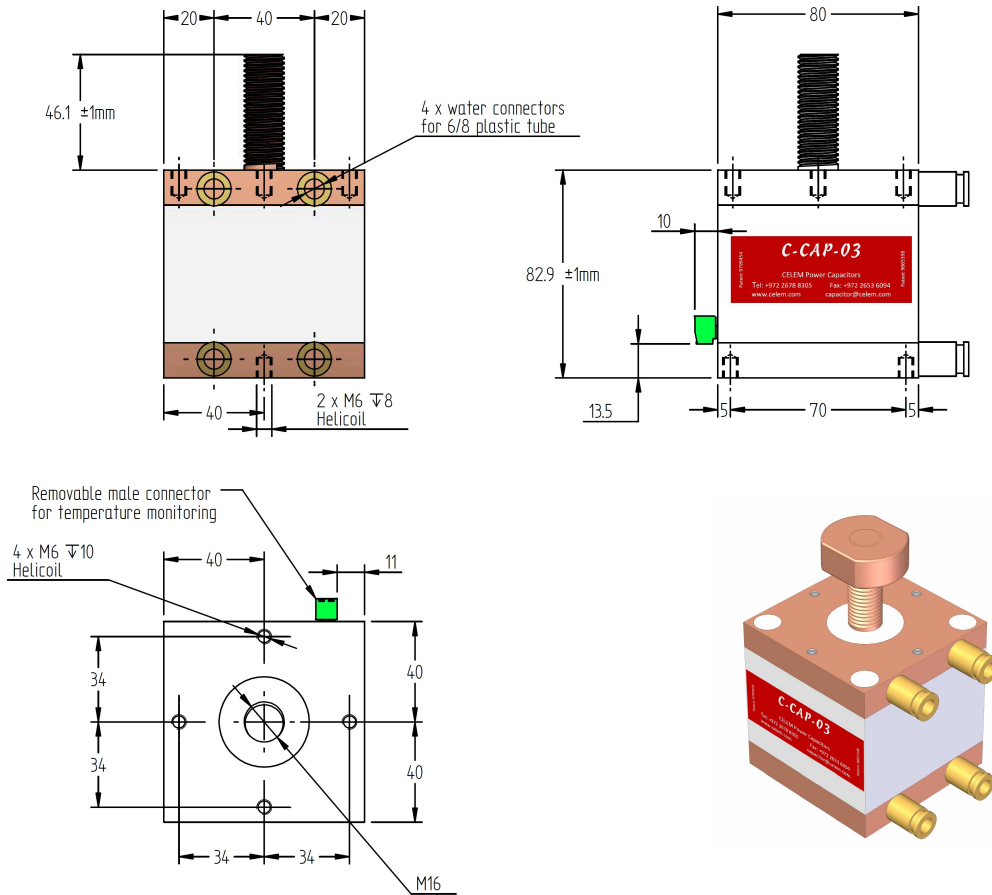


# C-CAP 03

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: 40°C.

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

## Specifications

Type		C-CAP 03						
Dimensions (L x W x H)	mm	80 x 80 x 82.9						
Weight	kg	2						
Capacitance (±10%)	μF	2μF	3.5μF	5μF	7μF	10μF	16μF	29μF
Sinusoidal Voltage	V <sub>rms</sub>	900	800	750	700	650	550	500
Peak_Voltage	V	1273	1131	1061	990	919	778	707
Max. Current	A <sub>rms</sub>	1000	1200	1300	1400	1500	1700	1900
Max. Power	kVA <sub>r</sub>	800						
Freq Range @ Half Power	kHz	39-199	28-164	23-135	18.6-111	15.1-90	13.2-72	8.8-73
Freq Range @ Full Power	kHz	79-100	57-82	45-67	37-56	30-45	26-36	17.6-25

**Celem Power Capacitors**

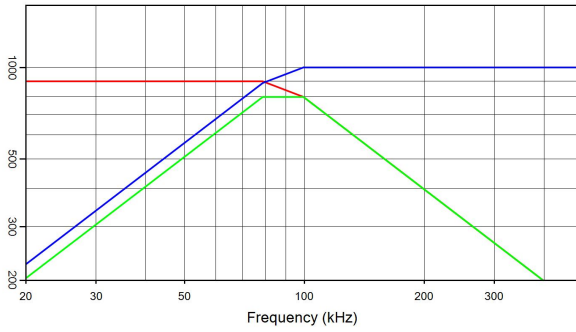
Produced: 12-08-2020

# C-CAP 03

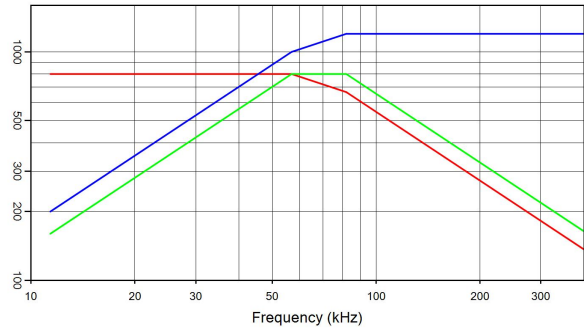
Water-cooled capacitor



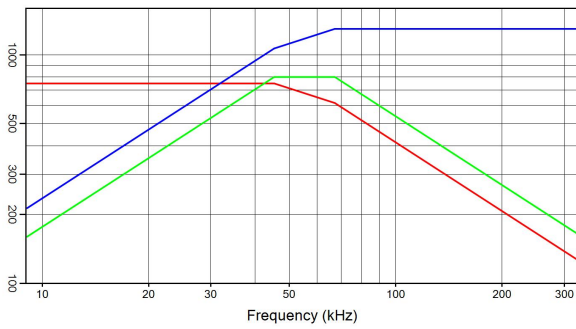
Technology Patented Worldwide



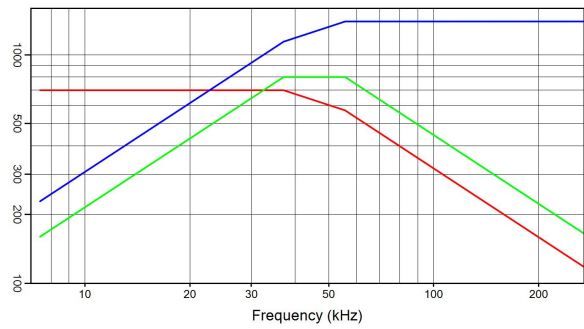
**C-CAP 03 2 μF 900 V<sub>rms</sub> 1000 A<sub>rms</sub> 800 kVA<sub>r</sub>**  
 I(A) — Q(kVA<sub>r</sub>) — V<sub>rms</sub>



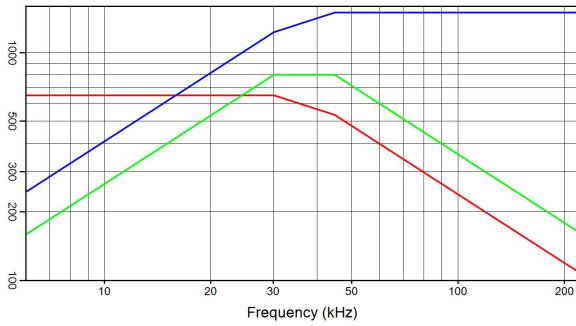
**C-CAP 03 3.5 μF 800 V<sub>rms</sub> 1200 A<sub>rms</sub> 800 kVA<sub>r</sub>**  
 I(A) — Q(kVA<sub>r</sub>) — V<sub>rms</sub>



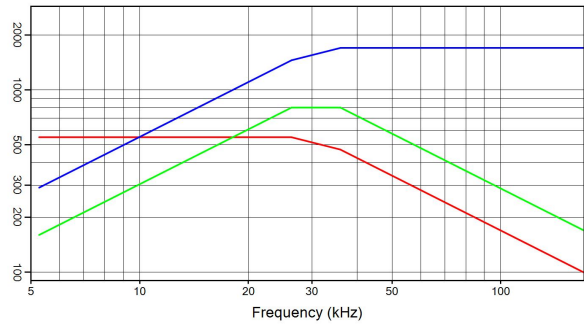
**C-CAP 03 5 μF 750 V<sub>rms</sub> 1300 A<sub>rms</sub> 800 kVA<sub>r</sub>**  
 I(A) — Q(kVA<sub>r</sub>) — V<sub>rms</sub>



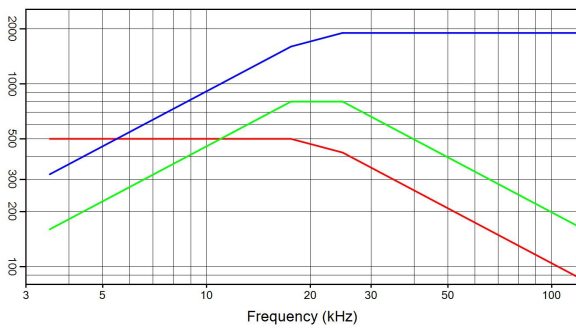
**C-CAP 03 7 μF 700 V<sub>rms</sub> 1400 A<sub>rms</sub> 800 kVA<sub>r</sub>**  
 I(A) — Q(kVA<sub>r</sub>) — V<sub>rms</sub>



**C-CAP 03 10 μF 650 V<sub>rms</sub> 1500 A<sub>rms</sub> 800 kVA<sub>r</sub>**  
 I(A) — Q(kVA<sub>r</sub>) — V<sub>rms</sub>



**C-CAP 03 16 μF 550 V<sub>rms</sub> 1700 A<sub>rms</sub> 800 kVA<sub>r</sub>**  
 I(A) — Q(kVA<sub>r</sub>) — V<sub>rms</sub>



**C-CAP 03 29 μF 500 V<sub>rms</sub> 1900 A<sub>rms</sub> 800 kVA<sub>r</sub>**  
 I(A) — Q(kVA<sub>r</sub>) — V<sub>rms</sub>

**Celem Power Capacitors**

Produced: 12-08-2020