

## C878BF Series, Electric Motor Capacitors

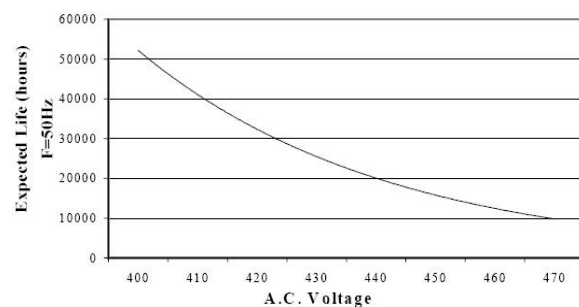
### General Description:

The capacitor is used in series to the start-winding of the single-phase electric motor, allowing its starting and increasing the torque during work. Main application fields: low power electric motors compressors. The choice of capacitor depends on expected life length and the mechanical connection of the user.



### Key Features:

- Capacitor Range: 1.0  $\mu\text{F}$  to 60  $\mu\text{F}$
- Min. / Max. Operating Temperature: - 25 / 85 °
- Storage Temperature: - 40 / 90 °C
- Rated voltage VR (a.c.): 500 Volt a.c.
- Rated frequency (Hz): 50 - 60 Hz
- Voltage rise/fall time (max): 20 Volt /  $\mu\text{s}$
- Maximum Permissible Voltage: 1.10 x Rated Voltage
- Maximum Permissible Current: 1.30 x Rated Current
- Dissipation factor,  $\text{Tg}\delta$ :  $20 \times 10^{-4}$  at 20°C, 50 Hz
- Safety class: P2
- Maximum Altitude: 2000 m
- Capacitance tolerance (standard):  $\pm 5\%$
- Mounting: Any position
- Case: Aluminium
- Disk: Thermoplastic Polymer V0 (UL94)
- Dielectric: Polypropylene



### Applications:

- Single-phase Electric Motor
- Low Power Electric Motors Compressors

## Related Products Information:

Mfr Part #	Newark #	Farnell #	Description
C878BF34400AA4J	-	1789708	CAPACITOR, 4UF, 470VAC
C878BF35100AA0J	-	1789709	CAPACITOR, 10UF, 470VAC
C878BF35150AA0J	-	1789710	CAPACITOR, 15UF, 470VAC
C878BF35200AA0J	-	1789711	CAPACITOR, 20UF, 470VAC