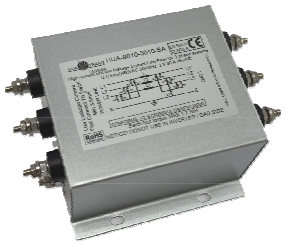
EMC 日規三相 AC 單 π 電源雜訊抑制濾波器

AC Power Three-Phase One-Stage EMI Filter (Japan type)



Product Features	產品特點
• Suppressing the inrush current when equipment power on	• 抑制湧浪電流
• Increase equipment tolerance to voltage transients	• 增強對電壓瞬變的耐受程度
• Bidirectional filtering between power grid and equipment	• 電源與電網間雙向濾波
• High differential and common-mode attenuation	• 優異的共模及差模的雜訊抑制效果
• Rated currents from 1 to 1200A	• 本系列支援最高 1200A 的電流

Technical Specifications

Rated voltage	220~480VAC
Rated currents	1 to 1200A @ 40℃
Overload current	1.2 × Rated Current (1 min./hour)
Max Leakage current	≦5 mA @ 250v/60Hz
Temperature range	-25 to +85 ℃
Temperature rise	≦30℃
High potential test voltage	L → E 2000 VAC / 2250 VDC L → N 2500 VDC
Insulation Resistance	L → E ≧3000MΩ L → N ≧2000MΩ
Certified to	UL 1283, EN/IEC 60939, CSA 22.2 No.8-13

Approvals & Compliances

9001:2015 ISO CERTIFIED Registered Quality System

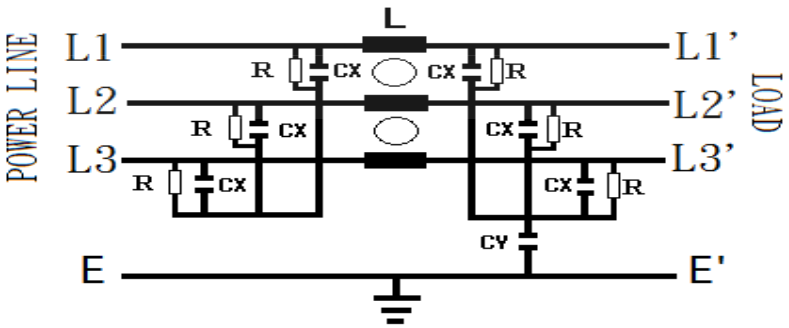
Complies with UL 1283 CAN C22.2 NO.8

CE RoHS compliant

Applications

- Electrical and electronic equipment
- Power supply
- Variable-frequency Drive
- Servo controller
- Medical equipment (OEM)

Typical Electrical Schematic



AC circuit (One-stage)

AC 電源濾波電路(單 π 迴路)

HUA YEANG

Filter Selection Table

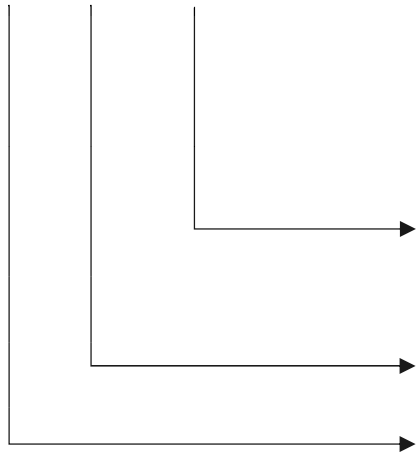
Model	Rated current @ 40℃ [A]	Rated voltage [VAC]	Resistance L-L' (±15%) [mΩ]	Power loss (total ±15%) [W]	Dimensional figures
HUA-9010-0610-SA☐	6	0~480	28	1.008	A
HUA-9010-1010-SA☐	10		21	2.1	
HUA-9010-1610-SA☐	16		11.5	2.944	
HUA-9010-2010-SA☐	20		6	2.4	
HUA-9010-3010-SA☐	30		2.5	2.25	
HUA-9020-4010-SA☐	40		2.3	3.68	
HUA-9020-5010-SA☐	50		2.2	5.5	
HUA-9020-6410-SA☐	64		1.17	6.96	B
HUA-9020-8010-SA☐	80		1.1	7.04	
HUA-9020-H100-SA☐	100		0.75	7.5	C
HUA-9020-H110-SA☐	110		0.73	8.833	
HUA-9020-H125-SA☐	125		0.7	10.9	
HUA-9020-H150-SA☐	150		0.6	13.5	D
HUA-9020-H180-SA☐	180		0.5	16.2	
HUA-9020-H200-SA☐	200		0.4	16	
HUA-9020-H225-SA☐	225		0.37	18.7	
HUA-9020-H250-SA☐	250		0.37	23.125	
HUA-9020-H300-SA☐	300		0.37	33.3	
HUA-9020-H350-SA☐	350		0.37	45.3	
HUA-9020-H400-SA☐	400		0.32	51.2	
HUA-9020-H450-SA☐	450		0.32	64.8	
HUA-9020-H500-SA☐	500		0.32	80	
HUA-9020-H550-SA☐	550		0.27	81.675	
HUA-9020-H600-SA☐	600		0.27	97.2	
HUA-9020-H650-SA☐	650		0.27	114	E
HUA-9020-H700-SA☐	700		0.27	132.2	
HUA-9020-H750-SA☐	750		0.23	129.3	
HUA-9020-H800-SA☐	800		0.23	147.2	
HUA-9020-H900-SA☐	900		0.23	218.7	
HUA-9020-H1000-SA☐	1000		0.23	270	
HUA-9020-H1100-SA☐	1100		0.19	229.9	
HUA-9020-H1200-SA☐	1200		0.19	388.8	

***** For requirements involving medical equipment, please contact us directly.

***** 如果您有使用在醫療設備上的需求，請直接聯繫我們。

Product Selector

HUA – 90□0 – □ - SA□



C : Acrylic protective cover included.	(附ㄇ型壓克力保護蓋)
O : OEM product	(客製化產品)
R : 35mm DIN Rail	(35mm 軌道)
E : Euroblock	(歐式端子出線)
1 to 1200 A Rated current	(額定電流)
1 : Rated current under 30A	(額定電流低於 30A)
2 : Rated current over 30A	(額定電流高於 30A)

NOTICE:

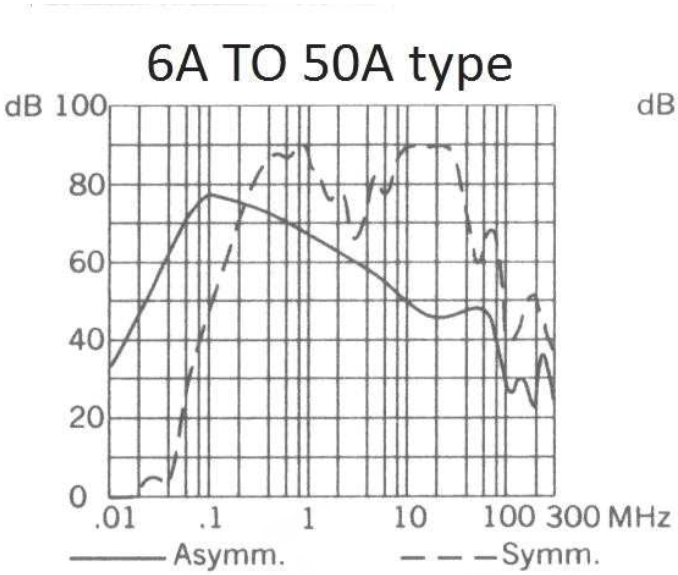
When selecting the filter model, please choose our product based on 1.2 times the full load current (the filter's safe current range should be 1.2 to 1.5 times the full load current).

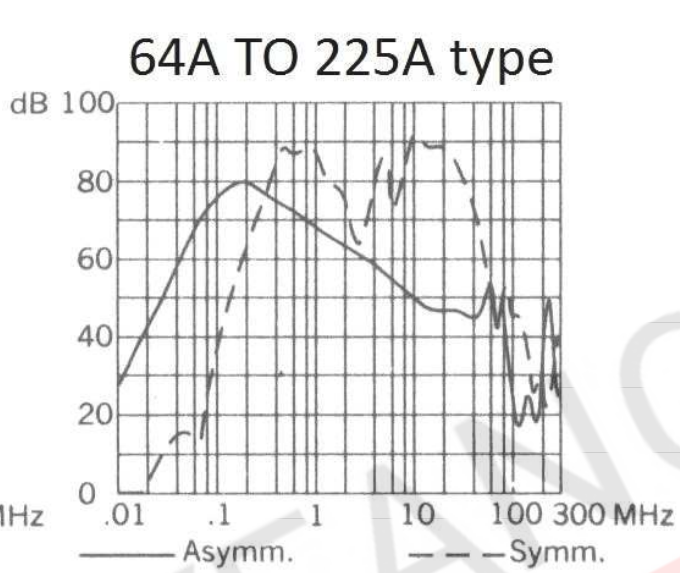
$$\text{Inverter operating current} = \frac{\text{Horsepower} \times 746}{\text{Operating voltage}}$$

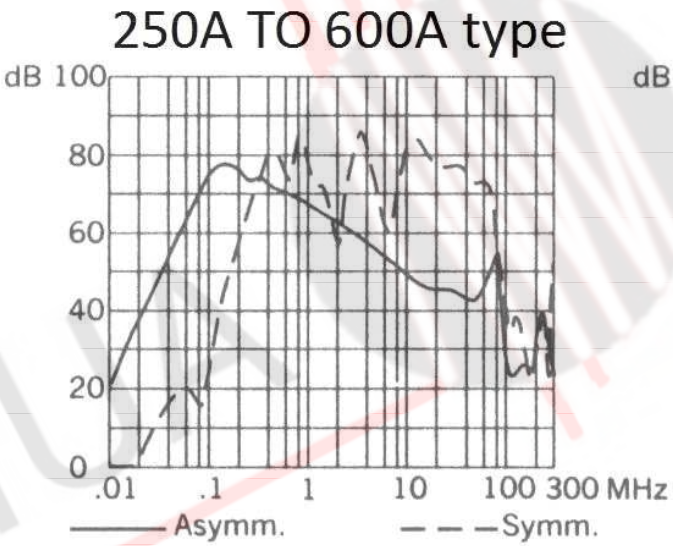
選擇濾波器型號時，請根據全載電流的 1.2 倍來選擇我們的產品
(濾波器的安全電流範圍應為全載電流的 1.2 至 1.5 倍)。

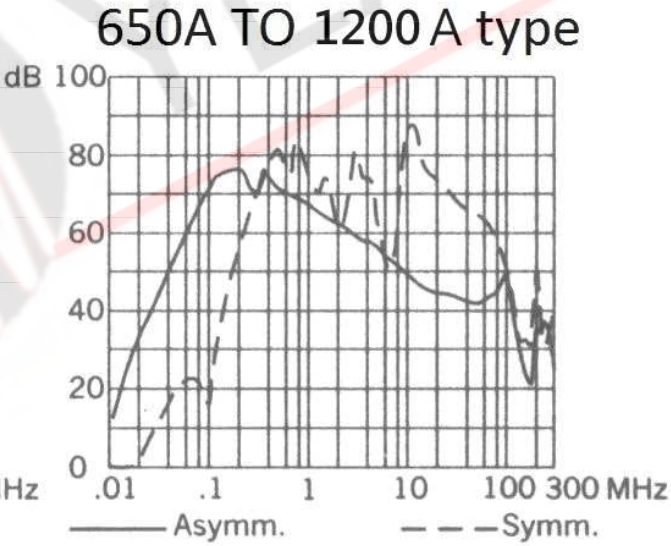
$$\text{變頻器工作電流} = \frac{\text{馬力} \times 746}{\text{工作電壓}}$$

Insertion Loss (衰減值)



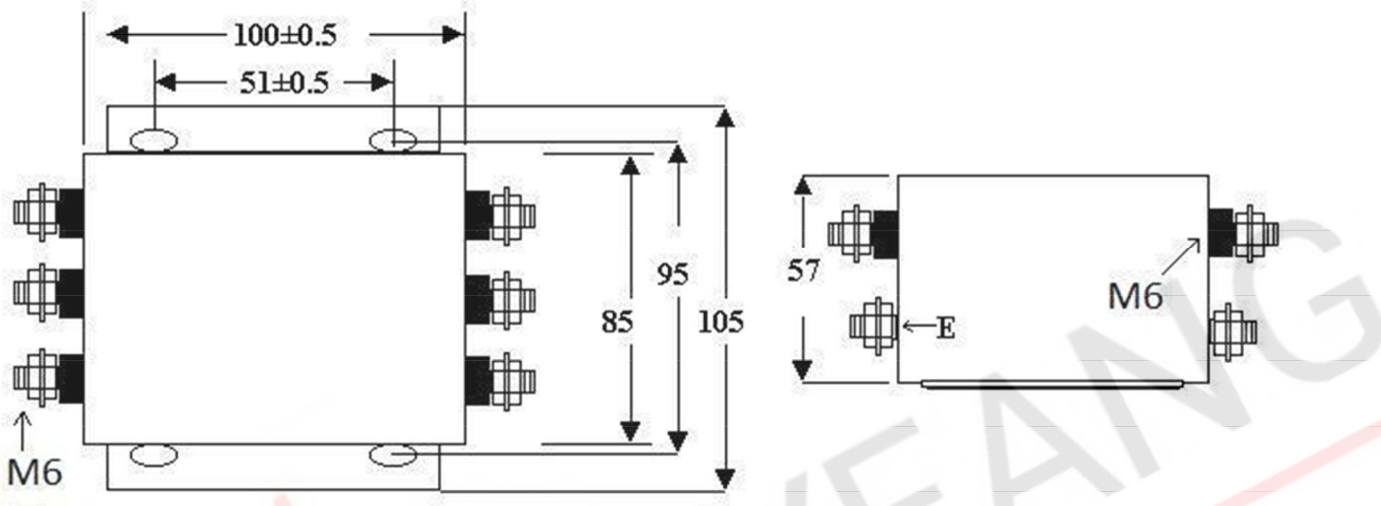




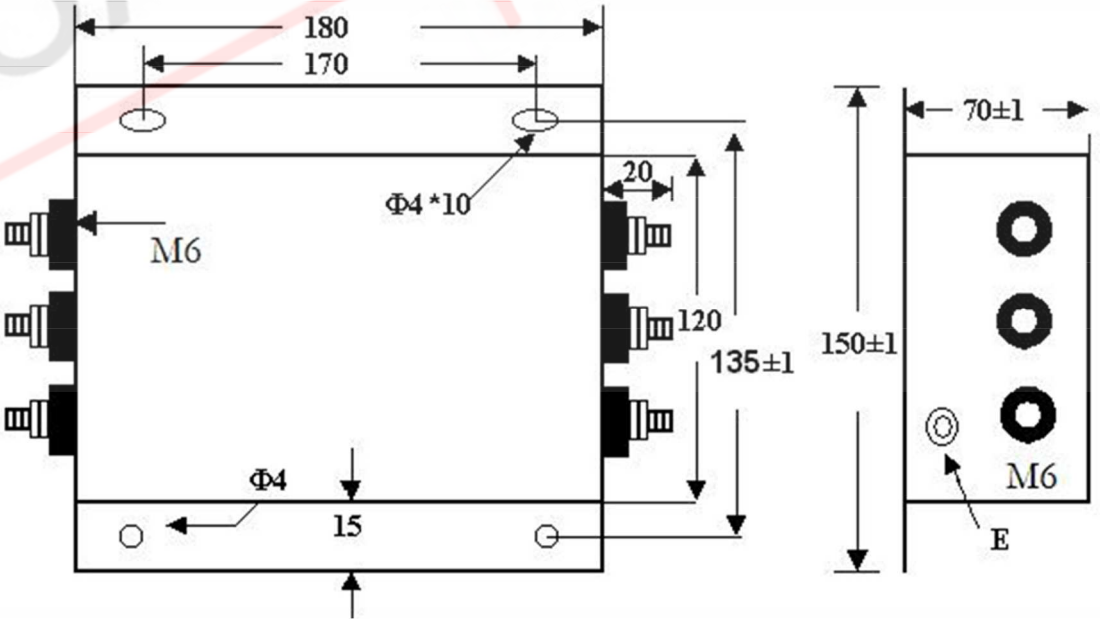


Dimensional Figures (尺寸圖) (Unit : mm)

A

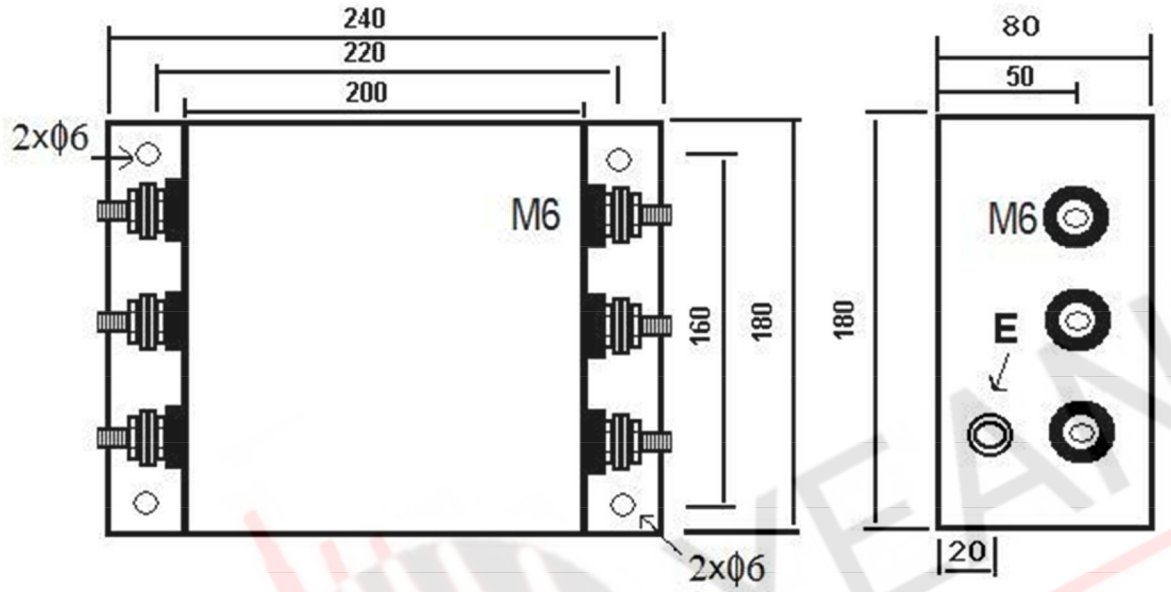


B

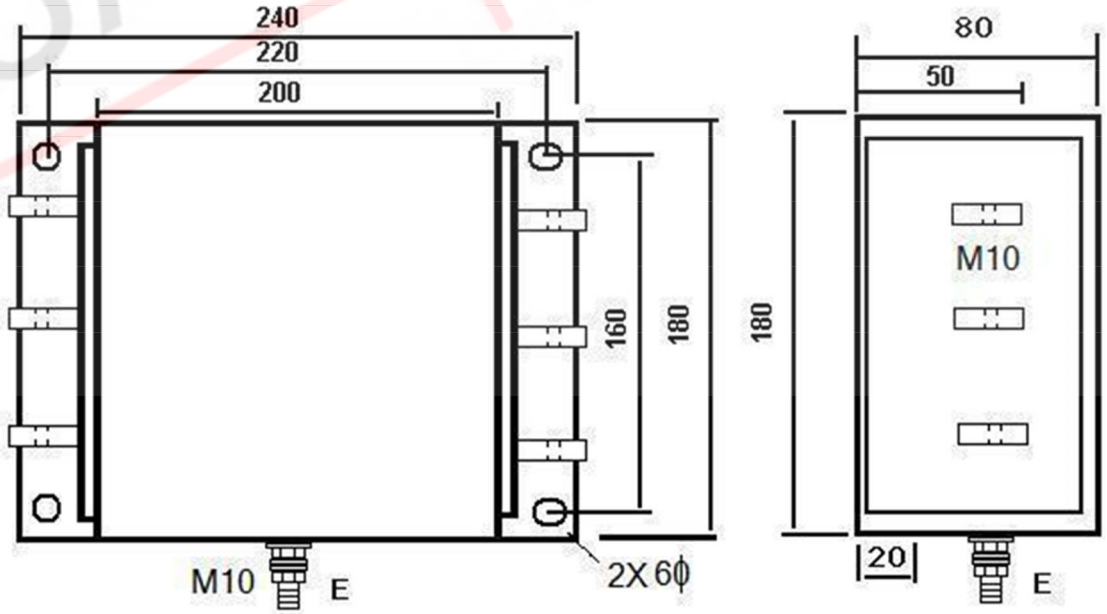


Dimensional Figures (尺寸圖) (Unit : mm)

C



D



Dimensional Figures (尺寸圖) (Unit : mm)

E

