HY–Moter start capacitor

Product Description

This kind of the capacitors are developed and researched according to standard of American Electronics Association(ANSI/EIA–463). The external case of the capacitor is made of bakelite plasticized that its character are not only good insulating resistance and strong resistance damaged bus also protecting electro–liquid as good sealed feature. It is popular used for the super AC application as good life, higher degree of reliability and stability.


HY30


HY31


HY31–A


HY31–B

Features

Plastic Case,Mositure and Oil Resistant
Voltages from 110V AC to 330V AC
UL Recognized Capacitors
UL No.:E223707

General Specifications

Operating Temperatrure:–40 to +70℃
Voltage Range:110~330V AC
Capacitance Range:21~1280 μ F
Capacitance Tolerance:–0%~+20%
Operating Frequency:50~60Hz
Case Size:8 Standard Size from
1.437" x2.750" ~2.562" x4.375"
Termination:
1/4" Quick Disconnect Terminals(Std.)
Performance Specification:
Meets Requirements of EIA–463–A

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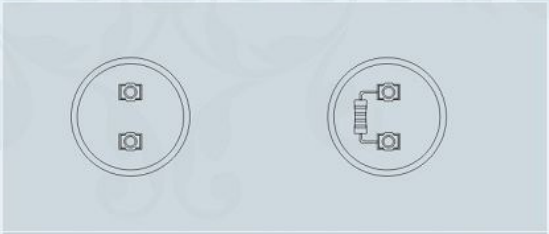
Standard Terminal and Resistor Layouts


Dual disconnect all cases Dual disconnect with resistor all cases

Dimensions(mm)

Capacity (μF)	Voltage 110/125V(mm)	Voltage 165V(mm)	Voltage 220V(mm)	Voltage 250V(mm)	Voltage 300/330V(mm)
21–25	36×70	36×70	36×70	36×70	36×85
25–30	36×70	36×70	36×70	36×70	36×85
30–36	36×70	36×70	36×70	36×70	36×85
36–43	36×70	36×70	36×85	36×85	36×85
43–52	36×70	36×70	36×85	36×85	36×85
47–56	36×70	36×70	36×85	36×85	46×85
53–64	36×70	36×70	36×85	36×85	46×85
64–77	36×70	36×70	36×85	36×85	46×85
72–86	36×70	36×70	36×85	36×85	46×85
88–106	36×70	36×85	36×85	46×85	46×111
108–130	36×70	36×85	46×85	46×85	46×111
124–149	36×70	36×85	46×85	46×85	46×111
130–156	36×70	36×85	46×85	46×85	46×111
145–174	36×70	36×85	46×85	46×111	46×111
161–193	36×70	36×85	46×85	46×111	46×111
189–227	36×85	36×85	46×85	46×111	46×111
216–259	36×85	36×85	46×111	46×111	46×111
233–280	36×85	36×85	46×111	46×111	46×111
243–292	36×85	46×85	46×111	46×111	46×111
270–324	36×85	46×85	46×111	46×111	46×111
324–389	46×85	46×85	46×111	46×111	46×111
340–408	46×85	46×85	46×111	46×111	52×111
378–454	46×85	46×85	46×111	46×111	52×111
400–480	46×85	46×85	46×111	46×111	52×111
430–516	46×85	46×85	52×111	52×111	52×111
460–552	46×85	46×85	52×111	52×111	52×111
540–648	46×85	52×85	52×111	52×111	52×111
590–708	52×85	52×85	52×111	52×111	52×111
645–774	52×85	52×85	52×111	52×111	65×111
708–850	52×85	52×85	65×111	65×111	65×111
720–860	52×85	52×85	65×111	65×111	65×111
800–960	52×85	65×111	65×111	65×111	65×111
815–978	52×85	65×111	65×111	65×111	65×111
829–995	52×85	65×111	65×111	65×111	65×111


HY–PP5

HY—Moter start capacitor

Applications

Room A/C Units

Residential and commercial PSC A/C units and heat pumps

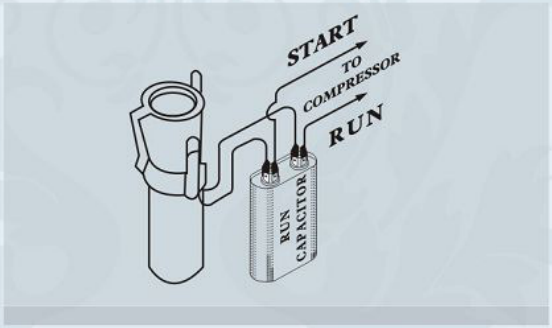
For all PSC A/C units from 4,000 thru 120,000 BTU's

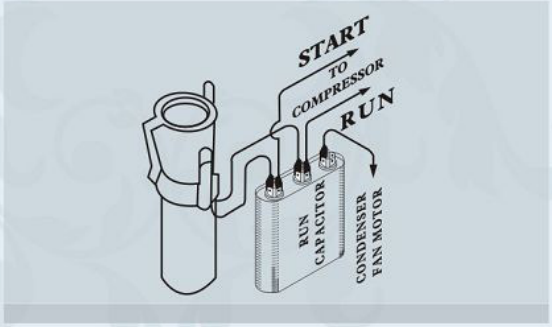
For low voltage and hard starting compressors

HY-PP6

HY-RCO

Connect Indication





HY—Moter start capacitor

Features:

HY60 Type Aluminum Electrolytic Capacitor for Starting A.C.Motor adopts aluminum foils as electrode, alumina as dielectric, non-solid electrolyte, and adopts metal,bakelite resin or engineering plastic as cases,and lug,wire or cable as terminals.This series of capacitors is bipolarized,and is widely used.It applies to A.C. single phase motor,with frequency 50/60Hz,rated voltage 110-330VAC. It can help motors gain high torque with low starting current and make motors start nomally.It can also apply to refrigerators and compressors of aircondition and etc for starting.

HY32

HY33

HY34

Technical Performance

Working Temperature Range	-25~+55℃
Rated Voltage Range	110~330VAC
Rated Capacitance Range	50~1000 μ F
Rated Permissible Tolerance of Capacitance	0~+20%
Tangent of Loss Angle(tg σ) (20℃,100Hz)	tg σ ≤0.10，tg σ ≤0.15
Performance	+55℃，110~165VAC，on 1 second, off 59 seconds,30000 times
	+55℃，220~330VAC，on 1 second, off 59 seconds,15000 times
	changing rate of capacitance: ± 15% within original measuring value
	tangent of loss angle:≤0.20
Withstand Voltage Between Terminals	applied 1.2 times working voltage,for 2 seconds,without breakdown
Withstand Voltage Between Terminal and case	2000VAC,for 10 seconds, without breakdown

HY—Moter start capacitor

Dimensions(mm)

HY35

HY39

Capacity (μF)	Voltage 110/125V(mm)	Voltage 165V(mm)	Voltage 220V(mm)	Voltage 250V(mm)	Voltage 300/330V(mm)
50	34×80	34×80	34×80	34×80	34×80
75	34×80	34×80	34×80	34×80	34×80
75	42×70	42×70	42×70	42×70	42×70
100	34×80	34×80	34×80	34×80	42×70
100	42×70	42×70	42×70	42×70	50×100
150	34×80	34×80	34×80	34×80	42×70
150	42×70	42×70	42×70	42×70	50×100
200	34×80	34×80	34×80	42×70	42×70
200	42×70	42×70	42×70	50×100	50×100
250	34×80	34×80	42×70	42×70	50×100
250	42×70	42×70	50×100	50×100	50×100
300	34×80	42×70	42×70	42×70	50×100
300	42×70	50×100	50×100	50×100	50×100
400	50×100	50×100	50×100	50×100	50×100
500	50×100	50×100	50×100	50×100	50×100
600	50×100	50×100	50×100	50×100	65×115
700	50×100	50×100	50×120	50×120	65×115
800	50×100	50×100	50×120	65×115	65×115
900	50×100	50×100	60×115	65×115	65×115
1000	50×100	50×100	60×115	65×115	65×115

HY—Running capacitor series

Description

Purpose: Applicable in microwave 50 Hz to 60 Hz a.c. power line. It can work constantly under rated conditions.
Standard: The structure and performance of the capacitor are in accordance with National GBT18939-1 standard, International IEC61270-1996 standard and European DIN.EN61270-1 standard.
1. Nominal
Rated voltage: 1500V-2600V.AC
Rated capacity: 0.2 μF-1.5 μF
Capacity deviation: ±3%
Loss tangent: < 0.0035
Rated frequency: 50/60Hz
2. Working environment
Working temperature: □10-+85℃ Relative humidity: 45%-85%
Atmosphere pressure: 85/21
3. Behavior of electricity
Measuring voltage Pole-pole Rated voltage ×4.3 times VDC/10S Pole-Shell 9000V.AC/10S
Insulation resistance Pole-pole 10MΩ ±2 MΩ Pole-Shell >3000MΩ
4. Special order available on request

HY73

HY73-A

Specification of the products

Rated Voltage (V.AC)	Nominal Capacity μF	(Maximal contour Sizemm)			V.AC	μF	D	H	S
		D	H	S					
2100	0.78				2100	1.04			
	0.79					1.05			
	0.80					1.06			
	0.81					1.07			
	0.82					1.08			
	0.83					1.09			
	0.84					1.11			
	0.85					1.12			
	0.86					1.13			
	0.87					1.14			
	0.88					1.15			
	0.89					1.16			
	0.90					1.17			
	0.91					1.18			
	0.92					1.19			
	0.93					1.20			
	0.94								
	0.95								
	0.96								
	0.97								
	0.98								
	0.99								
	1.01								
	1.02								
	1.03								