



The **EL** electrolytic capacitor have **high capacitance** (μF value) able to provide an high starting torque to the motor. It is a non polarized capacitor especially designed for intermittent AC voltage applications for single-phase motors.

PERFORMANCE DATA

- **Rated Voltage** 125 / 250 / 320 Vac
- **Rated Frequency** 50 / 60 Hz
- **Capacitance Tolerance** - 0% + 25% or +/- 10%
- **Operating class** The standard time rating defined of IEC 252 is 1,67% full time and corresponds to a duty cycle of 3 seconds on and 177 seconds off.

STANDARDS

- Reference standards** CEI EN 60252-2 (capacitor)
CEI EN 60695-11-10 (electrolyte)

TECHNICAL DATA

Working temperature	-25 °C / +75 °C (operating) -40 °C / +85 °C (storage)
Endurance test	500 h
Dissipation loss angle	Measurement frequency: 100 Hz, temperature 20°C value shall not exceed 0,10 (typical value) and shall be calculated as follows: $\text{Tan } d = W / (V \times I) = (\text{true watts} / \text{apparent watts})$
Test Voltage between terminals	1,4 Vn x 1 sec
Test Voltage between terminals and case	1,5 kV x 5 sec
Capacitance measurement	Capacitance shall be determined by measuring the current – after 2/3 sec. of energising – through the capacitor at rated voltage and frequency. The capacitance is defined as follows: $C = (I \times 10^6) / 2 \pi^2 \times f \times V$

MECHANICAL CONFIGURATION

Case	Plane base self-extinguishing (V2) plastic case
Finishing	Double faston terminal. Size = 6,3 x 0,8 mm
Figure	

Optional requests:

- Capacitors can be provided **without protective cap**
- Capacitors can be provided **without fixing bracket**

CONFIGURATION

Table

Type	Cn (μ F)	Rated Voltage	Dimension D x H (mm)
EL 125V	100 - 125	125 V	46 x 98
EL 125V	125 - 160	125 V	46 x 98
EL 125V	160 - 200	125 V	46 x 98
EL 125V	200 - 250	125 V	46 x 98
EL 125V	250 - 315	125 V	46 x 98
EL 125V	315 - 400	125 V	46 x 98

Type	Cn (μ F)	Rated Voltage	Dimension D x H (mm)
EL 250V	25 - 31,5	250 V	46 x 98
EL 250V	31,5 - 40	250 V	46 x 98
EL 250V	40 - 50	250 V	46 x 98
EL 250V	50 - 63	250 V	46 x 98
EL 250V	63 - 80	250 V	46 x 98
EL 250V	80 - 100	250 V	46 x 98
EL 250V	100 - 125	250 V	46 x 98
EL 250V	125 - 160	250 V	46 x 98
EL 250V	160 - 200	250 V	46 x 98
EL 250V	200 - 250	250 V	46 x 98
EL 250V	250 - 315	250 V	46 x 98
EL 250V	315 - 400	250 V	46 x 98
EL 250V	400	250 V	46 x 98
EL 250V	500	250 V	46 x 98

Type	Cn (μ F)	Rated Voltage	Dimension D x H (mm)
EL 320V	25 - 31,5	320 V	46 x 98
EL 320V	31,5 - 40	320 V	46 x 98
EL 320V	40 - 50	320 V	46 x 98
EL 320V	50 - 63	320 V	46 x 98
EL 320V	63 - 80	320 V	46 x 98
EL 320V	80 - 100	320 V	46 x 98
EL 320V	100 - 125	320 V	46 x 98
EL 320V	125 - 160	320 V	46 x 98
EL 320V	160 - 200	320 V	46 x 98
EL 320V	200 - 250	320 V	46 x 98
EL 320V	250 - 315	320 V	46 x 98

Other solutions are available on request.