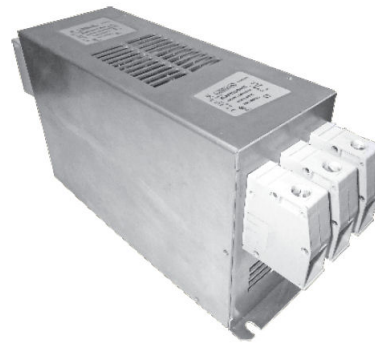




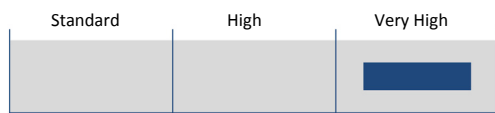
Very High Performance Three Phase EMI Power Filter

- Very high filtering performance, Single-Stage
- Rated currents from 7 to 180 Amps
- Extremely compact with the new slim filter design
- Designed for quick and easy installation
- Excellent saturation resistance up to 50m cable length

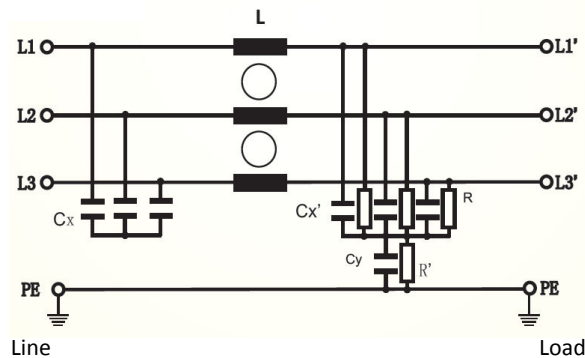
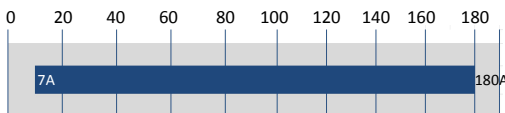


Performance Indicators Electrical Diagram

Attenuation Performance



Rated Current (Amps)



Features and Benefits

- BLASC258 filters have an extremely compact and slim design also with fast chassis mounting for easy installation.
- Various connection types available including the new safety terminal blocks
- BLASC258 filters ensure compliance with Class A limits according EN55011 and also Class B limits conducted emission limits
- Filters operating on the mains input side of consumers, will increase the reliability and conducted immunity of the device significantly
- BLASC258 filters are designed using chokes with high saturation resistance and excellent thermal behaviour. This allows them to retain the expected filter performance even in very noisy environments and under full load conditions.

Technical Specification Typical Applications

Operating voltage	480 VAC
Operating frequency	DC to 60 Hz
Rated currents	7 to 180 A @ 50 °C max
High potential test voltage	L → L 2100 VDC for 2 sec L → G 2650 VDC for 2 sec
Temperature range (operation and storage)	-25 °C to +100 °C (25/100/21)
Design corresponding to	UL 1283, CSA 22.2 No. 8 1986, IEC/EN 60939

- 3 phase variable speed motor drive, servo drives, inverters & converters
- Applications comprising energy conversion devices or process automation equipment
- HVAC equipment, elevators, power supplies
- UPS and other 3-phase applications

Filter Selection Table

Filter Model (where X = connection)	Rated Current @50 °C (Amps)	Typical Drive Power Rating (kW)	Inductance L-L L (mH)	Capacitance		Resistance L-L (MΩ)	Connection Type	
				L-L Cx (μF)	L-G Cy (nF)		Input	Output
BLASC258-07-X	7	4	5	1	0.319	2	T	T
BLASC258-16-X	16	7.5	4	1	0.319	2	T	T
BLASC258-30-X	30	15	2	1	0.319	2	T	T
BLASC258-42-X	42	22	0.5	3.3	0.387	2	T	T
BLASC258-55-X	55	30	0.36	3.3	0.387	2	T	T
BLASC258-75-X	75	37	0.15	3.3	0.387	2	T	T
BLASC258-100-X	100	55	0.17	3.3	0.4	2	T	T
BLASC258-130-X	130	75	0.67	6.6	2.23	2	T	T
BLASC258-180-X	180	90	0.075	3.3	0.4	2	T	T

Typical Filter Attenuation

7A

MHZ	0.1	1	10
CM	63	76	42
DM	59	69	38

16A

MHZ	0.1	1	10
CM	68	75	36
DM	54	71	42

30A

MHZ	0.1	1	10
CM	60	78	41
DM	54	71	46

42A

MHZ	0.1	1	10
CM	62	79	39
DM	51	73	42

55A

MHZ	0.1	1	10
CM	57	69	47
DM	51	61	44

75A

MHZ	0.1	1	10
CM	61	71	39
DM	50	65	41

100A

MHZ	0.1	1	10
CM	49	68	45
DM	42	59	40

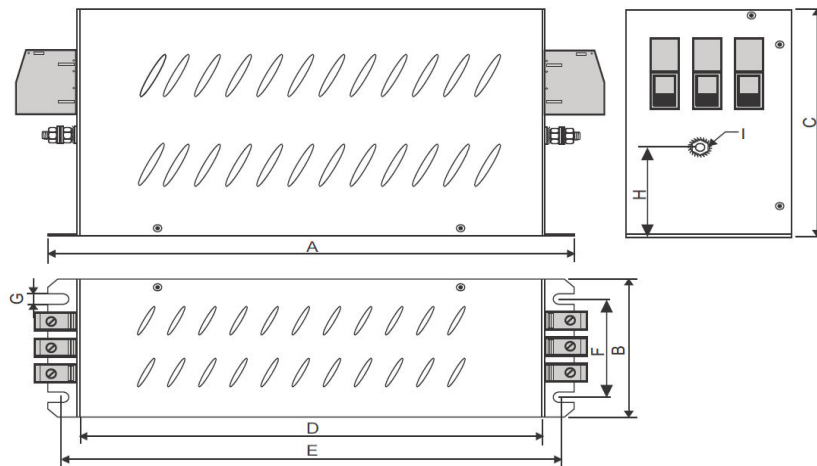
130A

MHZ	0.1	1	10
CM	47	68	38
DM	41	64	39

180A

MHZ	0.1	1	10
CM	44	72	35
DM	32	63	37

Mechanical Dimensions (mm)



	7A	16A	30A	42A	55A	75A	100A	130A	180A
A	190	250	270	270	250	270	270	270	380
B	50	45	50	50	85	80	90	90	120
C	75	85	85	85	90	135	150	150	170
D	160	220	240	240	220	240	240	240	350
E	175	235	255	255	235	255	255	255	365
F	30	30	30	30	35	60	45	65	102
G	4.5	5.4	5.4	5.4	5.4	6.5	6.5	6.5	6.5
H	20	30	30	30	30	70.5	110	64	47
I	M5	M5	M5	M5	M6	M6	M10	M10	M10
I/P—O/P	AWG 8	AWG 8	AWG 6	AWG 6	AWG 2	AWG 2	AWG 1/0	AWG 1/0	AWG 4/0

Note: All dimensions in mm

Input/Output Connection Type is Feed Through Terminal Block 6mm² to 50mm²