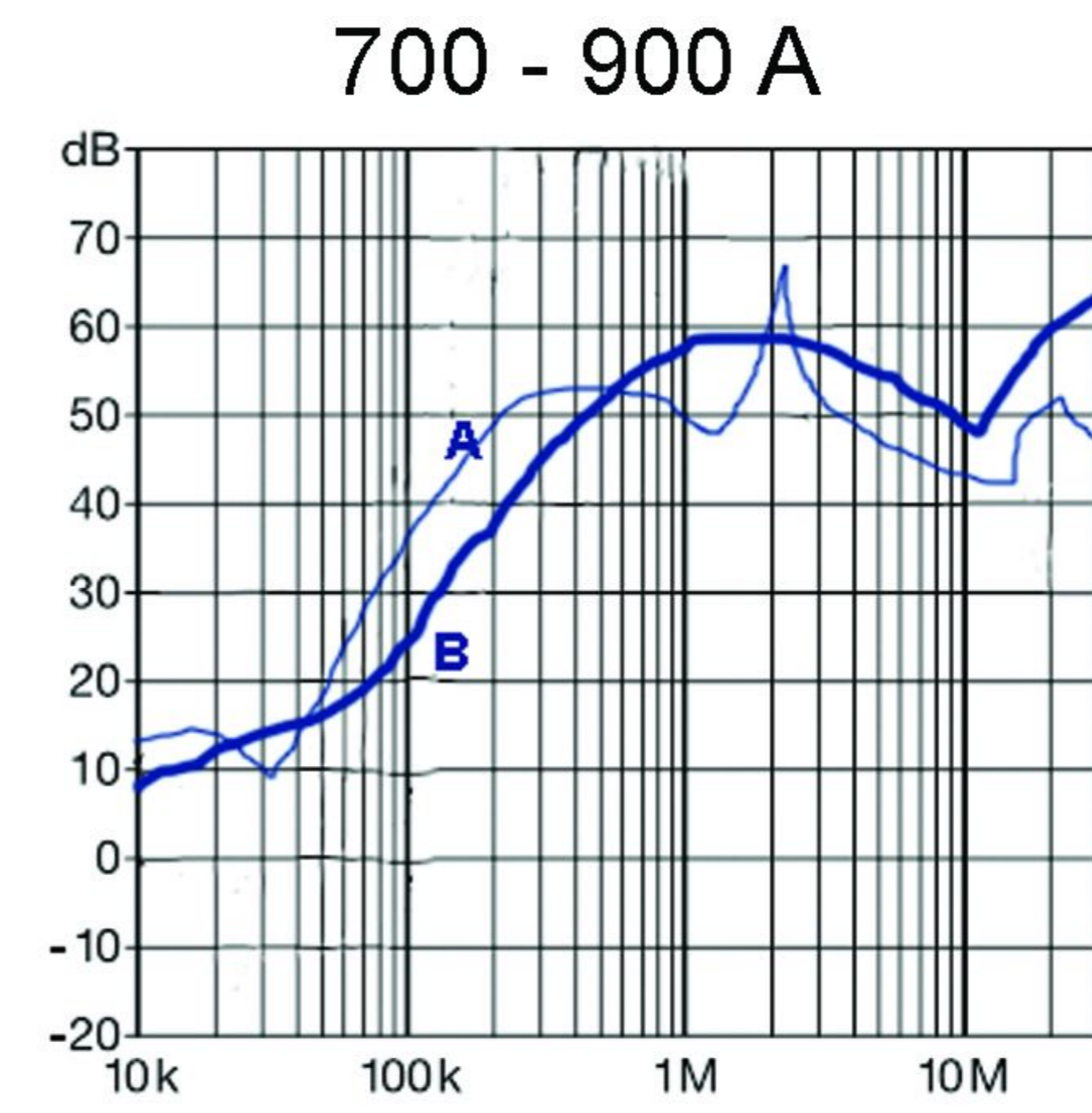
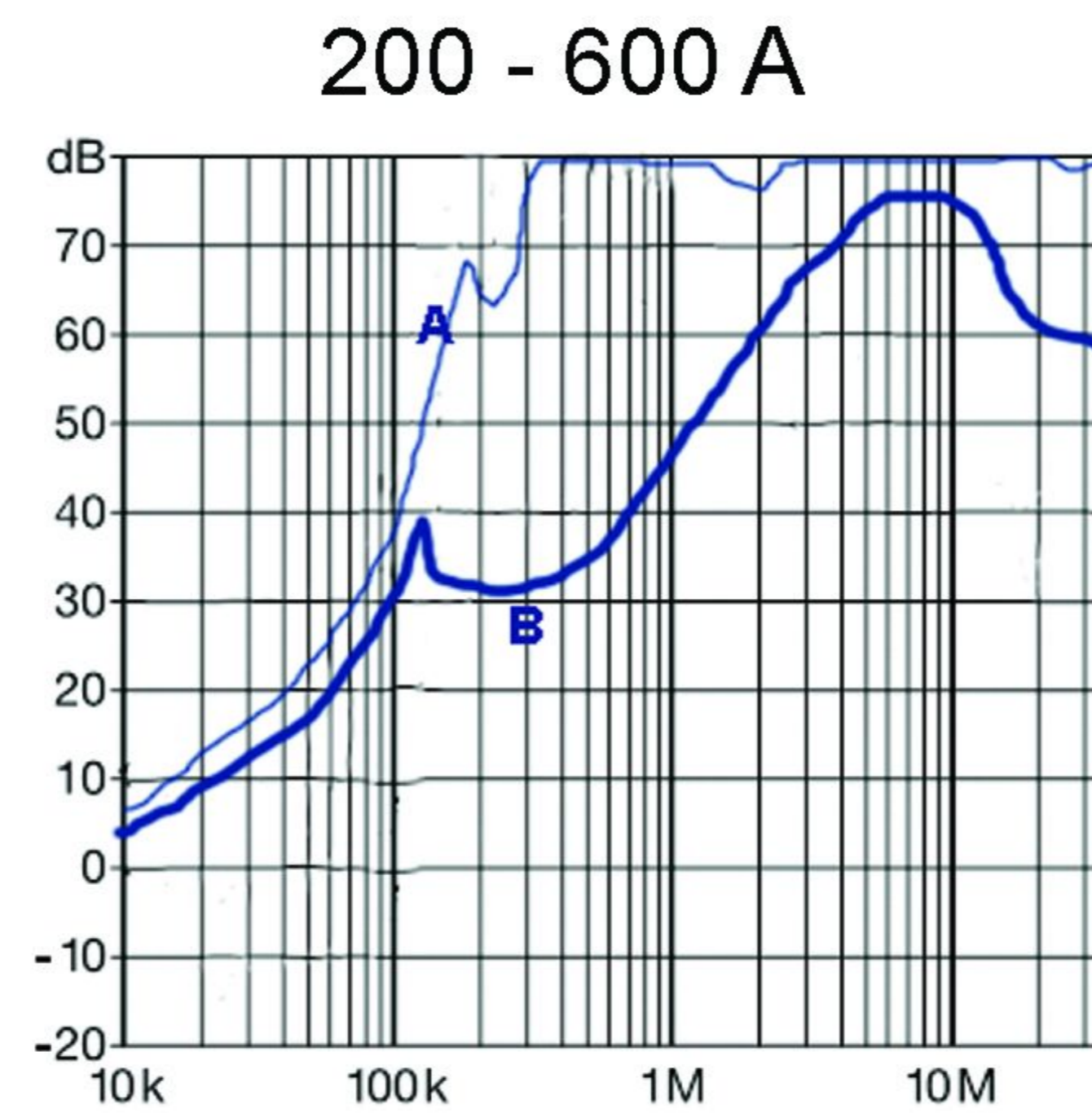
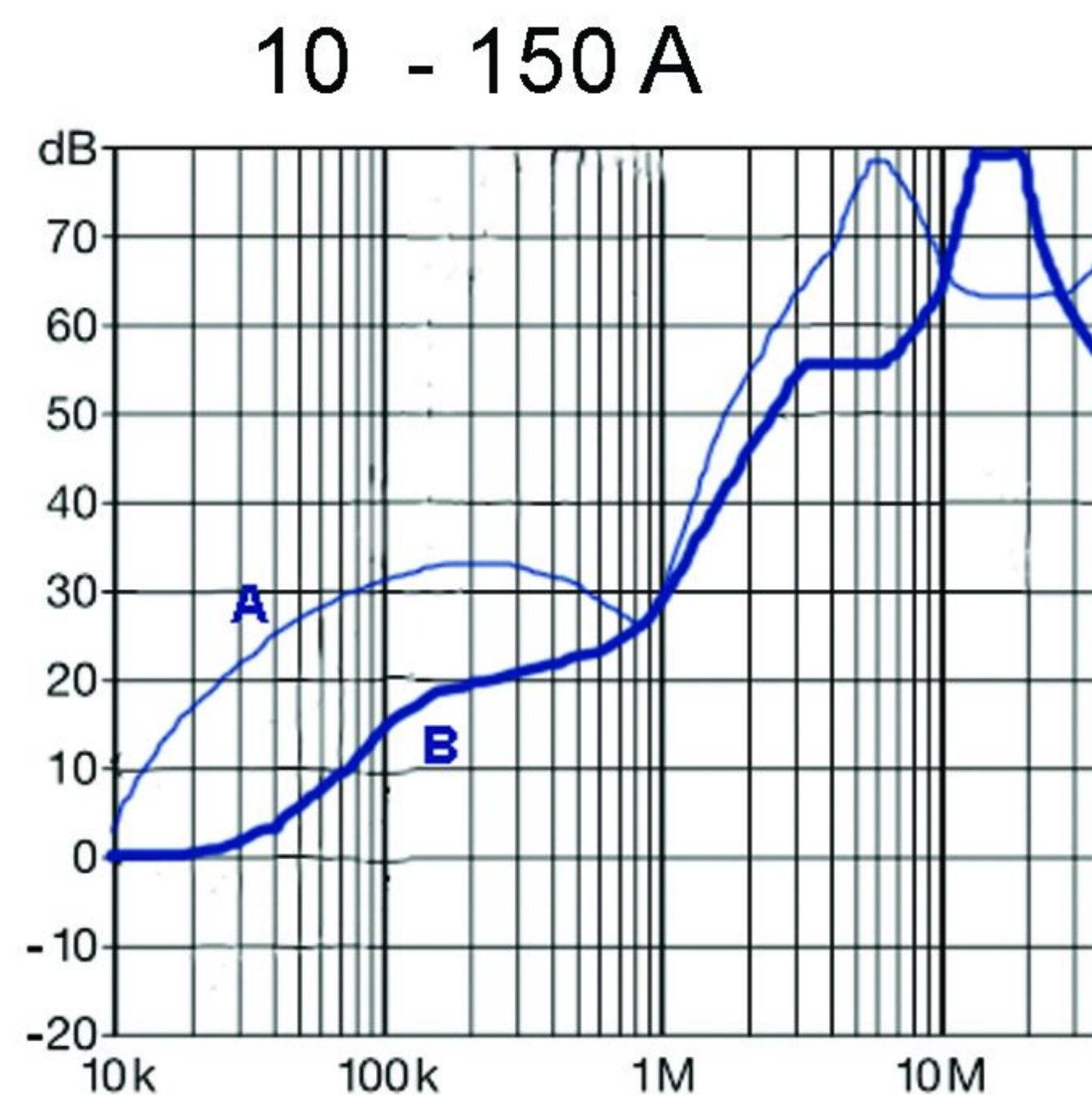


Features and benefits

- suitable for the operation on star and delta power networks
- Compact four-wire filter for applications with limited space
- High attenuation performance up to 300 MHz
- Suitable for environments with high noise pollution level
- Use first grade ferrite core with excellent thermal behaviour
- Compact resin coating for thermal discharge and proper temperature performance
- Stainless steel body to prevent any radiated noise from entering the filter
- Quality guarantee and after-sales services

Filter Attenuation performance

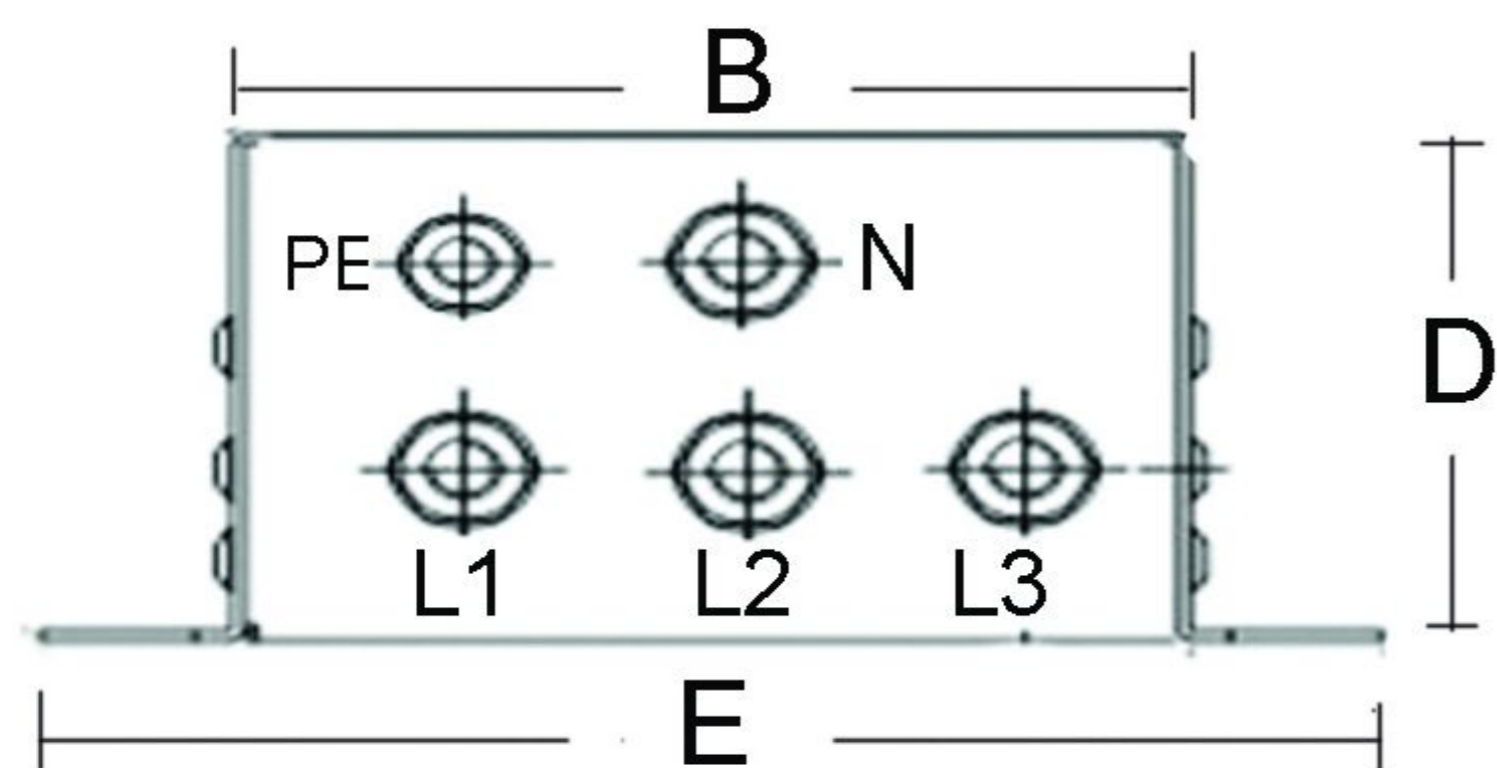
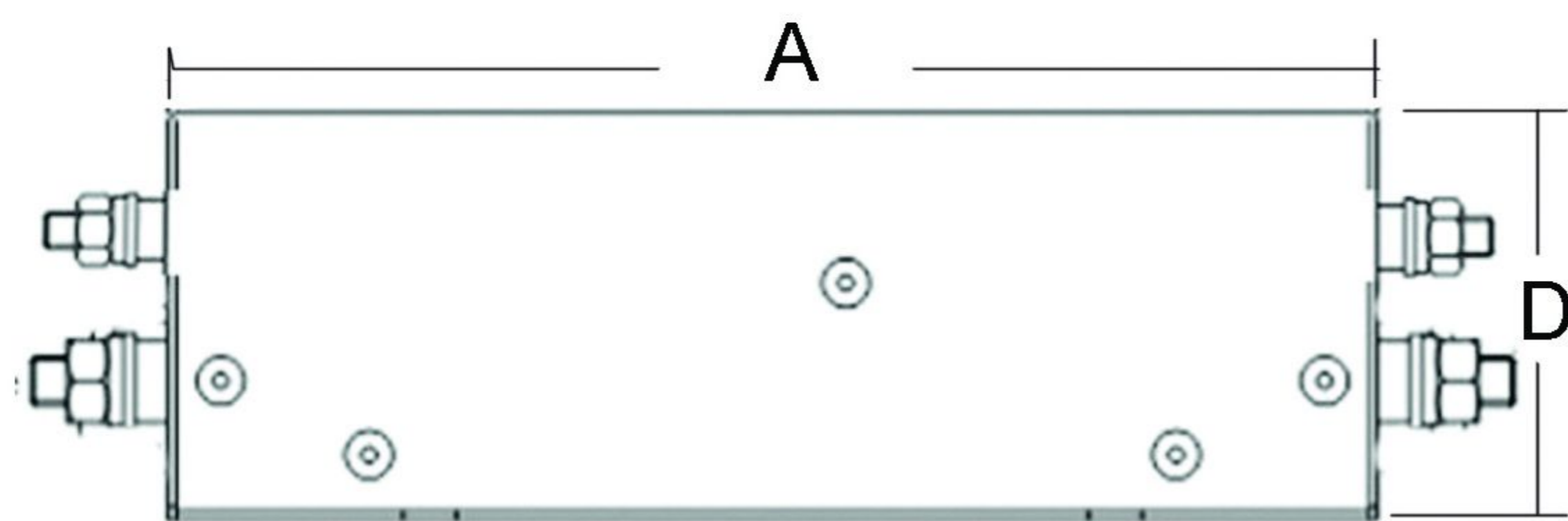
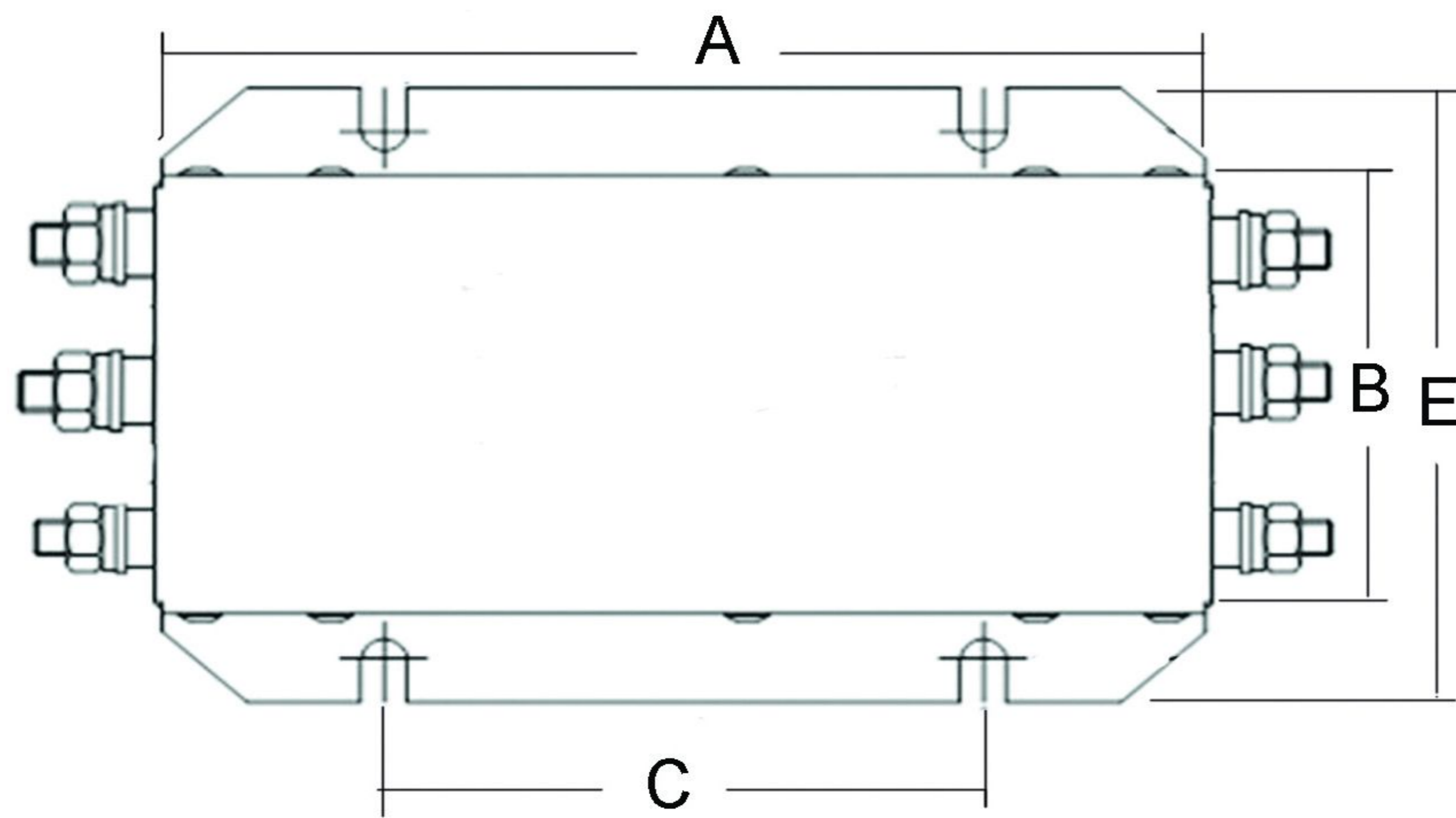
Based on CISPR 17 : A=50 ohm / 50 ohm symmetrical , B=50 ohm / 50 ohm asymmetrical



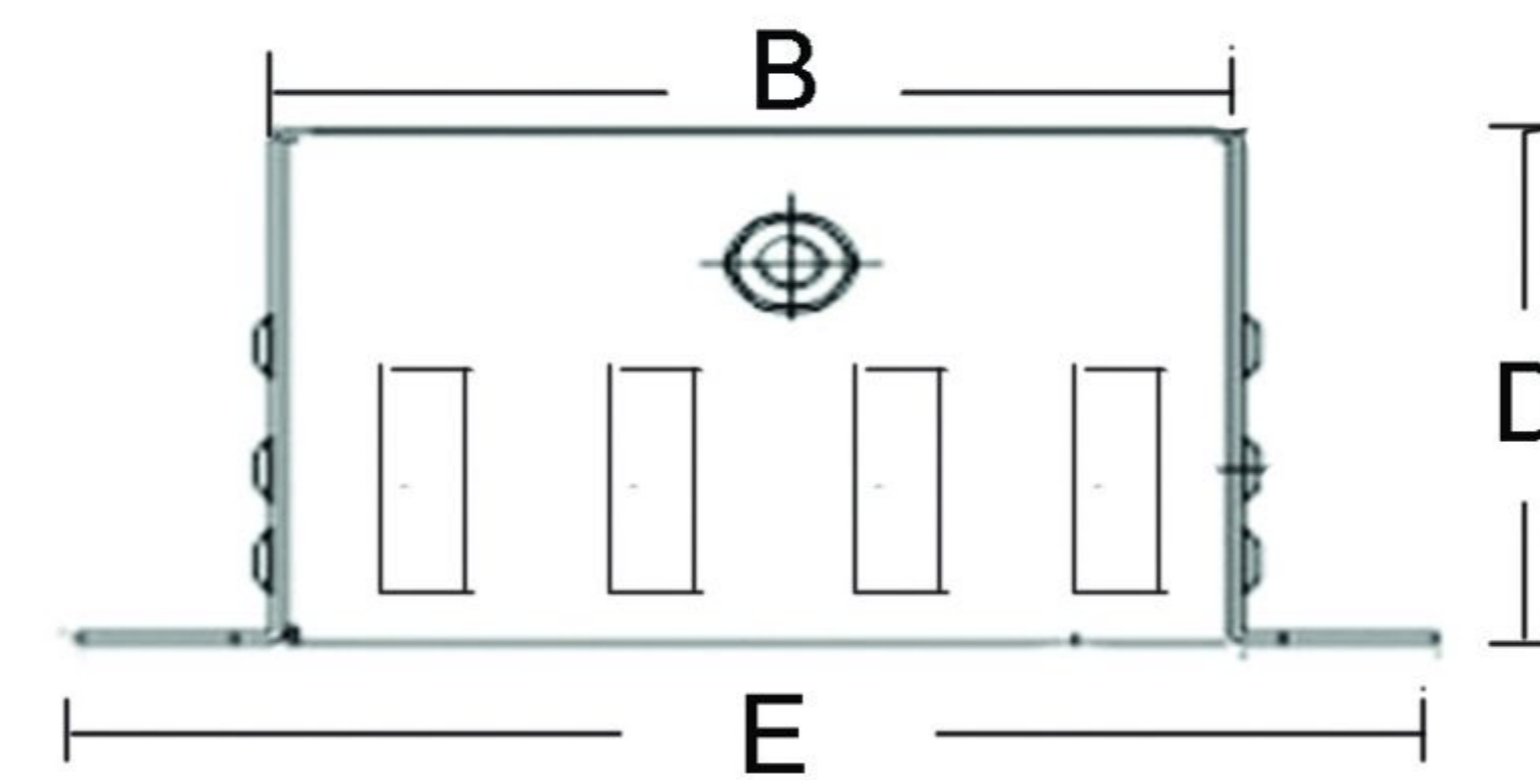
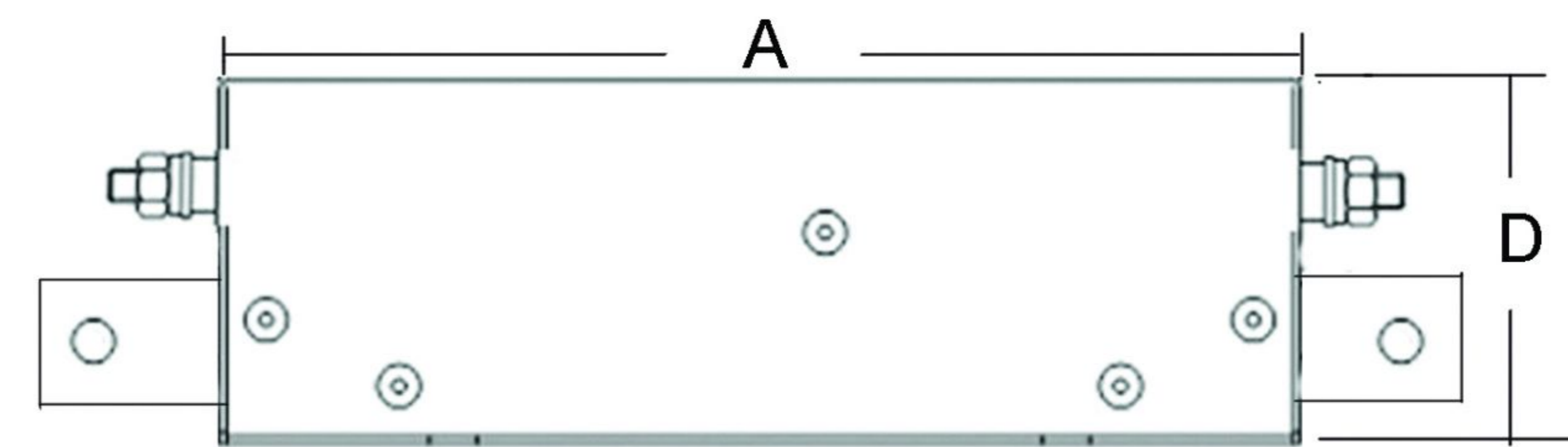
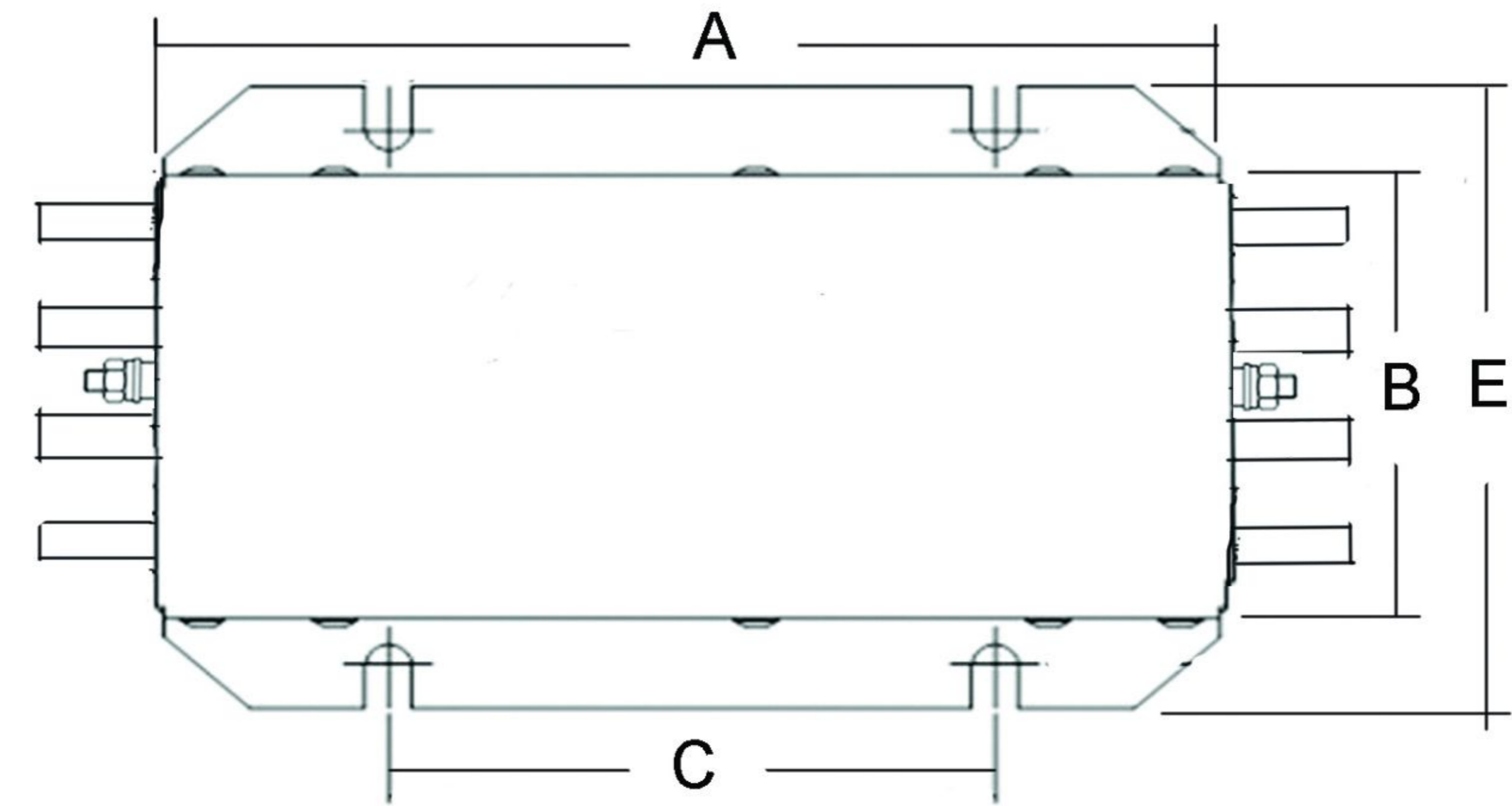
Filter Attenuation range



10 - 200 A



250 - 1200 A



Filter Selection Table

Model	Rated current @ 40C (A)	Typical drive power rating (KW)	Leakage current @380 VAC /50 Hz (mA)	Power loss @40C (W)	Connection type	Weight (Kg)	Dimensions				
							A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
ET4EMI – 380 – 10	10	1 - 5.5	3.5	2.4	*	0.95	160	100	100	60	130
ET4EMI – 380 – 15	15	5.5	3.5	2.9	*	1.04	160	100	100	60	130
ET4EMI – 380 – 20	20	11	3.8	3.1	*	1.10	160	100	100	60	130
ET4EMI – 380 – 25	25	12.5	4.1	3.7	*	1.15	160	100	100	60	130
ET4EMI – 380 – 30	30	15	4.2	4.4	*	1.27	160	100	100	60	130
ET4EMI – 380 – 40	40	20	4.2	5.2	*	1.45	250	150	156	100	180
ET4EMI – 380 – 50	50	25	4.3	5.8	*	1.95	250	150	156	100	180
ET4EMI – 380 – 60	60	37	4.3	6.6	*	2.35	250	150	156	100	180
ET4EMI – 380 – 80	80	37	4.3	7.8	*	3.45	250	150	156	100	180
ET4EMI – 380 – 100	100	45	4.5	10.4	*	4.10	250	150	156	100	180
ET4EMI – 380 – 120	120	55	7.9	14.3	*	6.00	250	150	156	100	180
ET4EMI – 380 – 150	150	75	7.9	16.6	*	9.78	250	150	156	100	180
ET4EMI – 380 – 200	200	110	7.9	24.2	*	9.98	250	200	156	150	230
ET4EMI – 380 – 300	300	132	8.3	30.8	*	11.35	250	200	156	150	230
ET4EMI – 380 – 400	400	220	8.3	33.9	*	11.75	350	250	218	200	280
ET4EMI – 380 – 600	600	315	8.6	46.0	*	12.00	350	250	218	200	280
ET4EMI – 380 – 800	800	400	8.9	58.1	*	23.10	350	250	218	200	280
ET4EMI – 380 – 1000	1000	560	9.6	75.9	*	24.80	350	250	218	200	280
ET4EMI – 380 – 1200	1200	600	10.3	92.7	*	25.20	350	250	218	200	280

Electro Tavan Pardaz Saeghe Co.

Adress : Floor 1, No:246 , Behbudi st, Azadi st, Tehran, Iran

Postal code : 1456763767

Tel : +982166198534

WhatsApp : +98910 457 70 10

