



皇品科技有限公司

HUANG PIN TECHNOLOGY INDUSTRIAL CO., LTD



RoHS





品質 信實 創新 銷售 全球



管理  
Manage

01



暢銷  
Sell well

02



信用  
Credit

03



專精  
Specialty

04



研發  
Research

05



細膩  
exquisite

07



創意  
Design

06



實惠  
Substantial

08



# 公司簡介 INTRODUCTION

## 堅持提供最好的產品及服務

**皇品科技有限公司** 創立於民國96年(西元2006年)，前身為皇品企業社，廠址為於新北市樹林區，所生產的馬達電容器已有超過30年的生產經驗與技術，在業界獲得客戶至高評價，為了服務更廣大的客戶群，本公司已在2013年申請過美國UL認證，申請容量範圍值最高、電壓範圍值最大。

專門生產馬達AC起動電解電容器、電木殼起動電容器。產品適用於電氣機器及家電產品，例如:壓縮機，馬達，幫浦.....。

產品遵從UL810、JIS-4905、CNS4328、C7029規範，加上精密製程技術及品質嚴格控管，規格種類最多，並可依客戶的需求來量身訂做產品，生產效率最高，配合度最高，交貨迅速，提供客戶滿足的產品及服務為我們的永續經營方針。

### 經營的三大策略

一直以來我們朝著"High quality高品質、Professional專業、efficiency效率"這些目標前進並獲得廣大客戶的好評。



# 簡介

synopsis



## 鋁殼型錄

CD60-1型電容器採用鋁製外殼,端子類型皆有螺絲型、L型、U型 187#250#端子做為引出端子,電容外殼則是用PVC熱縮套管包覆絕緣。並可根據客戶的需求設計和製造相對應的產品

CD60-1 Electrolytic Motor starting capacitors are made of aluminium foils and separated by a leaf of impregnated paper as the electrolyte. They are normally used in single phase induction motors in order to increase the value of the starting torque



### LIFE TEST

(c) Shall be tested by applying rated voltage for one second shorted to 29 seconds, passed 75,000 cycle.

(d) Life test results of capacitors with power factor and electrostatic capacity must be 20% and 25% max.

### Remarks

(a) shall be tested by applying 1.4x Rated voltage between two terminals for 30 seconds.

(b) shall be tested by applying 1.2x Rated voltage between two terminals for 120 seconds.

(c) According to JIS 4905



## 電氣特性(ELECTRICAL SPECIFICATIONS)

Capacitance Range (容量範圍): 25 ~ 1536 MFD  
Voltage Ratings (額定電壓): 110, 125, 165, 220, 250, 330 VAC  
Capacitance Tolerance (容量誤差值): -0 ~ +20%  
Rated Frequency (額定功率): 50/60 HZ  
Operating Temperature(溫度範圍): -20+ 65 °C max.  
(-20 +65 °C max.) 70°C Upon request  
Power Factor(功率因數): 8%



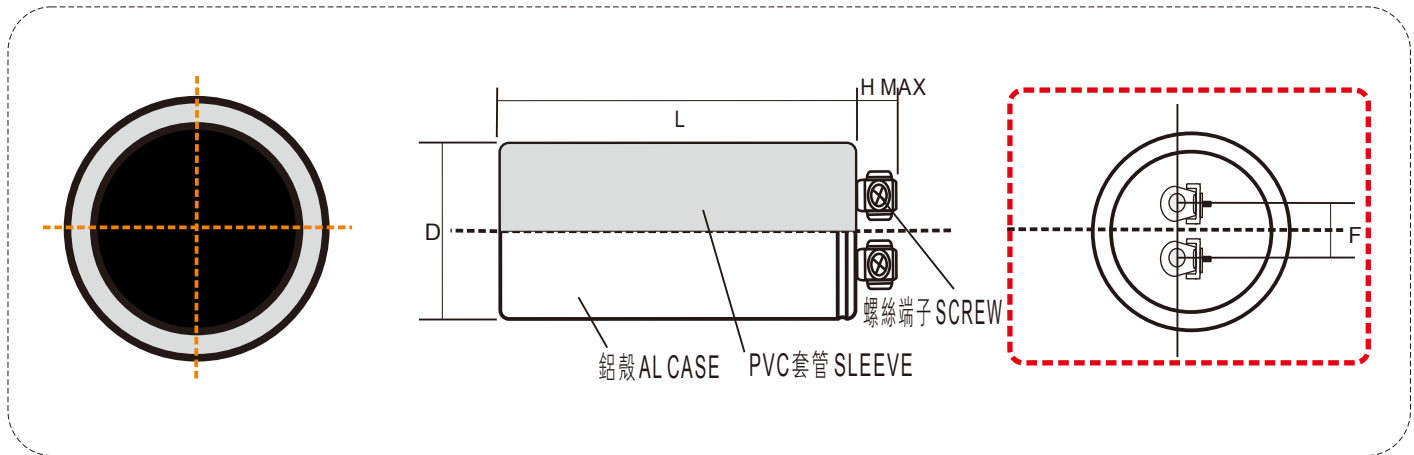
## 機械規格(MECHANICAL SPECIFICATIONS)

Case: aluminium case with a positive pressure safety vent.  
(用鋁製外殼封裝, 有一個安全用的洩壓孔)

Terminals: Designed to accept screw connector, and 1/4"; single, double and triple quick female connectors with solder lug option.  
(電容端子有螺絲型、快速接頭插片式、雙U端)

Marking: Manufacturer identification, capacitance range, rated voltage, working frequency, maximum operating temperature, manufacture week; year, and UL marking. (Special marking available on request). 外觀標示為標誌識別、電容範圍，額定電壓，工作頻率，最高工作溫度，製造年份，和UL標記。（特殊標記可用根據要求）。





D	35 φ	40 φ	45 φ	51 φ
L	60mm~70mm	40mm~90mm	90mm~100mm	100mm
F	13	13	13	13
H max	1.10	1.10	1.10	1.10

外殼尺寸(Case dimensions)

Case Number	尺寸(Size) (m/m)	Case Number	尺寸(Size) (m/m)
1	35×60	5	45×90
2	35×70	6	45×100
3	40×70	7	51×100
4	40×90		

外殼尺寸對照表

VOLTAGE	110V	125V	165V	220V	250V	330V
CAPACITANCE VALUE	CASE SIZE	CASE SIZE	CASE SIZE	CASE SIZE	CASE SIZE	CASE SIZE
50	1	1	1	2	2	2
75	1	1	1	2	2	3
100	1	1	1	2	2	3
150	1	1	2	3	3	4
200	2	2	2	3	3	5
250	2	2	2	3	3	6
300	2	4	4	5	5	6
400	4	4	4	5	5	7
500	4	4	5	5	5	
600	4	5	5	5	5	
800	5	5	5	5	5	
1000	5	5	6	6	6	
1200	5	5	6	6	6	
1400	5	6	6	6	6	
1600	5	6	6	6	6	

■ Above case dimensions are based on our standard design and might be altered without notice

■ Requirements of special specifications can be designed at request.



# 簡介

synopsis



## 電木殼型錄

CD60-2型電容器是按照美國電子工業協會ANSI / EIA-463 標準開發研製的更新換代產品，電容器外殼用酚醛樹脂鑄壓而成。其絕緣性能好，強度大，不易破損；終端密封性好、牢固、不漏液並能承受較大的各方向外力。它不僅外型美觀、使用方便，而且具有參數穩定、質量可靠、使用壽命長等特點。CD60-2型電容器不僅運用於頻率為50/60Hz，額定電壓為110VAC至330VAC的交流電動機上做起動用，還廣泛應用於高科技領域中。

### INTRODUCTION

Motor Start Capacitors: are commonly used in single-phase motors to boost the value of their starting torque. It is necessary that the start should take in a small fraction of time (seconds) with the input of a high reactive power.

Due to its advantages like size and high capacitance value, the motor start capacitor is the best capacitor for this type of application.

Once the motor has been started, the capacitor should be disconnected from the circuit. The capacitor elements are made out of aluminum foil separated by layers of impregnated paper.



### VENT TEST



Capacitors shall be capable of releasing any excessive internal pressure without violent expulsion of capacitor element or cover or emission of flame, when rated AC RMS voltage 60 Hz is applied continuously to a capacitor.

Care should be taken to shield the capacitor from observers to prevent injury.



## ACCELERATED LIFE TEST

Capacitors shall be capable of withstanding life test conditions per EIA 463-B in a  $65^{\circ}\text{C} \pm 3^{\circ}\text{C}$  ambient at rated sinusoidal voltage and frequency with current limiting and discharge resistors. A resistance equivalent to approximately 10% of the capacitor impedance shall be connected in series with each capacitor and a resistor of approximately 1000 ohms shall be connected in parallel with each capacitor.

Life test shall be conducted in a test chamber with capacitors separated by at least 1 inch of air and with sufficient circulation so that the ambient temperature remains within the above temperature limits and does not vary more than  $1^{\circ}\text{C}$ . Also, capacitors shall not be exposed to direct radiation from heating elements. Test voltage is applied to the capacitor resistor combination. At the conclusion of the life test, at room temperature, the capacitance shall not differ from the initial measured value by more than  $\pm 25\%$  and the power factor shall not exceed 20%.



## 電氣特性(ELECTRICAL SPECIFICATIONS)

Capacitance Range (容量範圍): 25 ~ 1536 MFD  
Voltage Ratings (額定電壓): 110, 125, 165, 220, 250, 330 VAC  
Capacitance Tolerance (容量誤差值): -0 ~ +20%  
Rated Frequency (額定功率): 50/60 HZ  
Operating Temperature(溫度範圍): -20+ 65 °C max.  
(-20 +65 °C max.) 70°C Upon request  
Power Factor(功率因數): 8%

## MECHANICAL SPECIFICATIONS(機械規格)

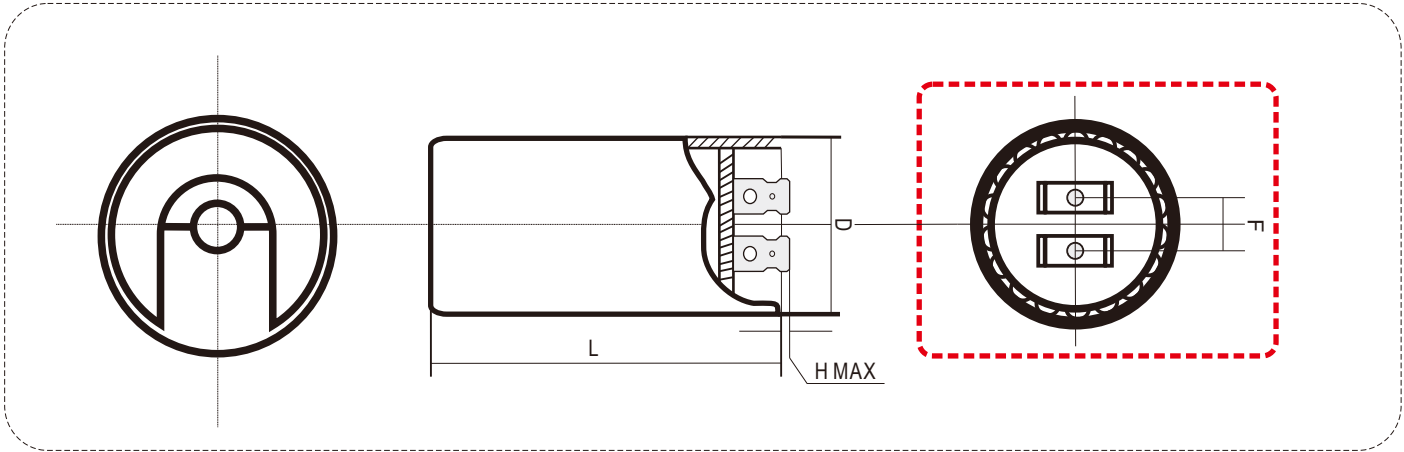
Case: Phenolic or Thermoplastic case with a positive pressure safety vent.  
(用酚醛外殼封裝, 有一個安全用的洩壓孔)

Terminals: Designed to accept 1/4"; single, double and triple quick female connectors with solder lug option.  
(電容端子快速接頭插片式雙U端)

Marking: Manufacturer identification, capacitance range, rated voltage, working frequency, maximum operating temperature, manufacture week; year, and UL marking. (Special marking available on request).

外觀標示為標誌識別、電容範圍，額定電壓，工作頻率，最高工作溫度，製造年份，和UL標記。（特殊標記可用根據要求）。





D	37 φ	40 φ	46 φ	51 φ
L	70 mm	80 mm	86~106 mm	110~116 mm
F	11	11	15	15
H max	2	2	0.5	1



外殼尺寸(Case dimensions)

Case Number	尺寸(Size) (m/m)	Case Number	尺寸(Size) (m/m)
1	37×70	4	46×106
2	40×80	5	51×116
3	46×86		



外殼尺寸對照表



VOLTAGE	110	125V	165V	220V	250V	330V
CAPACITANCE VALUE	CASE SIZE	CASE SIZE	CASE SIZE	CASE SIZE	CASE SIZE	CASE SIZE
25-30	1	1	1	1	1	1
30-36	1	1	1	1	1	1
36-43	1	1	1	1	1	1
43-52	1	1	1	1	1	1
47-56	1	1	1	1	1	1
53-64	1	1	1	1	1	2
64-77	1	1	1	1	1	2
72-86	1	1	1	1	1	2
88-106	1	1	1	1	2	3
108-130	1	1	1	1	2	3
124-149	1	1	1	2	2	4
130-156	1	1	1	2	2	4
145-174	1	1	1	2	2	4
161-193	1	1	2	2	3	4
189-227	1	1	2	2	3	5
216-259	1	2	2	3	3	5
233-280	1	2	2	3	3	5
243-292	2	2	3	3	3	5
270-324	2	3	3	3	4	5
324-389	2	3	3	4	4	5
340-408	3	3	3	4	4	5
378-454	3	3	3	4	4	
400-480	3	3	4	4	4	
430-516	3	4	4	4	4	
460-552	3	4	4	4	4	
540-648	4	4	4	4	4	
590-708	4	4	4	4	4	
645-774	4	4	4	5	5	
708-850	4	4	4	5	5	
720-864	4	4	5	5	5	
800-960	4	4	5	5	5	
815-978	4	4	5	5	5	
829-995	4	4	5	5	5	
850-1020	4	5	5	5	5	
1000-1200	4	5	5	5	5	
1020-1224	4	5	5	5	5	
1175-1410	4	5	5	5	5	
1280-1536	4	5	5	5	5	



VOLTAGE	110	125V	165V	220V	250V	330V
CAPACITANCE VALUE	CASE SIZE	CASE SIZE	CASE SIZE	CASE SIZE	CASE SIZE	CASE SIZE
25-30	1	1	2	2	2	2
30-36	1	1	2	2	2	2
36-43	1	1	2	2	2	2
43-52	1	1	2	2	2	2
47-56	1	1	2	2	2	2
53-64	1	1	2	2	3	3
64-77	1	1	2	2	3	4
72-86	1	1	2	2	3	4
88-106	1	1	2	2	4	4
108-130	1	1	2	2	4	4
124-149	1	1	2	2	4	4
130-156	1	1	2	2	4	4
145-174	1	1	2	2	4	5
161-193	1	1	2	2	4	5
189-227	1	2	2	3	4	5
216-259	1	2	2	3	4	5
233-280	1	2	3	4	4	5
243-292	3	3	4	4	4	5
270-324	3	3	4	4	4	5
324-389	3	3	4	4	5	
340-408	3	3	4	4	5	
378-454	3	3	4	4	5	
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430-516	4	4	4	5	5	
460-552	4	4	4	5	5	
540-648	4	4	4	5	5	
590-708	4	4	4	5		
645-774	4	4	4	5		
708-850	4	4	4			
720-864	4	4	4			
800-960	4	4	5			
815-978	4	4	5			
829-995	4	4	5			
850-1020	4	5	5			
1000-1200	4	5	5			
1020-1224	5	5				
1175-1410	5	5				
1280-1536	5	5				

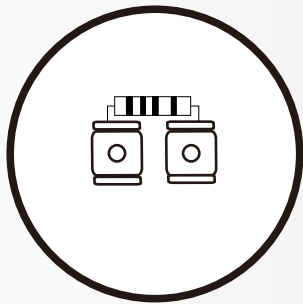
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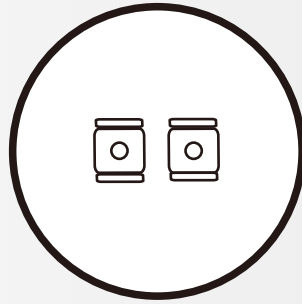


端子代碼表 Terminal Code(for Electrolytic Motor Starting Capacitors Only)

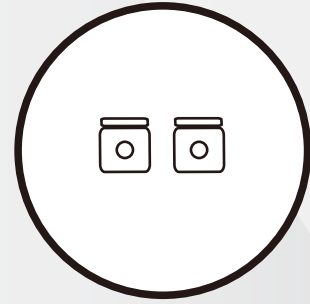
Aluminium Case(鋁殼用端子)



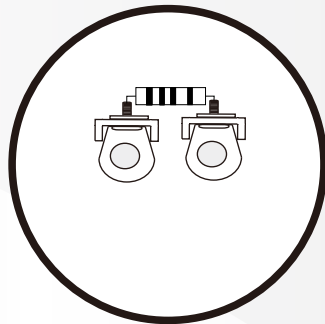
RUR



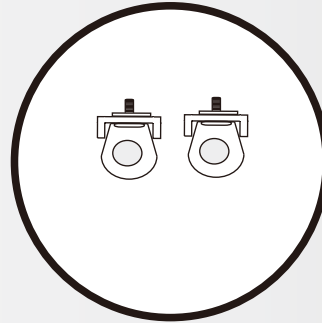
RU



RL

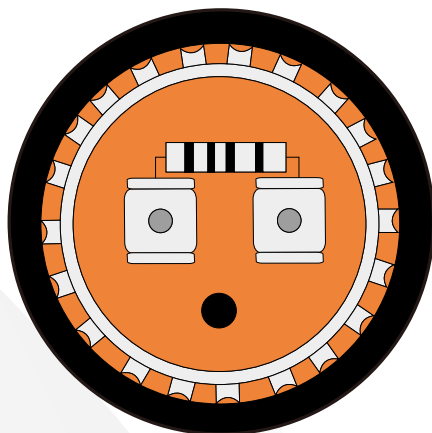


RTR

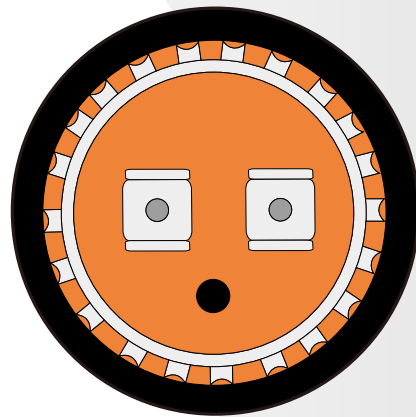


RT

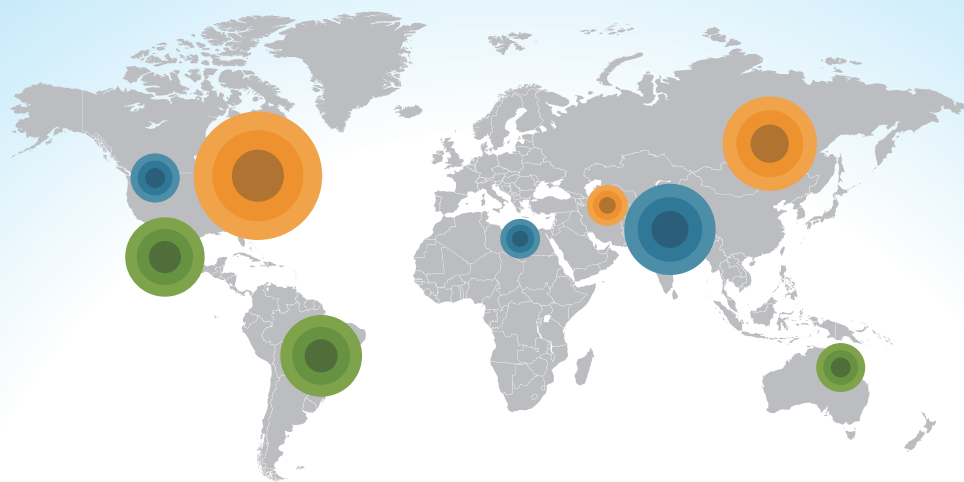
Phenolic case(酚醛外殼端子)



HUR

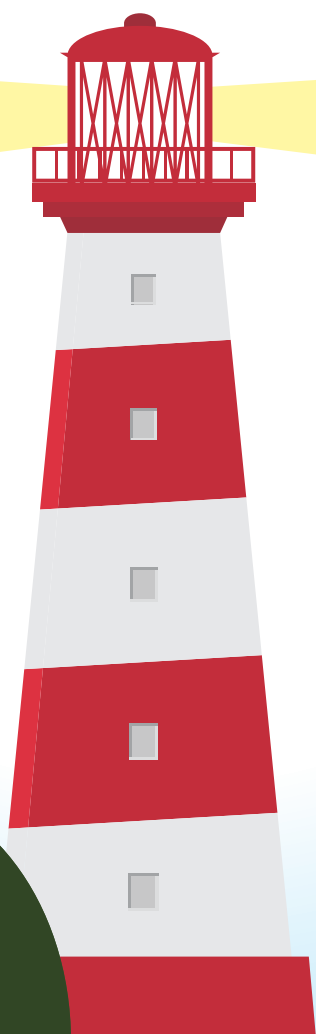


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皇品科技

領導品牌



品質 信實 創新



AC馬達起動電容 冷氣壓縮機用電容  
空壓機用電容 起動頻率高負載用起動電容

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