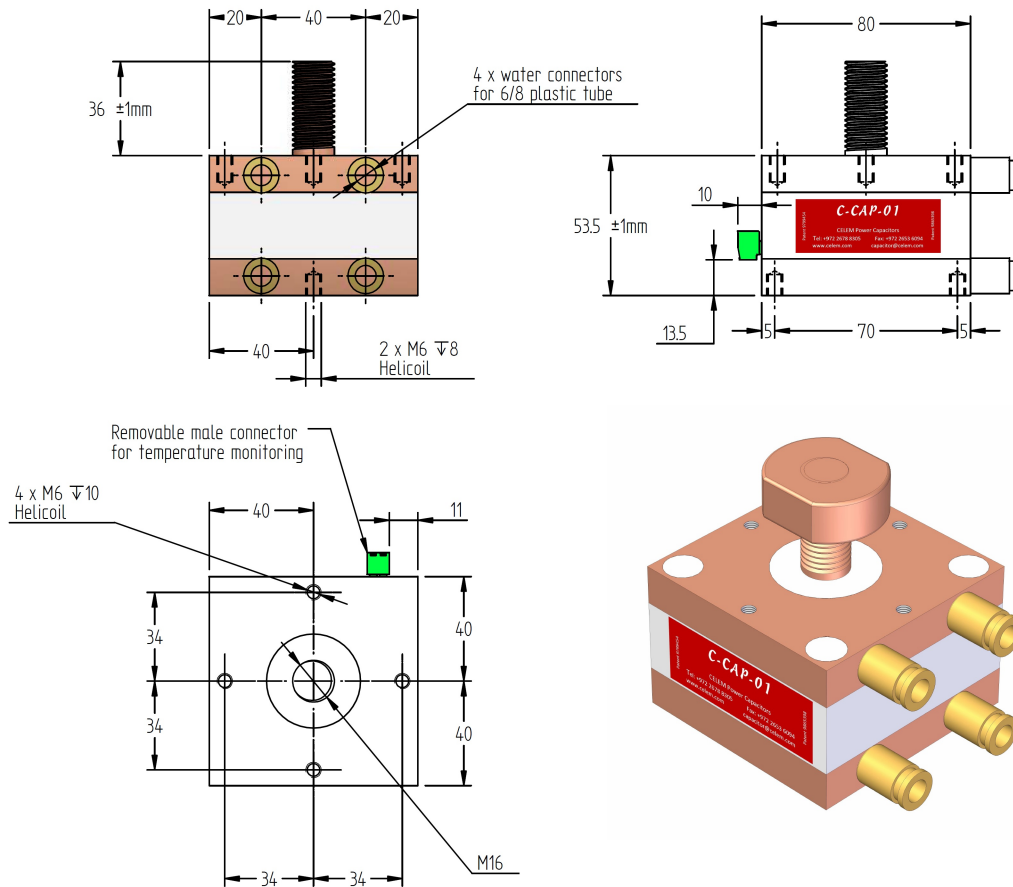


# C-CAP 01

Water-cooled capacitor



Technology Patented Worldwide



C-Cap is a new innovative capacitor that was developed by Celem. It is protected by US Patent 9799454 and US Patent 9865398.

- Temperature switch: Normally Closed, 24V, 1A, recommended wire size 16-28AWG. Opens at 55°C.
- Mounting: Recommended torque for M16: 8-10 Nm, recommended torque for M6: 5Nm. Celem can supply designated bus-bars.
- Cooling: Maximal inlet pressure 6 Bar, maximal outlet temperature: 45°C.

For additional information please see technical notes at [www.celem.com](http://www.celem.com).

## Specifications

Type		C-CAP 01						
Dimensions (L x W x H)	mm	80 x 80 x 53.5						
Weight	kg	1.5						
Capacitance (±10%)	µF	0.36µF	0.75µF	1.3µF	2.3µF	4µF	5.8µF	9.5µF
Sinusoidal Voltage	V <sub>rms</sub>	900		800	700	650	550	500
Peak_Voltage	V	1273		1131	990	919	778	707
Max. Current	A <sub>rms</sub>	1000	1200	1400	1800	2000	2200	2400
Max. Power	kVA <sub>r</sub>	900						
Freq Range @ Half Power	kHz	246-983	118-679	86-534	64-498	42-354	41-295	30-215
Freq Range @ Full Power	kHz	491-491	236-340	172-267	127-249	85-177	82-148	60-107

**Celem Power Capacitors**

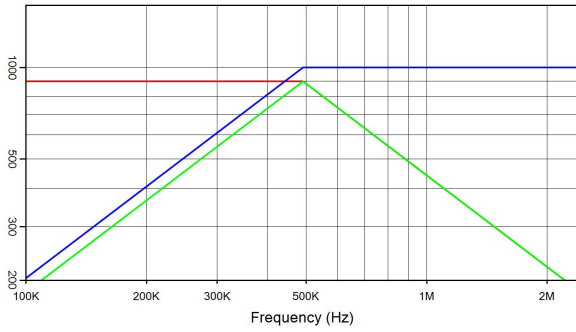
Produced: 15-06-2020

# C-CAP 01

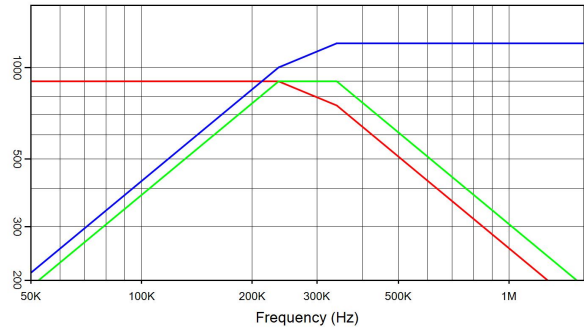
Water-cooled capacitor



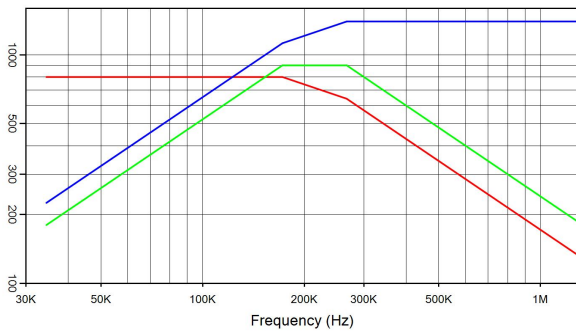
Technology Patented Worldwide



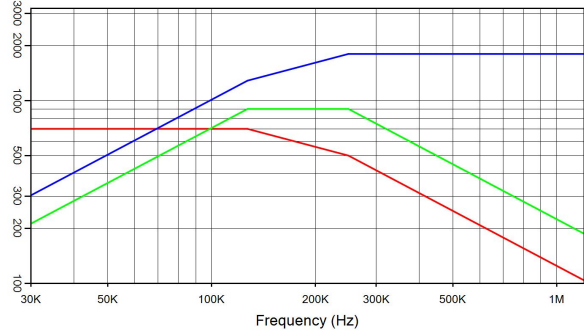
**C-CAP 01 0.36  $\mu\text{F}$  900 V<sub>rms</sub> 1000 A<sub>rms</sub> 900 kVA<sub>r</sub>**  
I(A) — Q(kVA<sub>r</sub>) — V<sub>rms</sub> —



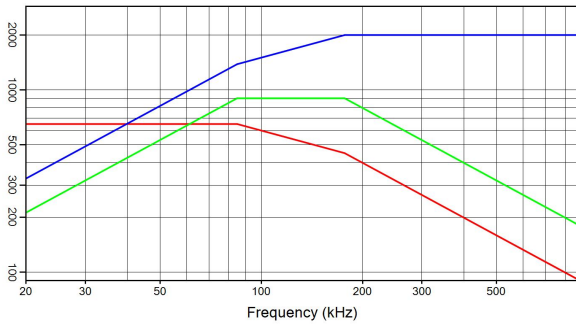
**C-CAP 01 0.75  $\mu\text{F}$  900 V<sub>rms</sub> 1200 A<sub>rms</sub> 900 kVA<sub>r</sub>**  
I(A) — Q(kVA<sub>r</sub>) — V<sub>rms</sub> —



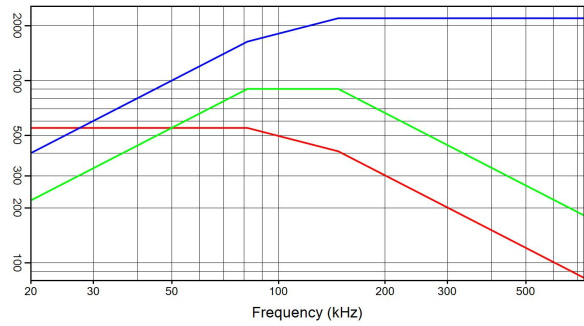
**C-CAP 01 1.3  $\mu\text{F}$  800 V<sub>rms</sub> 1400 A<sub>rms</sub> 900 kVA<sub>r</sub>**  
I(A) — Q(kVA<sub>r</sub>) — V<sub>rms</sub> —



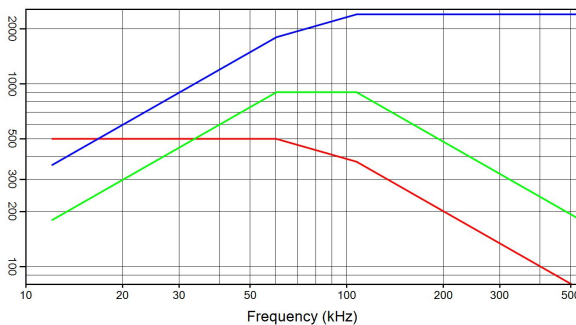
**C-CAP 01 2.3  $\mu\text{F}$  700 V<sub>rms</sub> 1800 A<sub>rms</sub> 900 kVA<sub>r</sub>**  
I(A) — Q(kVA<sub>r</sub>) — V<sub>rms</sub> —



**C-CAP 01 4  $\mu\text{F}$  650 V<sub>rms</sub> 2000 A<sub>rms</sub> 900 kVA<sub>r</sub>**  
I(A) — Q(kVA<sub>r</sub>) — V<sub>rms</sub> —



**C-CAP 01 5.8  $\mu\text{F}$  550 V<sub>rms</sub> 2200 A<sub>rms</sub> 900 kVA<sub>r</sub>**  
I(A) — Q(kVA<sub>r</sub>) — V<sub>rms</sub> —



**C-CAP 01 9.5  $\mu\text{F}$  500 V<sub>rms</sub> 2400 A<sub>rms</sub> 900 kVA<sub>r</sub>**  
I(A) — Q(kVA<sub>r</sub>) — V<sub>rms</sub> —

**Celem Power Capacitors**

Produced: 15-06-2020