

EMI 歐規三相四線 AC 單 π 電源濾波器

AC Power 3-Phase 4-Wire One-Stage EMI Filter (Euro type)



Product Features

- Suppressing the inrush current when equipment power on
- Increase equipment tolerance to voltage transients
- Bidirectional filtering between power grid and equipment
- Specifically designed for machine tools.
- Rated currents from 1 to 1200A

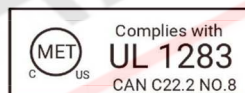
產品特點

- 抑制湧浪電流
- 增強對電壓瞬變的耐受程度
- 電源與電網間雙向濾波
- 特別為工具機所設計
- 本系列支援最高 1200A 的電流

Technical Specifications

Rated voltage	220~480VAC
Rated currents	1 to 1200A @ 40°C
Overload current	1.2 × Rated Current (1 min./hour)
Max Leakage current	≤ 5 mA @ 40v/60Hz
Temperature range	-25 to +85 °C
Temperature rise	≤ 30°C
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, EN55011, EN55022, CISPR 16-2-3, EN/IEC 60950, 61000

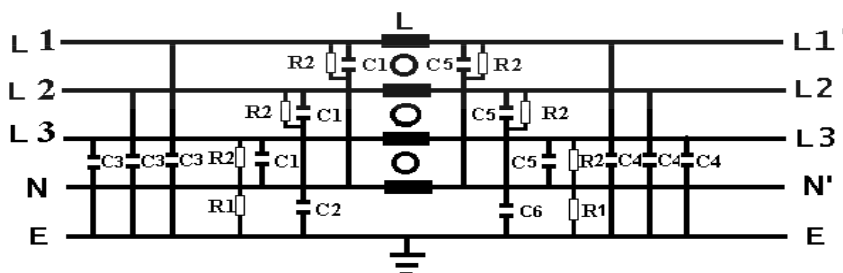
Approvals & Compliances



Applications

- Machine tools
- Power supply
- Variable-frequency Drive
- Servo controller
- Electrical and electronic equipment

Typical Electrical Schematic



AC circuit (One-stage)

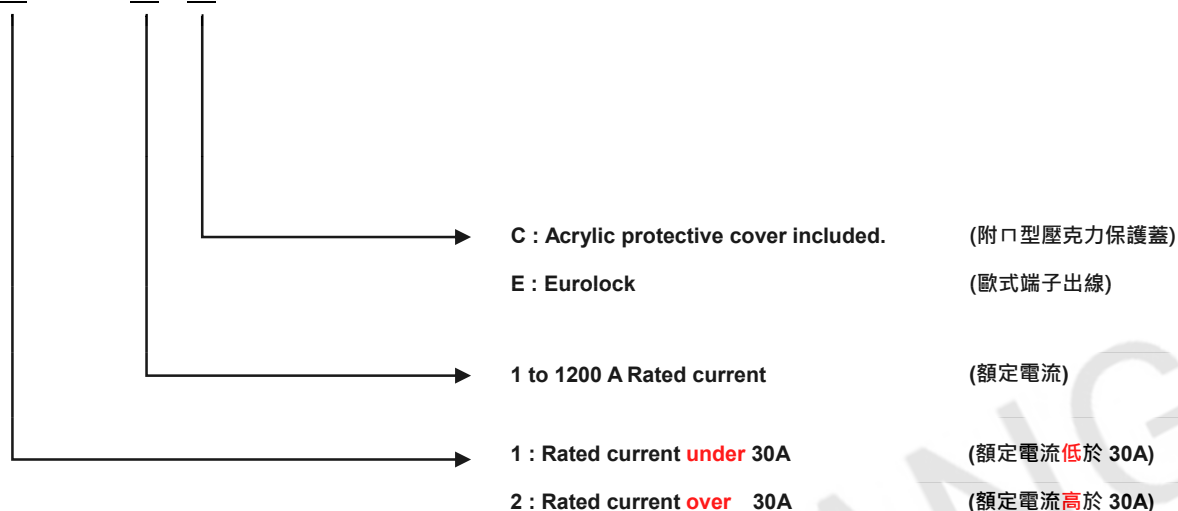
AC 電源濾波電路(單 π 迴路)

Filter Selection Table

Model	Rated current @ 40°C [A]	Rated voltage [VAC]	Resistance L-L' (±15%) [mΩ]	Power loss (total ±15%) [W]	Dimensional figures
HUA-9010-4P-0610	6	0~480	23	0.828	A
HUA-9010-4P-0810	8		28	1.792	
HUA-9010-4P-1610	16		11.5	2.944	
HUA-9010-4P-2510	25		4.4	2.75	
HUA-9010-4P-3610	36		3.32	4.30272	B
HUA-9020-4P-5010	50		1.3	3.25	
HUA-9020-4P-6410	64		1.1	4.5056	
HUA-9020-4P-8010	80		1.17	7.488	
HUA-9020-4P-H110	110		0.75	9.075	C
HUA-9020-4P-H125	125		0.75	11.71875	
HUA-9020-4P-H150	150		0.6	13.5	
HUA-9020-4P-H180	180		0.37	11.988	
HUA-9020-4P-H200	200		0.35	14	D
HUA-9020-4P-H250	250		0.22	13.75	
HUA-9020-4P-H300	300		0.11	9.9	
HUA-9020-4P-H350	350		0.06	7.35	
HUA-9020-4P-H400	400		0.06	9.6	E
HUA-9020-4P-H450	450		0.06	12.15	
HUA-9020-4P-H500	500		0.056	14	
HUA-9020-4P-H550	550		0.056	16.94	
HUA-9020-4P-H600	600		0.056	20.16	F
HUA-9020-4P-H650	650		0.046	19.435	
HUA-9020-4P-H700	700		0.046	22.54	
HUA-9020-4P-H750	750		0.046	25.875	
HUA-9020-4P-H800	800		0.046	29.44	
HUA-9020-4P-H850	850		0.046	33.235	
HUA-9020-4P-H900	900		0.046	37.26	
HUA-9020-4P-H950	950		0.046	41.515	
HUA-9020-4P-H1000	1000		0.046	46	
HUA-9020-4P-H1100	1100		0.046	55.66	
HUA-9020-4P-H1200	1200		0.046	66.24	

Product Selector

HUA – 90□0 –4P- □ - □



NOTICE:

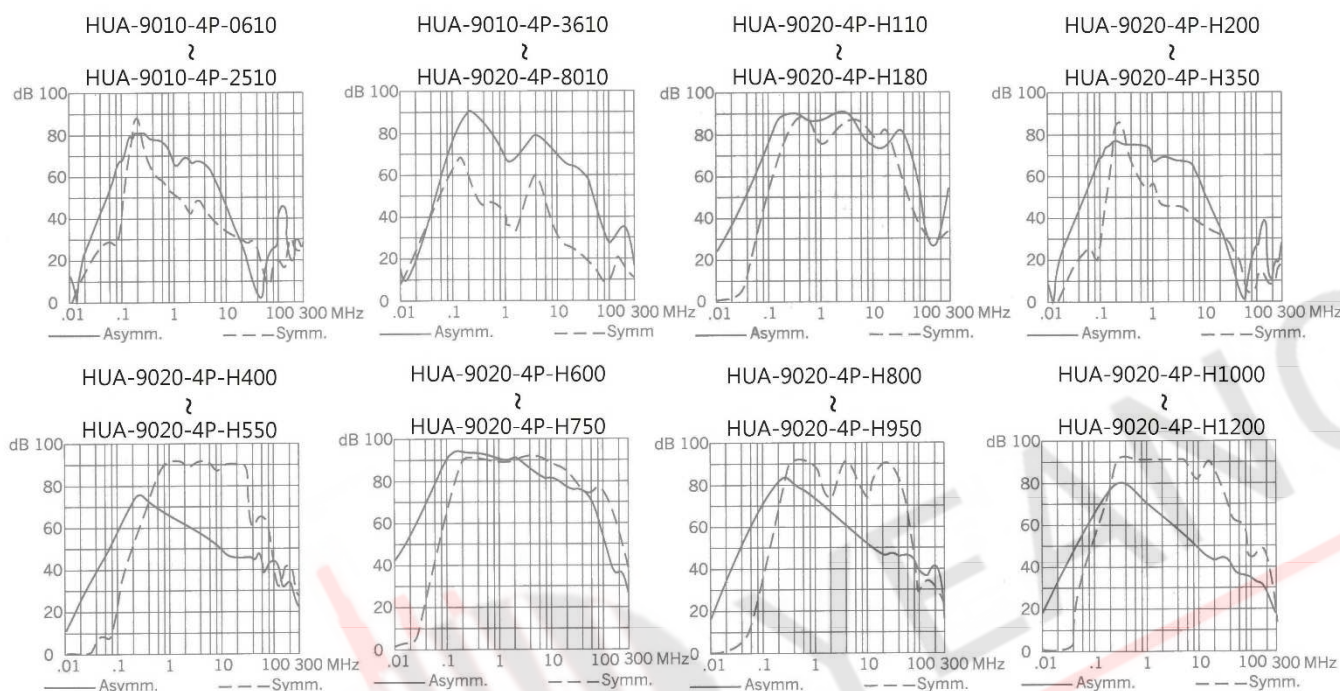
When selecting the filter model, please choose our product based on **1.2 times the full load current** (the filter's safe current range should be 1.2 to 1.5 times the full load current).

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

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)。

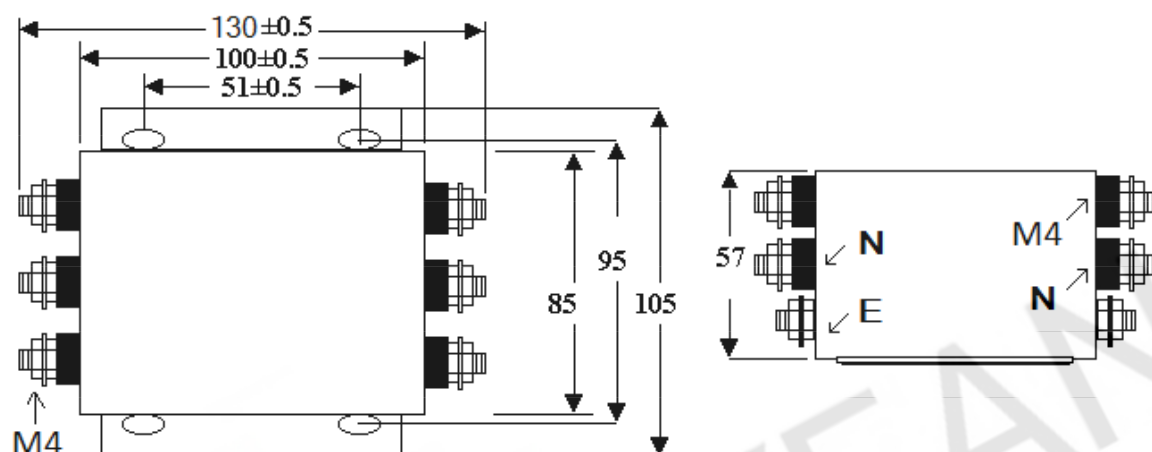
$$\text{變頻器工作電流} = \frac{\text{馬力} \times 746}{\text{工作電壓}}$$

Insertion Loss (衰減值)

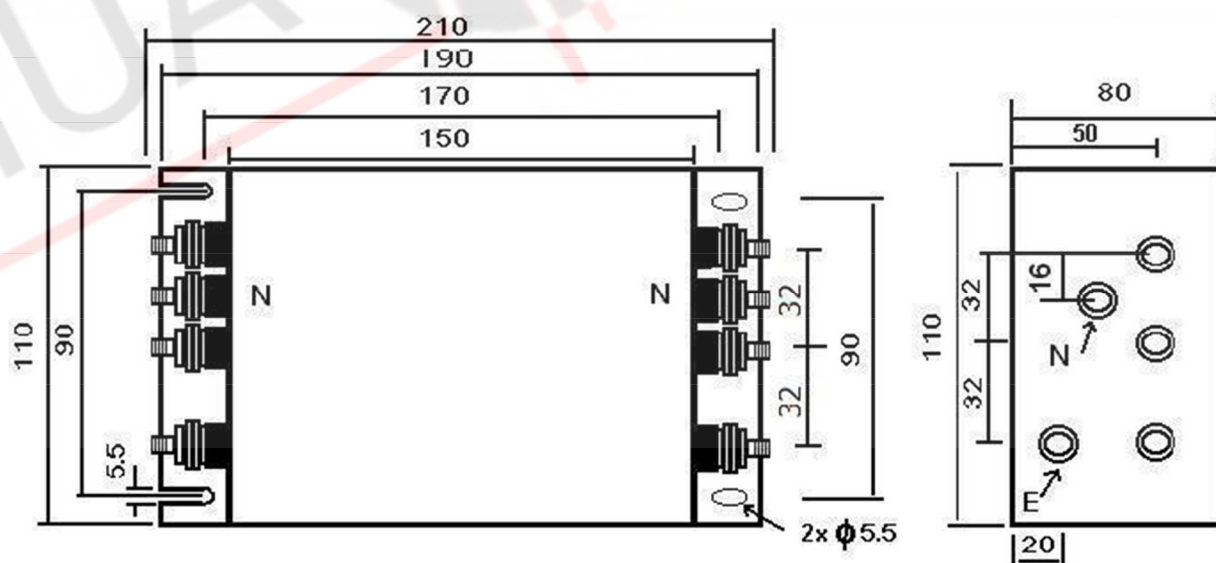


Dimensional Figures (尺寸圖) (Unit : mm)

A

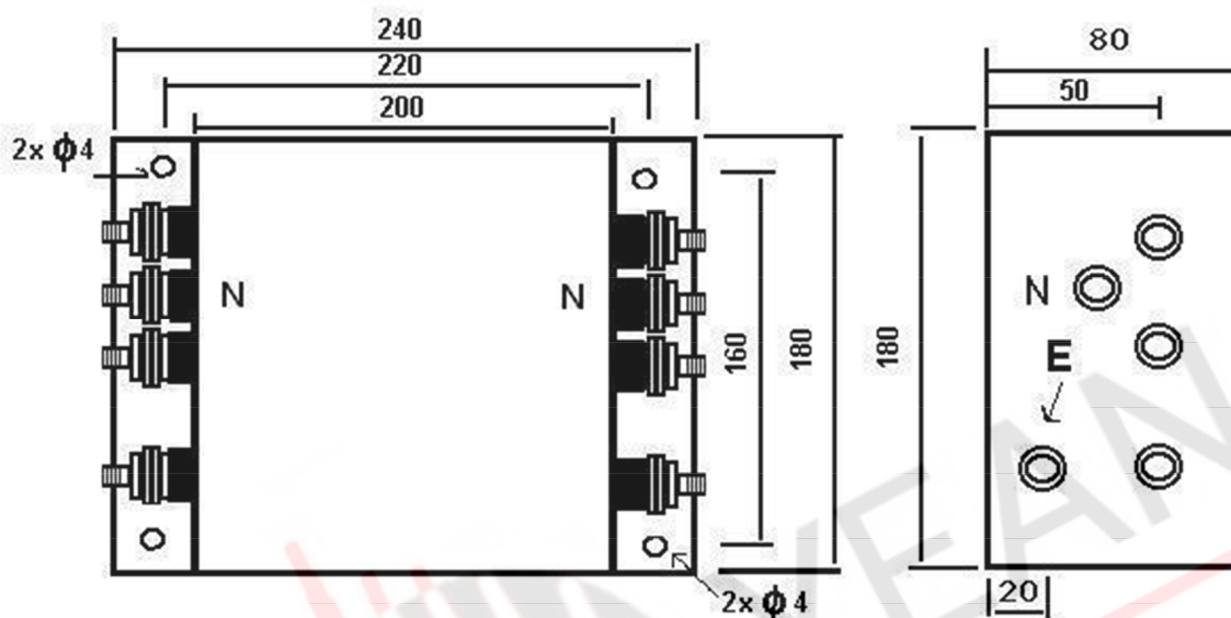


B

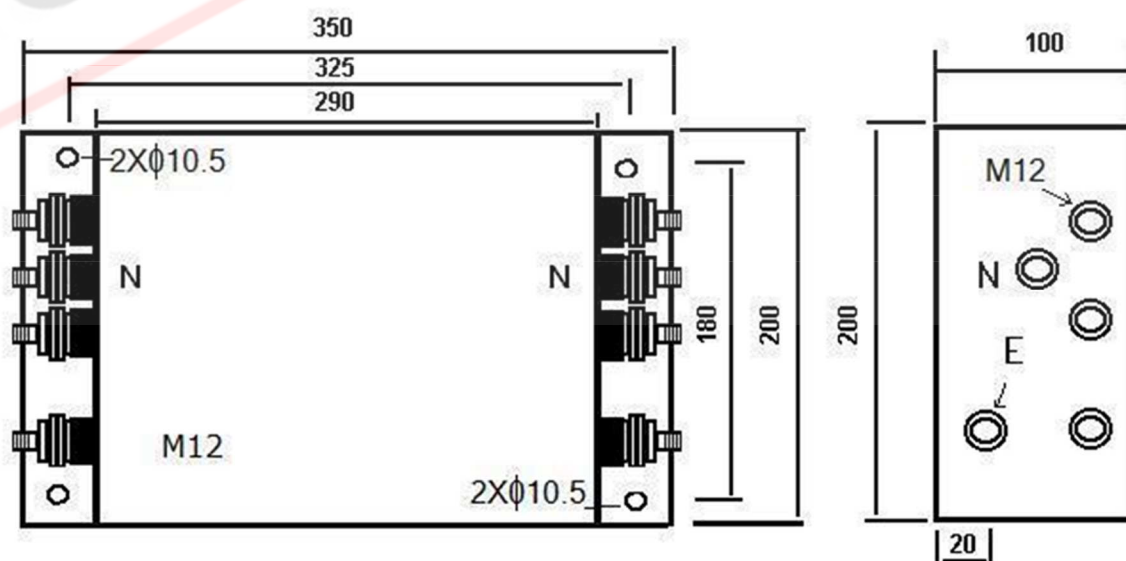


Dimensional Figures (尺寸圖) (Unit : mm)

C

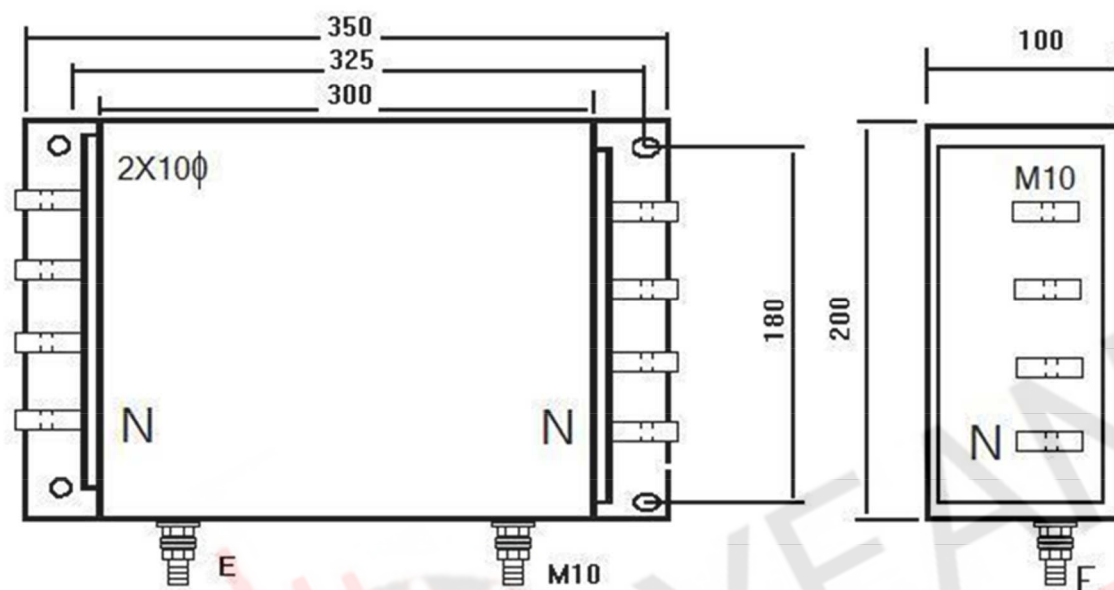


D



Dimensional Figures (尺寸圖) (Unit : mm)

E



F

