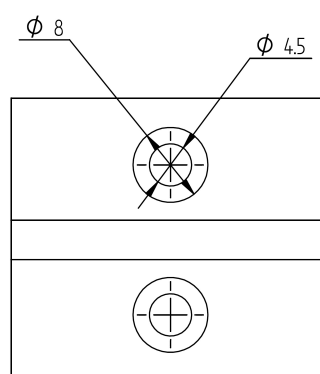
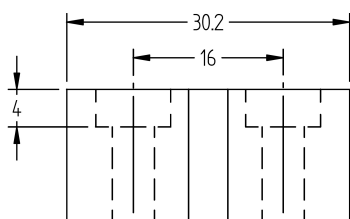




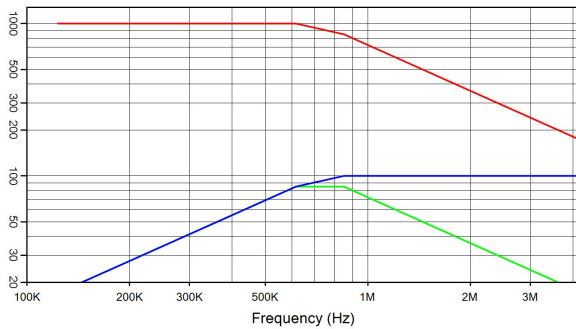
The new CSM IPT is the smallest 85 kVAr capacitor available.

It is specially designed with a low profile of 14 mm to suit the demands of inductive power transfer systems.

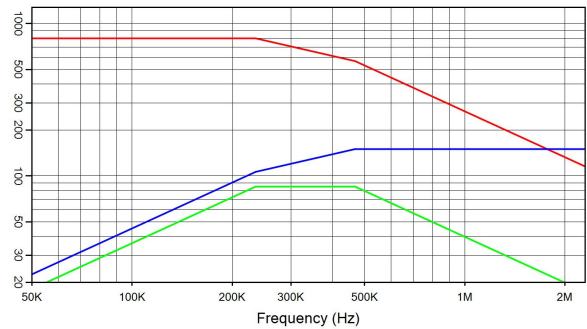
Any capacitance can be customized and it is also available in high temperature film.

Specifications

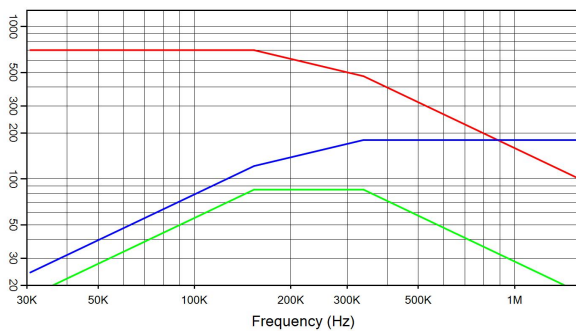
Type		CSM IPT			
Dimensions (L x W x H)	mm	34 x 30.2 x 14			
Weight	kg	0.065			
Capacitance ($\pm 10\%$)	μF	0.022 μF	0.09 μF	0.18 μF	0.44 μF
Sinusoidal Voltage	V _{rms}	1000	800	700	450
Peak_Voltage	V	1414	1131	990	636
Max. Current	A _{rms}	100	150	180	225
Max. Power	kVA _r	85			
Freq Range @ Half Power	kHz	308-1703	117-937	77-674	76-431
Freq Range @ Full Power	kHz	615-852	235-468	153-337	152-216



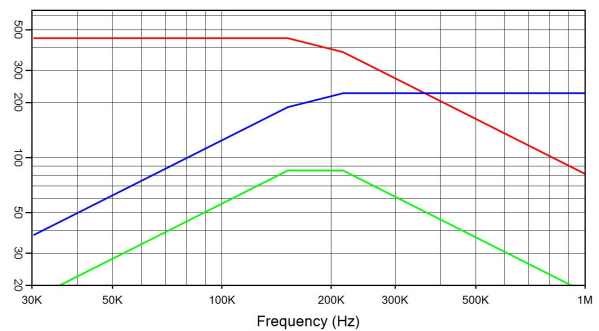
CSM IPT 0.022 μF 1000 V_{rms} 100 A_{rms} 85 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



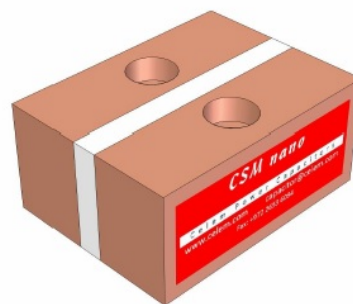
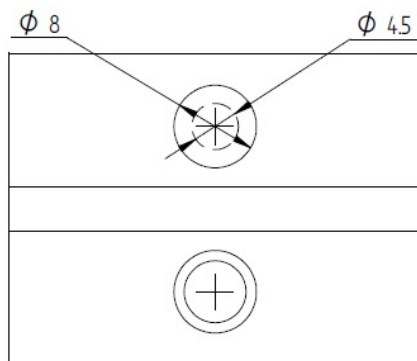
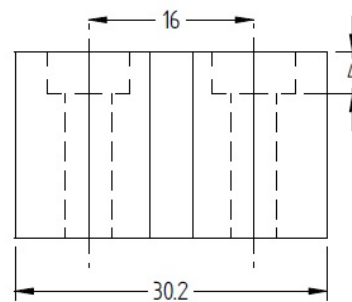
CSM IPT 0.09 μF 800 V_{rms} 150 A_{rms} 85 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



CSM IPT 0.18 μF 700 V_{rms} 180 A_{rms} 85 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



CSM IPT 0.44 μF 450 V_{rms} 225 A_{rms} 85 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



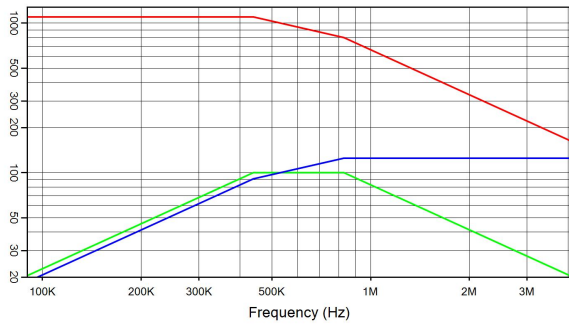
CSM nano is a new Celem Power Capacitor. The CSM nano utilizes the same mounting concept as the well-known CSM series invented by Celem.

The nano capacitor can drive 100kVAr at voltages up to 1100Vrms and currents up to 250Arms.

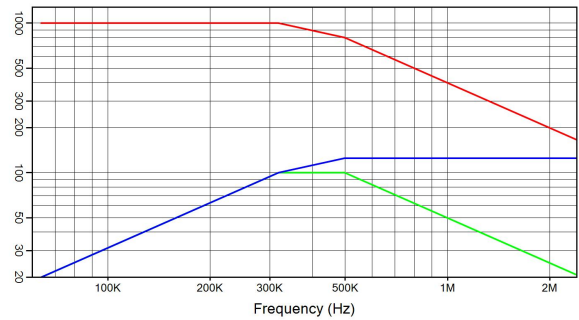
The CSM nano is ideal for small applications that require high power, as its ratio of power to volume is very high and equivalent to the CSM300/150 – the newest capacitor in the popular series of CSM100, CSM150, CSM200/150 and CSM300/150.

Specifications

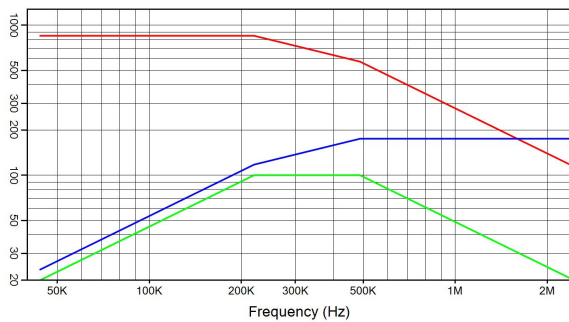
Type		CSM nano							
Dimensions (L x W x H)	mm	40 x 30.2 x 18							
Weight	kg	0.1							
Capacitance (±10%)	μF	0.03μF	0.05μF	0.1μF	0.15μF	0.2μF	0.3μF	0.5μF	0.8μF
Sinusoidal Voltage	V _{rms}	1100	1000	850	800	750	650	600	450
Peak_Voltage	V	1560	1410	1200	1130	1061	920	850	630
Max. Current	A _{rms}	125		175	200		225	250	
Max. Power	kVA _r	100							
Freq Range @ Full Power	kHz	439-829	318-498	220-488	166-425	142-318	126-269	88-199	98-124



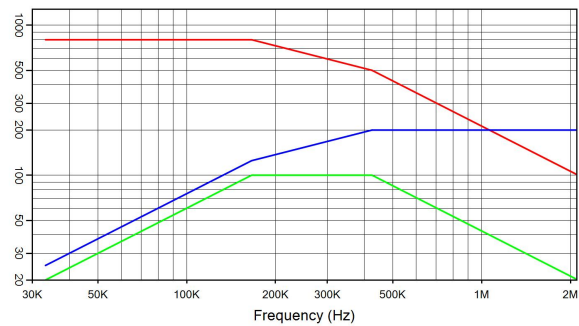
CSM nano 0.03 μF 1100 V_{rms} 125 A_{rms} 100 kVA_r
 $I(A)$ — $Q(\text{kVA}_r)$ — V_{rms} —



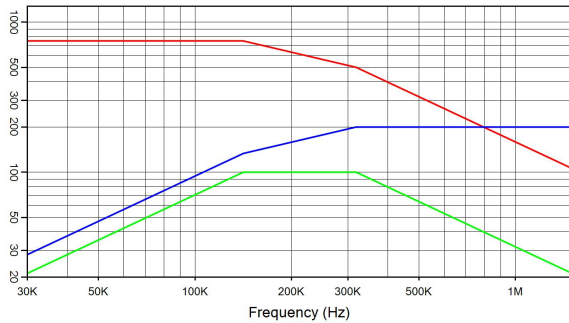
CSM nano 0.05 μF 1000 V_{rms} 125 A_{rms} 100 kVA_r
 $I(A)$ — $Q(\text{kVA}_r)$ — V_{rms} —



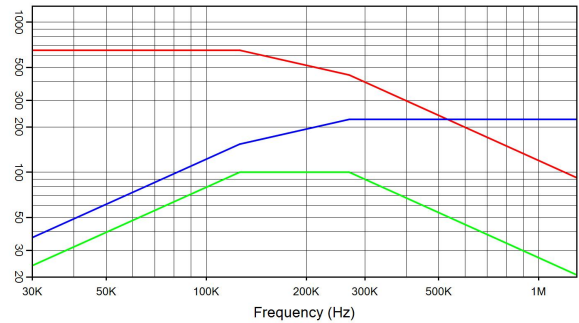
CSM nano 0.1 μF 850 V_{rms} 175 A_{rms} 100 kVA_r
 $I(A)$ — $Q(\text{kVA}_r)$ — V_{rms} —



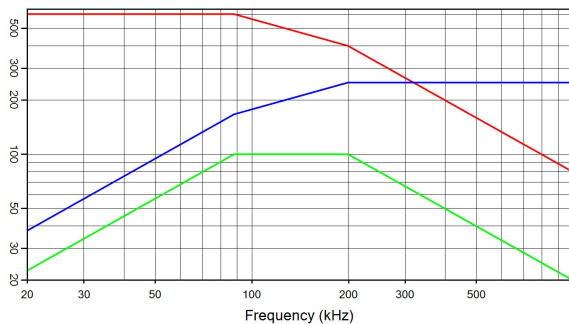
CSM nano 0.15 μF 800 V_{rms} 200 A_{rms} 100 kVA_r
 $I(A)$ — $Q(\text{kVA}_r)$ — V_{rms} —



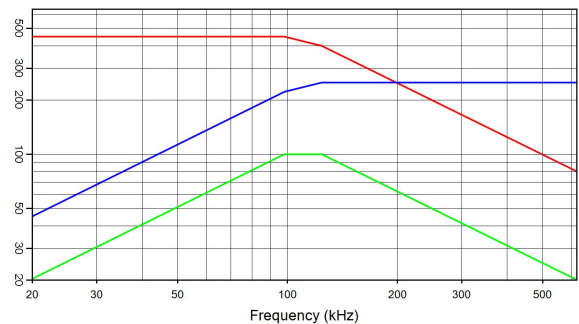
CSM nano 0.2 μF 750 V_{rms} 200 A_{rms} 100 kVA_r
 $I(A)$ — $Q(\text{kVA}_r)$ — V_{rms} —



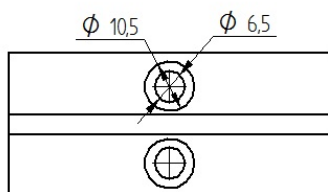
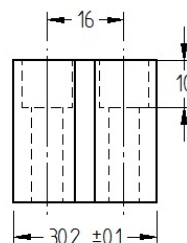
CSM nano 0.3 μF 650 V_{rms} 225 A_{rms} 100 kVA_r
 $I(A)$ — $Q(\text{kVA}_r)$ — V_{rms} —



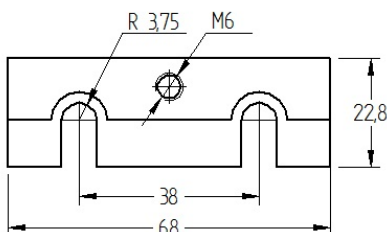
CSM nano 0.5 μF 600 V_{rms} 250 A_{rms} 100 kVA_r
 $I(A)$ — $Q(\text{kVA}_r)$ — V_{rms} —



CSM nano 0.8 μF 450 V_{rms} 250 A_{rms} 100 kVA_r
 $I(A)$ — $Q(\text{kVA}_r)$ — V_{rms} —



An optional adaptive shoe - for CP100/150 users



The 150kVAr rated CSM 150 and its newly developed versions (CSM 150/200 and CSM 150/300) are Celem's most popular capacitors.

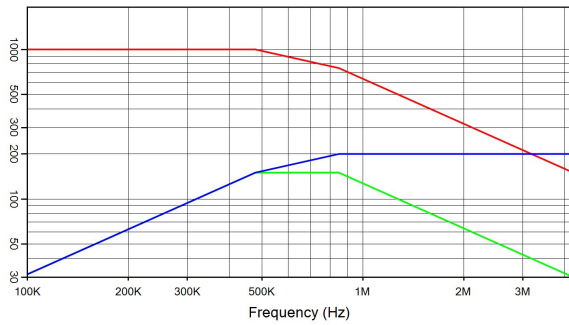
The unique patented structure enables rapid mounting and dismounting of the capacitor. As a result, many customers use the CSM 150 as a building block for parallel and serial capacitor combinations.

Celem AS 150/3 and the AS 150/5 assembly systems are ideal for creating CSM 150 assemblies.

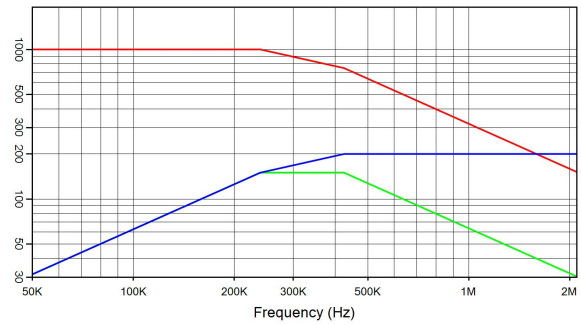
Please note that the newer CSM 150/200 and CSM 150/300 have the same physical dimensions as the CSM 150 but are rated for higher voltage and higher current and can carry up to 200 and 300kVAr respectively.

Specifications

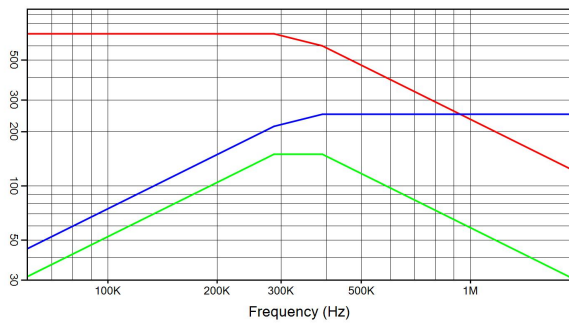
Type		CSM 150							
Dimensions (L x W x H)	mm	68 x 30.2 x 30							
Weight	kg	0.3							
Capacitance (±10%)	μF	0.05 _{μF}	0.1 _{μF}	0.17 _{μF}	0.33 _{μF}	0.5 _{μF}	0.66 _{μF}	1.33 _{μF}	2.4 _{μF}
Sinusoidal Voltage	V _{rms}	1000		700			600	500	400
Peak Voltage	V	1410		990			850	710	570
Max. Current	A _{rms}	200		250			300		400
Max. Power	kVA _r	150							
Freq Range @ Full Power	kHz	478-849	239-425	287-390	148-201	97-133	101-145	72-72	62-71
Stray Inductance	nH	<3							



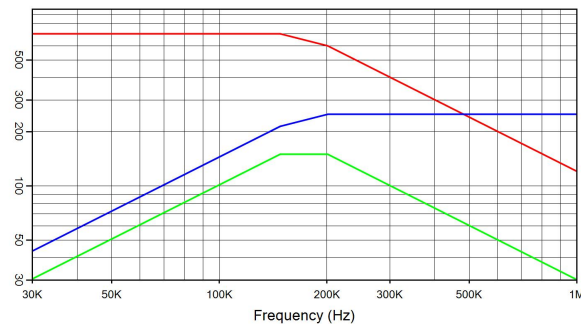
CSM 150 0.05 μF 1000 V_{rms} 200 A_{rms} 150 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



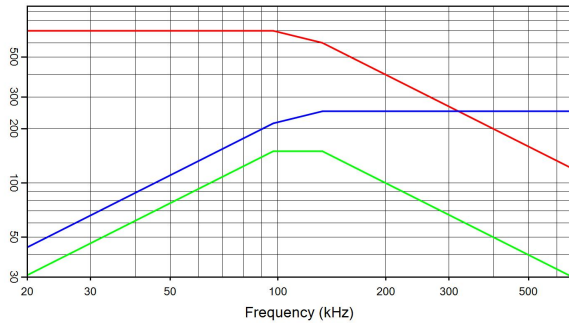
CSM 150 0.1 μF 1000 V_{rms} 200 A_{rms} 150 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



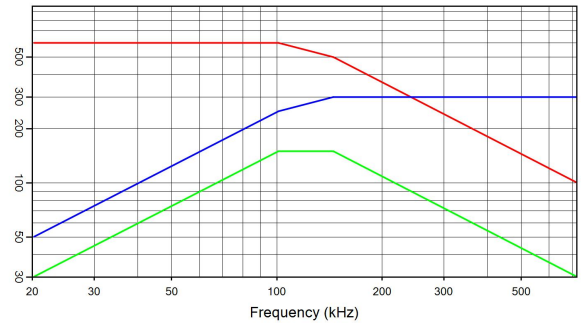
CSM 150 0.17 μF 700 V_{rms} 250 A_{rms} 150 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



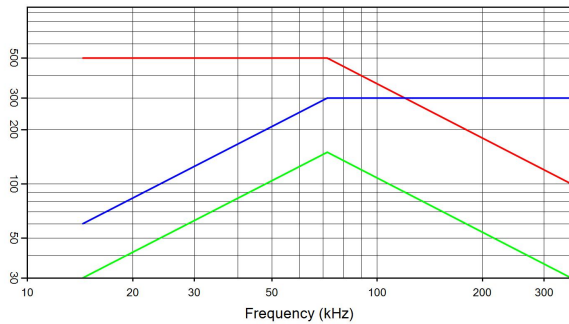
CSM 150 0.33 μF 700 V_{rms} 250 A_{rms} 150 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



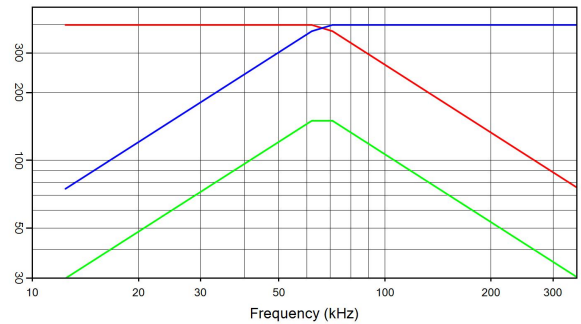
CSM 150 0.5 μF 700 V_{rms} 250 A_{rms} 150 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



CSM 150 0.66 μF 600 V_{rms} 300 A_{rms} 150 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



CSM 150 1.33 μF 500 V_{rms} 300 A_{rms} 150 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



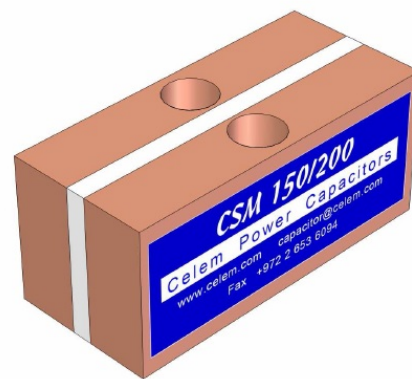
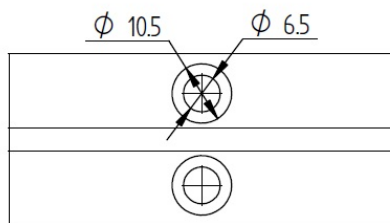
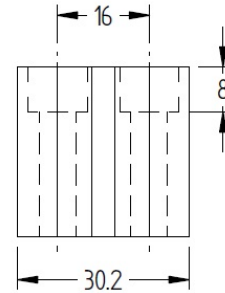
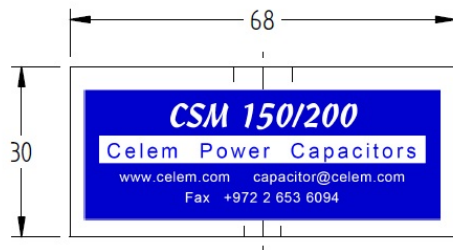
CSM 150 2.4 μF 400 V_{rms} 400 A_{rms} 150 kVA_r
I(A) — Q(kVA_r) — V_{rms} —

CSM 150/200

Conduction-cooled capacitor



Technology Patented Worldwide



The CSM 150/200 conduction-cooled capacitor is designed for high frequency applications requiring up to 200 kVAr of power. It offers superior electrical characteristics in the same physical dimensions as the popular CSM 150. The CSM 150/200's unique patented structure enables rapid mounting and dismounting of the capacitor, making it ideal for parallel and serial capacitor combinations. Celelem AS 150/3 and the AS 150/5 assembly systems are ideal for creating CSM 150/200 assemblies. Please note that the newer CSM 150/300 has the same physical dimensions as the CSM 150/200 but is rated for higher voltage and higher current and can carry up to 300kVAr

Specifications

Type		CSM 150/200									
Dimensions (L x W x H)	mm	68 x 30.2 x 30									
Weight	kg	0.3									
Capacitance (±10%)	μF	0.05μF	0.1μF	0.17μF	0.33μF	0.5μF	0.66μF	1μF	1.33μF	2.4μF	
Sinusoidal Voltage	V _{rms}	1000		900	800		700	650	600	450	
Peak_Voltage	V	1410		1270	1130		990	919	850	640	
Max. Current	A _{rms}	250		300		350	400		450	500	
Max. Power	kVA _r	200									
Freq Range @ Full Power	kHz	637-995	318-497	231-421	151-217	99-195	98-193	75-127	66-121	65-83	
Stray Inductance	nH	< 3									

Celelem Power Capacitors

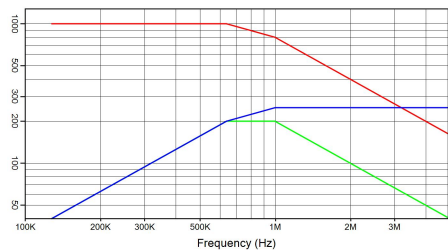
Produced: 12-02-2017

CSM 150/200

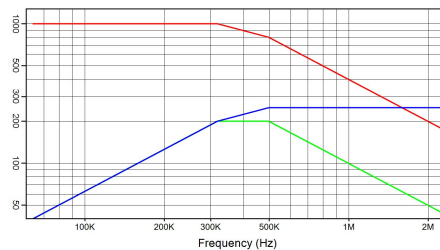
Conduction-cooled capacitor



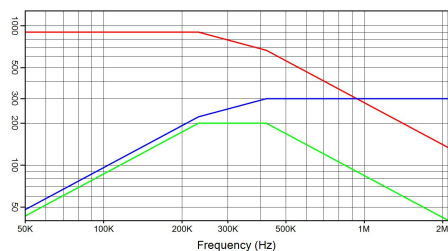
Technology Patented Worldwide



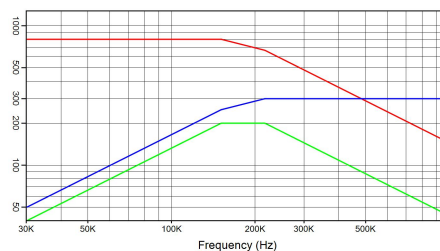
CSM 150/200 0.05 μF 1000 V_{rms} 250 A_{rms} 200 kVA_r
I(A) — Q(kVA_r) — V_{rms} — V_{rms}



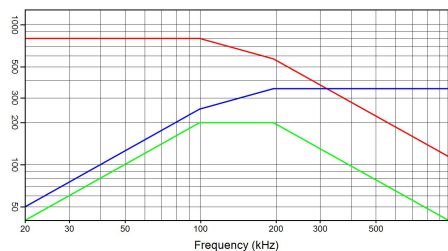
CSM 150/200 0.1 μF 1000 V_{rms} 250 A_{rms} 200 kVA_r
I(A) — Q(kVA_r) — V_{rms} — V_{rms}



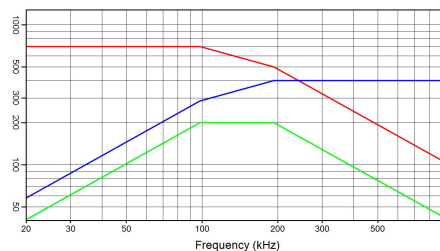
CSM 150/200 0.17 μF 900 V_{rms} 300 A_{rms} 200 kVA_r
I(A) — Q(kVA_r) — V_{rms} — V_{rms}



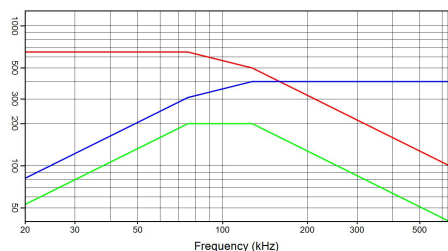
CSM 150/200 0.33 μF 800 V_{rms} 300 A_{rms} 200 kVA_r
I(A) — Q(kVA_r) — V_{rms} — V_{rms}



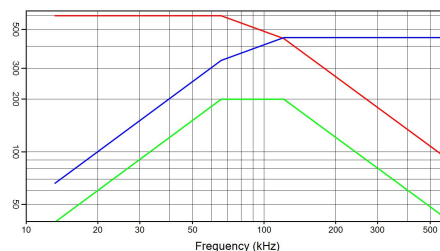
CSM 150/200 0.5 μF 800 V_{rms} 350 A_{rms} 200 kVA_r
I(A) — Q(kVA_r) — V_{rms} — V_{rms}



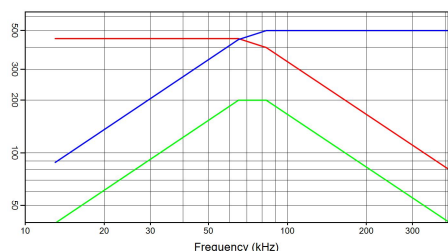
CSM 150/200 0.66 μF 700 V_{rms} 400 A_{rms} 200 kVA_r
I(A) — Q(kVA_r) — V_{rms} — V_{rms}



CSM 150/200 1 μF 650 V_{rms} 400 A_{rms} 200 kVA_r
I(A) — Q(kVA_r) — V_{rms} — V_{rms}



CSM 150/200 1.33 μF 600 V_{rms} 450 A_{rms} 200 kVA_r
I(A) — Q(kVA_r) — V_{rms} — V_{rms}



CSM 150/200 2.4 μF 450 V_{rms} 500 A_{rms} 200 kVA_r
I(A) — Q(kVA_r) — V_{rms} — V_{rms}

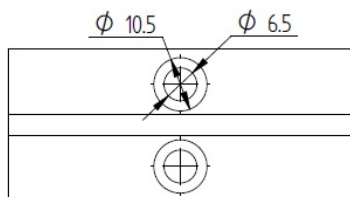
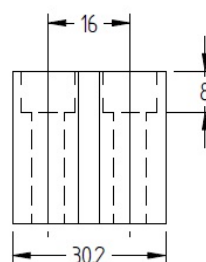
Celem Power Capacitors

Produced: 12-02-2017

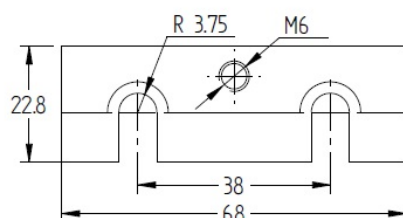
CSM 150/300

Conduction-cooled capacitor

Technology Patented Worldwide



An optional adaptive shoe – for EP100/150 users



CSM150/300 is a new capacitor built with a new soldering technology that enables a better heat extraction and hence higher operating power of 300kVAr.

Specifications

Type		CSM 150/300									
Dimensions (L x W x H)	mm	68 x 30.2 x 30									
Weight	kg	0.3									
Capacitance (±10%)	μF	0.05μF	0.1μF	0.17μF	0.33μF	0.5μF	0.66μF	1μF	1.33μF	2.4μF	
Sinusoidal Voltage	V _{rms}	1000			800		700		600	500	
Peak Voltage	V	1410			1130		990		850	710	
Max. Current	A _{rms}	300			400		450		500	600	
Max. Power	kVA _r	300									
Freq Range @ Full Power	kHz	955-955	478-478	281-281	226-257	149-170	148-163	97-107	100-100	80-80	
Stray Inductance	nH	< 3									

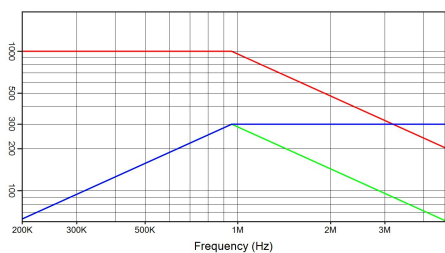
Celem Power Capacitors

Produced: 03-09-2015

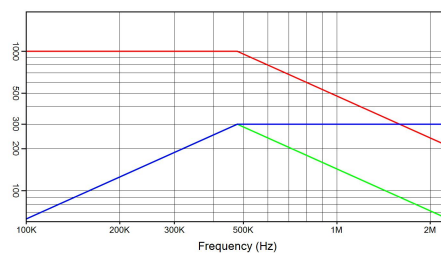
CSM 150/300

Conduction-cooled capacitor

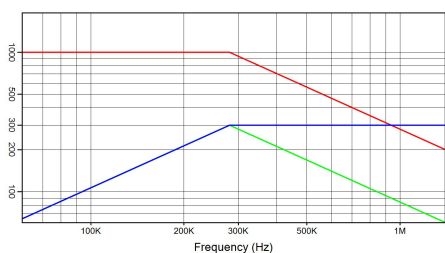
Technology Patented Worldwide



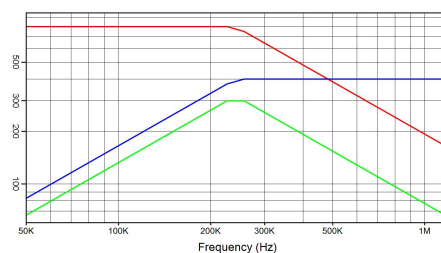
CSM 150/300 0.05 μF 1000 V_{rms} 300 A_{rms} 300 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



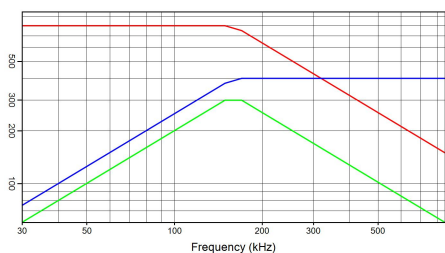
CSM 150/300 0.1 μF 1000 V_{rms} 300 A_{rms} 300 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



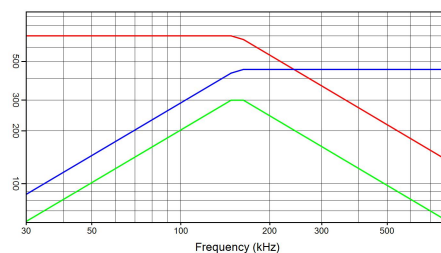
CSM 150/300 0.17 μF 1000 V_{rms} 300 A_{rms} 300 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



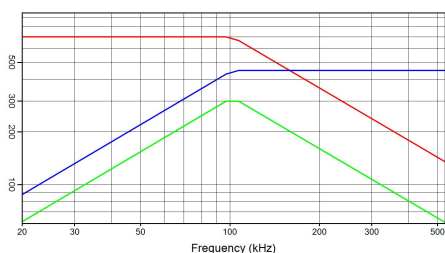
CSM 150/300 0.33 μF 800 V_{rms} 400 A_{rms} 300 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



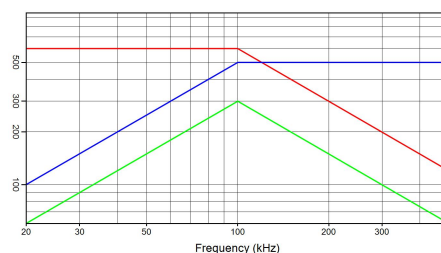
CSM 150/300 0.5 μF 800 V_{rms} 400 A_{rms} 300 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



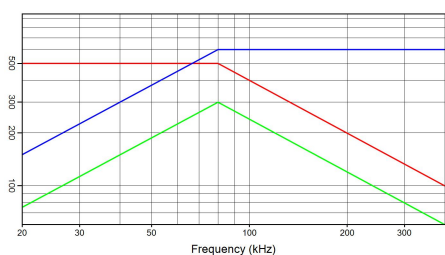
CSM 150/300 0.66 μF 700 V_{rms} 450 A_{rms} 300 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



CSM 150/300 1 μF 700 V_{rms} 450 A_{rms} 300 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



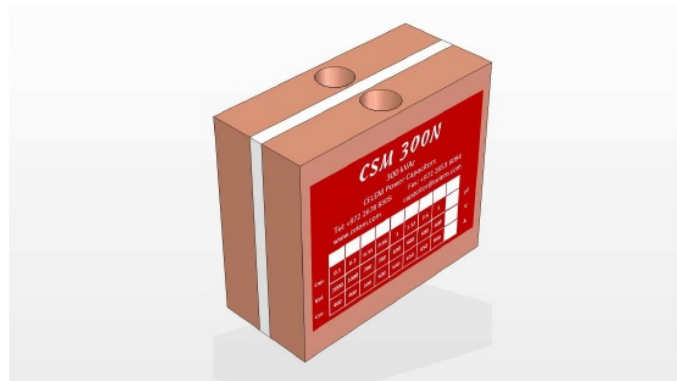
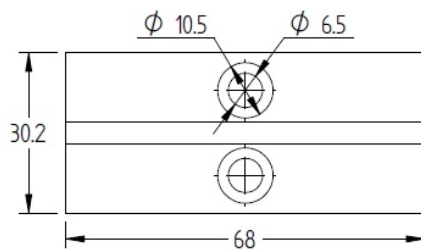
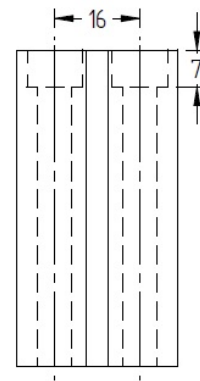
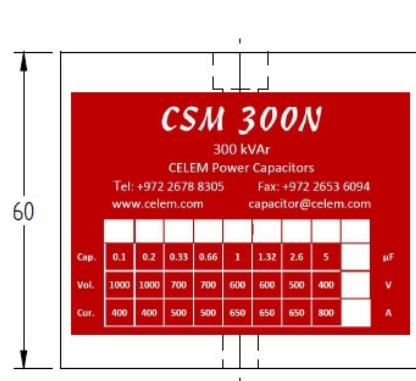
CSM 150/300 1.33 μF 600 V_{rms} 500 A_{rms} 300 kVA_r
I(A) — Q(kVA_r) — V_{rms} —



CSM 150/300 2.4 μF 500 V_{rms} 600 A_{rms} 300 kVA_r
I(A) — Q(kVA_r) — V_{rms} —

Celem Power Capacitors

Produced: 03-09-2015



It is a 300kVAr capacitor with same structure and dimensions as the old CSM300, but it utilizes the most advance Celem soldering technology which provides a wider power safety margin, and improves the longevity of the capacitor.

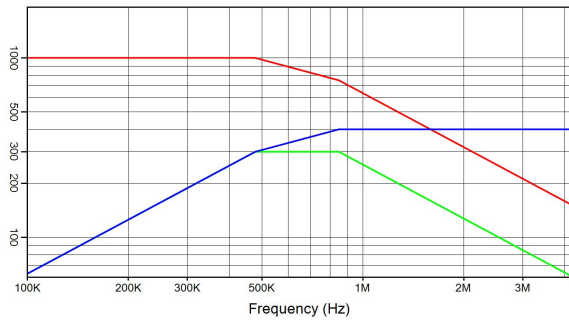
Specifications

Type		CSM 300N							
Dimensions (L x W x H)	mm	68 x 60 x 30.2							
Weight	kg	0.55							
Capacitance (±10%)	μF	0.1 _{μF}	0.2 _{μF}	0.33 _{μF}	0.66 _{μF}	1 _{μF}	1.32 _{μF}	2.6 _{μF}	5 _{μF}
Sinusoidal Voltage	V _{rms}	1000		900	800	700		600	500
Peak Voltage	V	1410		1270	1130	990		850	710
Max. Current	A _{rms}	400		500		650			800
Max. Power	kVA _r	300							
Freq Range @ Full Power	kHz	478-849	239-425	179-402	113-201	97-224	74-170	51-86	38-68
Stray Inductance	nH	< 5							

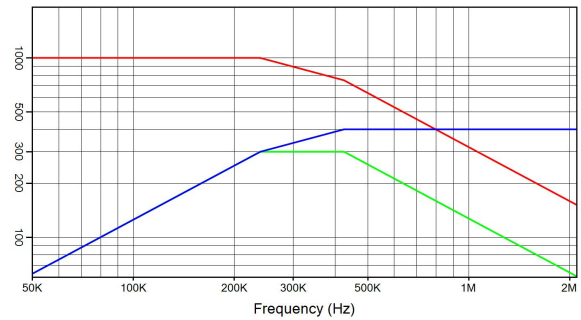
CSM 300N

Conduction-cooled capacitor

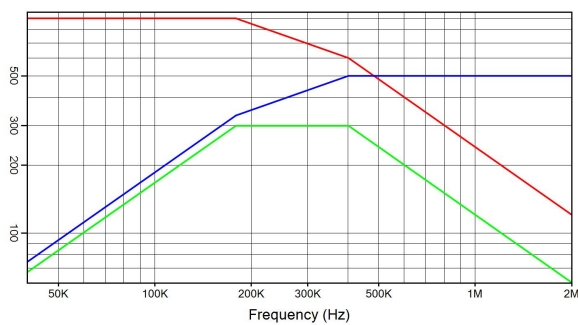
Technology Patented Worldwide



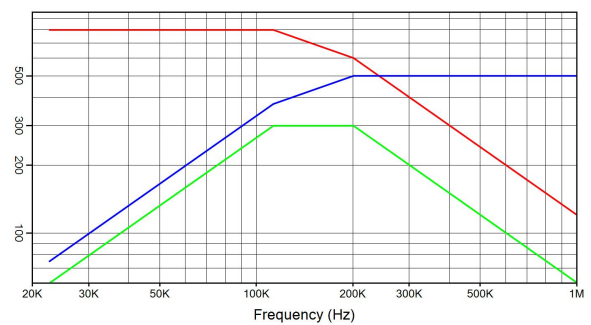
CSM 300N 0.1 μF 1000 V_{rms} 400 A_{rms} 300 kVA_r
I(A) — Q(kVA_r) — V_{rms}



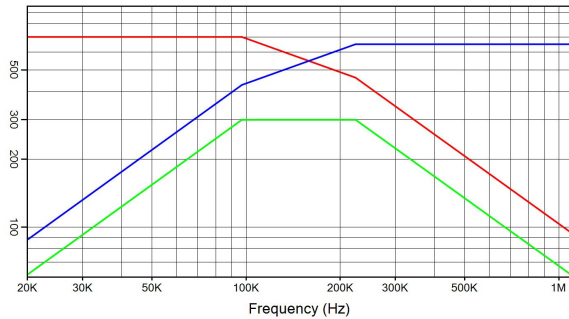
CSM 300N 0.2 μF 1000 V_{rms} 400 A_{rms} 300 kVA_r
I(A) — Q(kVA_r) — V_{rms}



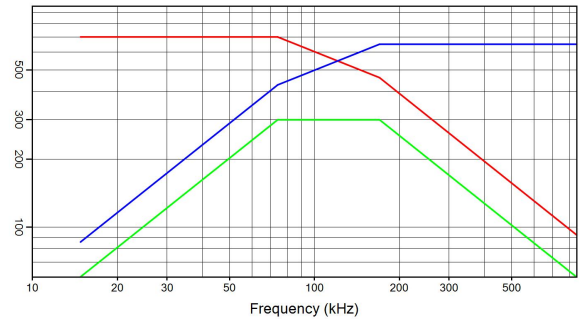
CSM 300N 0.33 μF 900 V_{rms} 500 A_{rms} 300 kVA_r
I(A) — Q(kVA_r) — V_{rms}



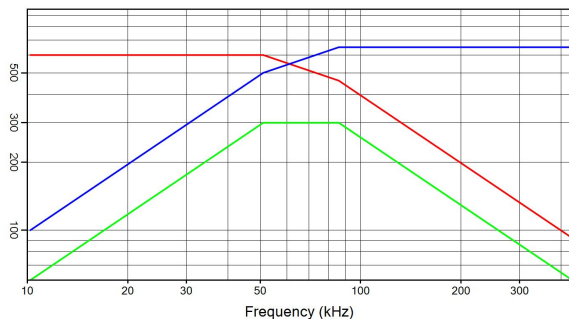
CSM 300N 0.66 μF 800 V_{rms} 500 A_{rms} 300 kVA_r
I(A) — Q(kVA_r) — V_{rms}



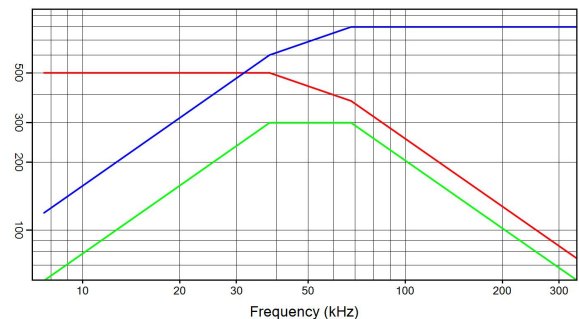
CSM 300N 1 μF 700 V_{rms} 650 A_{rms} 300 kVA_r
I(A) — Q(kVA_r) — V_{rms}



CSM 300N 1.32 μF 700 V_{rms} 650 A_{rms} 300 kVA_r
I(A) — Q(kVA_r) — V_{rms}



CSM 300N 2.6 μF 600 V_{rms} 650 A_{rms} 300 kVA_r
I(A) — Q(kVA_r) — V_{rms}



CSM 300N 5 μF 500 V_{rms} 800 A_{rms} 300 kVA_r
I(A) — Q(kVA_r) — V_{rms}

Celem Power Capacitors

Produced: 03-09-2015