

# HUA 高性能/高電流三相電源雜訊抑制濾波器(歐規電路)

## High Current Line Filters for 3-phase systems (EURO)

HUA Series, all-purpose filters to Protection Class A

~480VAC 50/60HZ  $\theta_a$  40°C EN55011 **CE**

CONFORMS  
TO IEC 60 950  
UL 1283  
EN 133200

This family offers high performance, most suitable for 3-phase, 3-line connection system use, particularly for industrial frequency inverters and power driving systems .

本系列電源濾波器為高性能三相三線式電源濾波器,專供工業變頻器.

電力驅動系統和工業設備裝置中的電源裝置.

### Specification

Test Voltage (1 min) : L to E 1500VAC/2250VDC  
L to L 1500VDC

Insulation Resistance : L to E  $\geq 3000M\Omega$   
L to L  $\geq 2000M\Omega$



Current reduction above 40°C ambient temperature:  $I = I_n \sqrt{(85-\theta)/45}$

$\theta$  = operating temperature

濾波器/規格&型號&尺寸

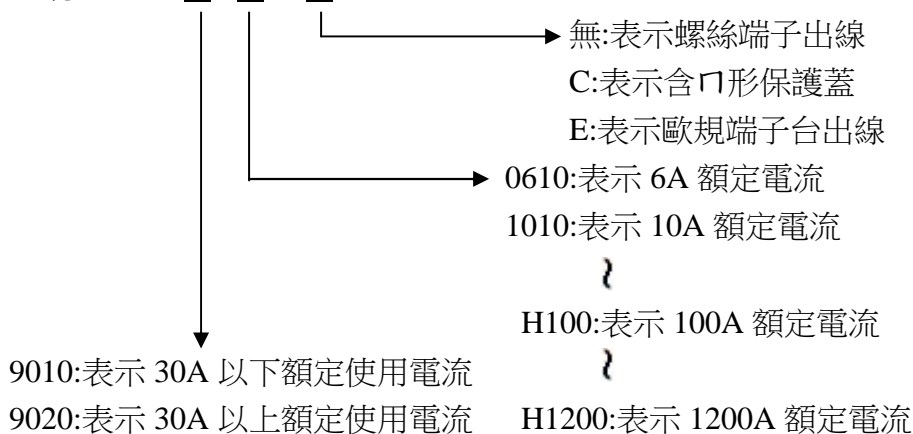
TYPE	In @ $\delta a 40^\circ C$ [ A ]	Umax 50/60Hz [ v ]	Overload Current	Resistance L-L' $\pm 15\%$ [ m $\Omega$ ]	Power Dissipation total $\pm 15\%$ [ W ]	Max. leakage current @480v/60hz		Temperature Rise $^\circ C$	Temperature Range $^\circ C$	Fig
						In3-phase system [ mA ]	Worst Case [ mA ]			
HUA-9010-0610	3×6	480	1.5×In 1 min. per hour	23	0.828	≤5	≤40	≤30	-25~+85	A
HUA-9010-0810	3×8			28	1.792		≤40	≤30	-25~+85	A
HUA-9010-1610	3×16			11.5	2.944		≤40	≤30	-25~+85	A
HUA-9010-2510	3×25			4.4	2.75		≤156	≤30	-25~+85	A
HUA-9010-3610	3×36			3.32	4.30272		≤156	≤30	-25~+85	B
HUA-9020-5010	3×50			1.3	3.25		≤160	≤30	-25~+85	B
HUA-9020-6410	3×64			1.1	4.5056		≤160	≤30	-25~+85	B
HUA-9020-8010	3×80			1.17	7.488		≤167	≤30	-25~+85	B
HUA-9020-H110	3×110			0.75	9.075		≤167	≤30	-25~+85	C
HUA-9020-H125	3×125			0.7	10.9375		≤167	≤30	-25~+85	C
HUA-9020-H150	3×150			0.6	13.5		≤167	≤30	-25~+85	C
HUA-9020-H180	3×180			0.37	11.988		≤167	≤30	-25~+85	C
HUA-9020-H200	3×200			0.35	14		≤167	≤30	-25~+85	C
HUA-9020-H250	3×250			0.22	13.75		≤167	≤30	-25~+85	C

# 濾波器/規格&型號&尺寸

TYPE	In @ $\delta a 40^{\circ}C$ [ A ]	Umax 50/60Hz [ v ]	Overload Current	Resistance L-L' $\pm 15\%$ [ m $\Omega$ ]	Power Dissipation total $\pm 15\%$ [ W ]	Max. leakage current @480v/60hz		Temperature Rise $^{\circ}C$	Temperature Range $^{\circ}C$	Fig
						In3-phase system [ mA ]	Worst Case [ mA ]			
HUA-9020-H300	3 $\times$ 300	480	1.5 $\times$ In 1 min. per hour	0.11	9.9	$\leq 5$	$\leq 174$	$\leq 30$	-25 $\sim$ +85	C
HUA-9020-H350	3 $\times$ 350			0.06	7.35		$\leq 174$	$\leq 30$	-25 $\sim$ +85	D
HUA-9020-H400	3 $\times$ 400			0.06	9.6		$\leq 174$	$\leq 30$	-25 $\sim$ +85	D
HUA-9020-H450	3 $\times$ 450			0.06	12.15		$\leq 195$	$\leq 30$	-25 $\sim$ +85	D
HUA-9020-H500	3 $\times$ 500			0.046	11.5		$\leq 195$	$\leq 30$	-25 $\sim$ +85	D
HUA-9020-H550	3 $\times$ 550			0.046	13.915		$\leq 195$	$\leq 30$	-25 $\sim$ +85	D
HUA-9020-H600	3 $\times$ 600			0.046	16.56		$\leq 195$	$\leq 30$	-25 $\sim$ +85	D
HUA-9020-H650	3 $\times$ 650			0.046	19.435		$\leq 195$	$\leq 30$	-25 $\sim$ +85	D
HUA-9020-H700	3 $\times$ 700			0.046	22.54		$\leq 195$	$\leq 30$	-25 $\sim$ +85	D
HUA-9020-H750	3 $\times$ 750			0.046	25.875		$\leq 195$	$\leq 30$	-25 $\sim$ +85	D
HUA-9020-H800	3 $\times$ 800			0.046	29.44		$\leq 195$	$\leq 30$	-25 $\sim$ +85	D
HUA-9020-H850	3 $\times$ 850			0.046	33.235		$\leq 195$	$\leq 30$	-25 $\sim$ +85	E
HUA-9020-H900	3 $\times$ 900			0.046	37.26		$\leq 195$	$\leq 30$	-25 $\sim$ +85	E
HUA-9020-H950	3 $\times$ 950			0.046	41.515		$\leq 195$	$\leq 30$	-25 $\sim$ +85	E
HUA-9020-H1000	3 $\times$ 1000			0.046	46		$\leq 195$	$\leq 30$	-25 $\sim$ +85	E
HUA-9020-H1100	3 $\times$ 1100			0.046	55.66		$\leq 195$	$\leq 30$	-25 $\sim$ +85	E
HUA-9020-H1200	3 $\times$ 1200			0.046	66.24		$\leq 195$	$\leq 30$	-25 $\sim$ +85	E

## Order Types (訂購型號說明)

型號:HUA - □ - □ - □

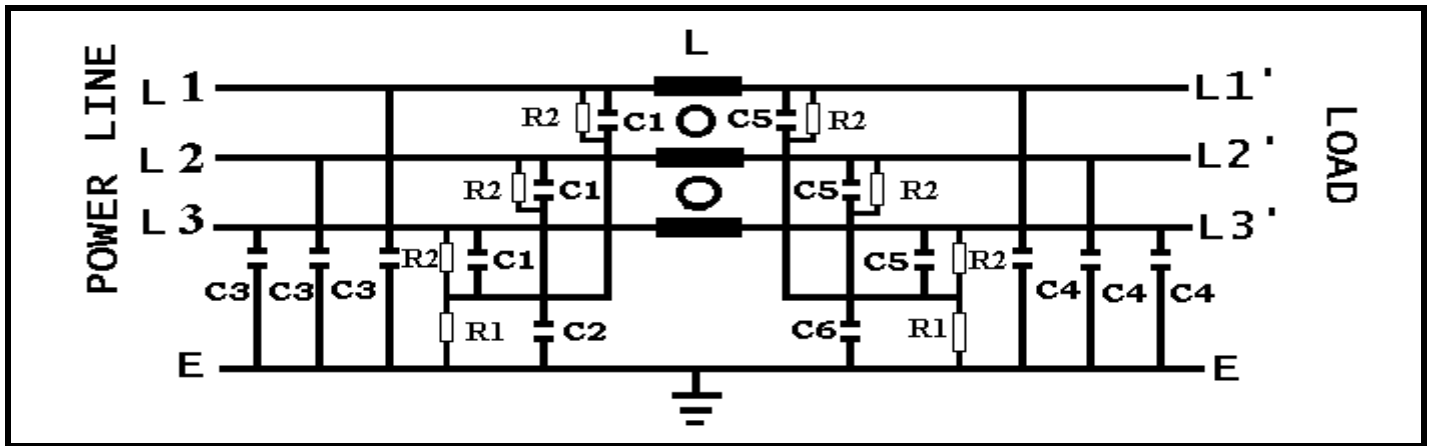


PS:選用濾波器請以變頻器標示全載電流為主要考量

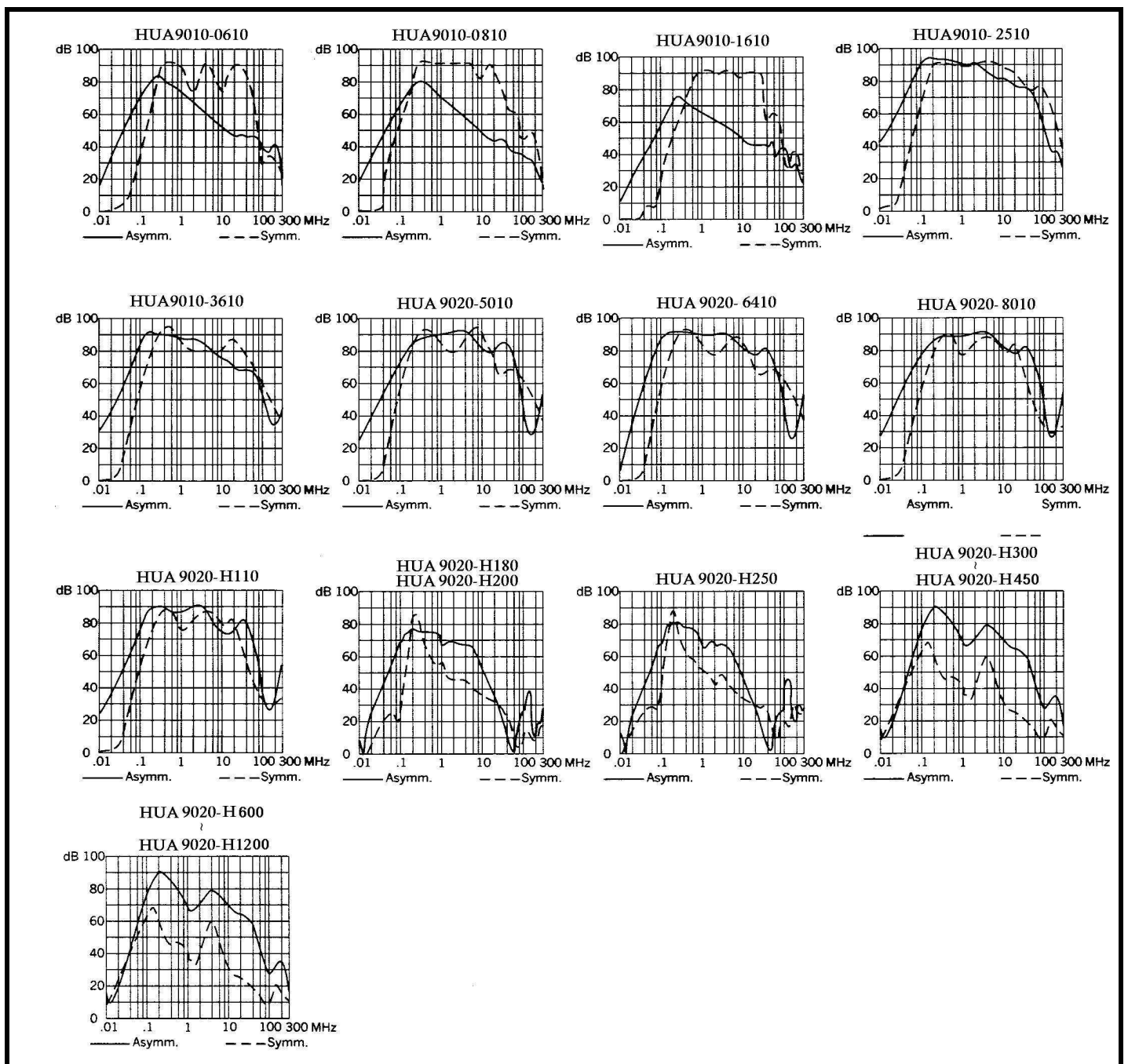
全載電流 $\times 1.2\sim 1.5$ =濾波器安全電流(三相電源請勿除  $\sqrt{3}$  即可)

變頻器(伺服馬達)馬力  $\times 746 /$  工作電壓 = 工作電流 EX: (INV(HP)  $\times 746$ (W) / V = A)

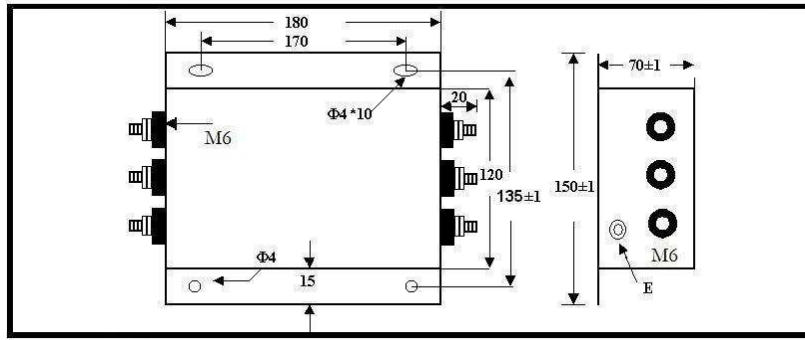
# Circuit Diagram (電路圖)



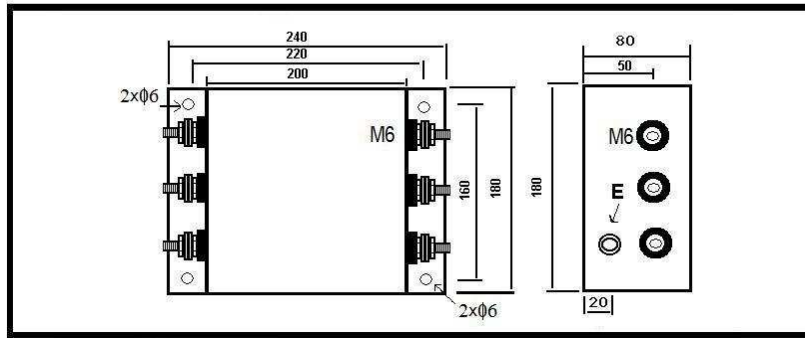
# Insertion loss (衰減曲線圖)



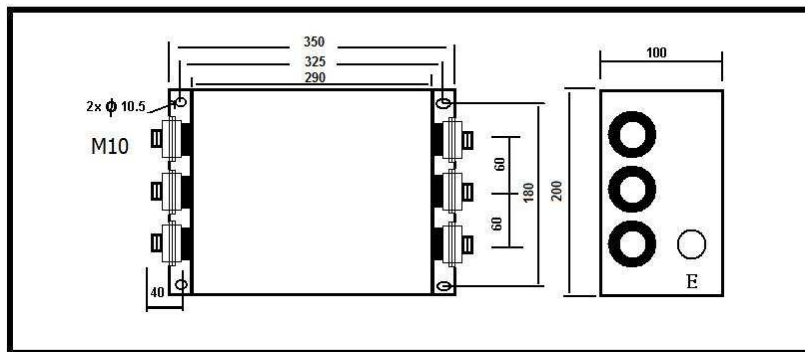
# Dimension (外形尺寸圖)



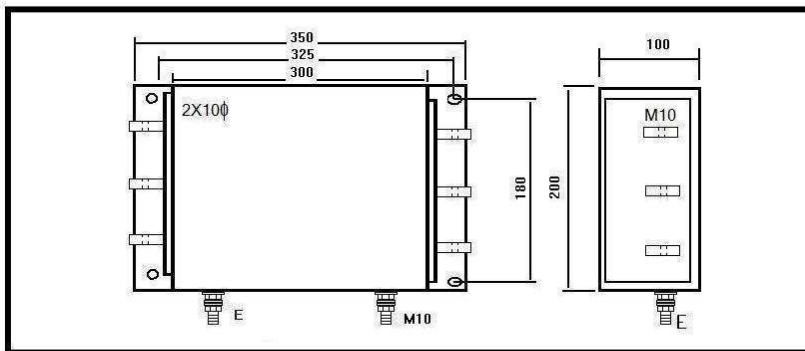
CASE: FIG A 單位:mm



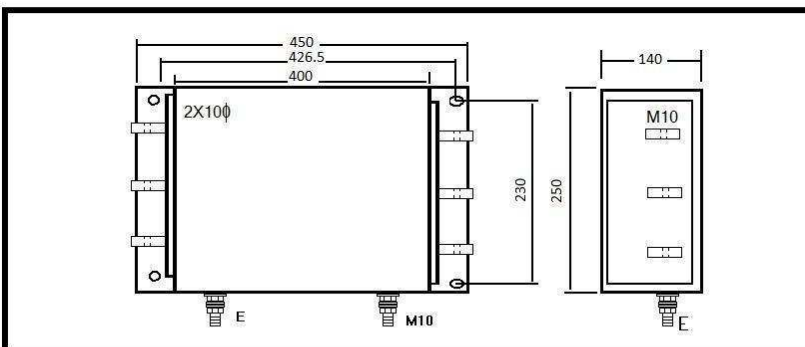
CASE: FIG B 單位:mm



CASE: FIG C 單位:mm



CASE: FIG D 單位:mm



CASE: FIG E 單位:mm