

EMC 變頻器直流電抗濾波器(DC 電抗器)

EMC DC Line Reactor for VFD (DC Reactor)



Product Features

- Suppressing the inrush current when VFD power on
- Reducing the harmonic noise on the mains side
- Ensure reliability and life cycle of electrical devices
- Reducing rectifier bridge damage from impulse current
- Rated currents from 1 to 1100A

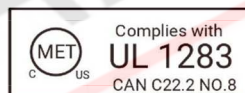
產品特點

- 抑制湧浪電流
- 減少電源端產生的諧波雜訊
- 增加設備的穩定性與使用壽命
- 防止整流橋因脈衝電流而受損
- 本系列支援最高 1100A 的電流

Technical Specifications

Rated voltage	0~1000 VDC
Rated currents	1 to 1100A @ 40°C
Overload current	1.2 × Rated Current (1 min./hour)
Max Leakage current	≤ 0.1 mA
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

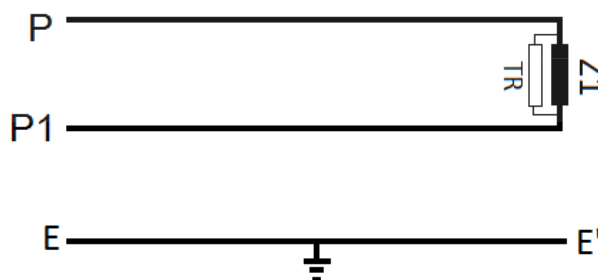
Approvals & Compliances



Applications

- Variable-frequency Drive
- Energy-saving equipment
- Robots
- HVAC equipment
- Electrical and electronic equipment

Typical Electrical Schematic



DC circuit

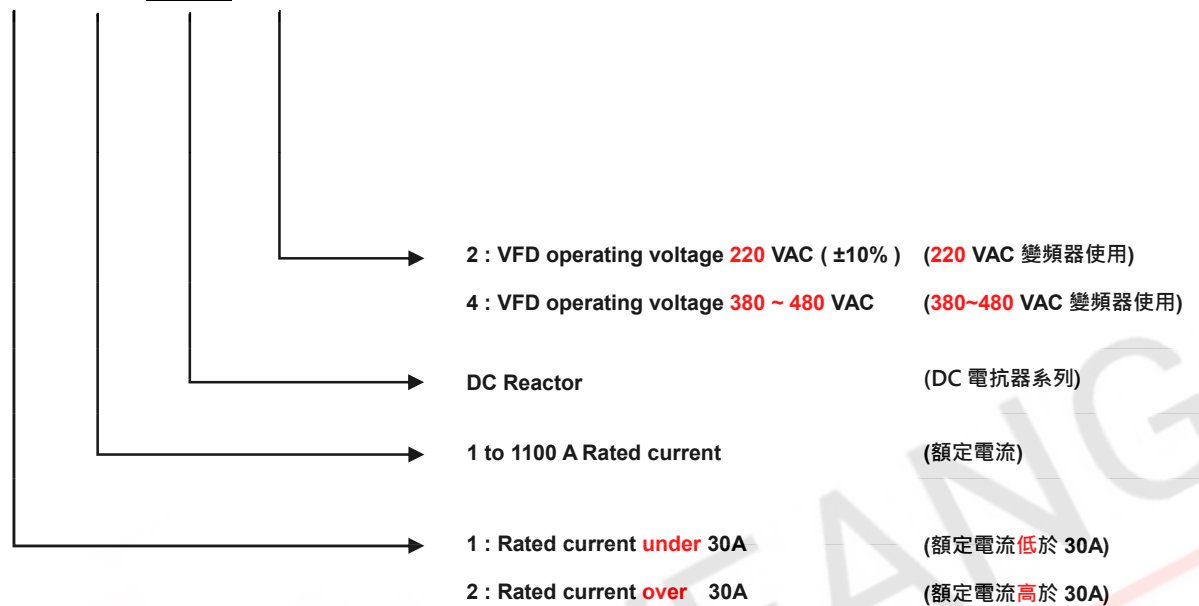
DC 電源濾波電路

Filter Selection Table

Model	Rated current @ 40°C	Rated voltage	Resistance L-L' (±15%)	Power loss (total ±15%)	Dimensional figures
	[A]	[VDC]	[mΩ]	[W]	
HUA-9010-0410-ZDCL-□	4		24.1	0.386	A
HUA-9010-0610-ZDCL-□	6		23.7	0.853	
HUA-9010-0810-ZDCL-□	8		23	1.472	
HUA-9010-1010-ZDCL-□	10		22.3	2.23	
HUA-9010-1610-ZDCL-□	16		20	5.12	
HUA-9010-2010-ZDCL-□	20		15	6	
HUA-9010-3010-ZDCL-□	30		2.5	2.25	
HUA-9020-4010-ZDCL-□	40		2.4	3.84	
HUA-9020-5010-ZDCL-□	50		2.3	5.75	
HUA-9020-6410-ZDCL-□	64		1.17	4.792	B
HUA-9020-8010-ZDCL-□	80	0~1000	1.1	7.04	
HUA-9020-H100-ZDCL-□	100		0.8	8	
HUA-9020-H125-ZDCL-□	125		0.71	11.094	
HUA-9020-H150-ZDCL-□	150		0.6	13.5	
HUA-9020-H180-ZDCL-□	180		0.5	16.2	
HUA-9020-H200-ZDCL-□	200		0.4	16	
HUA-9020-H250-ZDCL-□	250		0.37	23.125	
HUA-9020-H300-ZDCL-□	300		0.37	33.3	
HUA-9020-H350-ZDCL-□	350		0.25	30.625	D
HUA-9020-H400-ZDCL-□	400		0.25	40	
HUA-9020-H450-ZDCL-□	450		0.25	50.625	
HUA-9020-H500-ZDCL-□	500		0.17	42.5	
HUA-9020-H550-ZDCL-□	550		0.17	51.425	
HUA-9020-H600-ZDCL-□	600		0.17	61.2	
HUA-9020-H650-ZDCL-□	650		0.17	71.825	
HUA-9020-H700-ZDCL-□	700		0.11	53.9	E
HUA-9020-H750-ZDCL-□	750		0.11	61.875	
HUA-9020-H800-ZDCL-□	800		0.11	70.4	
HUA-9020-H850-ZDCL-□	850		0.074	53.465	
HUA-9020-H900-ZDCL-□	900		0.074	59.94	
HUA-9020-H950-ZDCL-□	950		0.074	66.785	
HUA-9020-H1000-ZDCL-□	1000		0.046	46	
HUA-9020-H1100-ZDCL-□	1100		0.046	55.66	

Product Selector

HUA - 90□0 - □ - ZDCL - □



NOTICE:

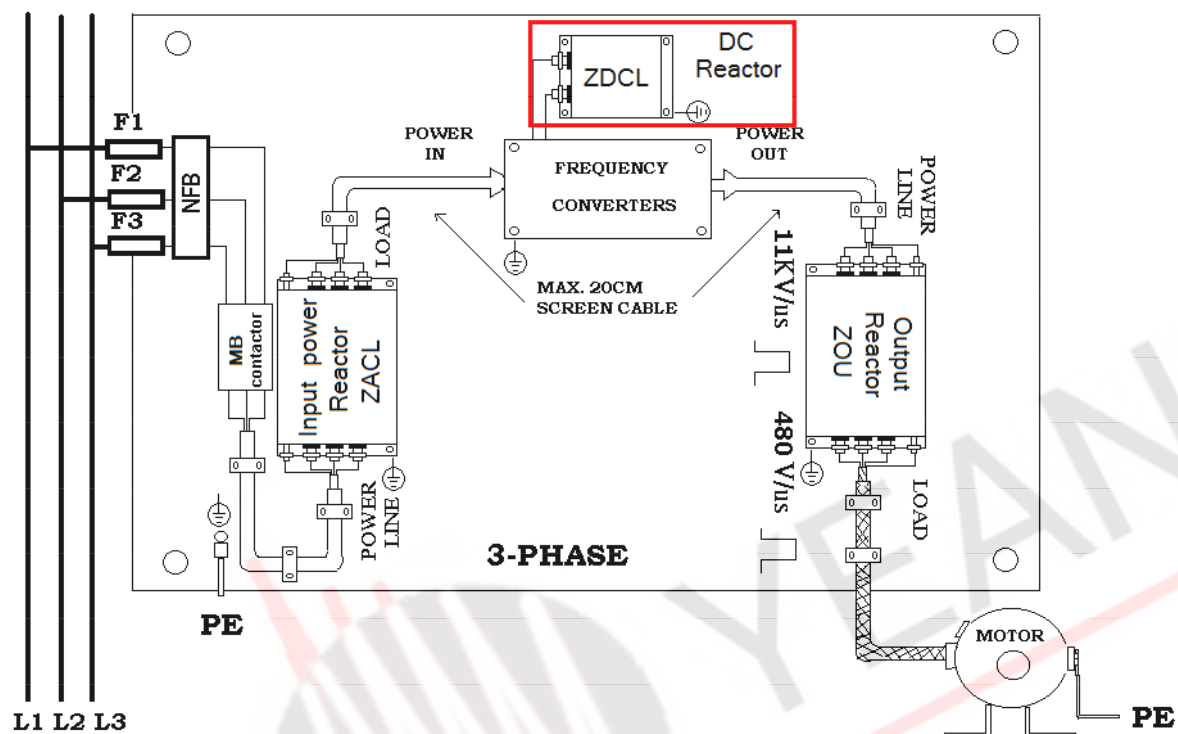
When selecting the reactor model, please choose our product based on **1.2 times the full load current** (the reactor's safe current range should be 1.2 to 1.5 times the full load current).

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

選擇電抗器型號時，請根據**全載電流的 1.2 倍**來選擇我們的產品
 (電抗器的安全電流範圍應為全載電流的 1.2 至 1.5 倍)。

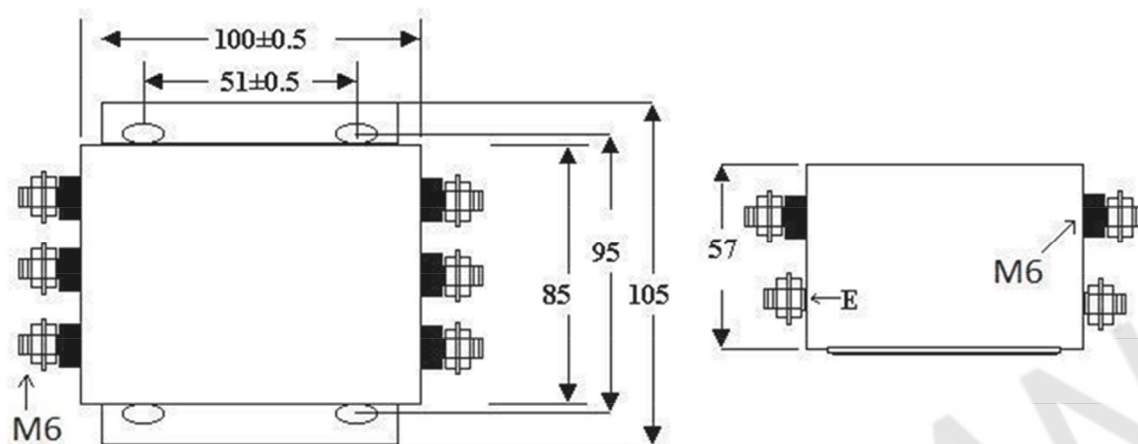
$$\text{變頻器工作電流} = \frac{\text{馬力} \times 746}{\text{工作電壓}}$$

Wiring Diagram (接線圖)

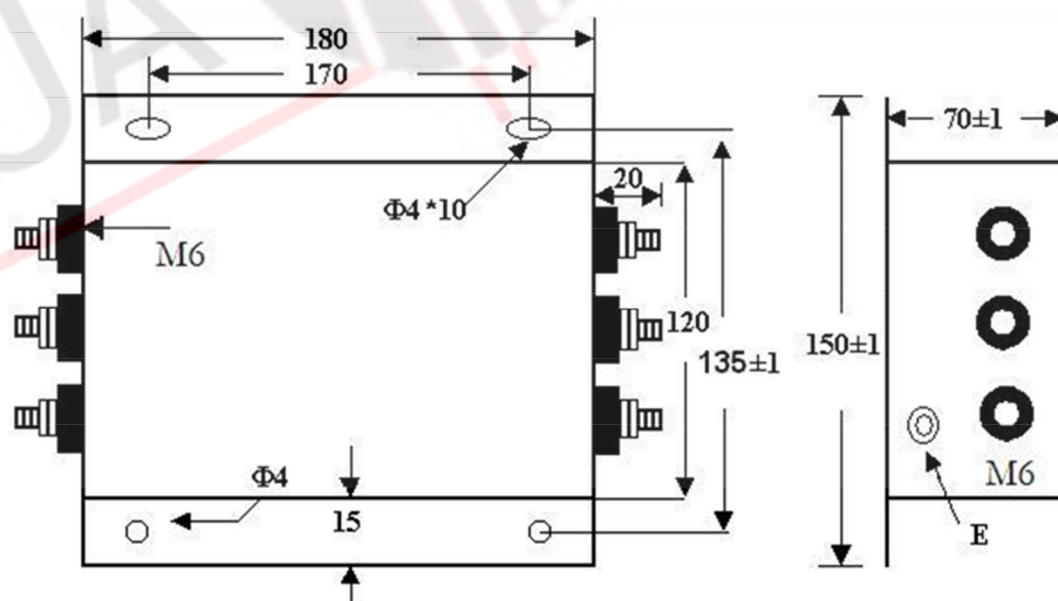


Dimensional Figures (尺寸圖) (Unit : mm)

A

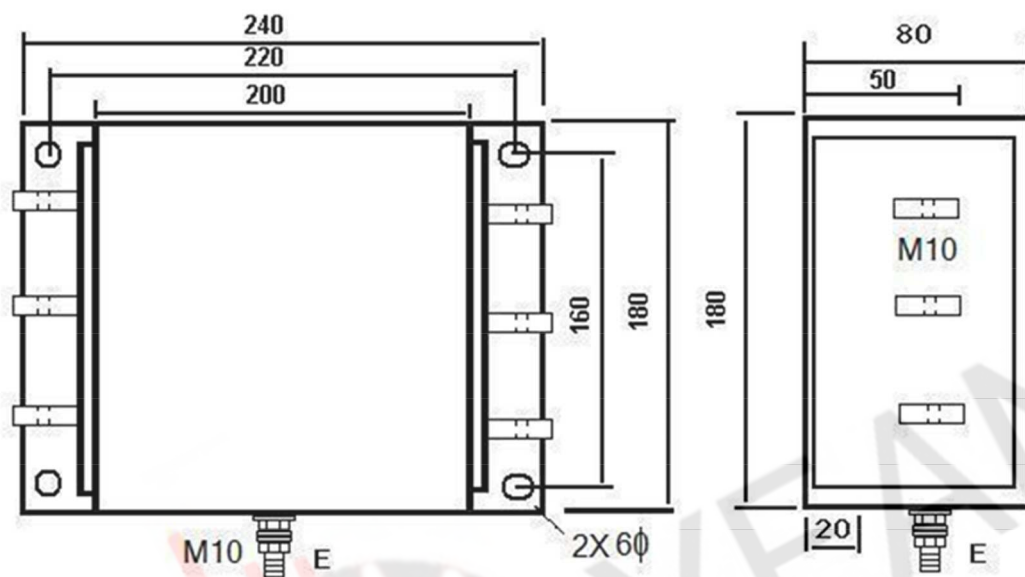


B



Dimensional Figures (尺寸圖) (Unit : mm)

D



E

