

电热电容器

Capacitor for electric heating installations

SINO-U.S JOINT-VENTURE ZHEJIANG
JIUKANG ELECTRIC CO.,LTD

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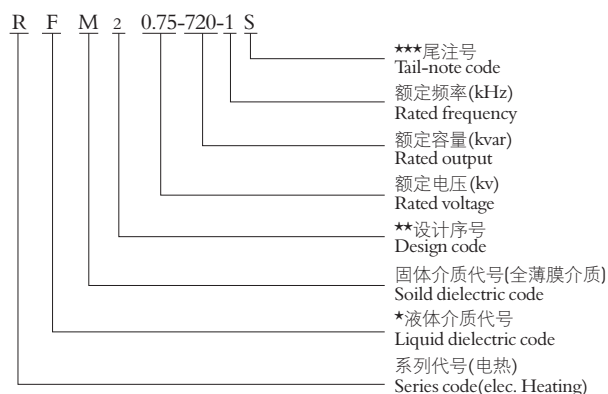


概述 General Description

电热电容器主要应用于感应加热系统中作提高功率因数或改善回路特性。RWM及RFM型水冷式、全薄膜电热电容器性能符合JB7110-93《电热电容器》及IEC60110(1998)《频率40-24000Hz感应加热装置用电容器》。

The capacitor for electric heating installations is mainly used in inductive heating system to increase power factor or improve circuit characteristic. The performance of RWM and RFM model of water-cooled style and full film capacitor conforms to JB7110-93 《Capacitor for electric heating installations》 and IEC 60110(1998) 《capacitors for inductive heat generating plants operating at frequencies between 40Hz and 24000Hz》.

型号说明 Model Meanings



*液体介质代号
Liquid dielectric code

W-浸渍剂为烷基苯1mpregnant is AB
F-浸渍剂为二芳基乙烷1mpregnant is PXE

**设计序号
Design code

1-电容器外壳为钢板或黄铜板(数字1省略)
The container is steel or brass (1 omit)
2、3-电容器外壳为铝板、出线套管用硅橡胶密封
The container is AL., Bushings sealing in silastic

***尾注号
Tail-note code

S-水冷式 Water-cooled type
B-分级可调式输出 Regulated output in steps

使用条件 Service Condition

- 1、户内安装、海拔高度不超过1000m。
 - 2、安装场所无剧烈的机械振动、无有害气体及蒸汽以及爆炸性尘埃。
 - 3、冷却水进水温度不超过30℃。对于1000kvar以下的电容器水流量不低于4L/min, 1000kvar及以上的不低于6L/min。
 - 4、长期过电压(24小时中不超过4小时)不超过1.1Un, 长期过电流(包括谐波电流)不超过1.35In。
1. Indoor use: Altitude: less 1000m
 2. No violent mechanical vibration, no harmful gas and vapor, no explosive dust in location.
 3. Temperature of cooled flowing-in less 30℃; Flowing water volume of capacitor less 1000kvar not less than 4L per min, 1000kvar or more not less than 6L per min.
 4. Long-term over-voltage (less 4 hours within 24) less 1.1Un; Long-term over-current(including harmonic current) less 1.35In.

烷基苯浸渍的电容器
Capacitor impregnated with AB

序号 No	型号 Model	额定值 Rated value				
		电压UN (KV)	容量QN (kvar)	频率Hz (kHz)	电容CN (μF)	电流IN (A)
1	RWM0.75-180-0.5S	0.75	180	0.5	4 25.5	240
2	RWM0.5-180-1S	0.5	180	1.0	4 28.6	360
3	RWM0.5-180-1SB	0.5	180	1.0	114.6(5)	360
4	RWM0.75-180-1S	0.75	180	1.0	4 12.7	240
5	RWM0.75-180-1SB	0.75	180	1.0	50.9(5)	240
6	RWM0.75-360-1S	0.75	360	1.0	4 25.5	480
7	RWM0.75-360-1SB	0.75	360	1.0	101.9(5)	480
8	RWM1.0-180-1S	1.0	180	1.0	4 7.16	180
9	RWM1.0-180-1SB	1.0	180	1.0	28.6(5)	180
10	RWM1.0-360-1S	1.0	360	1.0	4 14.3	360
11	RWM1.0-360-1SB	1.0	360	1.0	57.3(5)	360
12	RWM0.75-320-2S	0.75	320	2.0	4 11.3	427
13	RWM0.75-500-2S	0.75	500	2.0	1 17.7	667
14	RWM0.375-250-2.5S	0.375	250	2.5	4 28.3	667
15	RWM0.375-250-2.5SB	0.375	250	2.5	113.2(5)	667
16	RWM0.5-250-2.5S	0.5	250	2.5	4 15.9	500
17	RWM0.5-250-2.5SB	0.5	250	2.5	63.7(5)	500
18	RWM0.5-500-2.5S	0.5	500	2.5	4 31.8	1000
19	RWM0.75-250-2.5S	0.75	250	2.5	4 7.07	333
20	RWM0.75-250-2.5SB	0.75	250	2.5	28.3(5)	333
21	RWM0.75-500-2.5S	0.75	500	2.5	4 14.1	667
22	RWM0.75-160-3S	0.75	160	3.0	4 3.77	213
23	RWM0.75-320-3S	0.75	320	3.0	4 7.55	427
24	RWM0.75-500-3S	0.75	500	3.0	4 11.8	667
25	RWM0.75-560-3S	0.75	560	3.0	4 13.2	747
26	RWM0.375-260-4S	0.375	260	4.0	4 18.4	693
27	RWM0.375-260-4SB	0.375	260	4.0	73.6(5)	693
28	RWM0.5-260-4S	0.5	260	4.0	4 10.3	520
29	RWM0.5-260-4SB	0.5	260	4.0	41.4(5)	520
30	RWM0.5-560-4S	0.5	560	4.0	4 22.3	1120
31	RWM0.75-260-4S	0.75	260	4.0	4 4.60	347
32	RWM0.75-260-4SB	0.75	260	4.0	18.4(5)	347
33	RWM0.75-560-4S	0.75	560	4.0	4 9.90	747
34	RWM0.375-160-8S	0.375	160	8.0	4 5.66	427
35	RWM0.375-160-8SB	0.375	160	8.0	22.6(5)	427
36	RWM0.375-320-8S	0.375	320	8.0	4 11.3	853
37	RWM0.375-320-8SB	0.375	320	8.0	45.3(5)	853
38	RWM0.375-640-8S	0.375	640	8.0	4 22.6	1707
39	RWM0.5-160-8S	0.5	160	8.0	4 3.18	320
40	RWM0.5-320-8S	0.5	320	8.0	4 6.37	640
41	RWM0.5-320-8SB	0.5	320	8.0	25.5(5)	640
42	RWM0.5-640-8S	0.5	640	8.0	4 12.7	1280

注: 1、尾注号带“B”的电容器实际电容按4:8:1:9:2比例配置。
2、额定容量500kvar及以上或额定频率4kHz及以上的电容器为铜外壳, 其余为钢外壳。
Note: 1. The actual capacitance of capacitor with tail-note B is distributed at the rated of 4:8:9:2.
2. The container of capacitor with above and including 500kvar rated output or above and including 4kHz rated frequency is brass, the other is steel.

二芳基乙烷浸渍的铜外壳电容器
Brass case capacitor impregnated with PXE

序号 No	型号 Model	额定值 Rated value				
		电压UN (KV)	容量QN (kvar)	频率Hz (kHz)	电容CN (μF)	电流IN (A)
1	RFM0.75-500-1S	0.75	500	1.0	4 35.4	667
2	WFM0.75-750-1S	0.75	750	1.0	4 53.1	1000
3	WFM0.75-1000-1S	0.75	1000	1.0	4 70.7	1333
4	RFM1.0-1000-1S	1.0	1000	1.0	4 39.8	1000
5	RFM1.5-850-1S	1.5	850	1.0	4 15.0	567
6	RFM1.0-1600-1.1S	1.0	1600	1.1	4 57.9	1600
7	RFM0.75-1000-2S	0.75	1000	2.0	4 35.4	1333
8	RFM0.65-800-2.5S	0.65	800	2.5	4 30.1	1231
9	RFM0.75-1000-2.5S	0.75	1000	2.5	4 28.3	1333
10	RFM0.75-1000-3S	0.75	1000	3.0	4 23.6	1333
11	RFM1.0-1600-3S	1.0	1600	3.0	4 21.2	1600
12	RFM0.75-1200-4S	0.75	1200	4.0	4 21.2	1600
13	RFM0.75-1000-8S	0.75	1000	8.0	4 8.84	1333
14	RFM0.75-800-10S	0.75	800	10.0	4 5.66	1067
15	RFM0.5-200-20S	0.5	200	20.0	4 1.59	400
16	RFM0.5-200-25S	0.5	200	25.0	4 1.27	400
17	RFM0.75-200-25S	0.75	200	25.0	4 0.566	267
18	RFM0.5-200-30S	0.5	200	30.0	4 1.06	400
19	RFM0.75-200-30S	0.75	200	30.0	4 0.472	267
20	RFM0.5-200-40S	0.5	200	40.0	4 0.796	400
21	RFM0.75-200-40S	0.75	200	40.0	4 0.354	267
22	RFM0.5-180-50S	0.5	180	50.0	4 0.573	360
23	RFM0.75-180-50S	0.75	180	50.0	4 0.255	240

二芳基乙烷浸渍的铝外壳电容器
Al. Case capacitor impregnated with PXE

序号 No	型号 Model	额定值 Rated value				
		电压UN (KV)	容量QN (kvar)	频率Hz (kHz)	电容CN (μF)	电流IN (A)
1	RFM ₀ 0.75-360-0.5S	0.75	360	0.5	4 50.9	480
2	RFM ₁ 0.75-540-0.5S	0.75	540	0.5	6 50.9	720
3	RFM ₁ 0.75-750-0.5S	0.75	750	0.5	6 70.7	1000
4	RFM ₁ 1.0-750-0.5S	1.0	750	0.5	6 39.8	750
5	RFM ₁ 1.1-750-0.5S	1.1	750	0.5	6 32.9	682
6	RFM ₁ 1.2-750-0.5S	1.2	750	0.5	6 27.6	625
7	RFM ₂ 0.375-180-1S	0.375	180	1.0	4 50.9	480
8	RFM ₃ 0.375-250-1S	0.375	250	1.0	4 70.7	667
9	RFM ₃ 0.375-360-1S	0.375	360	1.0	6 67.9	960
10	RFM ₃ 0.5-180-1S	0.5	180	1.0	4 28.6	360
11	RFM ₃ 0.5-360-1S	0.5	360	1.0	4 57.3	720
12	RFM ₃ 0.5-500-1S	0.5	500	1.0	6 53.1	1000
13	RFM ₃ 0.5-640-1S	0.5	640	1.0	6 67.9	1280
14	RFM ₃ 0.75-360-1S	0.75	360	1.0	4 25.5	480
15	RFM ₃ 0.75-500-1S	0.75	500	1.0	4 35.4	667
16	RFM ₃ 0.75-640-1S	0.75	640	1.0	4 45.3	853
17	RFM ₃ 0.75-750-1S	0.75	750	1.0	4 53.1	1000

二芳基乙烷浸渍的铝外壳电容器
Al. Case capacitor impregnated with PXE

序号 No	型号 Model	额定值 Rated value					
		电压 UN (KV)	容量 QN (kvar)	频率 Hz (kHz)	电容 CN (μ F)	电流 IN (A)	
18	RFM ₃ 0.75-750-1S	0.75	750	1.0	4	53.1	1000
19	RFM ₃ 0.75-1000-1S	0.75	1000	1.0	6	47.2	1333
20	RFM ₃ 0.75-1250-1S	0.75	1250	1.0	6	58.9	1667
21	RFM ₃ 0.75-1500-1S	0.75	1500	1.0	6	70.7	2000
22	RFM ₂ 1.0-360-1S	1.0	360	1.0	4	14.3	360
23	RFM ₂ 1.0-500-1S	1.0	500	1.0	4	19.9	500
24	RFM ₂ 1.0-640-1S	1.0	640	1.0	4	25.5	640
25	RFM ₂ 1.0-750-1S	1.0	750	1.0	4	29.8	750
26	RFM ₃ 1.0-750-1S	1.0	750	1.0	4	29.8	750
27	RFM ₃ 1.0-1000-1S	1.0	1000	1.0	4	39.8	1000
28	RFM ₃ 1.0-1250-1S	1.0	1250	1.0	6	33.2	1250
29	RFM ₃ 1.0-1500-1S	1.0	1500	1.0	6	39.8	1500
30	RFM ₂ 1.2-360-1S	1.2	360	1.0	4	9.95	300
31	RFM ₂ 1.2-500-1S	1.2	500	1.0	4	13.8	417
32	RFM ₂ 1.2-640-1S	1.2	640	1.0	4	17.7	533
33	RFM ₂ 1.2-750-1S	1.2	750	1.0	4	20.7	625
34	RFM ₃ 1.2-750-1S	1.2	750	1.0	4	20.7	625
35	RFM ₃ 1.2-1000-1S	1.2	1000	1.0	4	27.6	833
36	RFM ₃ 1.2-1250-1S	1.2	1250	1.0	6	23.0	1042
37	RFM ₃ 1.2-1500-1S	1.2	1500	1.0	6	27.6	1250
38	RFM ₂ 0.75-750-2S	0.75	750	2.0	4	26.5	
39	RFM ₂ 0.75-1000-2S	0.75	1000	2.0	6	23.6	
40	RFM ₂ 1.0-750-2S	1.0	750	2.0	4	14.9	750
41	RFM ₃ 1.0-1000-2S	1.0	1000	2.0	6	13.3	1000
42	RFM ₃ 1.2-750-2S	1.2	750	2.0	4	10.4	
43	RFM ₃ 1.2-1000-2S	1.2	1000	2.0	6	9.21	
44	RFM ₂ 0.375-250-2.5S	0.375	250	2.5	4	28.3	667
45	RFM ₂ 0.375-360-2.5S	0.375	360	2.5	4	40.7	960
46	RFM ₂ 0.375-500-2.5S	0.375	500	2.5	6	37.7	1333
47	RFM ₂ 0.375-750-2.5S	0.375	750	2.5	6	56.6	2000
48	RFM ₂ 0.5-360-2.5S	0.5	360	2.5	4	22.9	
49	RFM ₂ 0.5-500-2.5S	0.5	500	2.5	4	31.8	
50	RFM ₃ 0.5-750-2.5S	0.5	750	2.5	6	31.8	
51	RFM ₃ 0.5-1000-2.5S	0.5	1000	2.5	6	42.4	
52	RFM ₂ 0.75-360-2.5S	0.75	360	2.5	4	10.2	480
53	RFM ₂ 0.75-500-2.5S	0.75	500	2.5	4	14.2	667
54	RFM ₂ 0.75-750-2.5S	0.75	750	2.5	4	21.2	1000
55	RFM ₂ 0.75-1000-2.5S	0.75	1000	2.5	6	18.9	1333
56	RFM ₂ 0.75-1250-2.5S	0.75	1250	2.5	6	23.6	1667
57	RFM ₂ 0.75-1500-2.5S	0.75	1500	2.5	6	28.3	2000

序号 No	型号 Model	额定值 Rated value					
		电压 UN (KV)	容量 QN (kvar)	频率 Hz (kHz)	电容 CN (μ F)	电流 IN (A)	
58	RFM ₂ 0.375-250-4S	0.375	250	4.0	4	17.7	667
59	RFM ₂ 0.375-360-4S	0.375	360	4.0	4	25.5	960
60	RFM ₃ 0.375-500-4S	0.375	500	4.0	6	23.6	1333
61	RFM ₃ 0.375-640-4S	0.375	640	4.0	6	30.2	1707
62	RFM ₃ 0.375-750-4S	0.375	750	4.0	6	35.4	2000
63	RFM ₂ 0.5-250-4S	0.5	250	4.0	4	9.95	500
64	RFM ₂ 0.5-360-4S	0.5	360	4.0	4	14.3	720
65	RFM ₂ 0.5-500-4S	0.5	500	4.0	4	19.9	1000
66	RFM ₃ 0.5-640-4S	0.5	640	4.0	6	17.0	1280
67	RFM ₃ 0.5-750-4S	0.5	750	4.0	6	19.9	1500
68	RFM ₃ 0.5-1000-4S	0.5	1000	4.0	6	26.5	2000
69	RFM ₂ 0.75-250-4S	0.75	250	4.0	4	4.42	333
70	RFM ₂ 0.75-360-4S	0.75	360	4.0	4	6.37	480
71	RFM ₂ 0.75-500-4S	0.75	500	4.0	4	8.84	667
72	RFM ₂ 0.75-640-4S	0.75	640	4.0	4	11.3	853
73	RFM ₃ 0.75-750-4S	0.75	720	4.0	4	13.3	1000
74	RFM ₃ 0.75-1000-4S	0.75	1000	4.0	6	11.8	1333
75	RFM ₃ 0.75-1250-4S	0.75	1250	4.0	6	14.7	1667
76	RFM ₃ 0.75-1500-4S	0.75	1500	4.0	6	17.7	2000
77	RFM ₂ 0.375-320-8S	0.375	320	8.0	4	11.6	853
78	RFM ₃ 0.375-640-8S	0.375	640	8.0	6	15.1	1707
79	RFM ₂ 0.5-320-8S	0.5	320	8.0	4	6.37	640
80	RFM ₃ 0.5-640-8S	0.5	640	8.0	6	8.49	1280
81	RFM ₃ 0.5-1000-8S	0.5	1000	8.0	6	13.3	2000
82	RFM ₂ 0.75-320-8S	0.75	320	8.0	4	2.83	427
83	RFM ₂ 0.75-640-8S	0.75	640	8.0	4	5.66	853
84	RFM ₂ 0.75-1000-8S	0.75	1000	8.0	6	5.89	1333
85	RFM ₂ 0.5-400-10S	0.5	400	10.0	4	6.37	800
86	RFM ₂ 0.5-500-10S	0.5	500	10.0	4	7.96	1000
87	RFM ₂ 0.75-360-10S	0.75	360	10.0	4	2.55	480
88	RFM ₂ 0.75-500-10S	0.75	500	10.0	4	3.54	667
89	RFM ₂ 1.0-500-10S	1.0	500	10.0	4	1.99	500
90	RFM ₂ 1.0-800-10S	1.0	800	10.0	4	3.18	800
91	RFM ₂ 1.0-1000-10S	1.0	1000	10.0	4	3.98	1000
92	RFM ₂ 0.75-500/15S	0.75	500	15.0	4	2.36	667
93	RFM ₂ 0.5-320-25S	0.5	320	25.0	4	2.04	640
94	RFM ₂ 0.75-360-30S	0.75	360	30.0	4	0.894	480
95	RFM ₂ 1.0-560-30S	1.0	560	30.0	4	0.743	560
96	RFM ₂ 1.5-500-30S	1.5	500	30.0	4	0.295	333
97	RFM ₂ 0.75-360-50S	0.75	560	50.0	4	0.509	480

注:其他规格产品可作为特殊订货。单相电容与相等容量的三相电容外壳尺寸相同。
Note: The products of other specifications can be ordered specially. The container dimensions of single-phase capacitor 3-phase capacitor with equal rated output are the same.