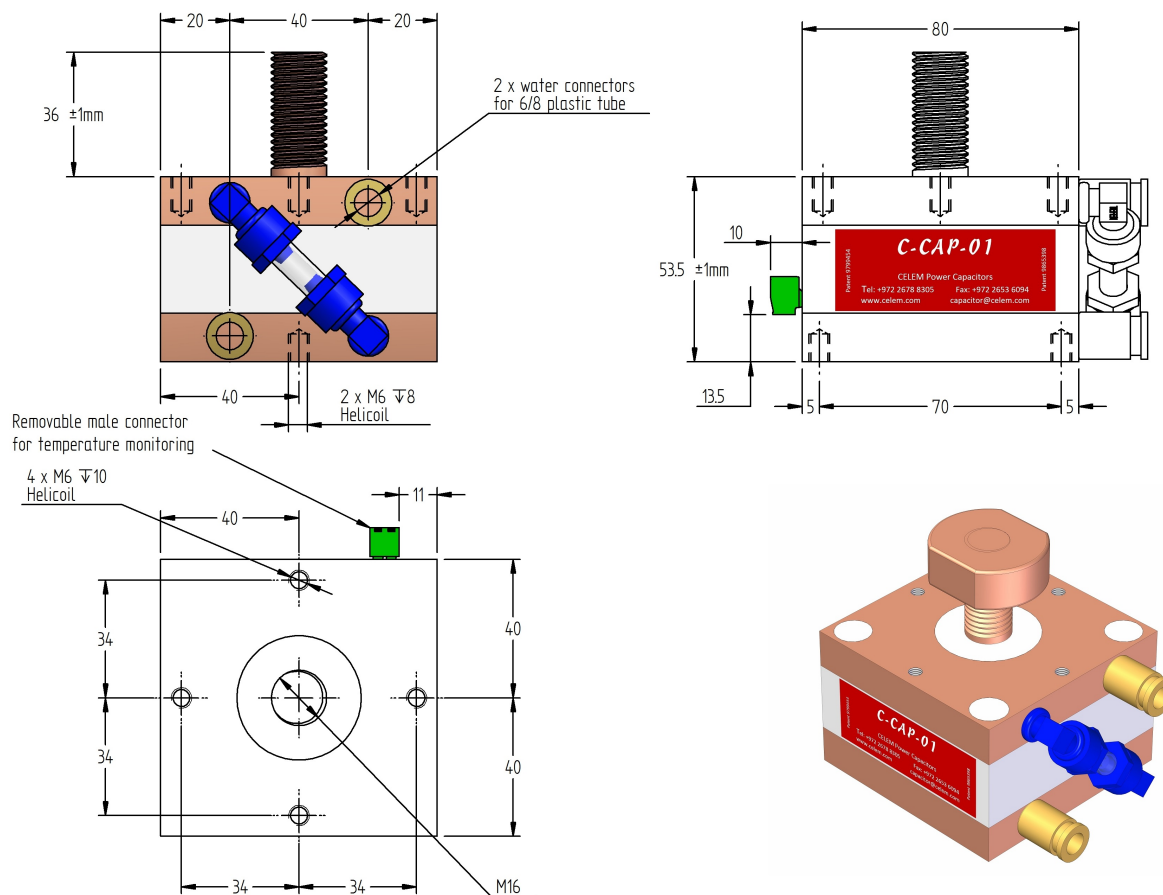




C-Cap is a new innovative capacitor that was developed by Celem. It is protected by US Patent 9799454 and US Patent 9865398.

- 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. It is possible to get 4 straight water connectors.

For additional information please see technical notes at www.celem.com.

Specifications

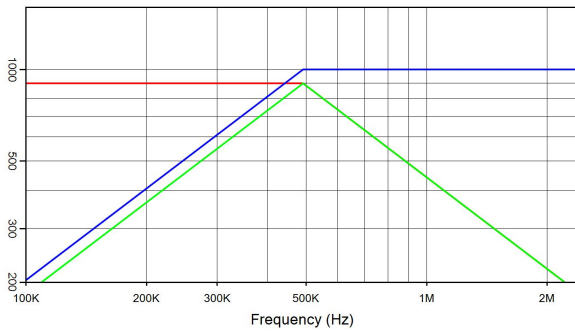
Type		C-CAP 01						
Dimensions (L x W x H)	mm	80 x 80 x 53.5						
Weight	kg	1.5						
Capacitance (±10%)	µF	0.36µF	0.75µF	1.3µF	2.3µF	4µF	5.8µF	9.5µF
Sinusoidal Voltage	V _{rms}	900		800	700	650	550	500
Peak_Voltage	V	1273		1131	990	919	778	707
Max. Current	A _{rms}	1000	1200	1400	1800	2000	2200	2400
Max. Power	kVA _r	900						
Freq Range @ Half Power	kHz	273-885	131-611	96-480	71-449	47-318	45-266	34-193
Freq Range @ Full Power	kHz	491-491	236-340	172-267	127-249	85-177	82-148	60-107

C-CAP 01

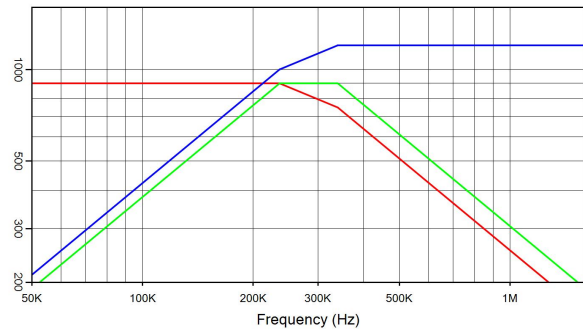
Water-cooled capacitor



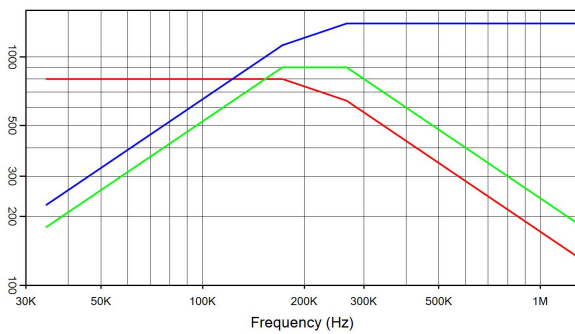
Technology Patented Worldwide



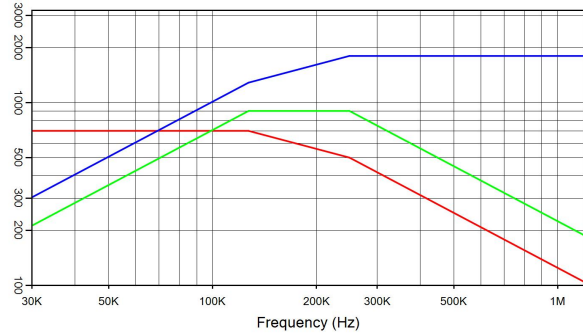
C-CAP 01 0.36 μF 900 V_{rms} 1000 A_{rms} 900 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



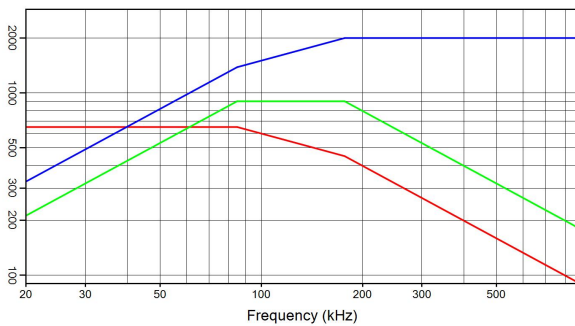
C-CAP 01 0.75 μF 900 V_{rms} 1200 A_{rms} 900 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



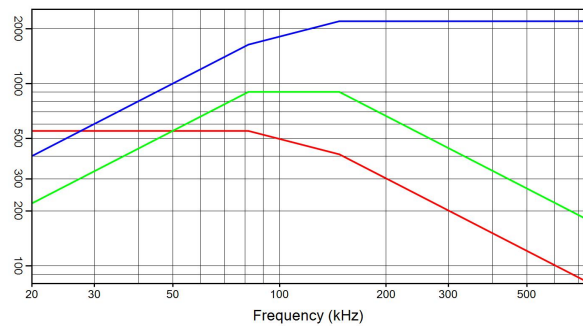
C-CAP 01 1.3 μF 800 V_{rms} 1400 A_{rms} 900 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



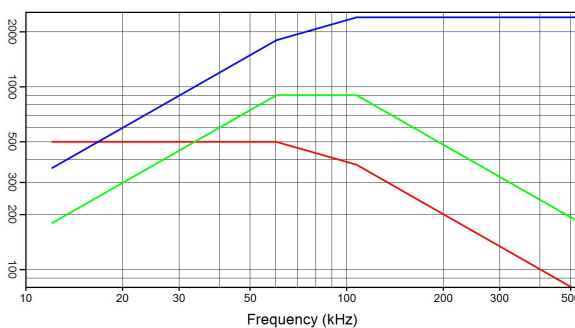
C-CAP 01 2.3 μF 700 V_{rms} 1800 A_{rms} 900 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



C-CAP 01 4 μF 650 V_{rms} 2000 A_{rms} 900 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



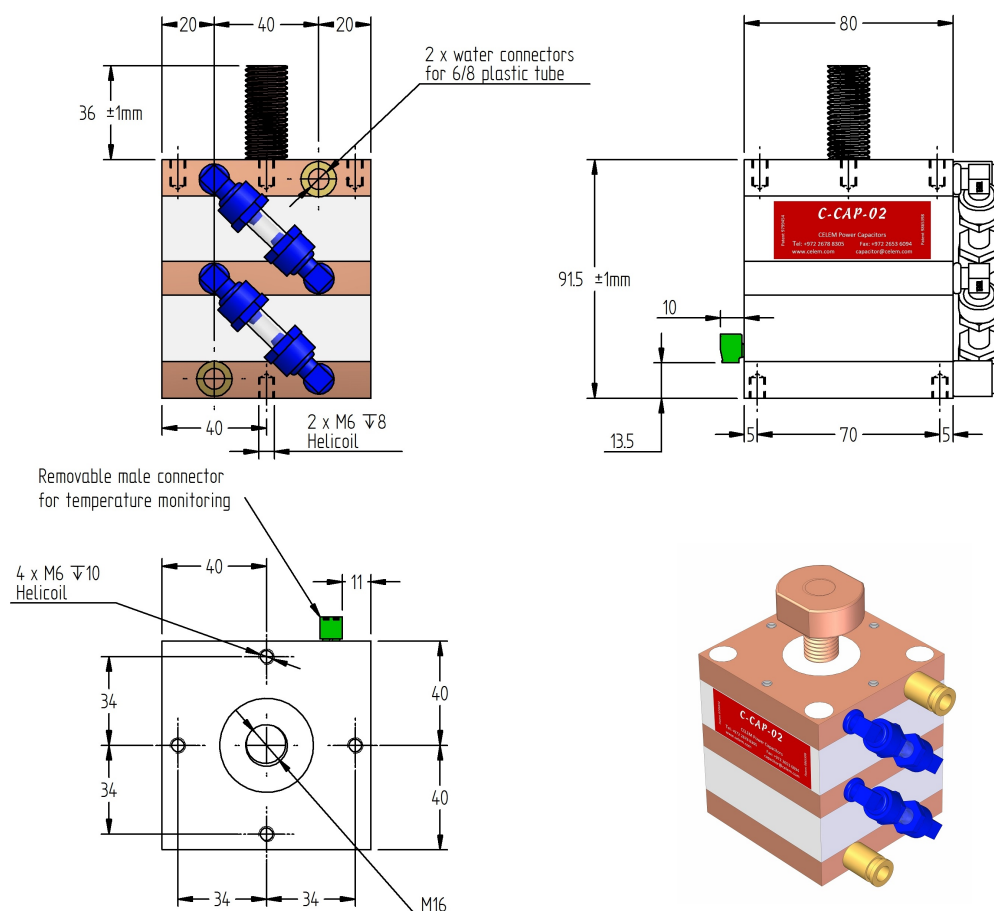
C-CAP 01 5.8 μF 550 V_{rms} 2200 A_{rms} 900 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



C-CAP 01 9.5 μF 500 V_{rms} 2400 A_{rms} 900 kVA_r
I(A) — Q(kVA_r) — V_{rms} —

Celem Power Capacitors

Produced: 03-02-2020



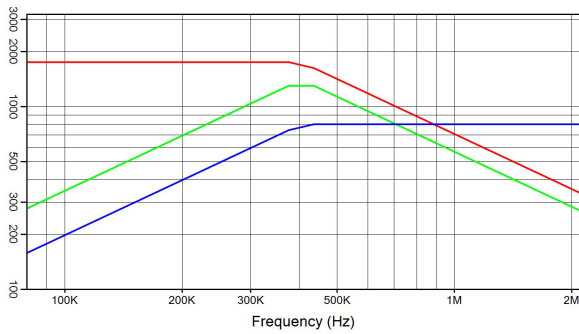
C-Cap is a new innovative capacitor that was developed by Celem. It is protected by US Patent 9799454 and US Patent 9865398.

- 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. It is possible to get 4 straight water connectors.

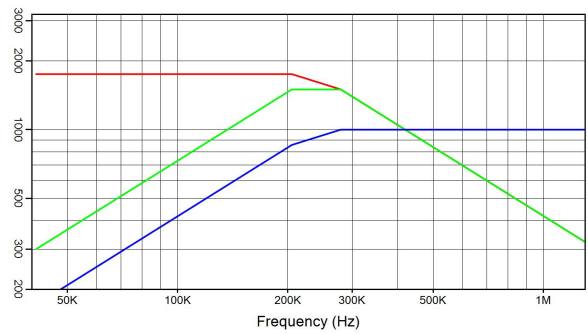
For additional information please see technical notes at www.celem.com.

Specifications

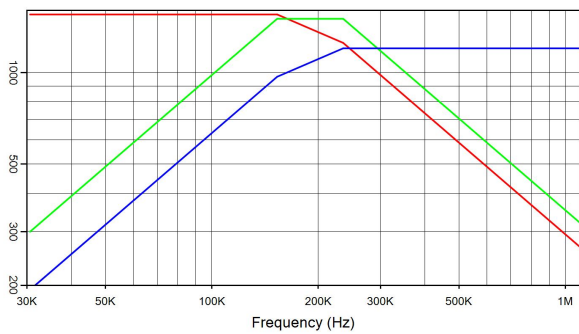
Type		C-CAP 02						
Dimensions (L x W x H)	mm	80 x 80 x 91.5						
Weight	kg	2.5						
Capacitance (±10%)	µF	0.18µF	0.38µF	0.65µF	1.2µF	2µF	2.9µF	4.8µF
Sinusoidal Voltage	V _{rms}	1750		1550	1350	1250	1050	950
Peak_Voltage	V	2475		2192	1909	1768	1485	1344
Max. Current	A _{rms}	800	1000	1200	1500	1700	1900	2100
Max. Power	kVA _r	1300	1500					
Freq Range @ Half Power	kHz	188-871	103-805	76-640	55-573	38-425	37-354	28-255
Freq Range @ Full Power	kHz	376-436	205-279	153-235	109-199	76-153	75-132	55-98



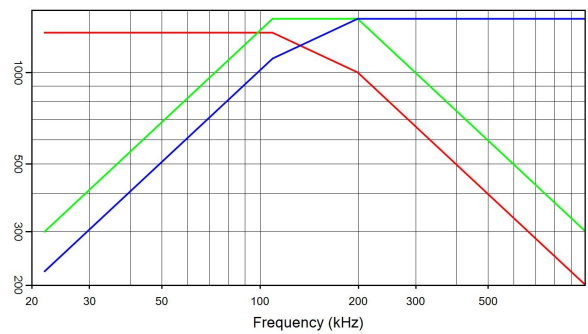
C-CAP 02 0.18 μ F 1750 V_{rms} 800 A_{rms} 1300 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



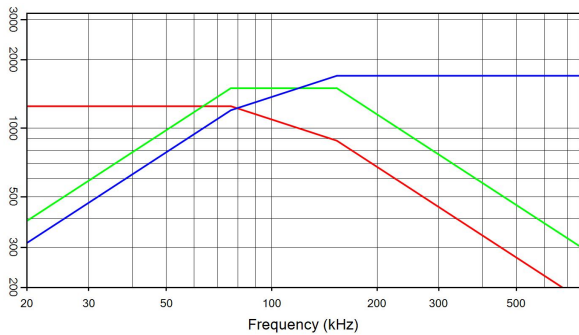
C-CAP 02 0.38 μ F 1750 V_{rms} 1000 A_{rms} 1500 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



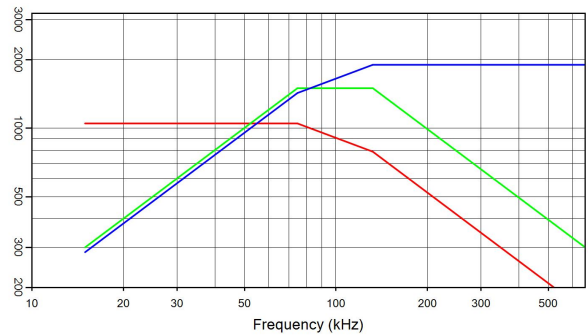
C-CAP 02 0.65 μ F 1550 V_{rms} 1200 A_{rms} 1500 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



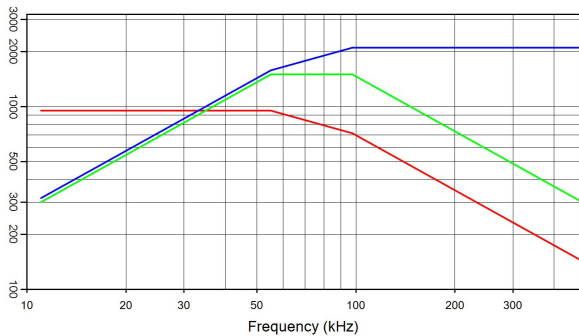
C-CAP 02 1.2 μ F 1350 V_{rms} 1500 A_{rms} 1500 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



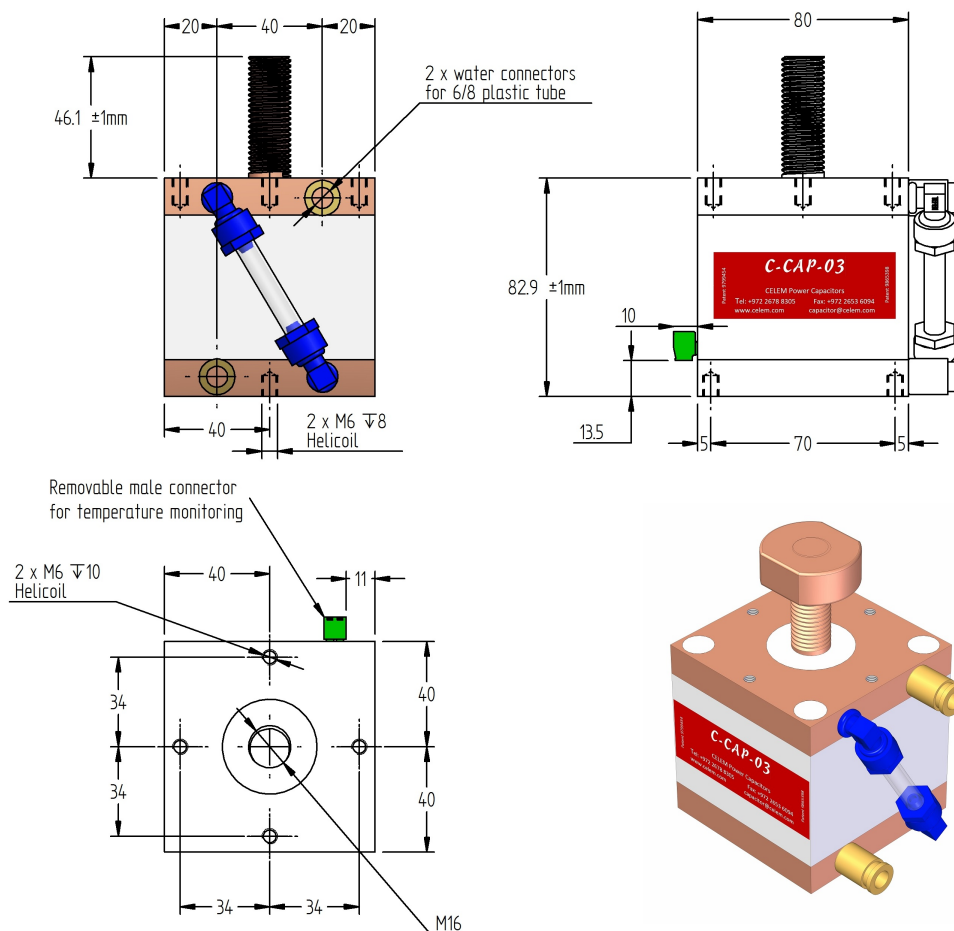
C-CAP 02 2 μ F 1250 V_{rms} 1700 A_{rms} 1500 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



C-CAP 02 2.9 μ F 1050 V_{rms} 1900 A_{rms} 1500 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



C-CAP 02 4.8 μ F 950 V_{rms} 2100 A_{rms} 1500 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



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. It is possible to get 4 straight water connectors.

For additional information please see technical notes at www.celem.com.

Specifications

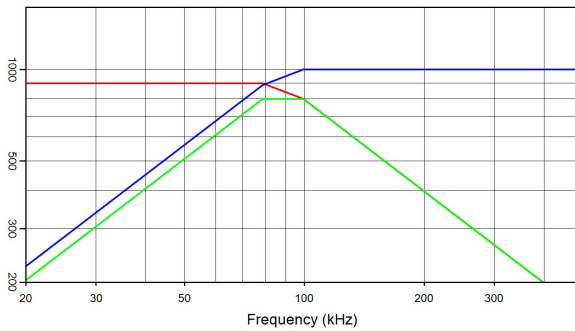
Type		C-CAP 03						
Dimensions (L x W x H)	mm	80 x 80 x 82.9						
Weight	kg	2						
Capacitance (±10%)	µF	2µF	3.5µF	5µF	7µF	10µF	16µF	29µF
Sinusoidal Voltage	V _{rms}	900	800	750	700	650	550	500
Peak_Voltage	V	1273	1131	1061	990	919	778	707
Max. Current	A _{rms}	1000	1200	1300	1400	1500	1700	1900
Max. Power	kVA _r	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

C-CAP 03

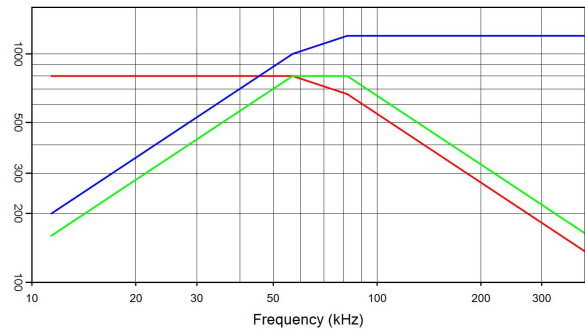
Water-cooled capacitor



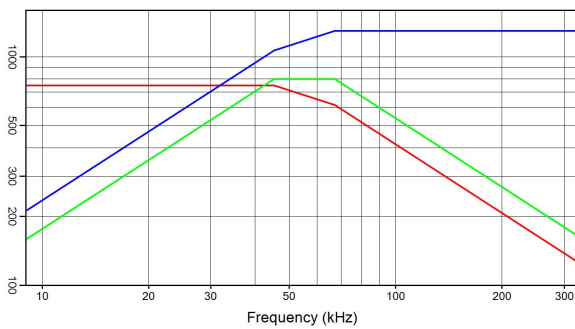
Technology Patented Worldwide



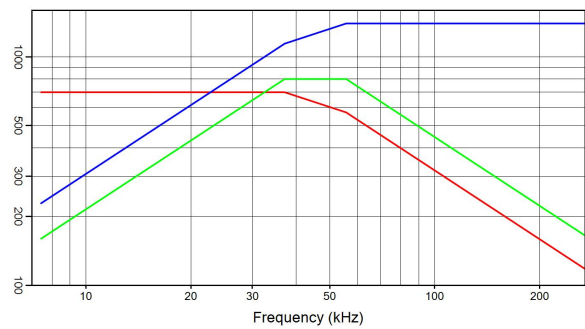
C-CAP 03 2 μ F 900 V_{rms} 1000 A_{rms} 800 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



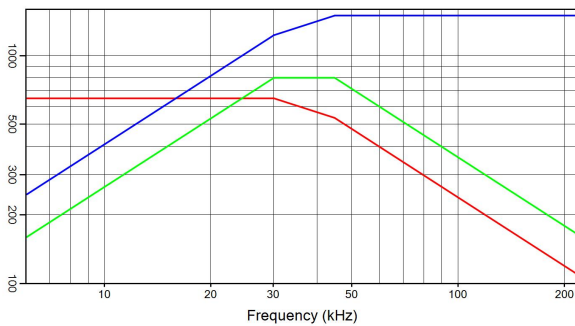
C-CAP 03 3.5 μ F 800 V_{rms} 1200 A_{rms} 800 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



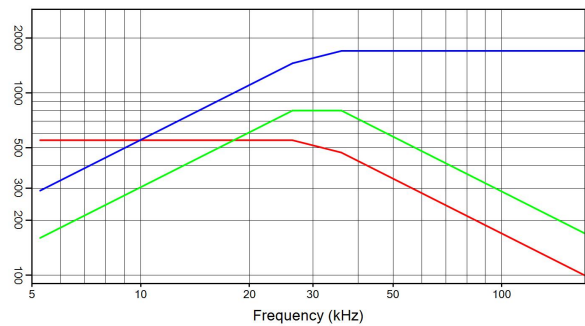
C-CAP 03 5 μ F 750 V_{rms} 1300 A_{rms} 800 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



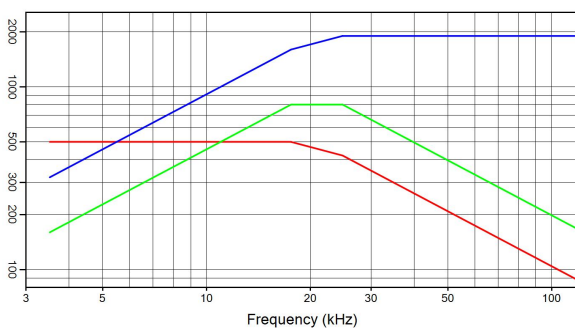
C-CAP 03 7 μ F 700 V_{rms} 1400 A_{rms} 800 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



C-CAP 03 10 μ F 650 V_{rms} 1500 A_{rms} 800 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



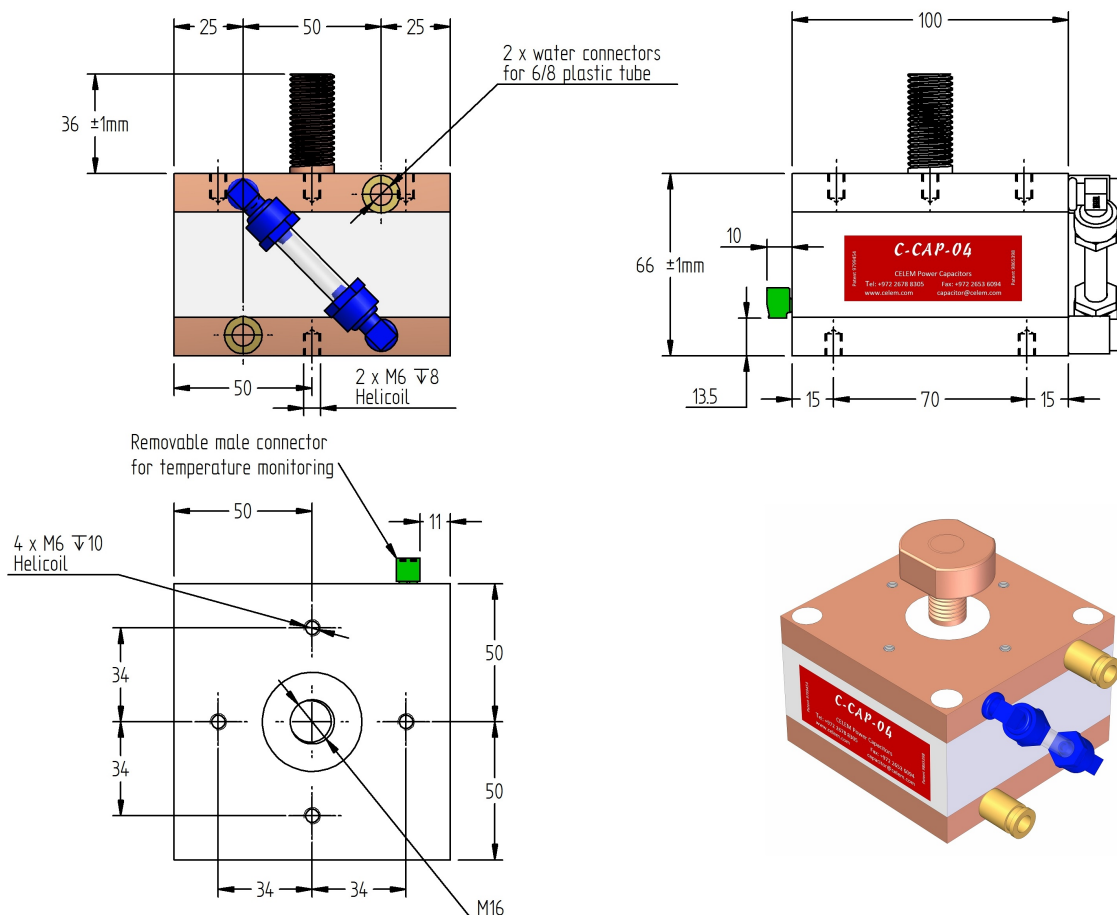
C-CAP 03 16 μ F 550 V_{rms} 1700 A_{rms} 800 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



C-CAP 03 29 μ F 500 V_{rms} 1900 A_{rms} 800 kVA_r
I(A) — Q(kVA_r) — V_{rms} —

Celem Power Capacitors

Produced: 03-02-2020



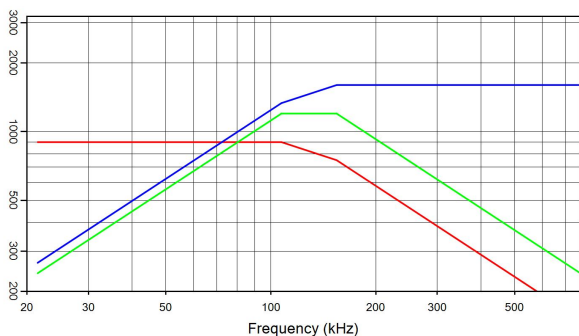
C-Cap is a new innovative capacitor that was developed by Celelem. It is protected by US Patent 9799454 and US Patent 9865398.

- 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. Celelem can supply designated bus-bars.
- Cooling: Maximal inlet pressure 6 Bar, maximal outlet temperature: 45°C. It is possible to get 4 straight water connectors.

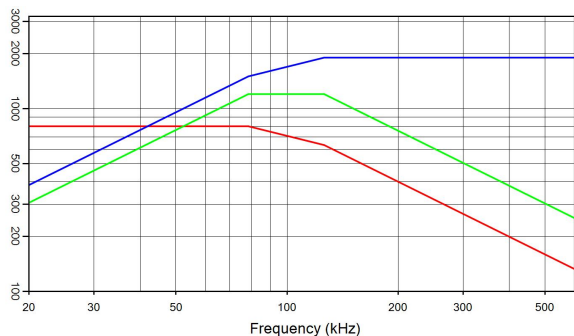
For additional information please see technical notes at www.celelem.com.

Specifications

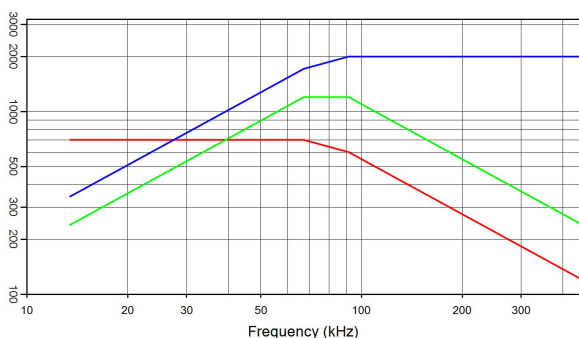
Type		C-CAP 04						
Dimensions (L x W x H)	mm	100 x 100 x 66						
Weight	kg	2.5						
Capacitance (±10%)	µF	2.2µF	3.8µF	5.8µF	8µF	11.5µF	18.5µF	24µF
Sinusoidal Voltage	V _{rms}	900	800	700		650	550	500
Peak_Voltage	V	1273	1131	990		919	778	707
Max. Current	A _{rms}	1600	1900	2000		2100	2200	2400
Max. Power	kVA _r	1200						
Freq Range @ Half Power	kHz	54-309	37-240	34-183	24-133	23-128	17.1-83	15.9-64
Freq Range @ Full Power	kHz	107-154	79-126	67-92	49-66	39-51	34-35	32-32



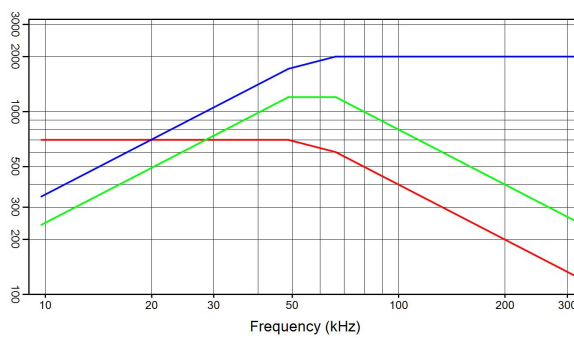
C-CAP 04 2.2 μF 900 V_{rms} 1600 A_{rms} 1200 kVA_r
 $I(\text{A})$ — $Q(\text{kVA}_r)$ — V_{rms}



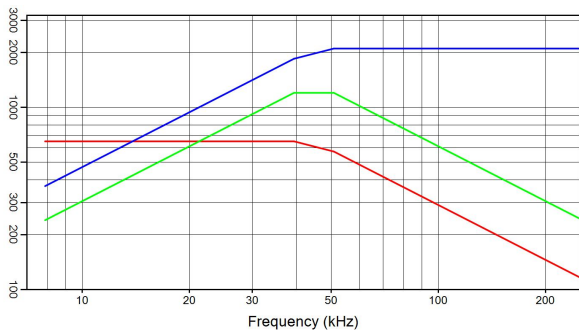
C-CAP 04 3.8 μF 800 V_{rms} 1900 A_{rms} 1200 kVA_r
 $I(\text{A})$ — $Q(\text{kVA}_r)$ — V_{rms}



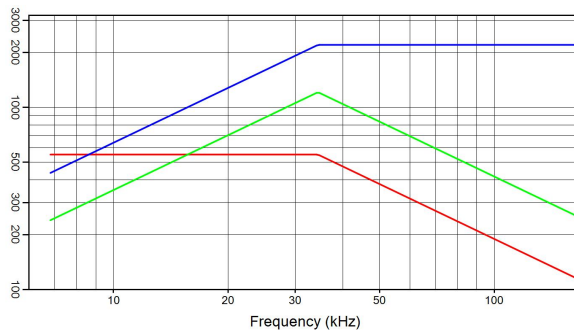
C-CAP 04 5.8 μF 700 V_{rms} 2000 A_{rms} 1200 kVA_r
 $I(\text{A})$ — $Q(\text{kVA}_r)$ — V_{rms}



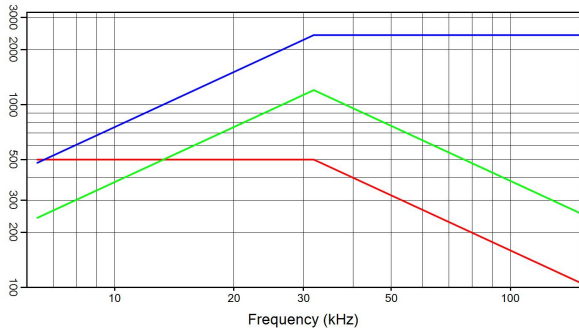
C-CAP 04 8 μF 700 V_{rms} 2000 A_{rms} 1200 kVA_r
 $I(\text{A})$ — $Q(\text{kVA}_r)$ — V_{rms}



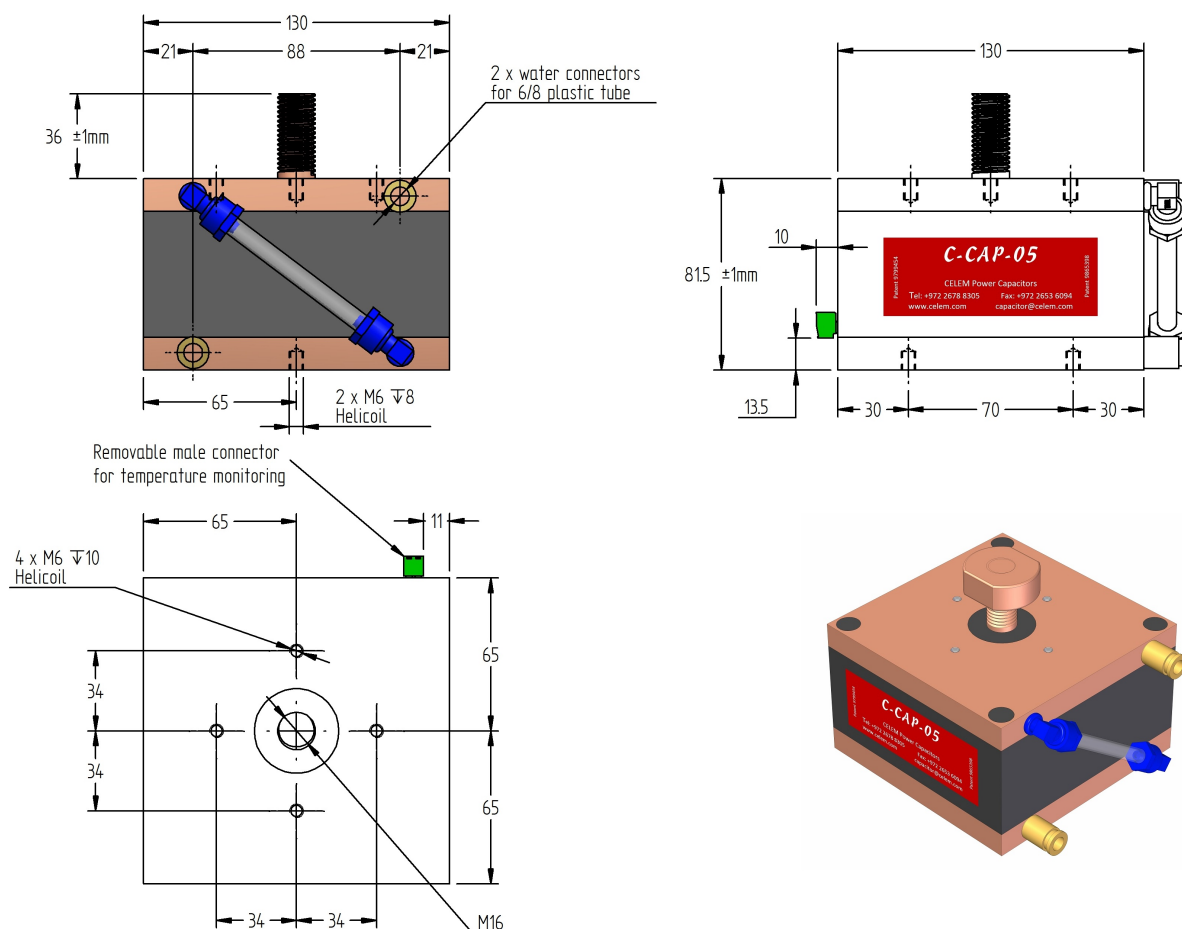
C-CAP 04 11.5 μF 650 V_{rms} 2100 A_{rms} 1200 kVA_r
 $I(\text{A})$ — $Q(\text{kVA}_r)$ — V_{rms}



C-CAP 04 18.5 μF 550 V_{rms} 2200 A_{rms} 1200 kVA_r
 $I(\text{A})$ — $Q(\text{kVA}_r)$ — V_{rms}



C-CAP 04 24 μF 500 V_{rms} 2400 A_{rms} 1200 kVA_r
 $I(\text{A})$ — $Q(\text{kVA}_r)$ — V_{rms}



C-Cap is a new innovative capacitor that was developed by Celelem. 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. Celelem can supply designated bus-bars.
- Cooling: Maximal inlet pressure 6 Bar, maximal outlet temperature: 45°C. It is possible to get 4 straight water connectors.

For additional information please see technical notes at www.celelem.com.

Specifications

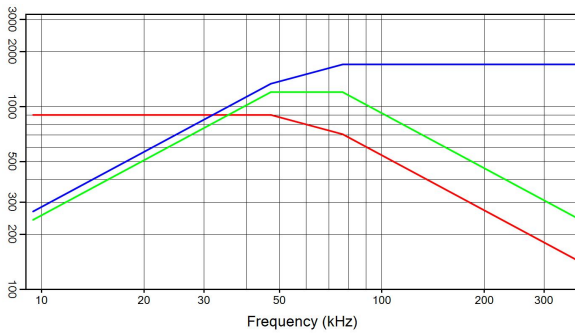
Type		C-CAP 05						
Dimensions (L x W x H)	mm	130 x 130 x 81.5						
Weight	kg	4.5						
Capacitance ($\pm 10\%$)	μF	5 μF	9 μF	14 μF	19 μF	27 μF	46 μF	85 μF
Sinusoidal Voltage	V _{rms}	900	800	750	700	650	550	500
Peak_Voltage	V	1273	1131	1061	990	919	778	707
Max. Current	A _{rms}	1700	1900	2200	2400	2500	2600	3000
Max. Power	kVA _r	1200						
Freq Range @ Half Power	kHz	24-109	16.4-76	11.8-61	9.8-45	9-38	7.2-27	5.6-19.6
Freq Range @ Full Power	kHz	47-77	33-53	24-46	21-40	16.8-31	13.7-19.5	9-14.1

C-CAP 05

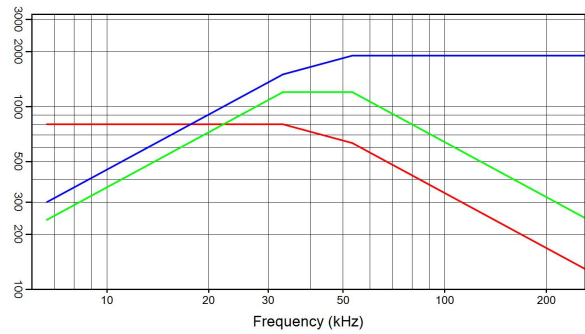
Water-cooled capacitor



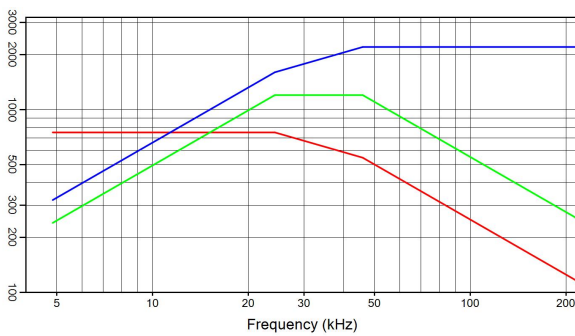
Technology Patented Worldwide



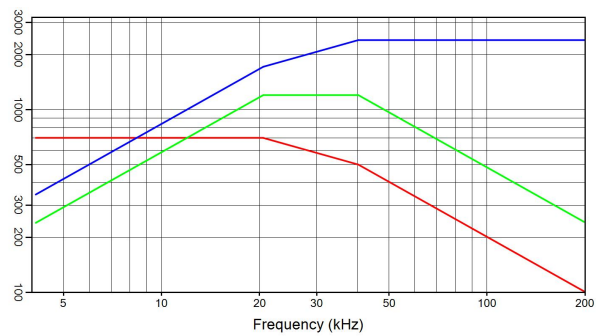
C-CAP 05 5 µF 900 V_{rms} 1700 A_{rms} 1200 kVA_r
I(A) — Q(kVA_r) — V_{rms}



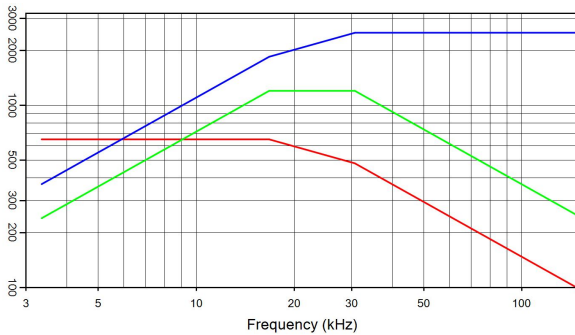
C-CAP 05 9 µF 800 V_{rms} 1900 A_{rms} 1200 kVA_r
I(A) — Q(kVA_r) — V_{rms}



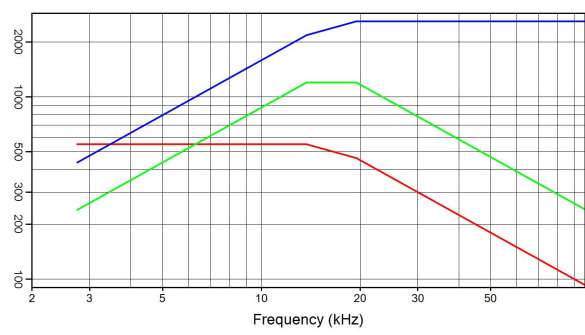
C-CAP 05 14 µF 750 V_{rms} 2200 A_{rms} 1200 kVA_r
I(A) — Q(kVA_r) — V_{rms}



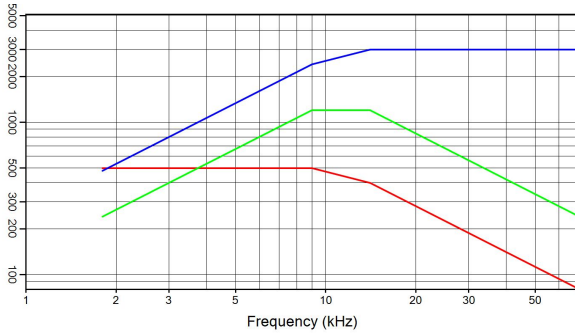
C-CAP 05 19 µF 700 V_{rms} 2400 A_{rms} 1200 kVA_r
I(A) — Q(kVA_r) — V_{rms}



C-CAP 05 27 µF 650 V_{rms} 2500 A_{rms} 1200 kVA_r
I(A) — Q(kVA_r) — V_{rms}



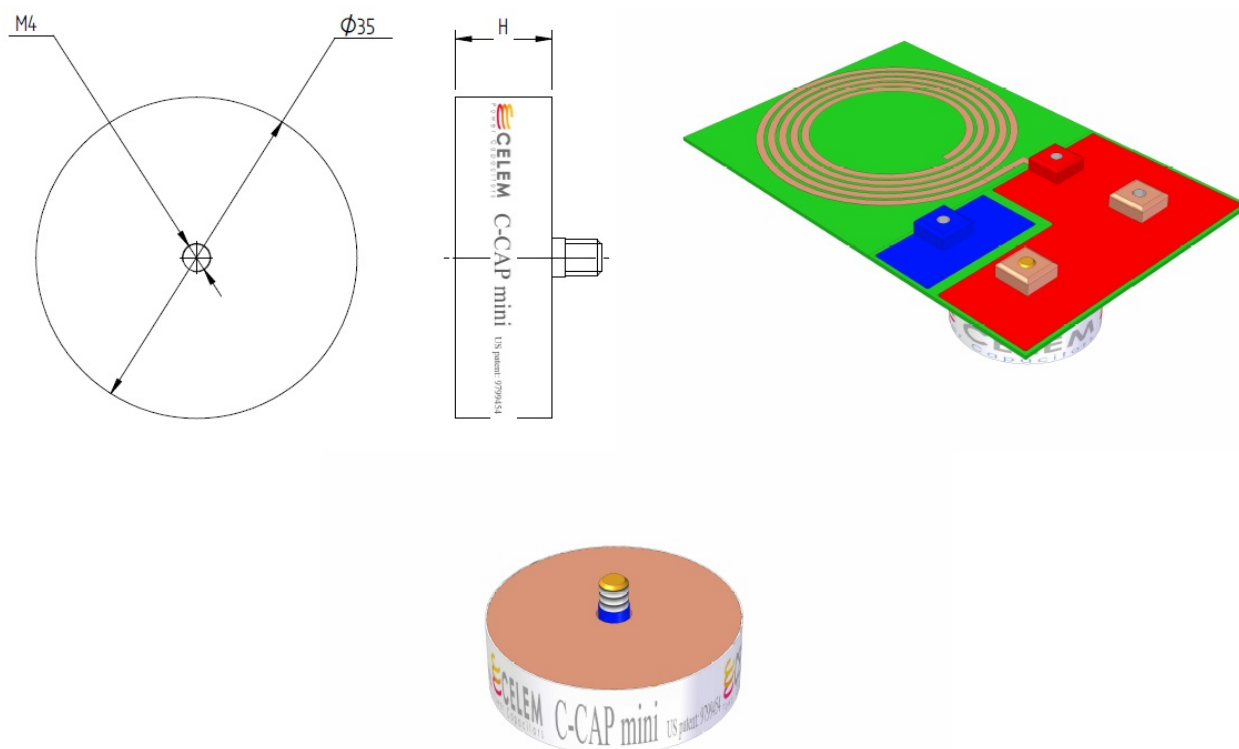
C-CAP 05 46 µF 550 V_{rms} 2600 A_{rms} 1200 kVA_r
I(A) — Q(kVA_r) — V_{rms}



C-CAP 05 85 µF 500 V_{rms} 3000 A_{rms} 1200 kVA_r
I(A) — Q(kVA_r) — V_{rms}

Celem Power Capacitors

Produced: 03-02-2020



C-Cap mini is a low profile power capacitor. It was developed based on the new innovative coaxial technology (US Patent 9799454) by Celelem. It comes in 2 versions, a standard, polypropylene, version and a PPS version for environment up to 125° C.

The C-Cap mini can be customized electrically and mechanically. Different capacitances and voltages available upon request.

C-Cap mini can be mounted from one side of 2 bus-bar system, like the water-cooled C-Cap capacitors.

In addition, due to its relative low power, the C-Cap mini can be mounted on a PCB.

Tightening torque of C-Cap mini is 1 Nm.

Note: Regardless of the cooling method, at full power, capacitor temperature should not raise above 55C during operation.

Specifications

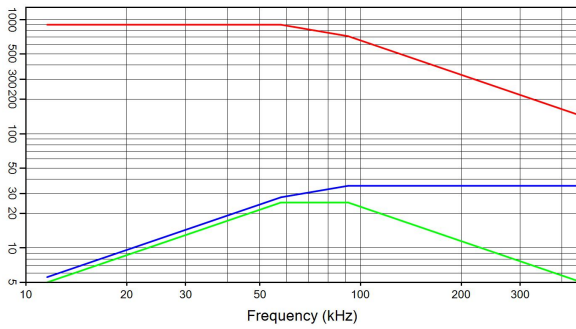
Type		C - CAP mini				
Dimensions (D x H)	mm	Ø35 x 16.8(min)	Ø35 x 10.8(min)		Ø35 x 16.8(min)	
Weight	kg	0.02				
Capacitance (±10%)	µF	0.085µF	0.09µF	0.27µF	0.3µF	0.66µF
Sinusoidal Voltage	V _{rms}	900	700	550	700	550
Peak_Voltage	V	1273	990	778	990	778
Max. Current	A _{rms}	35	36	60		
Max. Power	kVA _r	25				
Freq Range @ Full Power	kHz	58-92	90-92	49-85	27-76	19.9-35

C - CAP mini

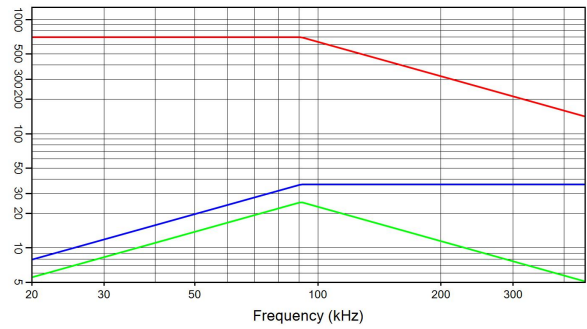
Conduction-cooled capacitor



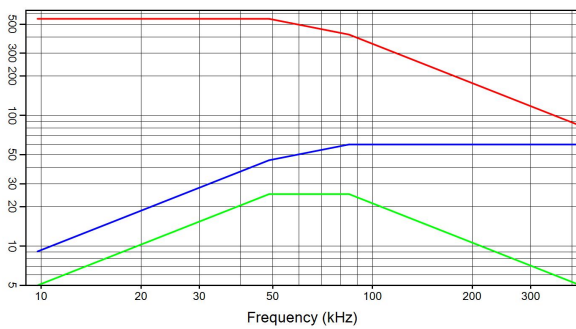
Technology Patented Worldwide



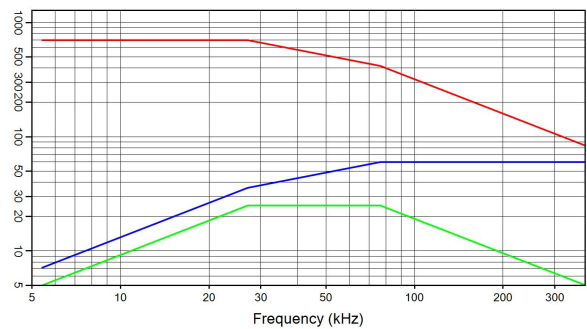
C - CAP mini 0.085 μ F 900 V_{rms} 35 A_{rms} 25 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



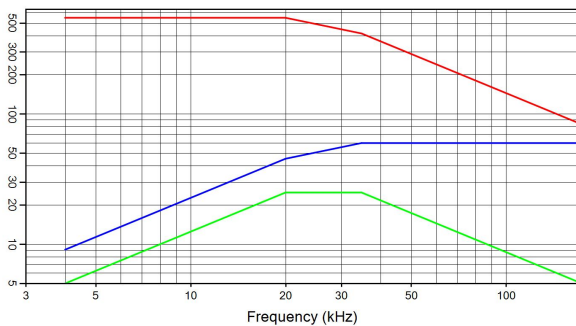
C - CAP mini 0.09 μ F 700 V_{rms} 36 A_{rms} 25 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



C - CAP mini 0.27 μ F 550 V_{rms} 60 A_{rms} 25 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



C - CAP mini 0.3 μ F 700 V_{rms} 60 A_{rms} 25 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



C - CAP mini 0.66 μ F 550 V_{rms} 60 A_{rms} 25 kVA_r
I(A) — Q(kVA_r) — V_{rms} —

Celem Power Capacitors

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