



CFB-46/6

CFB-46/6, Power capacitors for detuned filters

Code: R2415A.

> kvar (400 V): 5

> kvar (440 V): 6,25

> For reactor: RZ-6,25-460

> Use voltage (V): 440

Description

The application of new technologies have allowed CIRCUTOR to reinvent the classic CS capacitor. The spirit of innovation and proprietary technology used during the design of the new CSB capacitor have increased the lifespan of traditional prismatic capacitors by over 60%. This new series has improved all aspects of the previous models, offering our customers a longer-lasting, safer and more profitable capacitor.

Application

Its application is focused on the compensation of installations under fixed and variable loads (capacitor banks) with a high content of harmonics and/or the risk of resonance. Application for static systems (CFB-6B).







CFB-46/6

Power capacitors for harmonic filtering for OPTIM FR series

Code: R2415A.

Specifications

Frequency	50 ó 60 Hz
Electrical characteristics	
Permanent overload	1,3 ln
Losses (W)	Dielectric: < 0,2 W / kvar Total: < 0,5 W / kvar
Discharge resistance	75 V / 3 min
Surge	10 $\%$ 8 h over 24 h 15 $\%$ up to 15 min over 24 hours 20 $\%$ up to 5 min over 24 hours 30 $\%$ up to 1 min over 24 hours
Tolerance C	-5 +15 %
Insulation voltage, circuit	3 / 15 kV
Mechanical characteristics	
Size (mm) width x height x depth	360 x 330 x 120 (mm)
Envelope	Treated and painted steel in RAL 3005 colour
Fastening	Vertical
Ventilation	Natural or forced according to cabinet design
Weight (kg)	3,3
Environmental characteristics	
Protection class	IP 42 with terminal cover
Relative humidity (without condensation)	80%
Working temperature	T° class C: Daily average: 40 °C, annual average: 30 °C, maximum: 50 °C, minimum -40 °C
Standards	
Certifications	VDE 560
Electrical safety, Maximum height (m)	2000
Standards	IEC 60831-1, IEC 70/7, UNE-EN 20827, UNE-EN 20010, BS 1650
Protection	
Circuit breaker type	Dielectric regeneration Internal fuse Overpressure system Vermiculite

CFB

Power capacitors for detuned filters, type P=7% (fres=189 Hz) $\,$

CODE	TYPE	kvar (400 V)	kvar (440 V)	Use voltage (V)	kvar (690 V)
CFB 460					
R2415A.	CFB-46/6	5	6,25	440	







CFB-46/6

Power capacitors for harmonic filtering for OPTIM FR series

Code: R2415A.

R2415D. CFB-46/12,5 10 12,5 440 R2415E. CFB-46/15 12,5 15 440 R2415F. CFB-46/19 15 18,5 440 R2415F. CFB-46/25 20 25 440 R2415H. CFB-46/30 25 30 440 R2415H. CFB-46/37 30 40 440 R2415L. CFB-46/50 40 50 440 R2415L. CFB-46/62 50 60 440 R2415L. CFB-46/74 60 75 440 R2415R. CFB-46/100 80 100 440 CFB-79/6 R241DD. CFB-79/12,5 690 10 R241DD. CFB-79/19 690 25 R241DH. CFB-79/37 690 30 R241DL. CFB-79/50 690 40 R241DL. CFB-79/50 690 50	CODE	TYPE	kvar (400 V)	kvar (440 V)	Use voltage (V)	kvar (690 V)
R2415E. CFB-46/15 12,5 15 440 R2415F. CFB-46/19 15 18,5 440 R2415G. CFB-46/25 20 25 440 R2415H. CFB-46/30 25 30 440 R2415H. CFB-46/37 30 40 440 R2415L. CFB-46/50 40 50 440 R2415L. CFB-46/62 50 60 440 R2415L. CFB-46/62 50 60 440 R2415P. CFB-46/100 80 100 440 CFB-79/12,5 690 10 R241DD. CFB-79/12,5 690 25 R241DR. CFB-79/30 690 25 R241DR. CFB-79/37 690 30 R241DR. CFB-79/50 690 30 R241DR. CFB-79/50 690 30 R241DR. CFB-79/50 690 50 R241DR. CFB-79/74 690 50	R2415B.	CFB-46/7,5	9,3	7,75	440	
R2415F. CFB-46/19 15 18,5 440 R2415G. CFB-46/25 20 25 440 R2415H. CFB-46/30 25 30 440 R2415J. CFB-46/37 30 40 40 440 R2415K. CFB-46/50 40 50 440 R2415L. CFB-46/62 50 60 440 R2415L. CFB-46/100 80 100 440 CFB-79/105 5 R241DA. CFB-79/6 690 5 R241DG. CFB-79/37 690 20 R241DH. CFB-79/50 690 40 R241DL. CFB-79/62 690 50 R241DL. CFB-79/62 690 50 R241DL. CFB-79/50 690 50 R241DL. CFB-79/62 690 50 R241DL. CFB-79/62 690 50 R241DL. CFB-79/60 690 50 R241DL. CFB-79/50 690 50 R241DL. CFB-79/50 690 50 R241DL. CFB-79/62 690 50	R2415D.	CFB-46/12,5	10	12,5	440	
R2415G. CFB-46/25 20 25 440 R2415H. CFB-46/30 25 30 440 R2415J. CFB-46/37 30 40 440 R2415K. CFB-46/50 40 50 440 R2415L. CFB-46/62 50 60 440 R2415P. CFB-46/74 60 75 440 R2415R. CFB-46/100 80 100 440 CFB 790 R241DA. CFB-79/6 5 690 5 R241DD. CFB-79/12,5 690 10 R241DE. CFB-79/19 690 15 R241DB. CFB-79/30 25 R241DL. CFB-79/37 690 30 R241DL. CFB-79/50 5 690 40 R241DL. CFB-79/62 690 50 R241DL. CFB-79/74 690 50	R2415E.	CFB-46/15	12,5	15	440	
R2415H. CFB-46/30 25 30 440 440 R2415J. CFB-46/37 30 40 440 440 R2415K. CFB-46/50 40 50 440 440 R2415L. CFB-46/62 50 60 440 440 R2415P. CFB-46/74 60 75 440 440 440 R2415R. CFB-46/100 80 100 440	R2415F.	CFB-46/19	15	18,5	440	
R2415J. CFB-46/37 30 40 440 R2415K. CFB-46/50 40 50 440 R2415L. CFB-46/62 50 60 440 R2415P. CFB-46/74 60 75 440 R2415R. CFB-46/100 80 100 440 CFB 790 R241DA. CFB-79/66 690 5 R241DD. CFB-79/12,5 690 10 R241DF. CFB-79/19 690 15 R241DG. CFB-79/25 690 20 R241DH. CFB-79/30 690 25 R241DL. CFB-79/50 690 30 R241DL. CFB-79/62 690 50 R241DL. CFB-79/74 690 50	R2415G.	CFB-46/25	20	25	440	
R2415K. CFB-46/50 40 50 440 R2415L. CFB-46/62 50 60 440 R2415P. CFB-46/74 60 75 440 R2415R. CFB-46/100 80 100 440 CFB 790 R241DA. CFB-79/6 690 5 R241DD. CFB-79/12,5 690 10 R241DF. CFB-79/19 690 15 R241DG. CFB-79/25 690 20 R241DH. CFB-79/30 690 25 R241DI. CFB-79/50 690 30 R241DK. CFB-79/62 690 50 R241DL. CFB-79/74 690 50	R2415H.	CFB-46/30	25	30	440	
R2415L. CFB-46/62 50 60 440 R2415P. CFB-46/74 60 75 440 R2415R. CFB-46/100 80 100 440 CFB 790 R241DA. CFB-79/6 690 5 R241DD. CFB-79/12,5 690 10 R241DF. CFB-79/19 690 15 R241DG. CFB-79/25 690 20 R241DH. CFB-79/30 5 690 25 R241DL. CFB-79/50 690 30 R241DL. CFB-79/62 690 50 R241DL. CFB-79/74 690 50	R2415J.	CFB-46/37	30	40	440	
R2415P. CFB-46/74 60 75 440 R2415R. CFB-46/100 80 100 440 CFB 790 R241DA. CFB-79/6 690 5 R241DD. CFB-79/12,5 690 10 R241DF. CFB-79/19 690 15 R241DG. CFB-79/25 690 20 R241DH. CFB-79/30 690 25 R241DI. CFB-79/37 690 30 R241DK. CFB-79/62 690 40 R241DL. CFB-79/74 690 50 R241DP. CFB-79/74 690 60	R2415K.	CFB-46/50	40	50	440	
R2415R. CFB-46/100 80 100 440 CFB 790 R241DA. CFB-79/6 690 5 R241DD. CFB-79/12,5 690 10 R241DF. CFB-79/19 690 15 R241DG. CFB-79/25 690 20 R241DH. CFB-79/30 690 25 R241DI. CFB-79/37 690 30 R241DK. CFB-79/50 690 40 R241DL. CFB-79/62 690 50 R241DP. CFB-79/74 690 60	R2415L.	CFB-46/62	50	60	440	
CFB 790 R241DA. CFB-79/6 690 5 R241DD. CFB-79/12,5 690 10 R241DF. CFB-79/19 690 15 R241DG. CFB-79/25 690 20 R241DH. CFB-79/30 690 25 R241DI. CFB-79/37 690 30 R241DK. CFB-79/50 690 40 R241DL. CFB-79/62 690 50 R241DP. CFB-79/74 690 60	R2415P.	CFB-46/74	60	75	440	
R241DA. CFB-79/6 690 5 R241DD. CFB-79/12,5 690 10 R241DF. CFB-79/19 690 15 R241DG. CFB-79/25 690 20 R241DH. CFB-79/30 690 25 R241DI. CFB-79/37 690 30 R241DK. CFB-79/50 690 40 R241DL. CFB-79/62 690 50 R241DP. CFB-79/74 690 60	R2415R.	CFB-46/100	80	100	440	
R241DD. CFB-79/12,5 690 10 R241DF. CFB-79/19 690 15 R241DG. CFB-79/25 690 20 R241DH. CFB-79/30 690 25 R241DI. CFB-79/37 690 30 R241DK. CFB-79/50 690 40 R241DL. CFB-79/62 690 50 R241DP. CFB-79/74 690 60	CFB 790					
R241DF. CFB-79/19 690 15 R241DG. CFB-79/25 690 20 R241DH. CFB-79/30 690 25 R241DI. CFB-79/37 690 30 R241DK. CFB-79/50 690 40 R241DL. CFB-79/62 690 50 R241DP. CFB-79/74 690 60	R241DA.	CFB-79/6			690	5
R241DG. CFB-79/25 690 20 R241DH. CFB-79/30 690 25 R241DI. CFB-79/37 690 30 R241DK. CFB-79/50 690 40 R241DL. CFB-79/62 690 50 R241DP. CFB-79/74 690 60	R241DD.	CFB-79/12,5			690	10
R241DH. CFB-79/30 690 25 R241DI. CFB-79/37 690 30 R241DK. CFB-79/50 690 40 R241DL. CFB-79/62 690 50 R241DP. CFB-79/74 690 60	R241DF.	CFB-79/19			690	15
R241DI. CFB-79/37 690 30 R241DK. CFB-79/50 690 40 R241DL. CFB-79/62 690 50 R241DP. CFB-79/74 690 60	R241DG.	CFB-79/25			690	20
R241DK. CFB-79/50 690 40 R241DL. CFB-79/62 690 50 R241DP. CFB-79/74 690 60	R241DH.	CFB-79/30			690	25
R241DL. CFB-79/62 690 50 R241DP. CFB-79/74 690 60	R241DI.	CFB-79/37			690	30
R241DP. CFB-79/74 690 60	R241DK.	CFB-79/50			690	40
	R241DL.	CFB-79/62			690	50
R241DR. CFB-79/100 690 80	R241DP.	CFB-79/74			690	60
	R241DR.	CFB-79/100			690	80

NOTE: The capacitor has been sized for 460/790 V and a power that is 20% higher than that indicated in all columns to compensate for the overvoltage effect of the reactor.

