

# HUA 高性能/高電流三相輸出端電源電抗器

## Output Reactor for 3-phase system power frequency Converters

HUA Series, all-purpose filters to Protection Class A **CE** 認證

220~480VAC / 50/60HZ  $\theta$  a 40°C EMC 2004/108/EC LVD 2006/95/EC

CONFORMS TO  
IEC 60950/ UL 1283  
EN 133200

This ZOU series of high performance / high current 3-phase output power reactance peak surge voltage output of the converter can be generated to reduce the damage thereby protecting the motor coil to avoid high electromagnetic waves (EMI) and auditory interference and the PWM inverter inhibit the range of 4-16kHz.

本 ZOU 系列高性能/高電流三相輸出端電源電抗器能將變頻器輸出端所產生峰值突波電壓減少進而保護馬達線圈避免高電磁波(EMI)損害和聽覺干擾.PWM 變頻器抑制範圍 4-16kHz.

### 產品優點：

- \_ 體積小
- \_ 高透磁率
- \_ 頻帶範圍寬
- \_ 保護馬達線圈
- \_ 高飽和磁通密度
- \_ 降低變頻器輸出電源側峰值突波電壓

### Advantages:

- \_ Small size
- \_ High permeability
- \_ Wide frequency range
- \_ To protect the motor coil
- \_ High saturation flux density
- \_ Reduce the peak surge voltage of the power supply side of the inverter output



### Specification

Test Voltage ( 2 sec ) :L to E 1500VAC/3000VDC

L to L 2250VDC

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

L to L  $\geq 2000M\Omega$

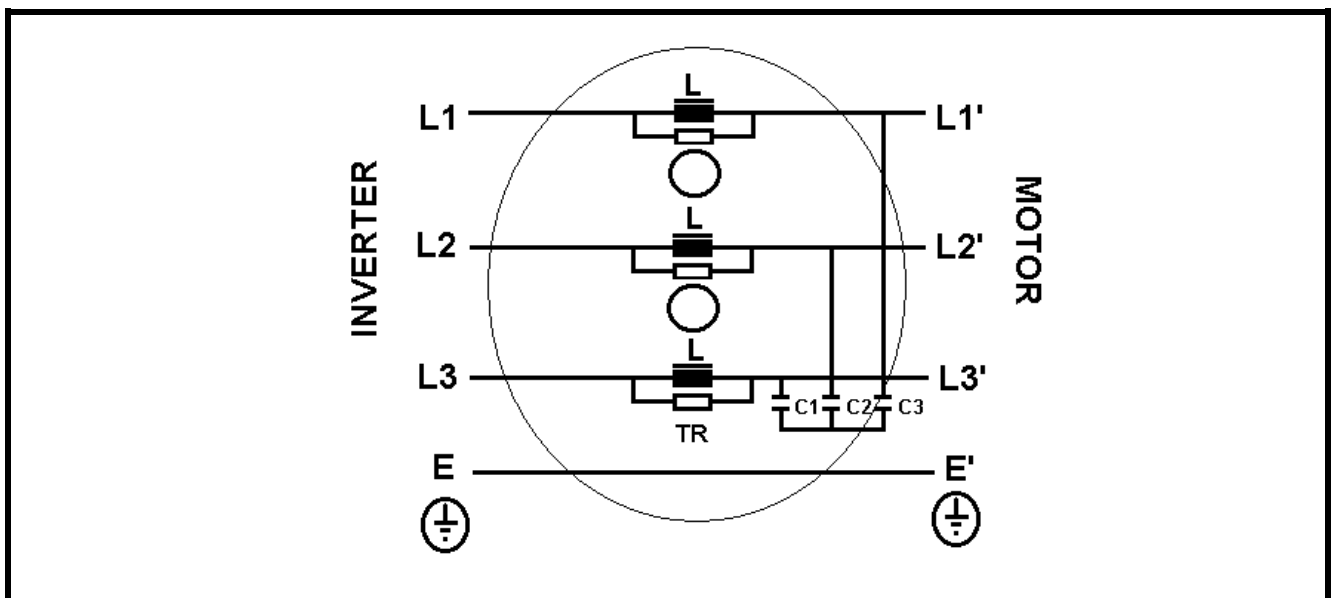
Current reduction above 40°C

ambient temperature:  $I=I_n\sqrt{(85-\theta)/45}$   $\theta$  = operating temperature

輸出端電源電抗器/規格&型號&尺寸(Specification & Type & Size)

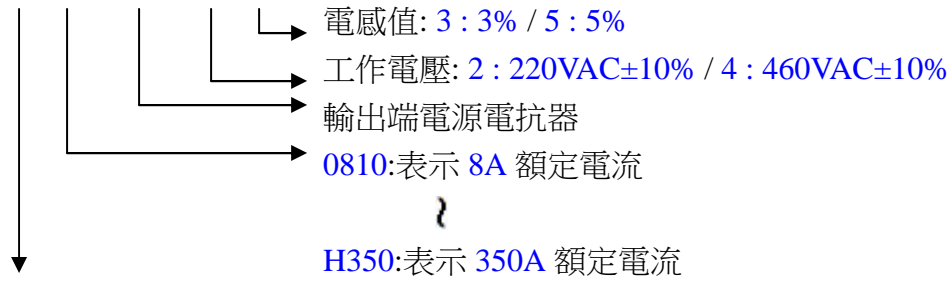
TYPE	In @ $\delta a 40^{\circ}C$ [ A ]	Umax 50/60Hz [ v ]	Overload Current	Resistance L-L' $\pm 15\%$ [ m $\Omega$ ]	Max. leakage current @ 480v/60Hz In3-phasesystem [ mA ]	Temperature Rise [ $^{\circ}C$ ]	Temperature Range [ $^{\circ}C$ ]	Fig
HUA-9010-0610-ZOU-□□	3×06	480VAC	1.2×In 1 min. per hour	24.1	≤0.5	≤30	-25~+100	A
HUA-9010-0810-ZOU-□□	3×08			24.1		≤30	-25~+100	A
HUA-9010-1010-ZOU-□□	3×10			22.3		≤30	-25~+100	A
HUA-9010-1610-ZOU-□□	3×16			20.2		≤30	-25~+100	A
HUA-9010-2010-ZOU-□□	3×20			15		≤30	-25~+100	A
HUA-9010-2510-ZOU-□□	3×25			11.5		≤30	-25~+100	A
HUA-9010-3010-ZOU-□□	3×30			10		≤30	-25~+100	A
HUA-9020-4010-ZOU-□□	3×40			9.6		≤30	-25~+100	B
HUA-9020-5010-ZOU-□□	3×50			8.7		≤30	-25~+100	B
HUA-9020-6410-ZOU-□□	3×64			8.3		≤30	-25~+100	B
HUA-9020-8010-ZOU-□□	3×80			7.51		≤30	-25~+100	B
HUA-9020-H100-ZOU-□□	3×100			7.3		≤30	-25~+100	B
HUA-9020-H110-ZOU-□□	3×110			7.2		≤30	-25~+100	C
HUA-9020-H150-ZOU-□□	3×150			7		≤30	-25~+100	C
HUA-9020-H180-ZOU-□□	3×180			6.53		≤30	-25~+100	C
HUA-9020-H200-ZOU-□□	3×200			6.51		≤30	-25~+100	C
HUA-9020-H250-ZOU-□□	3×250			6.5		≤30	-25~+100	C
HUA-9020-H300-ZOU-□□	3×300			6.		≤30	-25~+100	C
HUA-9020-H350-ZOU-□□	3×350			5.8		≤30	-25~+100	D

Circuit diagram (電路圖)



### Order Types (訂購型號說明)

型號:HUA - □ - □ - ZOU - □ □



9010:表示 30A 以下額定電流

9020:表示 30A 以上額定電流

EX: HUA-9020-5010-ZOU-25 額定電流: 50A / 輸出端電源電抗器 / 工作電壓: 220VAC / 電感值: 5%

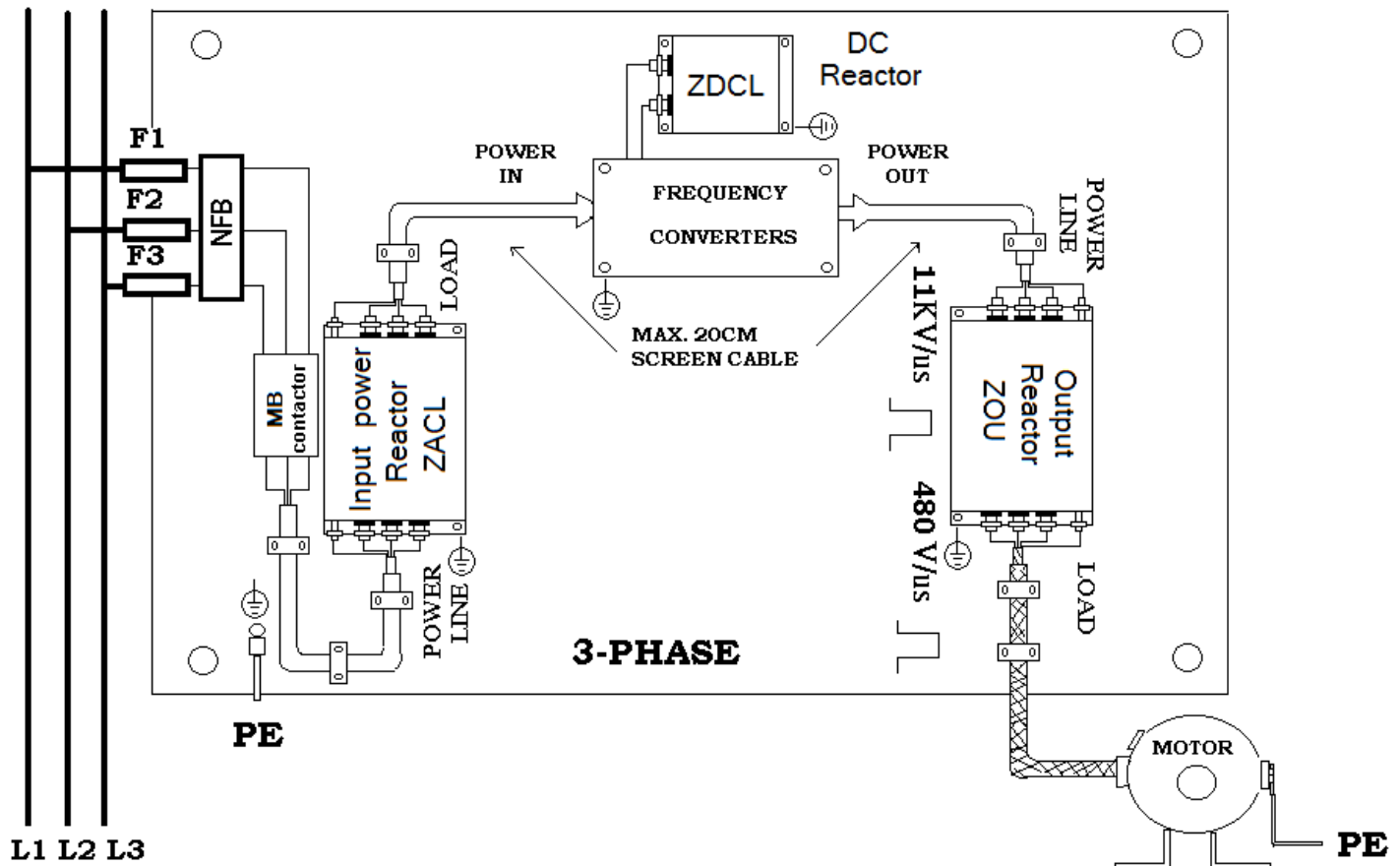
PS:選用輸出端電源電抗器請以變頻器標示全載電流為主要考量,變頻器工作中由於頻率快速切換

關係輸出端電源電抗器可能有快速且溫昇較高情形,裝置於盤內請務必加裝散熱風,加強通風設備.

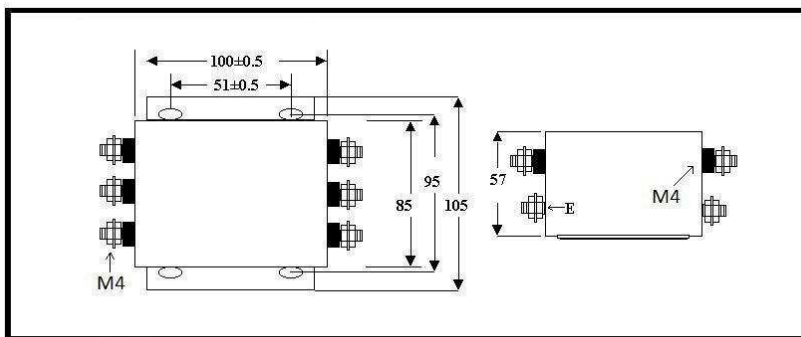
全載輸出電流\*1.2~1.5=濾波器安全電流(三相電源請勿除  $\sqrt{3}$ )

變頻器馬力 X 746 / 工作電壓 = 工作電流 (INV(HP) X 746(W) / V = A)

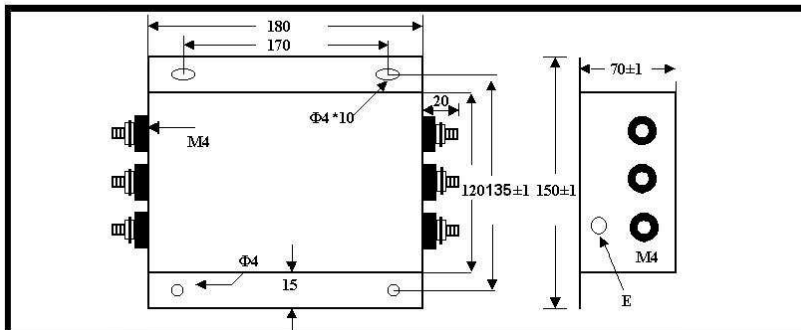
### Wiring diagram (接線圖)



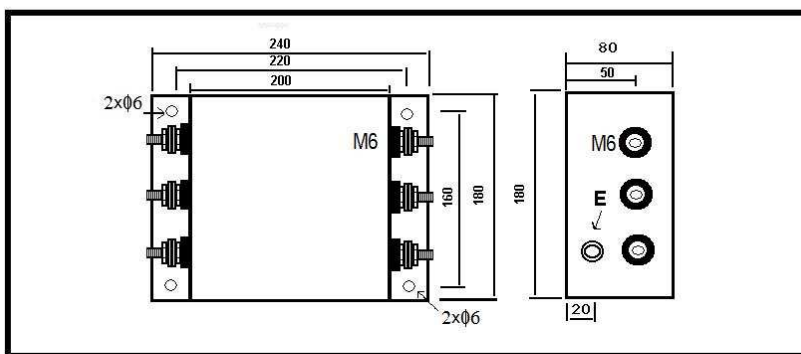
### Dimension (外形尺寸圖)



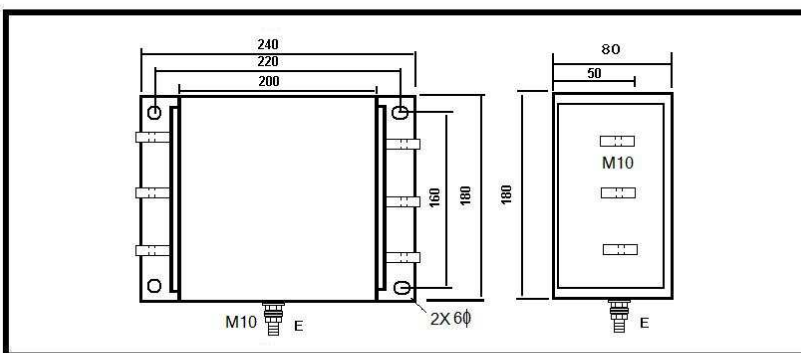
CASE: FIG A 單位:mm



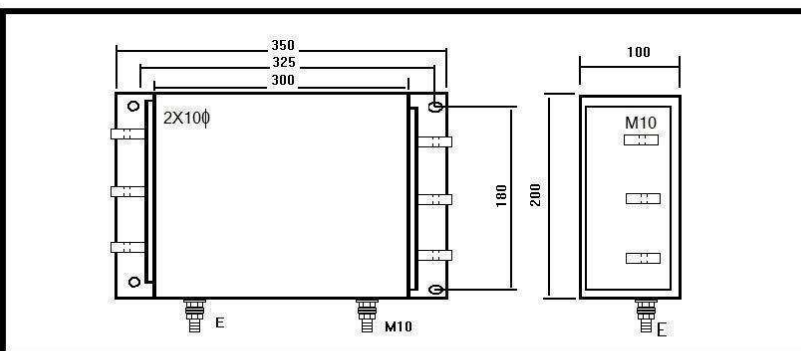
CASE: FIG B 單位:mm



CASE: FIG C 單位:mm



CASE: FIG D 單位:mm



CASE: FIG E 單位:mm