



# ETCO

THREE PHASE EMI - EMC FILTER  
NOISE SOLUTION

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## ETCO General purpose EMC/EMI Filter



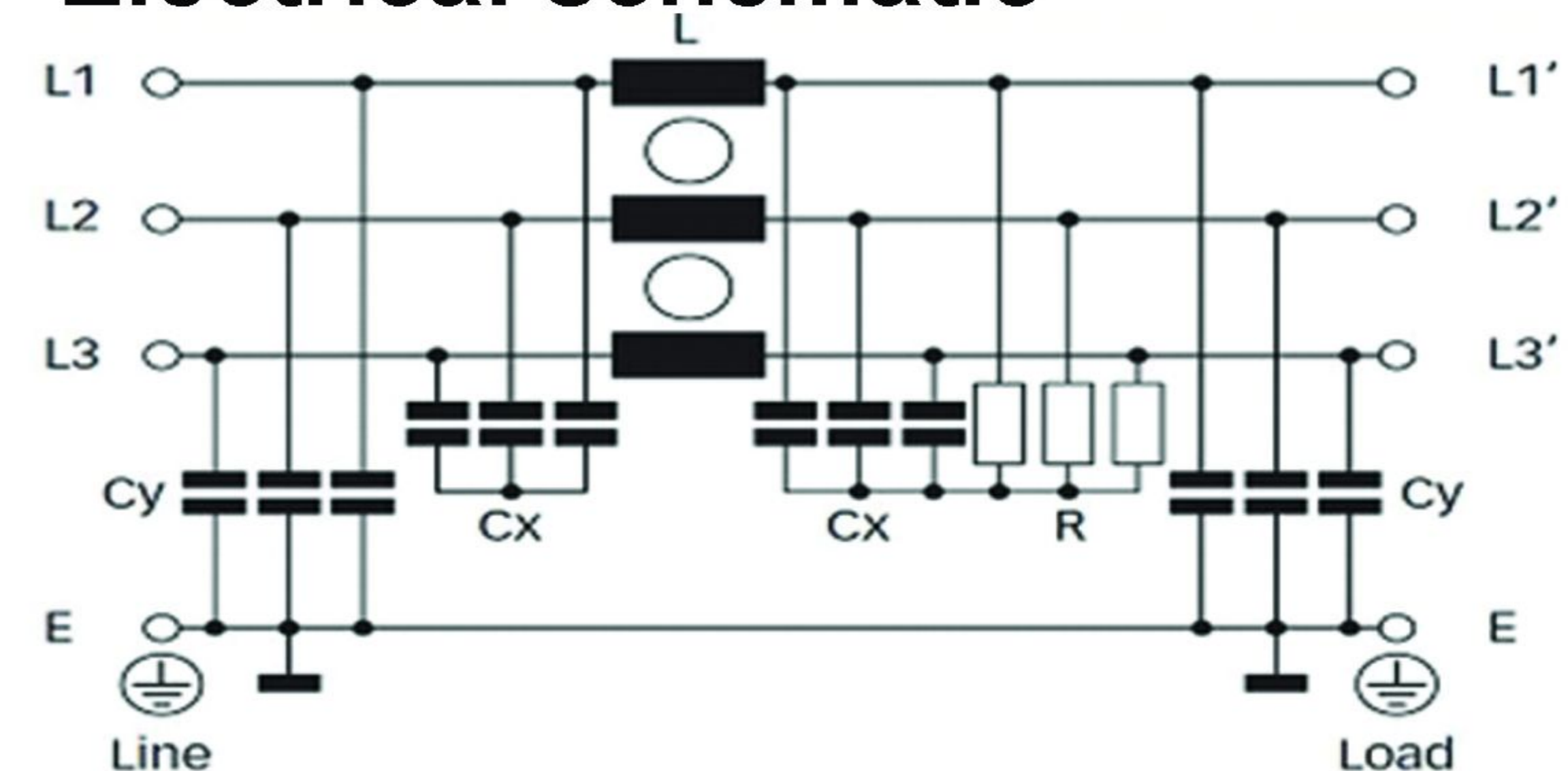
### Technical specifications

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

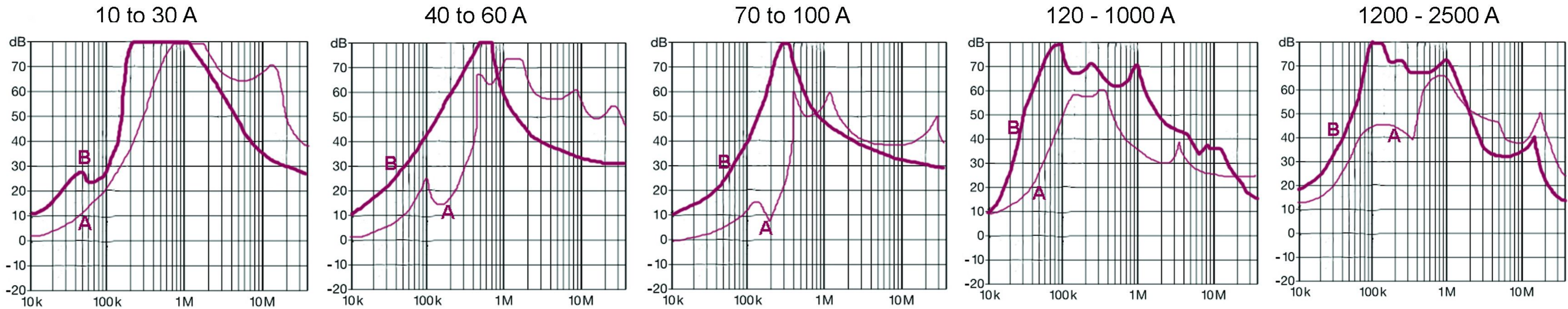


### Features and benefits

- 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

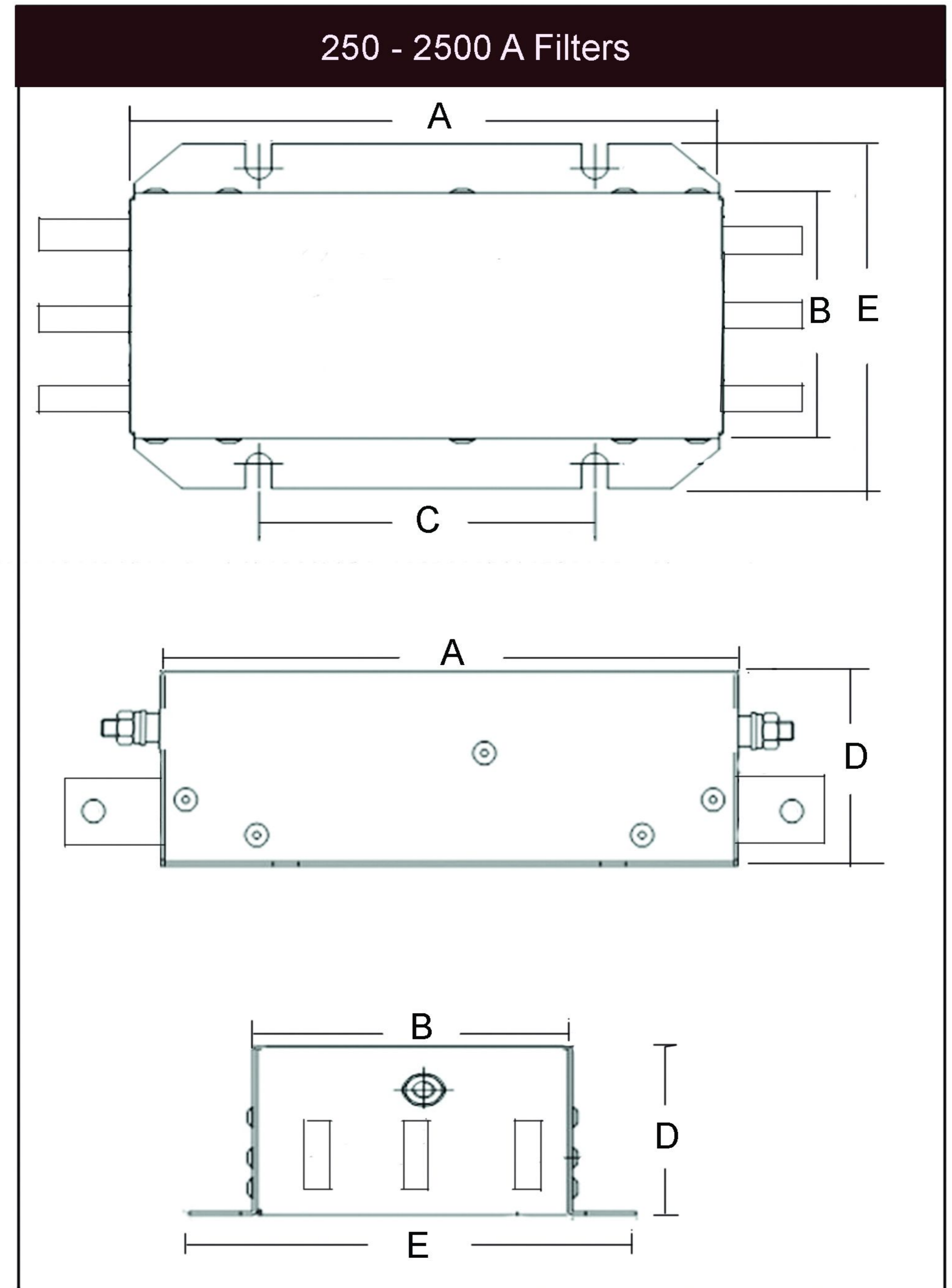
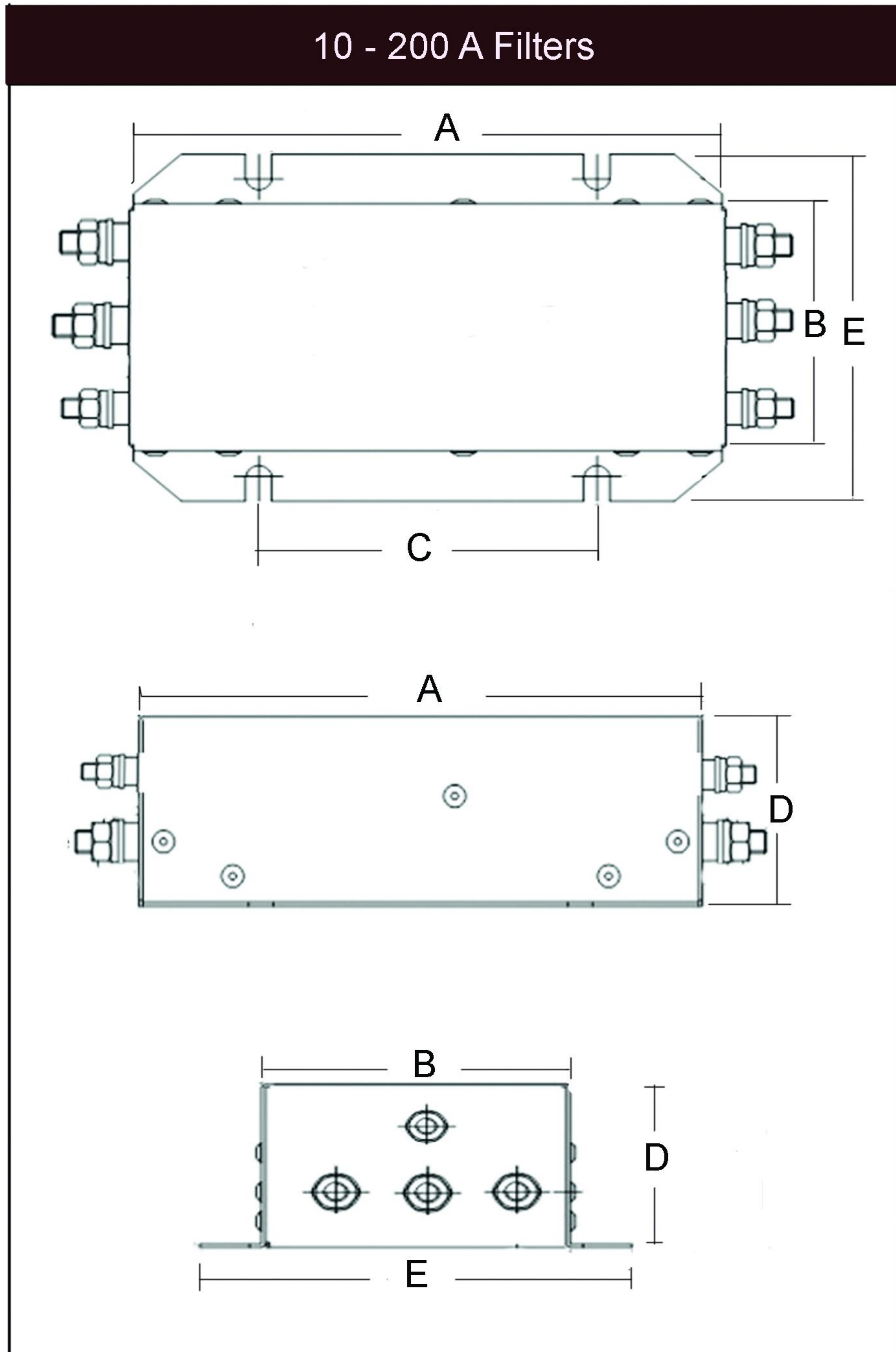
Based on CISPR 17 : A=50 ohm / 50 ohm symmetrical , B=50 ohm / 50 ohm asymmetrical





### 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	3.2	2.1	*		0.6	160	100	100	60	130
ET3EMI – 380 – 15	15	5.5	3.2	2.6	*		0.65	160	100	100	60	130
ET3EMI – 380 – 20	20	11	3.3	2.9	*		0.7	160	100	100	60	130
ET3EMI – 380 – 25	25	12.5	3.6	3.5	*		0.75	160	100	100	60	130
ET3EMI – 380 – 30	30	15	3.6	4.1	*		0.8	160	100	100	60	130
ET3EMI – 380 – 40	40	20	3.6	5.0	*		0.9	160	100	100	60	130
ET3EMI – 380 – 50	50	25	3.6	5.7	*		1.25	160	100	100	60	130
ET3EMI – 380 – 60	60	37	3.6	6.3	*		1.50	250	150	156	100	180
ET3EMI – 380 – 80	80	37	3.7	7.7	*		2.2	250	150	156	100	180
ET3EMI – 380 – 100	100	45	3.8	9.9	*		2.6	250	150	156	100	180
ET3EMI – 380 – 120	120	55	7.4	13.8	*		3.9	250	150	156	100	180
ET3EMI – 380 – 150	150	75	7.4	15.9	*		6.3	250	200	156	150	230
ET3EMI – 380 – 200	200	110	7.4	24.0		*	6.4	250	200	156	150	230
ET3EMI – 380 – 300	300	132	7.5	29.7		*	7.1	350	250	218	200	280
ET3EMI – 380 – 400	400	220	7.5	33.6		*	7.1	350	250	218	200	280
ET3EMI – 380 – 600	600	315	7.6	45.5		*	7.8	350	250	218	200	280
ET3EMI – 380 – 800	800	400	7.6	56.6		*	14.3	350	250	218	200	280
ET3EMI – 380 – 1000	1000	560	7.6	75.3		*	14.5	350	250	218	200	280
ET3EMI – 380 – 1200	1200	600	7.8	90.1		*	15.1	350	250	218	200	280
ET3EMI – 380 – 1500	1500	750	7.9	112.5		*	16.8	450	350	281	250	380
ET3EMI – 380 – 2000	2000	1000	8.1	134.8		*	25	450	350	281	250	380
ET3EMI – 380 – 2500	2500	1200	8.3	155.9		*	28	450	350	281	250	380

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