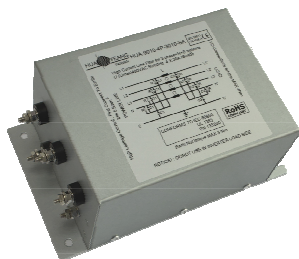


EMC 日規三相四線 AC 單  $\pi$  電源濾波器

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



## Product Features

- Suppressing the inrush current when equipment power on
- Increase equipment tolerance to voltage transients
- Bidirectional filtering between power grid and equipment
- High differential and common-mode attenuation
- Rated currents from 1 to 1200A

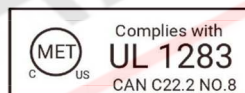
## 產品特點

- 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
- 優異的共模及差模的雜訊抑制效果
- 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<br>L → N 2500 VDC                     |
| Insulation Resistance       | L → E ≥ 3000MΩ<br>L → N ≥ 2000MΩ                                |
| Certified to                | UL 1283, EN55011, EN55022, CISPR 16-2-3,<br>EN/IEC 60950, 61000 |

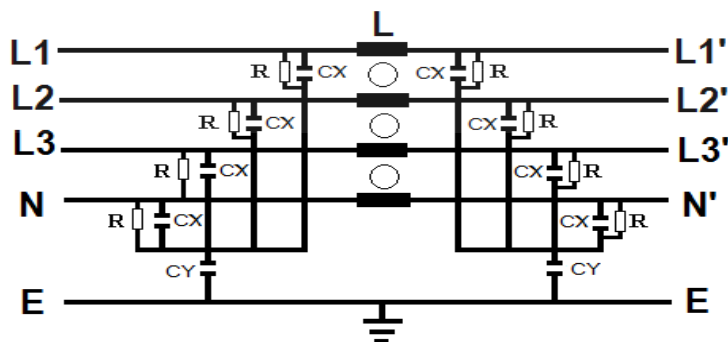
## Approvals &amp; Compliances



## Applications

- Electrical and electronic equipment
- Power supply
- Variable-frequency Drive
- High power office equipment
- Medical equipment (OEM)

## Typical Electrical Schematic



AC circuit (One-stage)

AC 電源濾波電路(單  $\pi$  迴路)

## Filter Selection Table

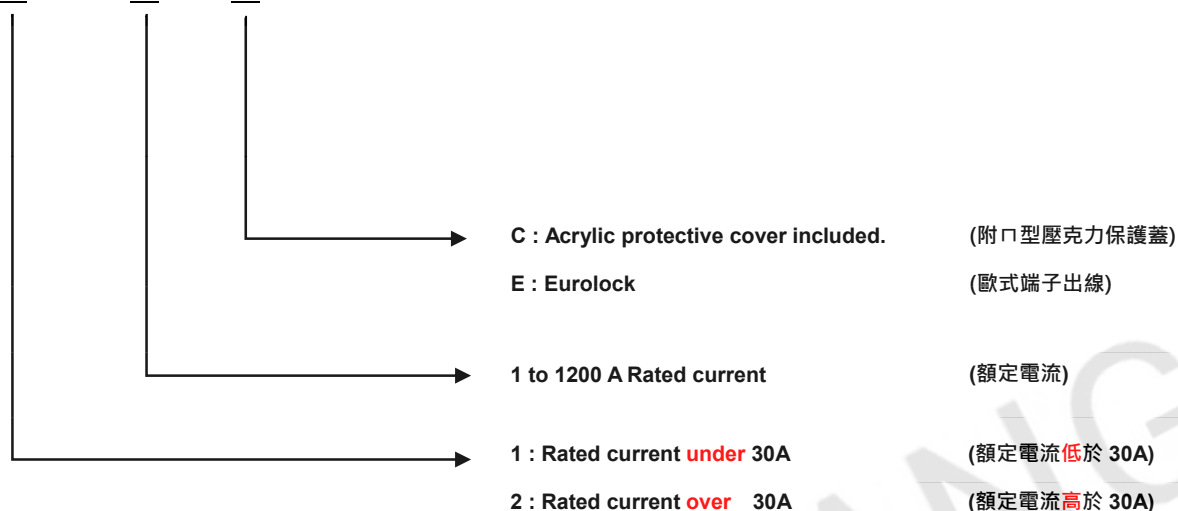
| Model                | Rated current<br>@ 40°C<br>[A] | Rated voltage<br>[VAC] | Resistance<br>L-L'<br>( ±15% )<br>[mΩ] | Power loss<br>( total ±15% )<br>[W] | Dimensional<br>figures |
|----------------------|--------------------------------|------------------------|----------------------------------------|-------------------------------------|------------------------|
| HUA-9010-4P-0610-SA  | 6                              | 0~480                  | 23                                     | 0.828                               | A                      |
| HUA-9010-4P-1010-SA  | 10                             |                        | 28                                     | 2.8                                 |                        |
| HUA-9010-4P-2010-SA  | 20                             |                        | 11.5                                   | 4.6                                 |                        |
| HUA-9010-4P-3010-SA  | 30                             |                        | 4.4                                    | 3.96                                | B                      |
| HUA-9020-4P-4010-SA  | 40                             |                        | 3.32                                   | 5.312                               |                        |
| HUA-9020-4P-5010-SA  | 50                             |                        | 1.3                                    | 3.25                                |                        |
| HUA-9020-4P-6410-SA  | 64                             |                        | 1.1                                    | 4.5056                              |                        |
| HUA-9020-4P-8010-SA  | 80                             |                        | 1.17                                   | 7.488                               | C                      |
| HUA-9020-4P-H110-SA  | 110                            |                        | 0.75                                   | 9.075                               |                        |
| HUA-9020-4P-H125-SA  | 125                            |                        | 0.75                                   | 11.71875                            |                        |
| HUA-9020-4P-H150-SA  | 150                            |                        | 0.6                                    | 13.5                                |                        |
| HUA-9020-4P-H180-SA  | 180                            |                        | 0.37                                   | 11.988                              |                        |
| HUA-9020-4P-H200-SA  | 200                            |                        | 0.35                                   | 14                                  | D                      |
| HUA-9020-4P-H250-SA  | 250                            |                        | 0.22                                   | 13.75                               |                        |
| HUA-9020-4P-H300-SA  | 300                            |                        | 0.11                                   | 9.9                                 |                        |
| HUA-9020-4P-H350-SA  | 350                            |                        | 0.06                                   | 7.35                                | E                      |
| HUA-9020-4P-H400-SA  | 400                            |                        | 0.06                                   | 9.6                                 |                        |
| HUA-9020-4P-H450-SA  | 450                            |                        | 0.06                                   | 12.15                               |                        |
| HUA-9020-4P-H500-SA  | 500                            |                        | 0.046                                  | 11.5                                |                        |
| HUA-9020-4P-H550-SA  | 550                            |                        | 0.046                                  | 13.915                              |                        |
| HUA-9020-4P-H600-SA  | 600                            |                        | 0.046                                  | 16.56                               |                        |
| HUA-9020-4P-H650-SA  | 650                            |                        | 0.046                                  | 19.435                              | F                      |
| HUA-9020-4P-H700-SA  | 700                            |                        | 0.046                                  | 22.54                               |                        |
| HUA-9020-4P-H750-SA  | 750                            |                        | 0.046                                  | 25.875                              |                        |
| HUA-9020-4P-H800-SA  | 800                            |                        | 0.046                                  | 29.44                               |                        |
| HUA-9020-4P-H850-SA  | 850                            |                        | 0.046                                  | 33.235                              |                        |
| HUA-9020-4P-H900-SA  | 900                            |                        | 0.046                                  | 37.26                               |                        |
| HUA-9020-4P-H950-SA  | 950                            |                        | 0.046                                  | 41.515                              |                        |
| HUA-9020-4P-H1000-SA | 1000                           |                        | 0.046                                  | 46                                  |                        |
| HUA-9020-4P-H1100-SA | 1100                           |                        | 0.046                                  | 55.66                               |                        |
| HUA-9020-4P-H1200-SA | 1200                           |                        | 0.046                                  | 66.24                               |                        |

\* 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 –4P- □ - SA□



### NOTICE:

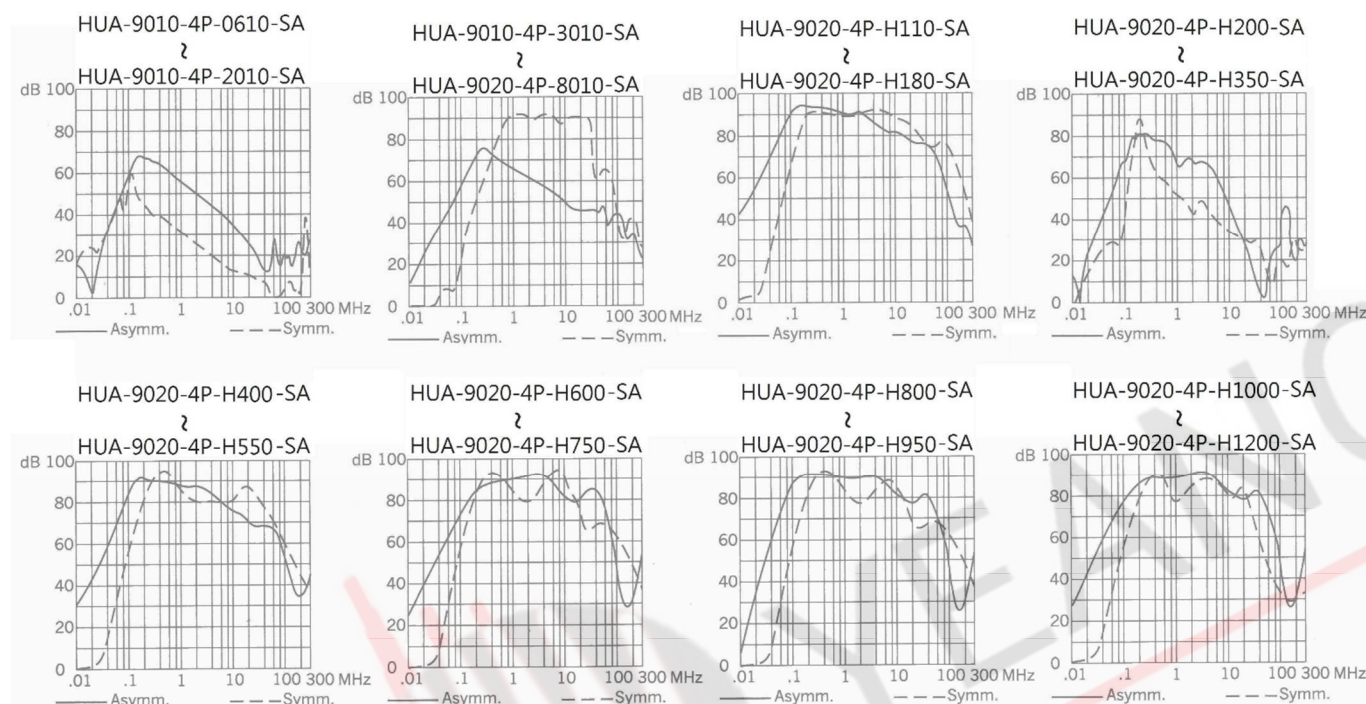
When selecting the filter model, please choose our product based on **1.2 times the full load current** (the filter's safe current range should be 1.2 to 1.5 times the full load current).

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

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)。

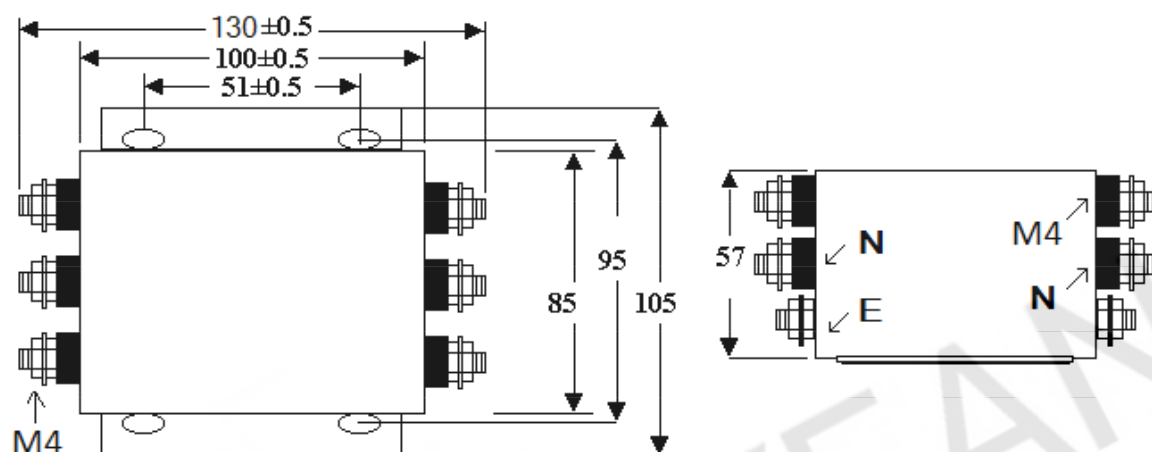
$$\text{變頻器工作電流} = \frac{\text{馬力} \times 746}{\text{工作電壓}}$$

## Insertion Loss (衰減值)

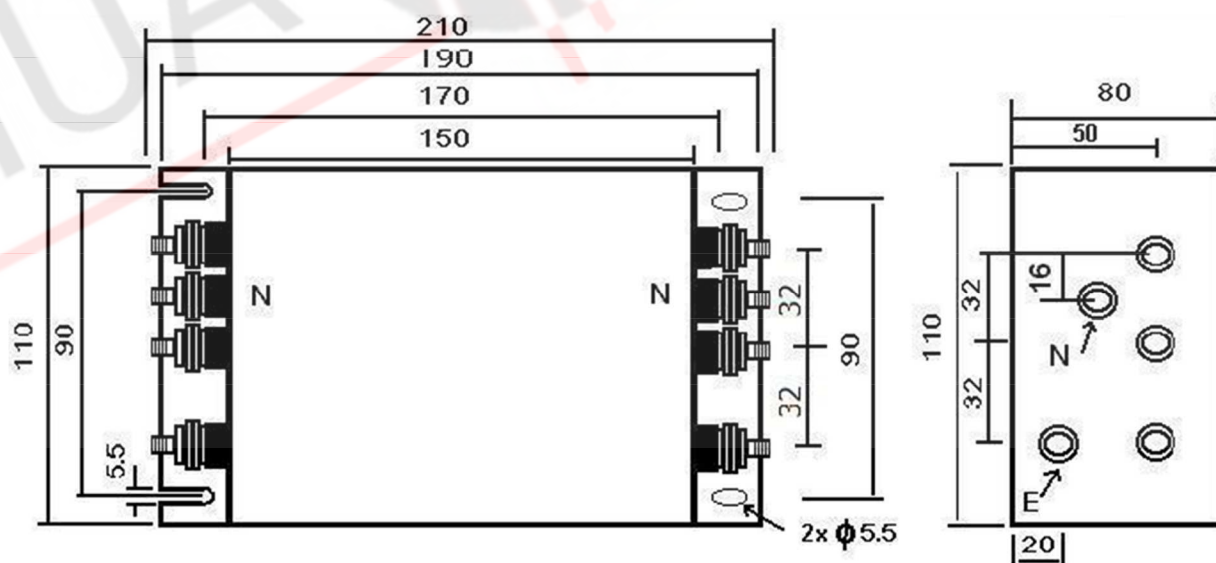


Dimensional Figures (尺寸圖) (Unit : mm)

A

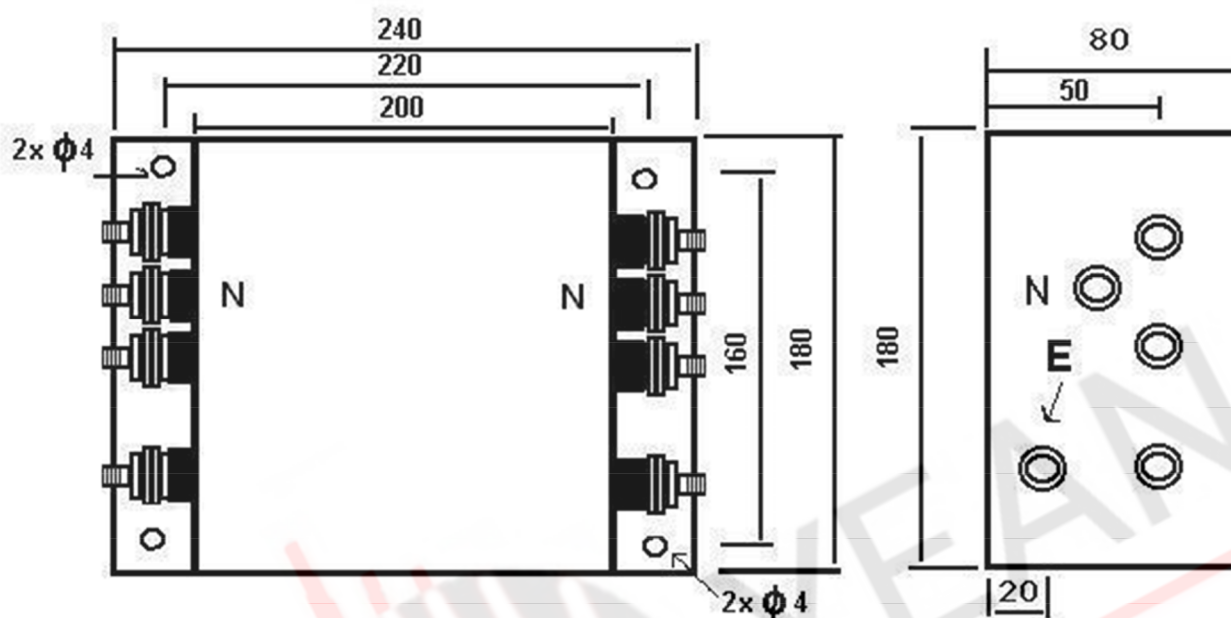


B

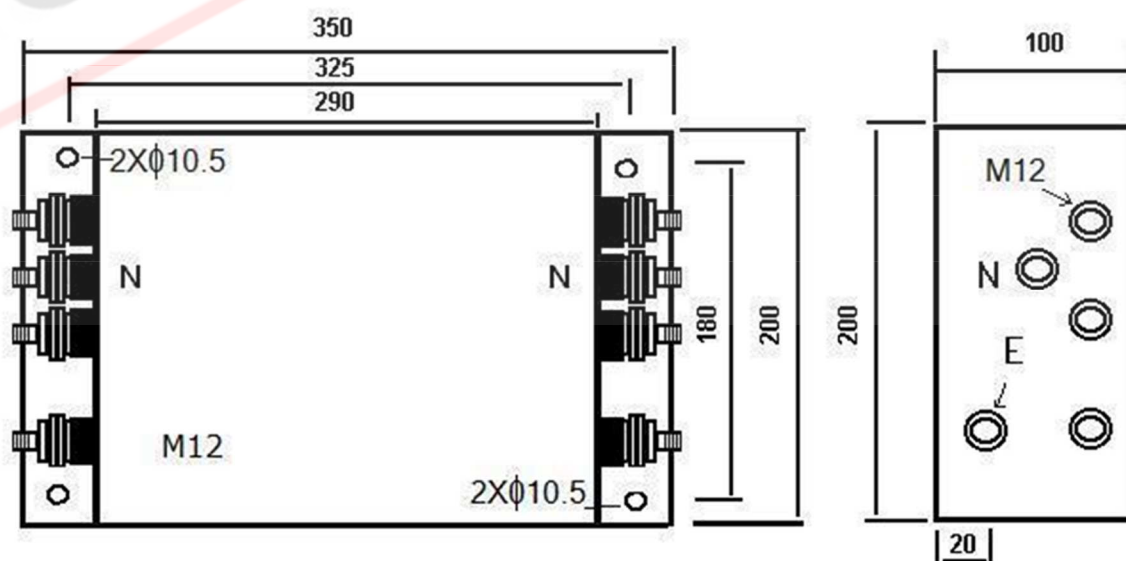


Dimensional Figures (尺寸圖) (Unit : mm)

C

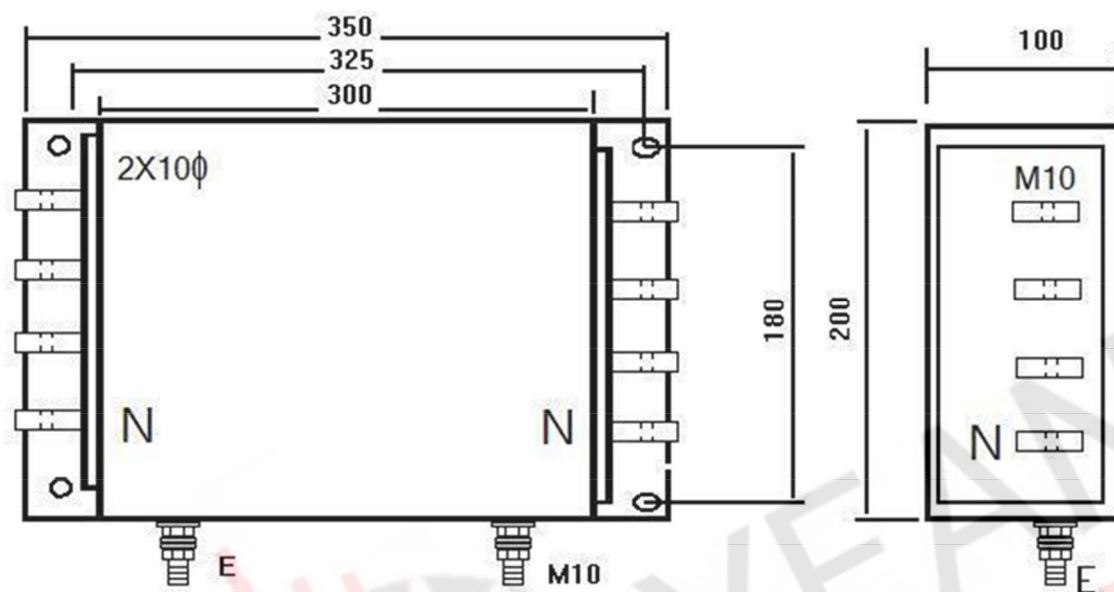


D



Dimensional Figures (尺寸圖) (Unit : mm)

E



F

