

PhiCap Capacitors

Rating KVAR	Description	Material Code	IR A	CN F	D x H mm	Packing Units	MOQ	MRP/ Unit Rs.
PhiCap Normal Duty - 415 V(AC) 3PH, 50HZ (Series B32343 & B32344)								
0.5	PhiCap ROU 415V 50/60Hz-0,5/0,53KVAR 3PH	B32343L4002A510	0.74	3 x 3	53 x 117	12	12	144
1	PhiCap ROU 415V 50/60Hz-1/1,2KVAR 3PH	B32343L4012A 10	1.4	3 x 6.5	53 x 117	12	12	288
1.5	PhiCap ROU 415V 50/60Hz-1.5/1.8KVAR 3PH	B32343L4012A510	2.09	3 x 9.5	53 x 117	12	12	432
2	PhiCap ROU 415V 50/60Hz-2/2.4KVAR 3PH	B32343L4022A 10	2.78	3 x 12.5	53 x 117	12	12	576
2.5	PhiCap ROU 415V 50/60Hz-2.5/3KVAR 3PH	B32343L4022A510	3.48	3 x 15.5	63.5 x 129	12	12	720
3	PhiCap ROU 415V 50/60Hz-3/3.6KVAR 3PH	B32343L4032A 10	4.17	3 x 18.5	63.5 x 129	12	12	864
4	PhiCap ROU 415V 50/60Hz-4/4.8KVAR 3PH	B32343L4042A 10	5.56	3 x 25	63.5 x 152	12	12	1152
5	PhiCap ROU 415V 50/60Hz-5/6KVAR 3PH	B32343L4052A 10	6.96	3 x 31	63.5 x 152	12	12	1166
6.3	PhiCap ROU 415V 50/60Hz-6,3/7,5KVAR 3PH	B32344B4071A510	8.8	3 x 39	78.4 x 195	1	6	1469
7.5	PhiCap ROU 415V 50/60Hz-7.5/9KVAR 3PH	B32344B4072A510	10.43	3 x 46.5	78.4 x 195	1	6	1749
8.3	PhiCap ROU 415V 50/60Hz-8,3/10KVAR 3PH	B32344B4082A310	11.5	3 x 51.5	78.4 x 195	1	6	1935
9	PhiCap ROU 415V 50/60Hz-9/10,8KVAR 3PH	B32344B4092A 10	12.5	3 x 55.5	78.4 x 195	1	6	2099
10	PhiCap ROU 415V 50/60Hz-10/12KVAR 3PH	B32344B4102A 10	13.91	3 x 62	88.4 x 195	1	6	2332
12.5	PhiCap ROU 415V 50/60Hz-12.5/15KVAR 3PH	B32344B4122A510	17.39	3 x 77	88.4 x 270	1	6	2915
15	PhiCap ROU 415V 50/60Hz-15/18KVAR 3PH	B32344B4152A 10	20.87	3 x 92.5	88.4 x 270	1	5	3498
20	PhiCap ROU 415V 50/60Hz-20/24KVAR 3PH	B32344B4202A 10	27.82	3 x 123.5	88.4 x 345	1	2	4664
25	PhiCap ROU 415V 50/60Hz-25/30KVAR 3PH	B32344B4252A 10	34.78	3 x 154	88.4 x 345	1	2	5830
PhiCap Normal Duty - 440 V(AC) 3PH, 50HZ (Series B32343 & B32344)								
1	PhiCap ROU 440V 50/60Hz-1/1.2KVAR 3PH	B32343L4012A 40	1.31	3 x 5.5	53 x 117	12	12	274
1.5	PhiCap ROU 440V 50/60Hz-1.5/1.7KVAR 3PH	B32343L4012A540	1.97	3 x 8.5	53 x 117	12	12	411
2	PhiCap ROU 440V 50/60Hz-2.1/2.5KVAR 3PH	B32343L4021A540	2.8	3 x 11.5	53 x 117	12	12	576
2.5	PhiCap ROU 440V 50/60Hz-2.5/3KVAR 3PH	B32343L4022A540	3.28	3 x 14	63.5 x 129	12	12	686
3	PhiCap ROU 440V 50/60Hz-3/3.6KVAR 3PH	B32343L4032A 40	3.94	3 x 16.5	63.5 x 129	12	12	823
4.2	PhiCap ROU 440V 50/60Hz-4.2/5KVAR 3PH	B32343L4051A 40	5.51	3 x 23	63.5 x 129	12	12	1152
5	PhiCap ROU 440V 50/60Hz-5/6KVAR 3PH	B32343L4052A 40	6.56	3 x 27.5	63.5 x 152	12	12	1110
5.6	PhiCapROU 440V 50/60Hz-5.6/6.72KVAR 3PH	B32343L4052A640	7.3	3 x 31	63.5 x 188	8	8	1244
6	PhiCap ROU 440V 50/60Hz-6,0/7,2KVAR 3PH	B32344B4071A540	7.87	3 x 33	78.4 x 195	1	6	1333
7	PhiCap ROU 440V 50/60Hz-7/8,4KVAR 3PH	B32344B4072A 40	9.2	3 x 38.5	78.4 x 195	1	6	1555
7.5	PhiCap ROU 440V 50/60Hz-7.5/9KVAR 3PH	B32344B4072A540	9.84	3 x 41	78.4 x 195	1	6	1666
8.3	PhiCap ROU 440V 50/60Hz-8.3/10KVAR 3PH	B32344B4101A 40	10.89	3 x 45.5	78.4 x 195	1	6	1843
9	PhiCap ROU 440V 50/60Hz-9/10,8KVAR 3PH	B32344B4092A 40	11.8	3 x 49.5	78.4 x 195	1	1	1999
10	PhiCap ROU 440V 50/60Hz-10/12KVAR 3PH	B32344B4102A 40	13.12	3 x 55	88.4 x 195	1	6	2221
11.2	PhiCapROU 440V 50/60Hz-11.2/13.4KVAR 3PH	B32344B4112A240	14.672	3 x 61.4	88.4 x 195	1	1	2487
12.5	PhiCap ROU 440V 50/60Hz-12.5/15KVAR 3PH	B32344B4151A 40	16.4	3 x 68.5	88.4 x 270	1	5	2776
14	PhiCap ROU 440V 50/60Hz-14/16.8KVAR 3PH	B32344B4142A 40	18.34	3 x 76.4	88.4 x 270	1	1	3109
15	PhiCap ROU 440V 50/60Hz-15/18KVAR 3PH	B32344B4152A 40	19.68	3 x 82.5	88.4 x 270	1	5	3331
16.7	PhiCap ROU 440V 50/60Hz-16,7/20KVAR 3PH	B32344B4201A 40	21.9	3 x 91.5	88.4 x 345	1	5	3709
19	PhiCap ROU 440V 50/60Hz-19/23KVAR 3PH	B32344B4192A 40	24.9	3 x 104.5	88.4 x 345	1	2	4220
20	PhiCap ROU 440V 50/60Hz-20/24KVAR 3PH	B32344B4202A 40	26.24	3 x 110	88.4 x 345	1	1	4442
20.8	PhiCap ROU 440V 50/60Hz-20,8/25KVAR 3PH	B32344B4251A 40	27.3	3 x 114	88.4 x 345	1	2	4619
25	PhiCap ROU 440V 50/60Hz-25/30KVAR 3PH	B32344B4252A 40	32.8	3 x 137.5	93.5 x 345	1	4	5552
28	PhiCap ROU 440V 50Hz-28KVAR 3PH	B32344B4282A 40	36.7	3 x 153.5	93.5 x 345	1	8	6218
30	PhiCap ROU 440V 50/60Hz-30/36KVAR 3PH	B32344B4302A 40	39.4	3 x 164.5	93.5 x 345	1	1	6663
PhiCap Normal Duty - 480 V(AC) 3PH, 50HZ (Series B32344)								
5	PhiCap ROU 480V 50/60HZ-5/6KVAR 3PH	B32344B4052A 80	6.01	3 x 23	78.4 x 195	1	6	1116
5.5	PhiCapROU 480V 50/60Hz-5.5/6.6KVAR 3PH	B32343L4052A580	6.6	3 x 25.3	63.5 x 188	8	8	1283
8.3	PhiCap ROU 480V 50/60Hz-8.3/9.9KVAR 3PH	B32344B4082A380	10	3 x 28.2	78.4 x 270	1	1	1935
10.4	PhiCap ROU 480V 50/60HZ-10.4/12.5KVAR 3PH	B32344B4121A580	12.51	3 x 48	88.4 x 270	1	5	2425

PhiCap Capacitors

Rating KVAR	Description	Material Code	IR A	CN F	D x H mm	Packing Units	MOQ	MRP/ Unit Rs.
PhiCap Normal Duty - 480 V(AC) 3PH, 50HZ (Series B32344)								
11.1	PhiCap ROU 480V 50/60Hz-11.1/13.3KVAR 3PH	B32344B4112A180	13.4	3 x 51.1	78.4 x 270	1	1	2588
12.5	PhiCap ROU 480V 50/60Hz-12.5/15KVAR 3PH	B32344B4151A 80	15.04	3 x 58	88.4 x 345	1	5	2915
13.8	PhiCap ROU 480V 50/60Hz-13.8/13.3KVAR 3PH	B32344B4132A880	16.6	3 x 63.6	88.4 x 270	1	1	3218
15	PhiCap ROU 480V 50/60Hz-15/18KVAR 3PH	B32344B4152A 80	18.04	3 x 69	88.4 x 345	1	2	3498
16.6	PhiCap ROU 480V 50/60Hz-16.6/19.9KVAR 3PH	B32344B4162A680	20	3 x 76.5	88.4 x 345	1	1	3871
20.8	PhiCap ROU 480V 50/60Hz-20.8/25KVAR 3PH	B32344B4251A 80	25.02	3 x 96	88.4 x 345	1	2	4850
22.1	PhiCap ROU 480V 50/60Hz-22.1/26.5KVAR 3PH	B32344B4222A180	26.6	3 x 101.8	93.5 x 345	1	1	5153
25	PhiCap ROU 480V 50/60Hz-25/30KVAR 3PH	B32344B4252A 80	30.07	3 x 115	93.5 x 345	1	2	5830
27.7	PhiCap ROU 480V 50/60Hz-27.7/33.2KVAR 3PH	B32344B4272A780	33.3	3 x 127.6	93.5 x 345	1	1	6459
30	PhiCap ROU 480V 50/60Hz-30/36KVAR 3PH	B32344B4302A 80	36.09	3 x 138	93.5 x 345	1	2	6996
PhiCap Normal Duty - 525 V(AC) 3PH, 50HZ (Series B32344)								
5	PhiCap ROU 525V 50/60Hz-5/6KVAR 3PH	B32344B5052A 20	5.5	3 x 19	78.4 x 195	1	1	1199
6.3	PhiCap ROU 525V 50/60Hz-6.3/7.5KVAR 3PH	B32344B5071A520N 1	6.93	3 x 24	78.4 x 195	1	6	1511
6.6	PhiCapROU 525V 50/60Hz-6.6/7.9KVAR 3PH	B32343L5062A620	7.3	3 x 25.4	63.5 x 270	8	8	1583
8.3	PhiCap ROU 525V 50/60Hz-8.3/9.7KVAR 3PH	B32344B5082A320	9.13	3 x 32	88.4 x 270	1	1	1991
9.9	PhiCap ROU 525V 50/60Hz-9.9/11.9KVAR 3PH	B32344B5092A920	10.9	3 x 38.1	78.4 x 270	1	1	2375
10.4	PhiCap ROU 525V 50/60Hz-10.4/12.5KVAR3PH	B32344B5102A420	11.44	3 x 40	88.4 x 270	1	2	2494
12.5	PhiCap ROU 525V 50/60Hz-12.5/15KVAR 3PH	B32344B5151A 20	13.75	3 x 48	88.4 x 270	1	2	2998
13.2	PhiCap ROU 525V 50/60Hz-13.2/15.8KVAR3PH	B32344B5132A220	14.5	3 x 50.8	88.4 x 270	1	1	3166
16.7	PhiCap ROU 525V 50/60Hz-16.7/20KVAR 3PH	B32344B5162A720	18.37	3 x 64	88.4 x 345	1	1	4006
19.9	PhiCap ROU 525V 50/60Hz-19.9/23.9KVAR3PH	B32344B5192A920	21.9	3 x 76.6	88.4 x 345	1	1	4773
20.8	PhiCap ROU 525V 50/60Hz-20.8/25KVAR 3PH	B32344B5202A820	22.87	3 x 80	93.5 x 345	1	1	4989
26.5	PhiCap ROU 525V 50/60Hz-26.5/31.8KVAR3PH	B32344B5262A520	29.5	3 x 102.1	121.5 x 325	1	1	6356
33.1	PhiCap ROU 525V 50/60Hz-33.1/39.7KVAR3PH	B32344B5332A120	36.4	3 x 127.5	121.5 x 325	1	1	7939

Important Information: 2

Temperature Class of Capacitors (according IEC 60831-1)

Temperature Class	Temperature of Air Surrounding the Capacitor		
	Maximum	Maximum mean for 24 h	Maximum mean for 1 year
B	45°C	35°C	25°C
C	50°C	40°C	30°C
D	55°C	45°C	35°C

Capacitors are divided into temperature classes. Each class is represented by a number followed by a letter, e.g. -40/D. The number is the lowest ambient temperature at which a capacitor may operate. The upper limit temperature is indicated by the letter (see table above).

The useful life of a capacitor depends very much on temperature. Proper cooling of a capacitor must ensure that the maximum temperature is not exceeded, otherwise useful life is degraded. When configuring a circuit, one should make sure that capacitors are not subjected to heat from adjacent

components (reactors, bus bars, etc.). Forced cooling is preferable for compact designs. And it is highly inadvisable to arrange capacitors directly above reactors. Exceeding specified temperature limits, may set in worst case the safety device out of operation.

PhiCap -HD Capacitors

Rating KVAR	Description	Material Code	IR A	CN F	D x H mm	Packing Units	MOQ	MRP/ Unit Rs.
PhiCap Heavy Duty - 415 V(AC) 3PH, 50HZ (Series B32447 & B32448)								
1	PhiCap HD ROU 415V 50/60HZ-1/1.2KVAR 3PH	B32447A4012B 10	1.39	3 x 6.5	53 x 129	12	12	443
2	PhiCap HD SIG 415V 50/60HZ-2/2.4KVAR 3PH	B32448A4022B 10	2.78	3 x 12.5	78.4 x 195	1	1	886
3	PhiCap HD SIG 415V 50/60HZ-3/3.6KVAR 3PH	B32448A4032B 10	4.17	3 x 19	78.4 x 195	1	1	1329
4	PhiCap HD SIG 415V 50/60HZ-4/4.8KVAR 3PH	B32448A4042B 10	5.56	3 x 25	78.4 x 195	1	4	1772
5	PhiCap HD SIG 415V 50/60HZ-5/6KVAR 3PH	B32448A4052B 10	6.96	3 x 31	88.4 x 195	1	2	1983
8	PhiCap HD SIG 415V 50/60HZ-8/9.6KVAR 3PH	B32448A4082B 10	11.13	3 x 49.5	88.4 x 270	1	2	3173
9	PhiCap HD SIG 415V 50/60HZ-9/10.8KVAR 3PH	B32448A4092B 10	12.52	3 x 55.5	88.4 x 270	1	2	3570
10	PhiCap HD SIG 415V 50/60HZ-10/12KVAR 3PH	B32448A4102B 10	13.91	3 x 62	88.4 x 345	1	2	3967
12.5	PhiCap HD SIG 415V 50/60HZ-12.5/15KVAR 3PH	B32448A4122B510	17.39	3 x 77	88.4 x 345	1	2	4958
PhiCap Heavy Duty - 440 V(AC) 3PH, 50HZ (Series B32447 and B32448)								
1	PhiCap HD ROU 440V 50/60Hz-1/1.2KVAR 3PH	B32447A4012B 40	1.3	3 x 5.5	53 x 117	12	12	422
2	PhiCap HD ROU 440V 50/60Hz-2/2.4KVAR 3PH	B32447A4022B 40	2.62	3 x 12.5	63.5 x 129	12	12	844
3	PhiCap HD SIG 440V 50/60Hz-3/3.6KVAR 3PH	B32448A4032B 40	3.94	3 x 16.5	78.4 x 195	1	4	1266
4	PhiCap HD SIG 440V 50/60Hz-4/4.8KVAR 3PH	B32448A4042B 40	5.25	3 x 22	78.4 x 195	1	4	1688
5	PhiCap HD SIG 440V 50/60Hz-5/6KVAR 3PH	B32448A4052B 40	6.56	3 x 27.5	78.4 x 195	1	4	1889
6	PhiCap HD SIG 440V 50/60Hz-6/7.2KVAR 3PH	B32448A4062B 40	7.8	3 x 33	88.4 x 195	1	2	2267
7.5	PhiCap HD SIG 440V 50/60Hz-7.5/9KVAR 3PH	B32448A4072B540	9.84	3 x 41.5	88.4 x 270	1	2	2833
8	PhiCap HD SIG 440V 50/60Hz-8/9.6KVAR 3PH	B32448A4082B 40	10.5	3 x 44	88.4 x 270	1	4	3022
9	PhiCap HD SIG 440V 50/60Hz-9/10.8KVAR 3PH	B32448A4092B 40	11.8	3 x 49.5	88.4 x 270	1	1	3400
10	PhiCap HD SIG 440V 50/60Hz-10/12KVAR 3PH	B32448A4102B 40	13.12	3 x 55	88.4 x 270	1	2	3778
12.5	PhiCap HD SIG 440V 50/60Hz-12.5/15KVAR 3PH	B32448A4122B540	16.4	3 x 68.5	93.5 x 270	1	2	4722
15	PhiCap HD SIG 440V 50/60Hz-15/18KVAR 3PH	B32448A4152B 40	19.68	3 x 82.5	105.5 x 280	1	2	5667
20	PhiCap HD SIG 440V 50/60Hz-20KVAR 3PH	B32448A4202B840	26.24	3 x 109.6	121.5 x 280	1	4	7556
25	PhiCap HD SIG 440V 50/60Hz-25KVAR 3PH	B32448A4252B 40	32.8	3 x 137	121.5 x 325	1	4	9444
30	PhiCap HD SIG 440V 50/60Hz-30KVAR 3PH	B32448A4302B 40	39.4	3 x 164.5	142 x 325	1	1	11333
PhiCap Heavy Duty - 480 V(AC) 3PH, 50HZ (Series B32448)								
5	PhiCap HD SIG 480V 50/60Hz-5/6KVAR 3PH	B32448A4052B 80	6.01	3 x 23	78.4 x 195	1	1	1983
5.5	PhiCap HD SIG 480V 50/60Hz-5.5KVAR 3PH	B32448A4052A580	6.6	3 x 25.3	78.4 x 195	1	1	2182
8.3	PhiCap HD SIG 480V 50/60Hz-8.3KVAR 3PH	B32448A4082A380	10	3 x 38.2	88.4 x 270	1	1	3292
10	PhiCap HD SIG 480V 50/60Hz-10/12KVAR 3PH	B32448A4102B 80	12.03	3 x 46	88.4 x 270	1	2	3967
11.1	PhiCap HD SIG 480V 50/60Hz-11.1KVAR 3PH	B32448A4112A180	13.4	3 x 51.1	88.4 x 270	1	1	4403
12.5	PhiCap HD SIG 480V 50/60Hz-12.5/15KVAR 3PH	B32448A4122B580	15.04	3 x 58	88.4 x 270	1	2	4958
13.8	PhiCap HD SIG 480V 50/60Hz-13.8KVAR 3PH	B32448A4132A880	16.6	3 x 63.6	93.5 x 270	1	1	5488
14.5	PhiCap HD SIG 480V 50/60Hz-14.5/17.4KVAR 3PH	B32448A4142B580	17.44	3 x 67	93.5 x 270	1	2	5752
16.6	PhiCap HD SIG 480V 50/60Hz-16.6KVAR 3PH	B32448A4162A680	20	3 x 76.5	88.4 x 345	1	1	6585
20	PhiCap HD SIG 480V 50/60Hz-20KVAR 3PH	B32448A4202B880	24.06	3 x 95.8	121.5 x 280	1	4	7933
22.1	PhiCap HD SIG 480V 50/60Hz-22.1KVAR 3PH	B32448A4222A180	26.6	3 x 101.8	105.5 x 280	1	1	8766
25	PhiCap HD SIG 480V 50/60Hz-25KVAR 3PH	B32448A4252B 80	30.07	3 x 115.1	121.5 x 325	1	4	9917
27.7	PhiCap HD SIG 480V 50/60Hz-27.7KVAR 3PH	B32448A4272A780	33.3	3 x 127.6	121.5 x 325	1	1	10988
30	PhiCap HD SIG 480V 50/60Hz-30KVAR 3PH	B32448A4302B 80	36.09	3 x 138.1	121.5 x 325	1	4	11900