



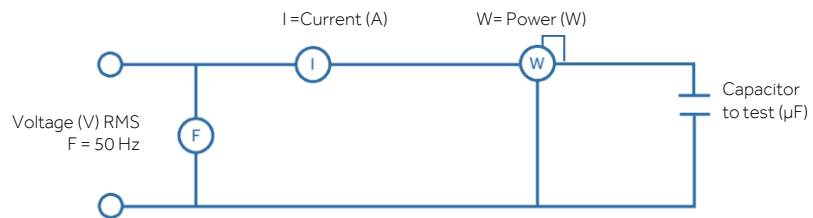
The **EL** electrolytic capacitor have **high capacitance** (μF value) able to provide an high starting torque to the motor. It is a non polarized capacitor especially designed for intermittent AC voltage applications for single-phase motors.

PERFORMANCE DATA

- **Rated Voltage** 320 Vac (capacitance $\leq 315 \mu\text{F}$)
250 Vac (capacitance $\geq 315 \mu\text{F}$)
- **Rated Frequency** 50 / 60 Hz
- **Capacitance Range** from 25 μF to 550 μF
- **Capacitance Tolerance** - 0% + 25% or -/+ 10%
- **Working Condition** 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.

TECHNICAL DATA

- Operating Temperature** -45 °C / +65 °C (higher temperatures on request)
- Storage Temperature** -40 °C / +70 °C
- Endurance test** 500 h
- Dissipation Loss Angle** Measurement frequency: 50 Hz, the typical value shall not exceed 0,10, calculated as follows:
 $\text{Tan } d = W / (V \times I) = (\text{true watts} / \text{apparent watts})$
- Capacitance Measurement** Capacitance shall be determined by measuring the current – after 2/3 sec. of energizing – through the capacitor at rated voltage and frequency.
The capacitance is defined as follows: $C = (I \times 10^6) / 2 \pi^2 \times f \times V$



TYPICAL VALUES

For Single-phase Motor	<i>kW</i>	0,074	0,183	0,368	0,552	0,736	1,104	1,472
	<i>HP</i>	1/10	1/4	1/2	3/4	1	1,5	2
220 V		20 μF	50 μF	100 μF	150 μF	200 μF	300 μF	-
280 V		10 μF	25 μF	50 μF	80 μF	100 μF	150 μF	200 μF

Note: the indicated voltages are the working capacitor voltages

STANDARDS AND APPROVALS

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

Directives It complies with the RoHS Directive

CONFIGURATION

Table

Type	Cn (μF)	Rated Voltage	Dimension D x H ₁ /H ₂ (mm)
8150610	25 - 31,5	250/320	46 x 98
8150710	31,5 - 40	250/320	46 x 98
8150810	40 - 50	250/320	46 x 98
8150910	50 - 63	250/320	46 x 98
8151010	63 - 80	250/320	46 x 98
8151110	80 - 100	250/320	46 x 98
8151210	100 - 125	250/320	46 x 98
8151310	125 - 160	250/320	46 x 98
8151410	160 - 200	250/320	46 x 98
8151510	200 - 250	250/320	46 x 98
8151610	250 - 315	250/320	46 x 98
8141710	315 - 400	250	46 x 98
8141810	400 - 480	250	46 x 98
8141910	450 - 550	250	46 x 98

Other solutions are available on request.

Optional requests:

- **Protective cap** , code 730050;
- **Mounting bracket** , code 565008;
- **Bipolar cable**, length 300 mm with Female Faston 6.35 mm, code 7850694;
- EL Capacitors can be equipped with **Resistors** (codes on request);
- EL Capacitors can be supplied in a more compact version, with a **diameter of 36.5 mm** (codes on request).

MECHANICAL CONFIGURATION

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