



#### Technical specifications

- Standard: IEC60831
- Approval: CE
- Rated Voltage (VAC): 230, 250, 280, 400, 415, 450, 525, 690
- Frequency (Hz): 50/60
- Rated output (Kvar): 1–80
- Capacitance tolerance:  $\pm 5$ – $\pm 10\%$
- Material:
  - Body: dielectric-metalized polypropylene film;
  - Impregnant: semi-solid
- Over-voltage permitted: 1.0Un, 1.1Un  $\leq 8$ h/day, 1.3Un 1 min
- Over-current permitted (In): 1.3
- Loss angle tangent: BSMJ:  $\text{tg } \delta \leq 0.1\%$ ; BGMJ:  $\text{tg } \delta \leq 0.0015$
- Impact current (In):  $\leq 300$
- Dielectric Loss (W/kvar):  $\leq 0.25$
- Ambient temperature (°C):  $-25/+50$  Humidity  $\leq 90\%$
- Altitude (m):  $\leq 2000$





Selection and ordering data

BSMJ (oblate)

Rated voltage (V)	Rated currentt (A)	Rated output (kvar)	Total capacitance (μF)	Overall dimension l x W x H (mm)	Type code	
					Type code	Order code
250	12.0	3	153	160x56x140	BSMJ0.25-3-1	31834
250	20.0	5	245	160x56x220	BSMJ0.25-5-1	31835
250	30.0	7.5	382	160x56x220	BSMJ0.25-7.5-1	31836
250	40.0	10	509	160x70x220	BSMJ0.25-10-1	31837
250	60.0	15	764	160x70x250	BSMJ0.25-15-1	31838
400	2.9	2	39	160x56x115	BSMJ0.4-2-3	31839
400	5.8	4	79	160x56x115	BSMJ0.4-4-3	31840
400	8.7	6	118	160x56x115	BSMJ0.4-6-3	31841
400	11.5	8	158	160x56x135	BSMJ0.4-8-3	31842
400	14.4	10	198	160x56x190	BSMJ0.4-10-3	31843
400	17.3	12	238	160x56x190	BSMJ0.4-12-3	31844
400	20.2	14	278	160x56x190	BSMJ0.4-14-3	31845
400	21.7	15	298	160x56x210	BSMJ0.4-15-3	31846
400	23.1	16	318	160x56x210	BSMJ0.4-16-3	31847
400	26.0	18	358	180x56x250	BSMJ0.4-18-3	31848
400	28.9	20	398	180x56x250	BSMJ0.4-20-3	31849
400	36.1	25	498	180x70x220	BSMJ0.4-25-3	31850
400	43.3	30	597	180x70x260	BSMJ0.4-30-3	31851
400	57.7	40	796	180x70x320	BSMJ0.4-40-3	31852
400	72.2	50	995	180x70x380	BSMJ0.4-50-3	31853
415	13.7	10	180.5	160x56x190	BSMJ0.415-10-3	31854
415	16.5	12	216.5	160x56x190	BSMJ0.415-12-3	31855
415	19.3	14	252.6	160x56x210	BSMJ0.415-14-3	31856
415	20.6	15	270.7	160x56x210	BSMJ0.415-15-3	31857
415	22.0	16	288.7	160x56x210	BSMJ0.415-16-3	31858
415	24.7	18	324.8	180x56x250	BSMJ0.415-18-3	31859
415	27.5	20	360.9	180x56x250	BSMJ0.415-20-3	31860
415	34.4	25	451.1	180x70x220	BSMJ0.415-25-3	31861
415	41.2	30	541.3	180x70x260	BSMJ0.415-30-3	31862
415	55.0	40	721.8	180x70x320	BSMJ0.415-40-3	31863
415	68.7	50	902.2	180x70x380	BSMJ0.415-50-3	31864
450	12.8	10	157.3	160x56x190	BSMJ0.45-10-3	31865
450	15.4	12	188.7	160x56x190	BSMJ0.45-12-3	31866
450	18.0	14	220.2	160x56x210	BSMJ0.45-14-3	31867
450	19.2	15	236.0	160x56x210	BSMJ0.45-15-3	31868
450	20.5	16	251.6	160x56x210	BSMJ0.45-16-3	31869
450	25.7	20	314.5	180x56x250	BSMJ0.45-20-3	31871
450	38.5	30	471.6	180x70x260	BSMJ0.45-30-3	31873
450	51.3	40	628.8	180x70x320	BSMJ0.45-40-3	31874
450	64.2	50	786.0	180x70x380	BSMJ0.45-50-3	31875
525	11.0	10	115.5	160x56x190	BSMJ0.525-10-3	31876
525	13.2	12	138.7	160x56x190	BSMJ0.525-12-3	31877
525	15.4	14	161.8	160x56x210	BSMJ0.525-14-3	31878
525	16.5	15	173.3	160x56x210	BSMJ0.525-15-3	31879
525	17.6	16	184.9	160x56x210	BSMJ0.525-16-3	31880
525	22.0	20	231.1	180x56x250	BSMJ0.525-20-3	31882
525	33.0	30	346.5	180x70x260	BSMJ0.525-30-3	31884
525	44.0	40	426.0	180x70x320	BSMJ0.525-40-3	31885
525	55.0	50	577.4	180x70x380	BSMJ0.525-50-3	31886
690	8.4	10	66.9	160x56x190	BSMJ0.69-10-3	31887
690	10.0	12	80.3	160x56x190	BSMJ0.69-12-3	31888
690	11.7	14	93.6	160x56x210	BSMJ0.69-14-3	31889
690	12.6	15	100.3	160x56x210	BSMJ0.69-15-3	31890
690	13.4	16	107.0	160x56x210	BSMJ0.69-16-3	31891
690	16.7	20	133.8	160x56x250	BSMJ0.69-20-3	31893
690	25.1	30	200.6	180x70x260	BSMJ0.69-30-3	31895
690	33.5	40	267.4	180x70x320	BSMJ0.69-40-3	31896
690	41.8	50	334.3	180x70x320	BSMJ0.69-50-3	31897



BGMJ (cylindrical)

Rated voltage (V)	Rated currentt (A)	Rated output (kvar)	Total capacitance (μF)	Overall dimension l x W x H (mm)	Type code	
					Type code	Order code
230	7.5	3.0	180.5	φ 65x180	BGMJ230- 3.0	32061
230	10.0	4.0	240.7	φ 76x180	BGMJ230- 4.0	31898
230	12.5	5.0	300.9	φ 76x180	BGMJ230- 5.0	31899
230	15.1	6.0	361.0	φ 76x240	BGMJ230- 6.0	31900
230	18.8	7.5	451.3	φ 76x240	BGMJ230- 7.5	31901
230	25.1	10.0	601.7	φ 86x240	BGMJ230- 10.0	31902
230	30.1	12.0	722.1	φ 96x240	BGMJ230- 12.0	31903
230	35.1	14.0	842.4	φ 106x240	BGMJ230- 14.0	31904
230	37.6	15.0	902.6	φ 106x240	BGMJ230- 15.0	32062
230	40.1	16.0	962.8	φ 106x240	BGMJ230- 16.0	31905
230	45.2	18.0	1083.1	φ 116x240	BGMJ230- 18.0	31906
230	50.2	20.0	1203.4	φ 116x240	BGMJ230- 20.0	31907
230	62.7	25.0	1504.3	φ 116x280	BGMJ230- 25.0	31908
280	6.2	3.0	121.8	φ 65x180	BGMJ280- 3.0	31909
280	8.2	4.0	162.4	φ 65x180	BGMJ280- 4.0	31910
280	10.3	5.0	203.0	φ 65x180	BGMJ280- 5.0	31911
280	12.4	6.0	243.6	φ 76x240	BGMJ280- 6.0	31912
280	15.5	7.5	304.5	φ 76x240	BGMJ280- 7.5	31913
280	20.6	10.0	406.0	φ 76x240	BGMJ280- 10.0	31914
280	24.7	12.0	487.2	φ 86x240	BGMJ280- 12.0	31915
280	28.9	14.0	568.4	φ 86x240	BGMJ280- 14.0	31916
280	30.9	15.0	609.0	φ 86x240	BGMJ280- 15.0	32063
280	33.0	16.0	649.6	φ 96x240	BGMJ280- 16.0	31917
280	37.1	18.0	730.8	φ 96x240	BGMJ280- 18.0	31918
280	41.2	20.0	812.0	φ 106x240	BGMJ280- 20.0	31919
280	51.5	25.0	1015.0	φ 96x280	BGMJ280- 25.0	31920
400	4.3	3.0	59.7	φ 65x140	BGMJ400- 3.0	31921
400	5.8	4.0	79.6	φ 65x180	BGMJ400- 4.0	31922
400	7.2	5.0	99.5	φ 65x180	BGMJ400- 5.0	31923
400	8.7	6.0	119.4	φ 65x180	BGMJ400- 6.0	31924
400	10.8	7.5	149.2	φ 65x180	BGMJ400- 7.5	31925
400	14.4	10.0	198.9	φ 65x240	BGMJ400- 10.0	31926
400	17.3	12.0	238.7	φ 76x240	BGMJ400- 12.0	31927
400	20.2	14.0	278.5	φ 76x240	BGMJ400- 14.0	31928
400	21.6	15.0	298.4	φ 76x240	BGMJ400- 15.0	32064
400	23.1	16.0	318.3	φ 76x240	BGMJ400- 16.0	31929
400	26.0	18.0	358.1	φ 86x240	BGMJ400- 18.0	31930
400	28.9	20.0	397.9	φ 86x240	BGMJ400- 20.0	31931
400	36.1	25.0	497.4	φ 96x240	BGMJ400- 25.0	31932
400	43.3	30.0	596.8	φ 106x240	BGMJ400- 30.0	31933
415	4.2	3.0	55.4	φ 65x140	BGMJ415- 3.0	31934
415	5.6	4.0	73.9	φ 65x180	BGMJ415- 4.0	31935
415	7.0	5.0	92.4	φ 65x180	BGMJ415- 5.0	31936
415	8.3	6.0	110.9	φ 65x180	BGMJ415- 6.0	31937
415	10.4	7.5	138.6	φ 65x180	BGMJ415- 7.5	31938
415	13.9	10.0	184.8	φ 76x180	BGMJ415- 10.0	31939
415	16.7	12.0	221.8	φ 65x240	BGMJ415- 12.0	31940
415	19.5	14.0	258.8	φ 76x240	BGMJ415- 14.0	31941
415	20.9	15.0	277.2	φ 76x240	BGMJ415- 15.0	32065
415	22.2	16.0	295.7	φ 76x240	BGMJ415- 16.0	31942
415	25.0	18.0	332.7	φ 86x240	BGMJ415- 18.0	31943
415	27.8	20.0	369.6	φ 86x240	BGMJ415- 20.0	31944
415	34.8	25.0	462.1	φ 96x240	BGMJ415- 25.0	31945
415	41.7	30.0	554.5	φ 96x240	BGMJ415- 30.0	31946
450	3.8	3.0	47.2	φ 65x140	BGMJ450- 3.0	31947
450	5.1	4.0	62.9	φ 65x180	BGMJ450- 4.0	31948
450	6.4	5.0	78.9	φ 65x180	BGMJ450- 5.0	31949
450	7.7	6.0	94.3	φ 65x180	BGMJ450- 6.0	31950
450	9.6	7.5	117.9	φ 76x240	BGMJ450- 7.5	31951
450	12.8	10.0	157.2	φ 76x240	BGMJ450- 10.0	31952
450	15.4	12.0	188.6	φ 76x240	BGMJ450- 12.0	31953
450	18.0	14.0	220.1	φ 76x240	BGMJ450- 14.0	31954
450	19.2	15.0	235.8	φ 76x240	BGMJ450- 15.0	32066
450	20.5	16.0	251.5	φ 86x240	BGMJ450- 16.0	31955
450	23.1	18.0	282.9	φ 86x240	BGMJ450- 18.0	31956
450	25.6	20.0	314.4	φ 86x240	BGMJ450- 20.0	31957
450	32.1	25.0	393.0	φ 96x240	BGMJ450- 25.0	31958



# Power Capacitors

## Series BSMJ, BGMJ



Rated voltage (V)	Rated current (A)	Rated output (kvar)	Total capacitance ( $\mu\text{F}$ )	Overall dimension h $\times$ W $\times$ H (mm)	Type code	Order code
450	38.5	30.0	471.6	$\phi$ 106x240	BGM450-30.0	31965
525	3.3	3.0	34.6	$\phi$ 65x140	BGM525-3.0	31966
525	4.4	4.0	46.2	$\phi$ 65x180	BGM525-4.0	31967
525	5.5	5.0	57.7	$\phi$ 65x180	BGM525-5.0	32067
525	6.6	6.0	69.3	$\phi$ 65x180	BGM525-6.0	31968
525	8.2	7.5	86.6	$\phi$ 76x180	BGM525-7.5	31969
525	11.0	10.0	115.5	$\phi$ 76x240	BGM525-10.0	31970
525	13.2	12.0	138.6	$\phi$ 76x240	BGM525-12.0	31971
525	15.4	14.0	161.7	$\phi$ 76x240	BGM525-14.0	31972
525	16.5	15.0	173.2	$\phi$ 76x240	BGM525-15.0	31973
525	17.6	16.0	184.8	$\phi$ 86x240	BGM525-16.0	31974
525	19.8	18.0	207.9	$\phi$ 86x240	BGM525-18.0	31975
525	22.0	20.0	231.0	$\phi$ 86x240	BGM525-20.0	31976
525	27.5	25.0	288.7	$\phi$ 96x240	BGM525-25.0	31977
525	33.0	30.0	346.5	$\phi$ 106x240	BGM525-30.0	31978
690	2.5	3.0	20.1	$\phi$ 65x180	BGM690-3.0	31979
690	3.3	4.0	26.7	$\phi$ 65x180	BGM690-4.0	31980
690	4.2	5.0	33.4	$\phi$ 76x180	BGM690-5.0	32068
690	5.0	6.0	40.1	$\phi$ 76x180	BGM690-6.0	31981
690	6.3	7.5	50.1	$\phi$ 76x240	BGM690-7.5	31982
690	8.4	10.0	66.9	$\phi$ 76x240	BGM690-10.0	31983
690	10.0	12.0	80.2	$\phi$ 86x240	BGM690-12.0	31984
690	11.7	14.0	93.6	$\phi$ 86x240	BGM690-14.0	31985
690	12.5	15.0	100.3	$\phi$ 86x240	BGM690-15.0	31959
690	13.4	16.0	107.0	$\phi$ 96x240	BGM690-16.0	31960
690	15.1	18.0	120.3	$\phi$ 96x240	BGM690-18.0	31961
690	16.7	20.0	133.7	$\phi$ 106x240	BGM690-20.0	31962
690	20.9	25.0	167.1	$\phi$ 116x240	BGM690-25.0	31963

### Outline and installation dimensions

