



# ETCO

THREE PHASE EMI - EMC FILTER  
NOISE SOLUTION

[www.electrotavan.com](http://www.electrotavan.com)



# ETCO General purpose EMC/EMI Filter



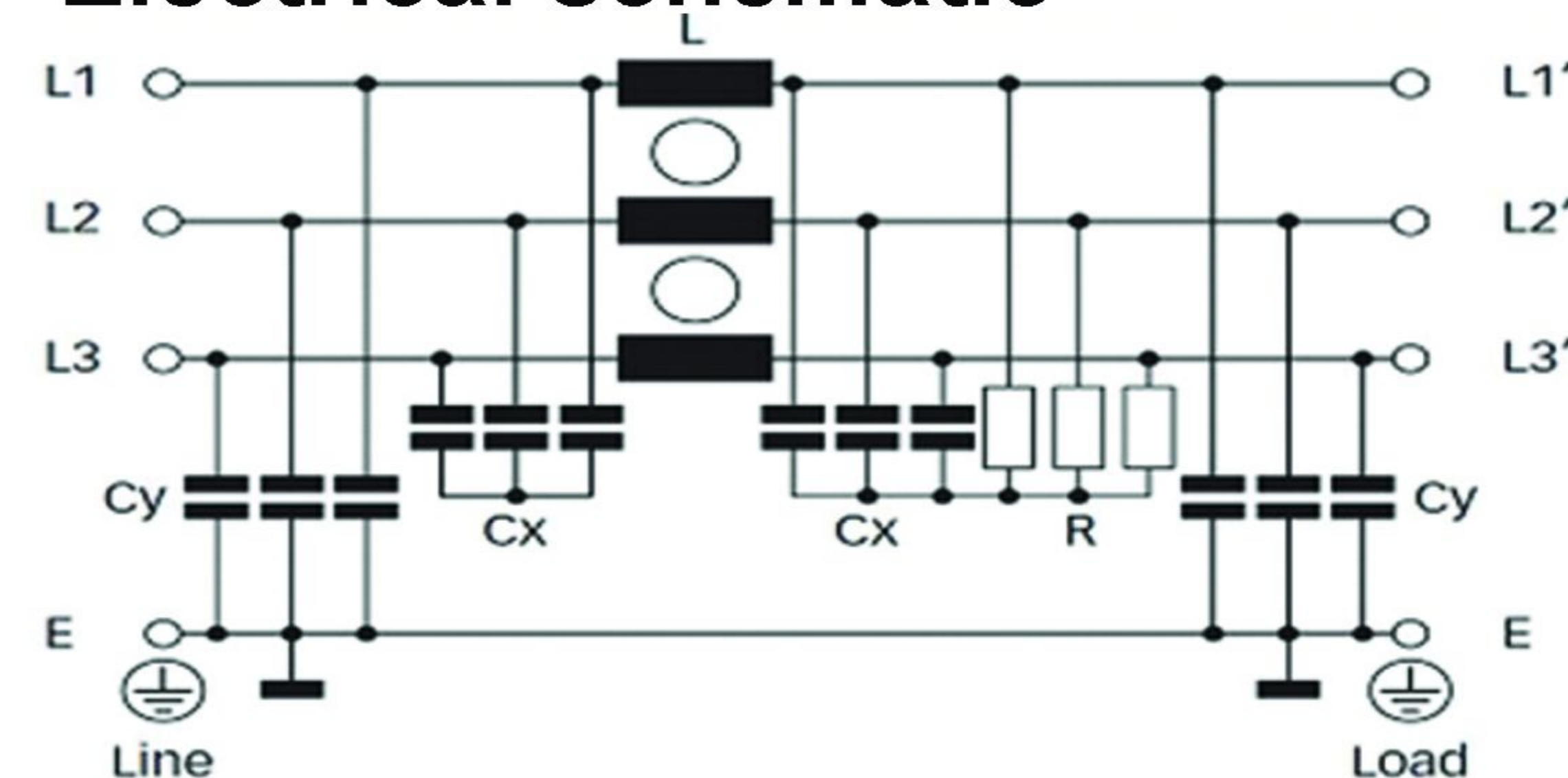
## Technical specifications

Continuous Operating Voltage	380 – 440 VAC
Rated current	10 – 2500 A
Operating Frequency	50/60 Hz
Best Noise Frequency Attenuation range	100 KHz to 30 MHz
Protection category (IP)	IP20
Temperature range	-20 to +80 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	100,000 Hours

### Applications

- Three phase variable speed drives and power drive systems
- Machine tools and machinery equipment
- IT power distribution networks and computer systems
- MRIs and X-ray equipment
- Foods service equipment
- Elevators and Escalators

### Electrical schematic

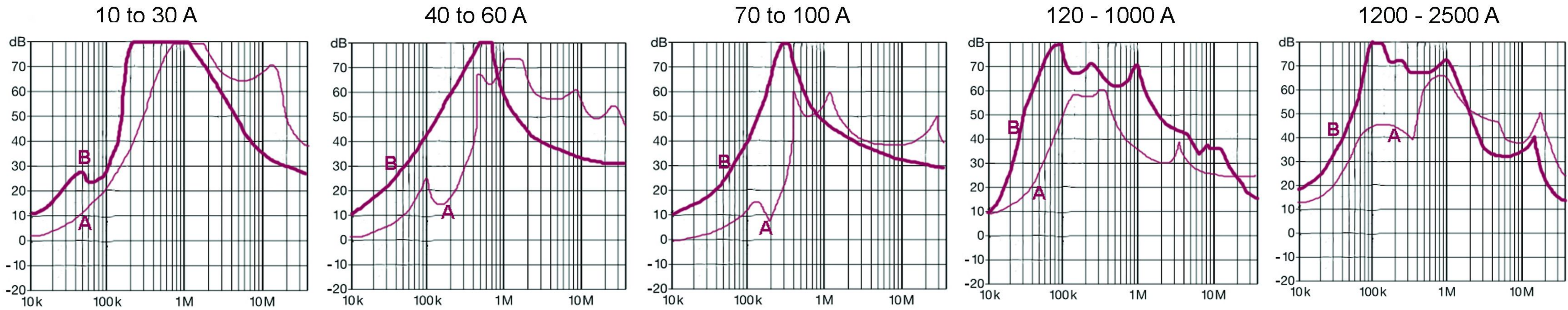


### Features and benefits

- Using first grade ferrite cores with excellent thermal performance
- Accurate and compact resin coating for thermal discharge and proper temperature performance
- Steel body to prevent any radiated noise from entering the filter
- Suitable dimensions for use in small spaces and, if needed, customization of desired dimensions in high custom volumes
- Good performance in environments with high noise levels
- Quality guarantee and after-sales service

### Filter Attenuation performance

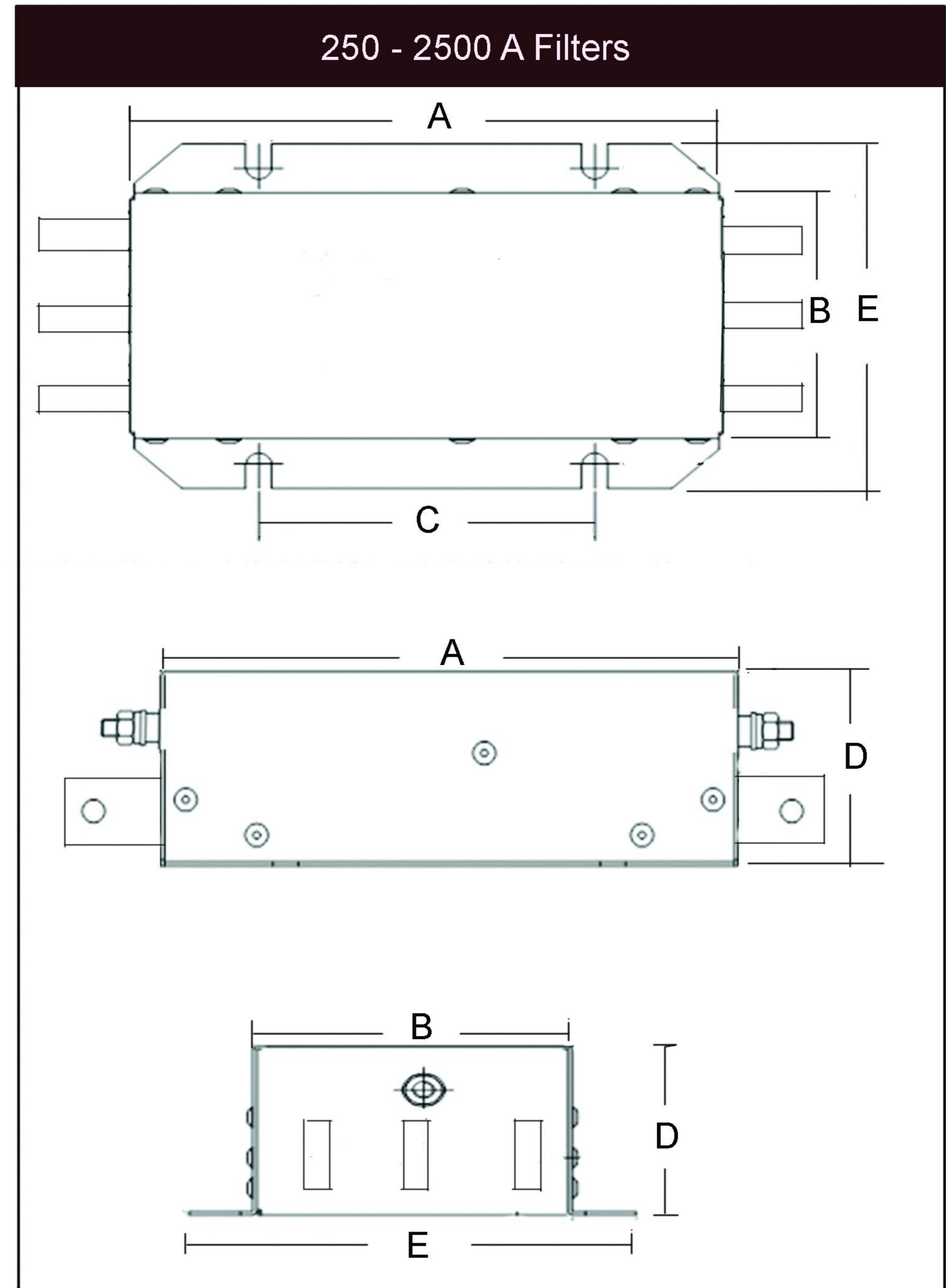
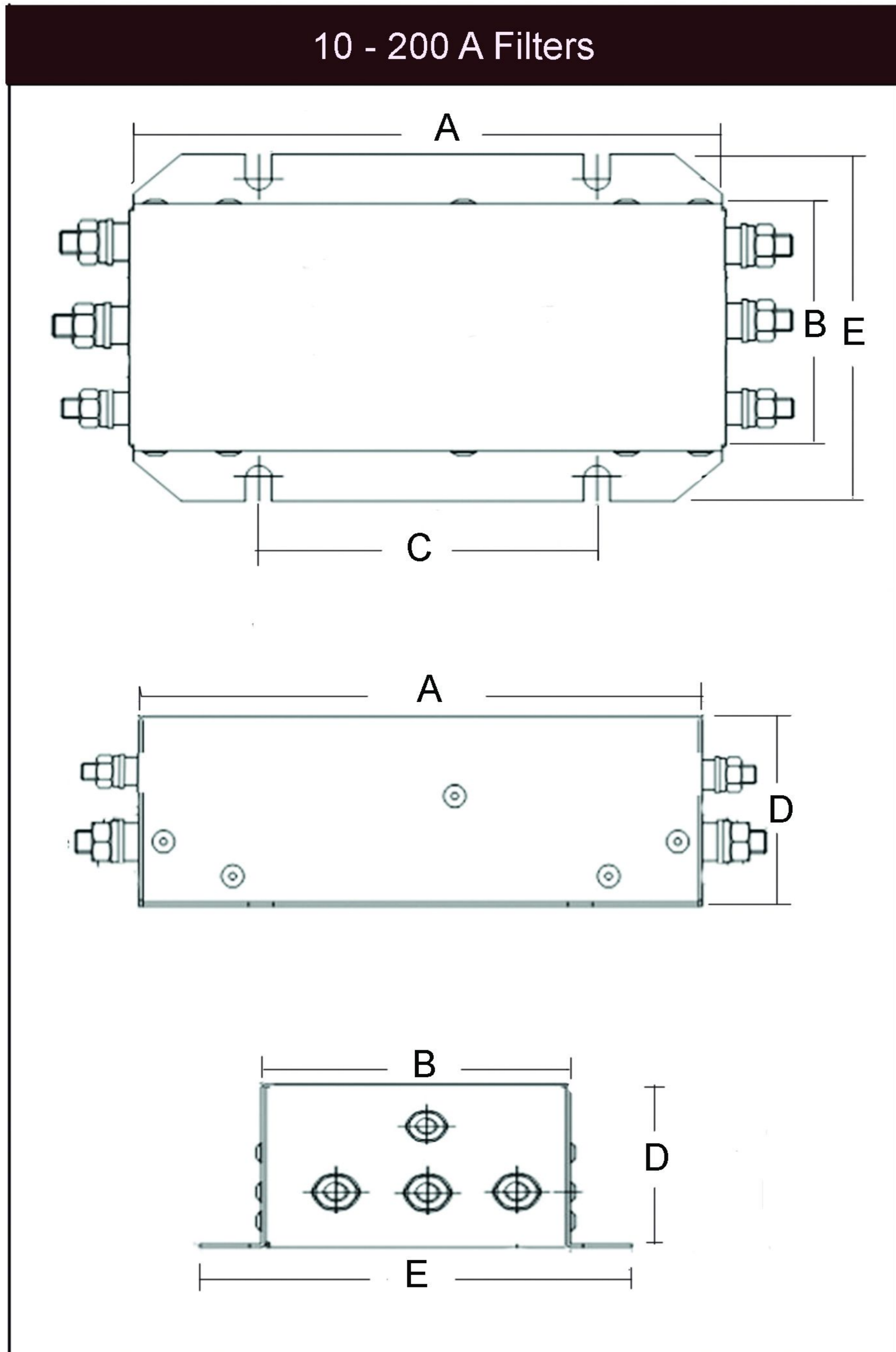
Based on CISPR 17 : A=50 ohm / 50 ohm symmetrical , B=50 ohm / 50 ohm asymmetrical



### Filter Attenuation range



### Mechanical Data



## 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)
ET3EMI – 380 – 10	10	1 - 5.5	3.5	2.4	*	0.95	150	90	101	45	120
ET3EMI – 380 – 15	15	5.5	3.5	2.9	*	1.04	150	90	101	45	120
ET3EMI – 380 – 20	20	11	3.8	3.1	*	1.10	150	90	101	45	120
ET3EMI – 380 – 25	25	12.5	4.1	3.7	*	1.15	150	90	101	45	120
ET3EMI – 380 – 30	30	15	4.2	4.4	*	1.27	150	90	101	45	120
ET3EMI – 380 – 40	40	20	4.2	5.2	*	1.45	160	100	100	65	133
ET3EMI – 380 – 50	50	25	4.3	5.8	*	1.95	160	100	100	65	133
ET3EMI – 380 – 70	70	37	4.3	6.6	*	2.35	200	120	148	75	155
ET3EMI – 380 – 80	80	37	4.3	7.8	*	3.45	200	120	148	75	155
ET3EMI – 380 – 100	100	45	4.5	10.4	*	4.10	200	120	148	75	155
ET3EMI – 380 – 120	120	55	7.9	14.3	*	6.00	250	150	156	100	180
ET3EMI – 380 – 150	150	75	7.9	16.6	*	9.78	250	150	156	100	180
ET3EMI – 380 – 180	180	90	7.9	20.3	*	9.98	330	205	277	140	250
ET3EMI – 380 – 200	200	110	7.9	24.2	*	9.98	330	205	277	140	250
ET3EMI – 380 – 300	300	132	8.3	30.8	*	11.35	350	200	250	200	300
ET3EMI – 380 – 400	400	220	8.3	33.9	*	11.75	350	200	250	200	300
ET3EMI – 380 – 500	500	250	8.6	46.0	*	12.00	350	200	250	200	300
ET3EMI – 380 – 800	800	400	8.9	58.1	*	23.10	450	250	250	200	300
ET3EMI – 380 – 1000	1000	560	9.6	75.9	*	24.80	450	250	250	200	300
ET3EMI – 380 – 1200	1200	600	10.3	92.7	*	25.20	450	250	250	200	300
ET3EMI – 380 – 2000	2000	1000	17.7	163.1	*	40.80	*	*	*	*	*
ET3EMI – 380 – 2500	2500	1200-1300	21.3	182.4	*	49.50	*	*	*	*	*
ET3EMI – 380 – 4000	4000	2000	38.4	368.9	*	73.70	*	*	*	*	*

*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