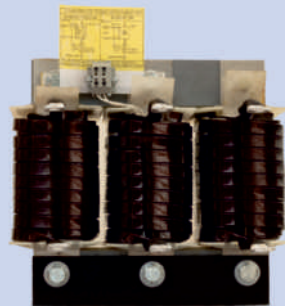


## TDK Price List May 2021

# Power Factor Correction (PFC) and Key Components

Capacitors for power factor correction (PFC) decrease the energy costs by improving the power factor and releasing the grids from harmonics. Therefore they mean a significant increase of profitability for our customers whilst permitting a more environment-friendly and cost-effective production.

In the future the topic pollution (harmonics, transients, etc.) of grids will become more important and power quality will become a major issue. Enhancing power quality – improvement of power factor – saves costs and ensures a fast return on investment. In power distribution, in low- and medium-voltage networks, PFC focuses on the power flow ( $\cos \phi$ ) and the optimization of voltage stability by generating reactive power – to improve voltage quality and reliability at distribution level.





**TDK Technology  
Superior Solutions  
for a Smart World.**

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# Film Capacitors

## PFC Capacitors and Key Components

### PhiCap Normal Duty Capacitor



#### Series

PhiCap Normal Duty  
B32340, B32341 and B32344

#### Technical data

Single unit up to 30 KVAR  
Rated Voltage: 230V to 525V

#### Features

- Manufactured using state-of-art metalisation process for MPP film with heavy edge
- Self healing property
- Low energy consumption
- Soft biodegradable resin as impregnant
- Safety device in the form of pressure sensitive (over pressure) mechanical interrupter
- Temp class : -25/D

#### Specification

Conformance to Standards  
IEC 60831-1 & 2 IS 13340

Rating KVAR	Description	Material Code	Voltage	IR (A)	CN (μF)	d x h mm	Packing Units	MOQ	MRP per Pcs in INR
<b>PhiCap Normal Duty - 415V(AC) 3PH, 50Hz (Series B32344)</b>									
1.0	PhiCap ROU 415V 50Hz1 kvar 3PH	B32344N4012A 15	415	1.4	3 x 6.2	50 x 75	36	36	454.60
1.5	PhiCap ROU 415V 50Hz1.5 kvar 3PH	B32344N4012A515	415	2.1	3 x 9.2	50 x 88	36	36	681.90
2.0	PhiCap ROU 415V 50Hz2 kvar 3PH	B32344N4022A 15	415	2.8	3 x 12.3	50 x 112	36	36	649.42
2.5	PhiCap ROU 415V 50Hz 2.5 kvar 3PH	B32344N4022A515	415	3.5	3 x 15.4	55 x 112	25	25	811.77
3.0	PhiCap ROU 415V 50Hz 3 kvar 3PH	B32344N4032A 15	415	4.2	3 x 18.5	55 x 137	25	25	974.12
4.0	PhiCap ROU 415V 50Hz 4 kvar 3PH	B32344N4042A 15	415	5.6	3 x 24.7	55 x 147	25	25	989.54
5.0	PhiCap ROU 415V 50Hz 5 kvar 3PH	B32344N4052A 15	415	7	3 x 30.8	63.5 x 136	25	25	1,236.92
6.3	PhiCap ROU 415V 50Hz6.3 kvar 3PH	B32344N4062A315	415	8.8	3 x 38.8	75 x 157	1	1	1,558.51
7.5	PhiCap ROU 415V 50Hz-7.5 kvar 3PH	B32344N4072A515	415	10.4	3 x 46.2	75 x 167	1	1	1,855.37
8.3	PhiCap ROU 415V 50Hz8.3 kvar 3PH	B32344N4082A315	415	11.5	3 x 51.2	75 x 167	1	1	2,053.29
10	PhiCap ROU 415V 50Hz-10 kvar 3PH	B32344N4102A 15	415	13.9	3 x 61.6	75 x 197	1	1	2,473.84
12.5	PhiCap ROU 415V 50Hz-12.5 kvar 3PH	B32344N4122A515	415	17.4	3 x 77.0	75 x 197	1	1	3,092.32
15	PhiCap ROU 415V 50Hz15 kvar 3PH	B32344N4152A15	415	20.9	3 x 92.5	75 x 270	1	1	3,710.77
20	PhiCap ROU 415V 50Hz-20 kvar 3PH	B32344N4202A 15	415	27.8	3 x 123.3	75 x 270	1	1	4,947.71
25	PhiCap ROU 415V 50Hz-25 kvar 3PH	B32344N4252A 15	415	34.8	3 x 154.1	85 x 270	1	1	6,184.63
<b>PhiCap Normal Duty - 440 V(AC) 1PH, 50Hz (Series B32340 and 41)</b>									
1.0	PhiCap ROU 440V 50Hz-1 kvar 1PH	B32340L4012A 40	440	2.3	1 x 16.4	63.5 x 68	12	12	547.36
2.1	PhiCap ROU 440V 50Hz-2.1 kvar 1PH	B32340L4022A140	440	4.8	1 x 34.5	63.5 x 105	12	12	779.30
3.0	PhiCap ROU 440V 50Hz-3 kvar 1PH	B32340L4032A 40	440	6.8	1 x 49.3	63.5 x 105	12	12	974.13
4.2	PhiCap ROU 440V 50Hz-4.2 kvar 1PH	B32340L4042A240	440	9.5	1 x 69.1	63.5 x 132	12	12	1,246.88
5.0	PhiCap ROU 440V 50/60Hz-5/6 kvar 1PH	B32340L4052A 40	440	11.4	1 x 82.2	63.5 x 142	12	12	1,484.37
8.0	PhiCap ROU 440V 50/60Hz-8/9,6 kvar 1PH	B32341A4082A 40N 1	440	18.2	1 x 132	75 x 197	1	1	2,374.89
10	PhiCap ROU 440V 50/60Hz-10/12 kvar 1PH	B32341A4102A 40N 1	440	22.7	1 x 165	85 x 197	1	1	2,968.77
12.5	PhiCap ROU 440V 50/60Hz-12.5/15 kvar 1PH	B32341A4122A540	440	28.4	1 x 206	90 x 198	1	1	3,710.96

# Film Capacitors

## PFC Capacitors and Key Components

Rating KVAR	Description	Material Code	Voltage	IR (A)	CN (μF)	d x h mm	Packing Units	MOQ	MRP per Pcs in INR
PhiCap Normal Duty - 440 V(AC) 3PH, 50Hz (Series B32344)									
1.0	PhiCap ROU 440V 50Hz 1 kvar 3PH	B32344N4012A 40	440	1.3	3 x 5.5	50 x 75	36	36	454.60
1.2	PhiCap ROU 440V50Hz1.2 kvar3PH	B32344N4012A240	440	1.6	3 x 6.6	50 x 75	36	36	545.52
1.5	PhiCap ROU 440V50Hz1.5 kvar3PH	B32344N4012A540	440	1.8	3 x 8.2	50 x 88	36	36	681.90
2.0	PhiCap ROU 440V 50Hz 2 kvar 3PH	B32344N4022A 40	440	2.6	3 x 11.0	50 x 112	36	36	649.42
2.5	PhiCap ROU 440V 50Hz 2.5 kvar 3PH	B32344N4022A540	440	3.3	3 x 13.7	50 x 112	36	36	811.77
3.0	PhiCap ROU 440V 50Hz 3 kvar 3PH	B32344N4032A 40	440	3.9	3 x 16.4	55 x 112	25	25	974.12
4.0	PhiCap ROU 440V 50Hz 4 kvar 3PH	B32344N4042A 40	440	5.2	3 x 21.9	55 x 137	25	25	989.54
5.0	PhiCap ROU 440V 50Hz 5 kvar 3PH	B32344N4052A 40	440	6.6	3 x 27.4	55 x 147	25	25	1,236.92
5.6	PhiCap ROU 440V 50HZ 5.6 kvar 3PH	B32344N4052A640	440	7.3	3 x 30.7	63.5 x 136	25	25	1,385.33
6.0	PhiCap ROU 440V 50Hz 6 kvar 3PH	B32344N4062A 40	440	7.9	3 x 32.9	63.5 x 136	25	25	1,484.30
7.0	PhiCap ROU 440V 50Hz 7 kvar 3PH	B32344N4072A 40	440	9.2	3 x 38.4	63.5 x 146	25	25	1,731.68
7.5	PhiCap ROU 440V 50HZ 7.5 kvar 3PH	B32344N4072A540	440	9.8	3 x 41.1	75 x 157	1	1	1,855.37
8.3	PhiCap ROU 440V 50Hz 8.3 kvar 3PH	B32344N4082A340	440	10.9	3 x 45.5	75 x 157	1	1	2,053.29
9.0	PhiCap ROU 440V 50Hz 9 kvar 3PH	B32344N4092A040	440	11.8	3 x 49.3	75 x 167	1	1	2,226.46
10	PhiCap ROU 440V 50HZ 10 kvar 3PH	B32344N4102A040	440	13.1	3 x 54.8	75 x 167	1	1	2,473.84
12.5	PhiCap ROU 440V 50Hz-12.5 kvar 3PH	B32344N4122A540	440	16.4	3 x 68.5	75 x 197	1	1	3,092.32
15	PhiCap ROU 440V 50Hz-15 kvar 3PH	B32344N4152A 40	440	19.7	3 x 82.2	75 x 270	1	1	3,710.77
16.7	PhiCap ROU 440V 50Hz-16.7 kvar 3PH	B32344N4162A740	440	21.9	3 x 91.6	85 x 270	1	1	4,131.32
20	PhiCap ROU 440V 50Hz-20 kvar 3PH	B32344N4202A 40	440	26.2	3 x 109.7	85 x 270	1	1	4,947.71
25	PhiCap ROU 440V 50Hz-25 kvar 3PH	B32344N4252A 40	440	32.8	3 x 137.1	90 x 270	1	1	6,184.63
28	PhiCap ROU 440V 50Hz-28 kvar 3PH	B32344N4282A 40	440	36.7	3 x 153.5	85 x 348	1	1	6,926.80
30	PhiCap ROU 440V 50Hz-30 kvar 3PH	B32344N4302A 40	440	39.4	3 x 164.5	90 x 348	1	1	7,421.55
PhiCap Normal Duty - 480 V(AC) 3PH, 50Hz (Series B32344)									
5.0	PhiCap ROU 480V 50Hz 5 kvar 3PH	B32344N4052A 80	480	6	3 x 23.0	63.5 x 136	25	25	1,236.92
5.5	PhiCap ROU 480V 50Hz5.5 kvar 3PH	B32344N4052A580	480	6.6	3 x 25.3	63.5 x 136	25	25	1,360.61
8.3	PhiCap ROU 480V 50Hz 8.3 kvar 3PH	B32344N4082A380	480	10	3 x 38.2	75 x 167	1	1	2,053.29
10.4	PhiCap ROU 480V 50Hz-10.4kvar 3PH	B32344N4102A480	480	12.5	3 x 47.9	75 x 197	1	1	2,572.79
11.1	PhiCap ROU 480V 50Hz11.1 kvar 3PH	B32344N4112A180	480	13.4	3 x 51.1	75 x 197	1	1	2,745.97
12.5	PhiCap ROU 480V 50Hz-12.5 kvar 3PH	B32344N4122A580	480	15	3 x 57.6	75 x 197	1	1	3,092.32
13.8	PhiCap ROU 480V 50Hz13.8 kvar3PH	B32344N4132A880	480	16.6	3 x 63.6	75 x 270	1	1	3,413.90
15	PhiCap ROU 480V 50Hz-15 kvar 3PH	B32344N4152A 80	480	18	3 x 69.1	75 x 270	1	1	3,710.77
16.7	PhiCap ROU 480V 50Hz16.7 kvar 3PH	B32344N4162A780	480	20	3 x 76.9	75 x 270	1	1	4,131.32
20.8	PhiCap ROU 480V 50Hz-20.8 kvar 3PH	B32344N4202A880	480	25	3 x 95.8	85 x 270	1	1	5,145.61
22.1	PhiCap ROU 480V 50Hz22.1 kvar3PH	B32344N4222A180	480	26.6	3 x 101.8	85 x 348	1	1	5,467.21
25	PhiCap ROU 480V 50Hz-25 kvar 3PH	B32344N4252A 80	480	30.1	3 x 115.2	85 x 348	1	1	6,184.63
27.7	PhiCap ROU 480V 50Hz-27.7 kvar 3PH	B32344N4272A780	480	33.3	3 x 127.6	90 x 348	1	1	6,852.57
30	PhiCap ROU 480V 50Hz-30 kvar 3PH	B32344N4302A 80	480	36.1	3 x 138.2	90 x 348	1	1	7,421.55

# Film Capacitors

PFC Capacitors and Key Components

Rating KVAR	Description	Material Code	Voltage	IR (A)	CN (μF)	d x h mm	Packing Units	MOQ	MRP per Pcs in INR
<b>PhiCap Normal Duty - 525 V(AC) 3PH, 50Hz (Series B32344)</b>									
5.0	PhiCap ROU 525V 50Hz 5 kvar 3PH	B32344N5052A 25	525	5.5	3 x 19.3	63.5 x 146	25	25	1,236.92
6.6	PhiCap ROU 525V 50Hz 6.6 kvar 3PH	B32344N5062A625	525	7.3	3 x 25.4	75 x 157	1	1	1,632.73
7.5	PhiCap ROU 525V 50Hz 7.5 kvar 3PH	B32344N5072A525	525	8.3	3 x 28.9	75 x 167	1	1	1,855.35
8.3	PhiCap ROU 525V 50Hz 8.3 kvar 3PH	B32344N5082A325	525	9.1	3 x 32	75 x 197	1	1	2,053.25
10.4	PhiCap ROU 525V 50Hz-10.4 kvar 3PH	B32344N5102A425	525	11.4	3 x 40.1	75 x 197	1	1	2,572.79
12.5	PhiCap ROU 525V 50Hz-12.5 kvar 3PH	B32344N5122A525	525	13.7	3 x 48.1	85 x 197	1	1	3,092.32
13.2	PhiCap ROU 525V 50Hz 13.2 kvar 3PH	B32344N5132A225	525	14.5	3 x 50.8	85 x 270	1	1	3,265.47
16.7	PhiCap ROU 525V 50Hz-16.7 kvar 3PH	B32344N5162A725	525	18.4	3 x 64.3	85 x 270	1	1	4,131.32
20.8	PhiCap ROU 525V 50Hz-20.8 kvar 3PH	B32344N5202A825	525	22.9	3 x 80.1	90 x 270	1	1	5,145.61
25	PhiCap ROU 525V 50Hz-25 kvar 3PH	B32344N5252A 25	525	27.5	3 x 96.3	90 x 348	1	1	6,184.63
26.5	PhiCap ROU 525V 50Hz-26.5 kvar 3PH	B32344N5262A525	525	29.1	3 x 102.1	90 x 348	1	1	6,555.70

# Film Capacitors

## PFC Capacitors and Key Components

### PhiCap Heavy Duty Capacitor



<b>Series</b>	PhiCap Heavy Duty B32447 and B32448
<b>Technical data</b>	5 to 33.1 KVAR Rated Voltage: 230V to 525V
<b>Features</b>	<ul style="list-style-type: none"> <li>• Manufactured using state-of-art metalisation process for MPP film with heavy edge</li> <li>• Self-healing property</li> <li>• Low energy consumption</li> <li>• Capable of withstanding high inrush current for non-linear loads</li> <li>• Soft biodegradable resin as impregnant</li> <li>• Three phase safety device in the form of pressure sensitive (over pressure) mechanical interrupter</li> <li>• Temp class: -25/D</li> </ul>
<b>Specification</b>	Conformance to Standards IEC 60831-1 & 2 IS 13340

Rating KVAR	Description	Material Code	Voltage	IR (A)	CN (μF)	d x h mm	Packing Units	MOQ	MRP per Pcs in INR
<b>PhiCap Heavy Duty - 415 V(AC) 3PH, 50Hz (Series B32447 and B32448)</b>									
1.0	PhiCap HD ROU 415V 50Hz 1 kvar 3PH	B32447H4012A 15	415	1.4	3 x 6.2	53 x 117	12	12	649.43
2.0	PhiCap HD ROU 415V 50Hz 2 kvar 3PH	B32447H4022A 15	415	2.8	3 x 12.3	53 x 117	12	12	748.37
3.0	PhiCap HD ROU 415V 50Hz 3 kvar 3PH	B32447H4032A 15	415	4.2	3 x 18.5	53 x 152	12	12	1,122.56
4.0	PhiCap HD ROU 415V 50Hz 4 kvar 3PH	B32447H4042A 15	415	5.6	3 x 24.6	53 x 152	12	12	1,261.74
5.0	PhiCap HD ROU 415V 50Hz 5 kvar 3PH	B32447H4052A 15	415	7.0	3 x 30.8	63.5 x 129	12	12	1,577.16
7.5	PhiCap HD SIG 415V 50Hz 7.5 kvar 3PH	B32448H4072A515	415	10.4	3 x 46.2	75 x 160	1	1	2,365.74
8.0	PhiCap HD ROU 415V 50Hz 8 kvar 3PH	B32448H4082A 15	415	11.1	3 x 49.3	75 x 160	1	1	2,523.48
9.0	PhiCap HD ROU 415V 50Hz 9 kvar 3PH	B32448H4092A 15	415	12.5	3 x 55.4	75 x 160	1	1	2,838.90
10.0	PhiCap HD SIG 415V 50Hz 10 kvar 3PH	B32448H4102A 15	415	13.9	3 x 61.6	75 x 197	1	1	3,154.34
12.5	PhiCap HD SIG 415V 50Hz 12.5 kvar 3PH	B32448H4122A515	415	17.4	3 x 77	75 x 197	1	1	3,942.92
15.0	PhiCap HD SIG 415V 50Hz 15 kvar 3PH	B32448H4152A 15	415	20.9	3 x 92.4	75 x 270	1	1	4,731.50
20.0	PhiCap HD SIG 415V 50Hz 20 kvar 3PH	B32448H4202A 15	415	27.8	3 x 123.2	75 x 270	1	1	6,308.69
25.0	PhiCap HD SIG 415V 50Hz 25 kvar 3PH	B32448H4252A 15	415	34.8	3 x 154	85 x 270	1	1	7,885.85
<b>PhiCap Heavy Duty - 440 V(AC) 3PH, 50Hz (Series B32447 and B32448)</b>									
1.0	PhiCap HD ROU 440V 50Hz 1 kvar 3PH	B32447H4012A 40	440	1.3	3 x 5.5	53 x 117	12	12	649.43
2.0	PhiCap HD ROU 440V 50Hz 2k var 3PH	B32447H4022A 40	440	2.6	3 x 11	53 x 117	12	12	748.37
3.0	PhiCap HD ROU 440V 50Hz 3 kvar 3PH	B32447H4032A 40	440	3.9	3 x 16.4	53 x 117	12	12	1,122.56
4.0	PhiCap HD ROU 440V 50Hz 4 kvar 3PH	B32447H4042A 40	440	5.2	3 x 21.9	53 x 152	12	12	1,261.74
5.0	PhiCap HD ROU 440V 50Hz 5 kvar 3PH	B32447H4052A 40	440	6.6	3 x 27.4	53 x 152	12	12	1,577.16
6.0	PhiCap HD ROU 440V 50Hz 6 kvar 3PH	B32447H4062A 40	440	7.9	3 x 32.9	63.5 x 152	12	12	1,892.61
7.5	PhiCap HD SIG 440V 50Hz 7.5 kvar 3PH	B32448H4072A540	440	9.8	3 x 41.1	75 x 160	1	1	2,365.74
8.3	PhiCap HD SIG 440V 50Hz 8.3 kvar 3PH	B32448H4082A340	440	10.9	3 x 45.5	75 x 160	1	1	2,623.22
9.0	PhiCap HD ROU 440V 50Hz 9 kvar 3PH	B32448H4092A 40	440	11.8	3 x 49.3	75 x 160	1	1	2,838.90
10.0	PhiCap HD SIG 440V 50Hz 10 kvar 3PH	B32448H4102A 40	440	13.1	3 x 54.8	75 x 197	1	1	3,154.34
12.5	PhiCap HD SIG 440V 50Hz 12.5 kvar 3PH	B32448H4122A540	440	16.4	3 x 68.5	75 x 197	1	1	3,942.92
15.0	PhiCap HD SIG 440V 50Hz 15 kvar 3PH	B32448H4152A 40	440	19.7	3 x 82.2	75 x 270	1	1	4,731.50



# Film Capacitors


## PFC Capacitors and Key Components

Rating KVAR	Description	Material Code	Voltage	IR (A)	CN (μF)	d x h mm	Packing Units	MOQ	MRP per Pcs in INR
<b>PhiCap Heavy Duty - 440 V(AC) 3PH, 50Hz (Series B32447 and B32448)</b>									
20.0	PhiCap HD SIG 440V 50Hz 20 kvar 3PH	B32448H4202A 40	440	26.2	3 x 109.6	85 x 270	1	1	6,308.69
25.0	PhiCap HD SIG 440V 50Hz 25 kvar 3PH	B32448H4252A 40	440	32.8	3 x 137	90 x 270	1	1	7,885.85
28.1	PhiCap HD SIG 440V 50Hz 28.1 kvar 3PH	B32448H4282A140	440	36.9	3 x 154	85 x 348	1	1	8,863.70
30.0	PhiCap HD SIG 440V 50Hz 30 kvar 3PH	B32448H4302A 40	440	39.4	3 x 164.4	90 x 348	1	1	9,463.03
<b>PhiCap Heavy Duty - 480 V(AC) 3PH, 50Hz (Series B32447 and B32448)</b>									
5.0	PhiCap HD ROU 480V 50Hz 5 kvar 3PH	B32447H4052A 80	480	6.0	3 x 23	63.5 x 152	12	12	1,577.16
5.5	PhiCap HD ROU 480V 50Hz 5.5 kvar 3PH	B32447H4052A580	480	6.6	3 x 25.3	63.5 x 152	12	12	1,734.87
6.3	PhiCap HD ROU 480V 50Hz 6.3 kvar 3PH	B32447H4062A380	480	7.6	3 x 29	63.5 x 152	12	12	1,987.22
8.3	PhiCap HD SIG 480V 50Hz 8.3 kvar 3PH	B32448H4082A380	480	10.0	3 x 38.2	75 x 160	1	1	2,618.09
10.4	PhiCap HD SIG 480V 50Hz 10.4 kvar 3PH	B32448H4102A480	480	12.5	3 x 47.9	75 x 197	1	1	3,280.52
11.1	PhiCap HD SIG 480V 50Hz 11.1 kvar 3PH	B32448H4112A180	480	13.4	3 x 51.1	75 x 197	1	1	3,501.30
12.5	PhiCap HD SIG 480V 50Hz 12.5 kvar 3PH	B32448H4122A580	480	15.0	3 x 57.6	75 x 197	1	1	3,942.92
13.8	PhiCap HD SIG 480V 50Hz 13.8 kvar 3PH	B32448H4132A880	480	16.6	3 x 63.5	75 x 270	1	1	4,352.98
15.0	PhiCap HD SIG 480V 50Hz 15 kvar 3PH	B32448H4152A 80	480	18.0	3 x 69.1	75 x 270	1	1	4,731.50
16.7	PhiCap HD SIG 480V 50Hz 16.7 kvar 3PH	B32448H4162A780	480	20.1	3 x 76.9	85 x 270	1	1	5,267.74
18.7	PhiCap HD SIG 480V 50Hz 18.7 kvar 3PH	B32448H4182A780	480	22.5	3 x 86.1	85 x 270	1	1	5,898.61
20.0	PhiCap HD SIG 480V 50Hz 20 kvar 3PH	B32448H4202A 80	480	24.1	3 x 92.1	85 x 270	1	1	6,308.69
22.0	PhiCap HD SIG 480V 50Hz 22 kvar 3PH	B32448H4222A 80	480	26.5	3 x 101.3	85 x 348	1	1	6,939.56
25.0	PhiCap HD SIG 480V 50Hz 25 kvar 3PH	B32448H4252A 80	480	30.1	3 x 115.1	85 x 348	1	1	7,885.85
27.7	PhiCap HD SIG 480V 50Hz 27.7 kvar 3PH	B32448H4272A780	480	33.3	3 x 127.5	90 x 348	1	1	8,737.53
28.1	PhiCap HD SIG 480V 50Hz 28.1 kvar 3PH	B32448H4282A180	480	33.8	3 x 129.4	90 x 348	1	1	8,863.70
30.0	PhiCap HD SIG 480V 50Hz 30 kvar 3PH	B32448H4302A 80	480	36.1	3 x 138.1	90 x 348	1	1	9,463.03
<b>PhiCap Heavy Duty - 525 V(AC) 3PH, 50Hz (Series B32447 and B32448)</b>									
5.0	PhiCap HD ROU 525V 50Hz 5 kvar 3PH	B32447H5052A 25	525	5.5	3 x 19.2	63.5 x 152	12	12	1,577.16
6.3	PhiCap HD SIG 525V 50Hz 6.3 kvar 3PH	B32448H5062A325	525	6.9	3 x 24.2	75 x 160	1	1	1,987.22
6.6	PhiCap HD SIG 525V 50Hz 6.6 kvar 3PH	B32448H5062A625	525	7.3	3 x 25.4	75 x 160	1	1	2,081.85
7.5	PhiCap HD SIG 525V 50Hz 7.5 kvar 3PH	B32448H5072A525	525	8.2	3 x 28.9	75 x 160	1	1	2,365.74
8.3	PhiCap HD SIG 525V 50Hz 8.3 kvar 3PH	B32448H5082A325	525	9.1	3 x 31.9	75 x 160	1	1	2,618.09
10.4	PhiCap HD SIG 525V 50Hz 10.4 kvar 3PH	B32448H5102A425	525	11.4	3 x 40	75 x 197	1	1	3,280.52
12.5	PhiCap HD SIG 525V 50Hz 12.5 kvar 3PH	B32448H5122A525	525	13.7	3 x 48.1	85 x 197	1	1	3,942.92
13.2	PhiCap HD SIG 525V 50Hz 13.2 kvar 3PH	B32448H5132A225	525	14.5	3 x 50.8	75 x 270	1	1	4,163.73
15.0	PhiCap HD SIG 525V 50Hz 15 kvar 3PH	B32448H5152A 25	525	16.5	3 x 57.7	85 x 270	1	1	4,740.75
16.7	PhiCap HD SIG 525V 50Hz 16.7 kvar 3PH	B32448H5162A725	525	18.4	3 x 64.3	85 x 270	1	1	5,267.74
20.0	PhiCap HD SIG 525V 50Hz 20 kvar 3PH	B32448H5202A 25	525	22.0	3 x 77	90 x 270	1	1	6,308.69
25.0	PhiCap HD SIG 525V 50Hz 25 kvar 3PH	B32448H5252A 25	525	27.5	3 x 96.2	90 x 348	1	1	7,885.85
26.5	PhiCap HD SIG 525V 50Hz 26.5 kvar 3PH	B32448H5262A525	525	29.1	3 x 102	90 x 348	1	1	8,359.01
30.0	PhiCap HD SIG 525V 50Hz 30 kvar 3PH	B32448H5302A 25	525	33.0	3 x 115.5	116 x 280	1	1	9,463.03
33.1	PhiCap HD SIG 525V 50Hz 33.1 kvar 3PH	B32448H5332A125	525	36.4	3 x 127.4	116 x 280	1	1	10,440.86

## PFC Capacitors &amp; Key Components

# Superior Solutions for Power Factor Correction



World-class EPCOS brand PFC capacitors and key components with , IEC and VDE certifications\*, manufactured in State-of-the-art automated production facilities



## TDK PFC Capacitors

- **PhiCap®**  
TDK quality and cost effectiveness: Capacitors to meet both the aspects
- **PhaseCap®**  
New generation of PFC capacitors based on successful PhaseCap® MKK® design; gas or resin filled
- **SquareCap®**  
Rectangular box type, self standing units. Modular construction with sheet metal enclosure
- **PoleCap®**  
Based on the PhaseCap and PhiCap technology, designed for outdoor, pole-mounted and fixed PFC applications


## EPCOS key components

- **Three-Phase Reactor**  
Anti-resonance three phase filter reactor used to prevent harmonic resonance and also harmonic overloading of capacitor banks
- **Power factor controllers**  
For real 1 or 3-phase measuring & monitoring and phase-specific power factor correction
- **Thyristor modules**  
Used for high frequency switching to ensure real time power factor correction. 10 to 100 kvar at 440 to 690 V AC; the EPCOS brand TSM range covers it all
- **Capacitor Duty Contractors**  
Used for enhancing life of the capacitors and improving power quality. Upto 100 kvar at 220 V to 690 V with highest reliability and minimal space requirements
- **LT – APP Capacitors**  
Low voltage robust capacitors, suitable for use in arduous applications including applications related to Tuned and Detuned Harmonic Filters

\* Certifications depending on type

# Film Capacitors

PFC Capacitors and Key Components

PhaseCap HD Capacitors		
	Series	PhaseCap HD B25669
	Technical data	35 to 50 KVAR Voltage: 415 V to 440 V
	Features	<ul style="list-style-type: none"> <li>• Manufactured using state-of-art wavecut technology for MPP film with heavy edge</li> <li>• Three-phase, delta connected</li> <li>• Self-healing technology</li> <li>• Naturally air cooled (or forced air cooling)</li> <li>• Indoor mounting</li> <li>• Temp class: -40/D</li> </ul>
	Specification	IEC 60831–1/2, UL 810-5th edition

Rating KVAR	Description	Material Code	Voltage	IR (A)	CN (μF)	d x h mm	Packing Units	MOQ	MRP per Pcs in INR
PhaseCap - 415, 440 V(AC) 3PH, 50Hz (Series B25669)									
50	PhaseCap HD 415V 50Hz 50 kvar 3PH	B25669L4927J375	415	72	3 x 308	136 x 355	1	2	19,791.82
35	PhaseCap HD 440V 50Hz 35 kvar 3PH	B25669L4577J375	440	46	3 x 192	136 x 317	1	2	13,854.25
40	PhaseCap HD 440V 50Hz 40 kvar 3PH	B25669L4657J375	440	52	3 x 219	136 x 317	1	2	15,833.46
50	PhaseCap HD 440V 50Hz 50 kvar 3PH	B25669L4827J375	440	66	3 x 274	136 x 355	1	2	19,791.82

# Film Capacitors

## PFC Capacitors and Key Components

### PhaseCap Energy Heavy Duty Capacitors



<b>Series</b>	PhaseCap Energy HD B25674L
<b>Technical data</b>	Single Units from 5 to 33,1 KVAR Voltage : 230V to 690V (800/1000V on request)
<b>Features</b>	<ul style="list-style-type: none"> <li>• Manufactured using state-of-art wavecut technology for MPP film with heavy edge</li> <li>• Self healing property</li> <li>• Low energy consumption</li> <li>• Capable of withstanding high inrush current</li> <li>• Dry-type, freedom from oil leakage</li> <li>• Three phase safety device in the form of pressure sensitive (over pressure) mechanical interrupter</li> <li>• Compact size and light weight</li> <li>• Temp class: -40/D</li> </ul>
<b>Specification</b>	Conformance to standards IEC 60831-1 & 2, IS:13340

Rating KVAR	Description	Material Code	Voltage	IR (A)	CN (μF)	d x h mm	Packing Units	MOQ	MRP per Pcs in INR
PhaseCap Energy HD - 415 V(AC) 3PH, 50Hz (Series B25674L)									
5.0	PhaseCap Energy HD 415V 50/60Hz 5/6 kvar 3PH	B25674L4052J 15	7	3 x 30.8	75 x 164	1	1	2,613.12	
6.3	PhaseCap Energy HD 415V 50/60Hz 6.3/7.6 kvar 3PH	B25674L4062J315	8.8	3 x 38.8	75 x 164	1	1	3,078.24	
7.5	PhaseCap Energy HD 415V 50/60Hz 7.5/9 kvar 3PH	B25674L4072J515	10.4	3 x 46.2	75 x 200	1	1	3,664.57	
8.3	PhaseCap Energy HD 415V 50/60Hz 8.3/10 kvar 3PH	B25674L4082J315	11.5	3 x 51.1	75 x 200	1	1	4,055.44	
10.4	PhaseCap Energy HD 415V 50/60Hz 10.4/12.5 kvar 3PH	B25674L4102J415	14.5	3 x 64.1	75 x 200	1	1	4,116.78	
12.5	PhaseCap Energy HD 415V 50/60Hz 12.5/15 kvar3PH	B25674L4122J515	17.4	3 x 77.0	85 x 200	1	1	4,948.05	
15	PhaseCap Energy HD 415V 50/60Hz 15/18 kvar 3PH	B25674L4152J 15	20.9	3 x 92.4	85 x 200	1	1	5,937.67	
16.7	PhaseCap Energy HD 415V 50/60Hz16.7/20 kvar3PH	B25674L4162J715	23.2	3 x 102.9	100 x 207	1	1	6,610.59	
20	PhaseCap Energy HD 415V 50/60Hz 20/24 kvar 3PH	B25674L4202J 15	27.8	3 x 123.2	100 x 207	1	1	7,916.87	
25	PhaseCap Energy HD 415V 50/60Hz 25/30 kvar 3PH	B25674L4252J 15	34.8	3 x 154.0	116 x 192	1	1	9,896.10	
28.1	PhaseCap Energy HD 415V 50Hz 28.1 kvar 3PH	B25674L4282J115	39.1	3 x 173.1	116 x 207	1	1	11,123.21	
30	PhaseCap Energy HD 415V 50Hz 30 kvar 3PH	B25674L4302J 15	41.7	3 x 184.8	116 x 207	1	1	11,875.34	
33	PhaseCap Energy HD 415V 50Hz 33 kvar 3PH	B25674L4332J 15	45.9	3 x 203.3	116 x 224	1	1	13,062.87	
PhaseCap Energy HD - 440 V(AC) 3PH, 50Hz (Series B25674L)									
5.0	PhaseCap Energy HD 440V 50/60Hz 5/6 kvar 3PH	B25674L4052J 40	6.6	3 x 27.4	75 x 164	1	1	2,613.12	
6.0	PhaseCap Energy HD 440V 50/60Hz6/7.2 kvar 3PH	B25674L4062J 40	7.9	3 x 32.9	75 x 164	1	1	2,931.63	
6.3	PhaseCap Energy HD 440V 50/60Hz6.3/7.6 kvar 3PH	B25674L4062J340	8.3	3 x 34.5	75 x 164	1	1	3,078.24	
7.0	PhaseCap Energy HD 440V 50/60Hz 7/8.4 kvar 3PH	B25674L4072J 40	9.2	3 x 38.4	75 x 200	1	1	3,420.26	
7.5	PhaseCap Energy HD 440V 50/60Hz 7.5/9 kvar 3PH	B25674L4072J540	9.8	3 x 41.1	75 x 200	1	1	3,664.57	
8.0	PhaseCap Energy HD 440V 50/60Hz 8/9.6 kvar 3PH	B25674L4082J 40	10.5	3 x 43.8	75 x 200	1	1	3,908.85	
10	PhaseCap Energy HD 440V 50/60Hz10/12 kvar 3PH	B25674L4102J 40	13.1	3 x 54.8	75 x 200	1	1	3,958.44	
12.5	PhaseCap Energy HD 440V 50/60Hz12.5/15 kvar 3PH	B25674L4122J540	16.4	3 x 68.5	85 x 200	1	1	4,948.05	
14.2	PhaseCap Energy HD 440V 50/60Hz14.2/17 kvar 3PH	B25674L4142J240	18.6	3 x 77.8	85 x 200	1	1	5,620.98	
15	PhaseCap Energy HD 440V 50/60Hz15/18 kvar 3PH	B25674L4152J 40	19.7	3 x 82.2	85 x 218	1	1	5,937.67	
18.8	PhaseCap Energy HD 440V 50/60Hz18.8/22.6 kvar 3PH	B25674L4182J840	24.7	3 x 103.0	100 x 207	1	1	7,441.87	
20	PhaseCap Energy HD 440V 50/60Hz 20/24 kvar 3PH	B25674L4202J 40	26.2	3 x 109.6	100 x 207	1	1	7,916.87	



# Film Capacitors

## PFC Capacitors and Key Components

Rating KVAR	Description	Material Code	Voltage	IR (A)	CN (μF)	d x h mm	Packing Units	MOQ	MRP per Pcs in INR
PhaseCap Energy HD - 440 V(AC) 3PH, 50Hz (Series B25674L)									
25	PhaseCap Energy HD 440V 50/60Hz25/30 kvar 3PH	B25674L4252J 40	32.8	3 x 137.0	116 x 192	1	1	9,896.10	
28.1	PhaseCap Energy HD 440V 50Hz 28.1 kvar 3PH	B25674L4282J140	36.9	3 x 154.0	116 x 207	1	1	11,123.21	
30	PhaseCap Energy HD 440V 50Hz 30 kvar 3PH	B25674L4302J040	39.4	3 x 164.4	125 x 192	1	1	11,875.34	
33.1	PhaseCap Energy HD 440V 50Hz 33.1 kvar 3PH	B25674L4332J140	43.4	3 x 181.4	116 x 224	1	1	13,102.4	
PhaseCap Energy HD - 480 V(AC) 3PH, 50Hz (Series B25674L)									
5.0	PhaseCap Energy HD 480V 50/60Hz 5/6 kvar 3PH	B25674L4052J 80	6.0	3 x 23.0	75 x 164	1	1	2,613.12	
6.3	PhaseCap Energy HD 480V 50/60Hz6.3/7.6kvar3PH	B25674L4062J380	7.6	3 x 29.0	75 x 164	1	1	3,078.24	
7.5	PhaseCap Energy HD 480V 50/60Hz 7.5/9 kvar 3PH	B25674L4072J580	9.0	3 x 34.5	75 x 200	1	1	3,664.57	
8.3	PhaseCap Energy HD 480V 50/60Hz8.3/10 kvar 3PH	B25674L4082J380	10.0	3 x 38.2	75 x 200	1	1	4,055.44	
10.4	PhaseCap Energy HD 480V 50/60Hz 10.4/12.5 kvar 3PH	B25674L4102J480	12.5	3 x 47.9	75 x 200	1	1	4,116.78	
11.0	PhaseCap Energy HD 480V 50/60Hz11/13.2 kvar 3PH	B25674L4112J 80	13.2	3 x 50.7	85 x 200	1	1	4,354.27	
12.5	PhaseCap Energy HD 480V 50/60Hz12.5/15 kvar 3PH	B25674L4122J580	15.0	3 x 57.6	85 x 200	1	1	4,948.05	
13.8	PhaseCap Energy HD 480V 50/60Hz 13.8/16.6 kvar 3PH	B25674L4132J880	16.6	3 x 63.5	85 x 200	1	1	5,462.63	
15.0	PhaseCap Energy HD 480V 50/60Hz 15/18 kvar 3PH	B25674L4152J 80	18.0	3 x 69.1	100 x 207	1	1	5,937.67	
16.7	PhaseCap Energy HD 480V 50/60Hz16.7/20 kvar 3PH	B25674L4162J780	20.1	3 x 76.9	100 x 207	1	1	6,610.59	
20.0	Phasecap Energy HD 480V 50/60Hz 20/24 kvar 3PH	B25674L4202J 80	24.1	3 x 92.1	100 x 207	1	1	7,916.87	
20.8	PhaseCap Energy HD 480V 50/60Hz 20.8/25 kvar 3PH	B25674L4202J880	25.0	3 x 95.8	116 x 207	1	1	8,233.56	
22.0	Phasecap Energy HD 480V 50/60Hz22/26.4 kvar 3PH	B25674L4222J 80	26.5	3 x 101.3	116 x 207	1	1	8,708.57	
25.0	PhaseCap Energy HD 480V 50/60Hz 25/30 kvar 3PH	B25674L4252J 80	30.1	3 x 115.1	116 x 192	1	1	9,896.10	
28.1	PhaseCap Energy HD 480V 50Hz 28.1 kvar 3PH	B25674L4282J180	33.8	3 x 129.4	116 x 207	1	1	11,123.21	
31.0	PhaseCap Energy HD 480V 50Hz 31 kvar 3PH	B25674L4312J80	37.3	3 x 142.7	125 x 192	1	1	12,271.17	
33.0	PhaseCap Energy HD 480V 50Hz 33 kvar 3PH	B25674L4332J 80	39.7	3 x 152.0	116 x 224	1	1	13,062.87	
PhaseCap Energy HD - 525 V(AC) 3PH, 50Hz (Series B25674L)									
5.0	PhaseCap Energy HD 525V 50/60Hz 5/6 kvar 3PH	B25674L5052J 25	5.5	3 x 19.2	75 x 164	1	1	2,613.12	
6.3	Phasecap Energy HD 525V 50/60Hz6.3/7.6 kvar 3PH	B25674L5062J325	6.9	3 x 24.2	75 x 164	1	1	3,078.24	
7.5	Phasecap Energy HD 525V 50/60Hz 7.5/9 kvar 3PH	B25674L5072J525	8.2	3 x 28.9	75 x 185	1	1	3,664.57	
8.3	PhaseCap Energy HD 525V 50/60Hz 8.3/10 kvar 3PH	B25674L5082J325	9.1	3 x 31.9	75 x 200	1	1	4,055.44	
10.4	PhaseCp Energy HD 525 V50/60Hz10.4/12.5 kvar 3PH	B25674L5102J425	11.4	3 x 40.0	85 x 185	1	1	4,116.78	
12.5	PhaseCap Energy HD 525V 50/60Hz12.5/15 kvar 3PH	B25674L5122J525	13.7	3 x 48.1	85 x 200	1	1	4,948.05	
13.2	PhseCap Energy HD 525V 50/60Hz13.2/15.8 kvar 3PH	B25674L5132J225	14.6	3 x 50.8	85 x 200	1	1	5,225.14	
15.0	PhaseCap Energy HD 525V 50/60Hz 15/18 kvar 3PH	B25674L5152J 25	16.5	3 x 57.7	85 x 218	1	1	5,937.67	
16.7	PhaseCap Energy HD 525V 50/60Hz16.7/20 kvar 3PH	B25674L5162J725	18.4	3 x 64.3	100 x 207	1	1	6,610.59	
20.0	PhaseCap Energy HD 525V 50/60Hz 20/24 kvar 3PH	B25674L5202J 25	22.0	3 x 77.0	100 x 224	1	1	7,916.87	
20.8	PhaseCap Energy HD 525V 50/60Hz20.8/25 kvar 3PH	B25674L5202J825	22.9	3 x 80.1	100 x 224	1	1	8,233.56	
25.0	PhaseCap Energy HD 525V 50/60Hz 25/30 kvar 3PH	B25674L5252J 25	27.5	3 x 96.2	116 x 207	1	1	9,896.10	
26.5	PhasCap Energy HD 525V 50/60Hz26.5/31.8 kvar 3PH	B25674L5262J525	29.1	3 x 102.0	116 x 207	1	1	10,489.88	
33.1	PhaseCap Energy HD 525V 50Hz 33.1 kvar 3PH	B25674L5332J125	36.4	3 x 127.4	136 x 192	1	1	13,102.44	

# Film Capacitors

PFC Capacitors and Key Components

Rating KVAR	Description	Material Code	Voltage	IR (A)	CN (μF)	d x h mm	Packing Units	MOQ	MRP per Pcs in INR
PhaseCap Energy HD - 690 V(AC) 3PH, 50Hz (Series B25674L)									
5.3	PhaseCap Energy HD 690V 50/60Hz 5.3/6.4 kvar 3PH	B25674L6052J390	4.4	3 x 11.8	75 x 185	1	1	3,179.70	
10.4	PhaseCap Energy HD 690V 50/60Hz 10.4/12.5 kvar 3PH	B25674L6102J490	8.7	3 x 23.2	75 x 200	1	1	4,534.80	
12.5	PhaseCap Energy HD 690V 50/60Hz12.5/15 kvar 3PH	B25674L6122J590	10.5	3 x 27.9	85 x 200	1	1	5,450.48	
14.6	PhaseCap Energy HD 690V 50/60Hz 14.6/17.5 kvar 3PH	B25674L6142J690	12.2	3 x 32.5	100 x 207	1	1	6,366.16	
20.0	PhaseCap Energy HD 690V 50/60Hz 20/24 kvar 3PH	B25674L6202J 90	16.7	3 x 44.6	100 x 207	1	1	8,720.77	
25.0	PhaseCap Energy HD 690V 50/60Hz25/30 kvar 3PH	B25674L6252J 90	20.9	3 x 55.7	116 x 192	1	1	10,900.96	

# Film Capacitors

## PFC Capacitors and Key Components

### PhaseCap Super Heavy Duty Capacitors



<b>Series</b>	PhaseCap SHD B25675L
<b>Technical data</b>	5 to 33.1 KVAR Voltage : 230V to 690V (800/1000V on request)
<b>Features</b>	<ul style="list-style-type: none"> <li>• Manufactured using state-of-art wavecut technology for MPP film with heavy edge</li> <li>• Self healing property</li> <li>• Low energy consumption</li> <li>• Capable of withstanding high inrush current (Upto 500 IR)</li> <li>• Very High life expectancy of over 2,00,000 operating hours (-40/D)</li> <li>• Capable for 15000 switching per year to handle dynamic loads</li> <li>• Three phase safety device in the form of pressure sensitive (over pressure) mechanical interrupter</li> <li>• Compact size and light weight</li> <li>• Soft biodegradable resin as impregnant.</li> <li>• Temp class: -40° C to 60° C</li> </ul>
<b>Specification</b>	Conformance to standards IEC 60831-1 & 2, EN60831-1 & 2, IS:13340

Rating KVAR	Description	Material Code	Voltage	IR (A)	CN (μF)	d x h mm	Packing Units	MOQ	MRP per Pcs in INR
PhaseCap SHD - 415 V(AC) 3PH, 50Hz (Series B25675L)									
5.0	PhaseCap SHD 415V 50/60Hz 5/6 kvar 3PH	B25675L4052J 15	7.0	3 x 30.8	75 x 164	1	1	2,350.32	
6.3	PhaseCap SHD 415V 50/60Hz 6.3/7.6 kvar3PH	B25675L4062J315	8.8	3 x 38.8	75 x 164	1	1	2,961.39	
7.5	PhaseCap SHD 415V 50/60Hz 7.5/9 kvar 3PH	B25675L4072J515	10.4	3 x 46.2	75 x 200	1	1	3,525.49	
10.0	PhaseCap SHD 415V 50/60Hz 10/12 kvar 3PH	B25675L4102J 15	13.9	3 x 61.6	75 x 200	1	1	3,741.81	
12.5	PhaseCap SHD 415V 50/60Hz 12.5/15 kvar3PH	B25675L4122J515	17.4	3 x 77.0	85 x 200	1	1	4,677.22	
15.0	PhaseCap SHD 415V 50/60Hz 15/18 kvar 3PH	B25675L4152J 15	20.9	3 x 92.4	85 x 200	1	1	5,612.67	
20.0	PhaseCap SHD 415V 50/60Hz 20/24 kvar 3PH	B25675L4202J 15	27.8	3 x 123.2	100 x 207	1	1	7,483.56	
25.0	PhaseCap SHD 415V 50/60Hz 25/30 kvar 3PH	B25675L4252J 15	34.8	3 x 154.0	116 x 192	1	1	9,354.47	
28.1	PhaseCap SHD 415V 50Hz 28.1 kvar 3PH	B25675L4282J115	39.1	3 x 173.1	116 x 207	1	1	10,514.43	
30.0	PhaseCap SHD 415V 50Hz 30 kvar 3PH	B25675L4302J 15	41.7	3 x 184.8	116 x 207	1	1	11,225.35	
33.0	PhaseCap SHD 415V 50Hz 33 kvar 3PH	B25675L4332J 15	45.9	3 x 203.3	116 x 224	1	1	12,347.91	
PhaseCap SHD - 440 V(AC) 3PH, 50Hz (Series B25675L)									
1.0	PhaseCap SHD 440V 50/60HZ 1/1.2 kvar 3PH	B25675L4012J 40	1.3	3 x 5.5	53 x 117	12	12	714.35	
2.0	PhaseCap SHD 440V 50/60HZ 2/2.4 kvar 3PH	B25675L4022J 40	2.6	3 x 11.0	53 x 129	12	12	940.13	
3.0	PhaseCap SHD 440V 50/60HZ 3/3.6 kvar 3PH	B25675L4032J 40	3.9	3 x 16.4	53 x 129	12	12	1,410.19	
4.0	PhaseCap SHD 440V 50/60HZ 4/4.8 kvar 3PH	B25675L4042J 40	5.2	3 x 21.9	63.5 x 152	12	12	1,880.26	
5.0	PhaseCap SHD 440V 50/60Hz 5/6 kvar 3PH	B25675L4061J 40	6.6	3 x 27.4	63.5 x 152	12	12	2,350.32	
7.5	PhaseCap SHD 440V 50/60Hz 7.5/9 kvar 3PH	B25675L4072J540	9.8	3 x 41.1	75 x 200	1	1	3,525.49	
10.0	PhaseCap SHD 440V 50/60Hz 10/12 kvar 3PH	B25675L4102J 40	13.1	3 x 54.8	75 x 200	1	1	3,741.77	
12.5	PhaseCapSHD 440V 50/60Hz 12.5/15 kvar 3PH	B25675L4122J540	16.4	3 x 68.5	85 x 200	1	1	4,677.22	
15.0	PhaseCap SHD 440V 50/60Hz 15/18 kvar 3PH	B25675L4152J 40	19.7	3 x 82.2	85 x 218	1	1	5,612.67	
20.0	PhaseCap SHD 440V 50/60Hz 20/24 kvar 3PH	B25675L4202J 40	26.2	3 x 109.6	100 x 207	1	1	7,483.56	
25.0	PhaseCap SHD 440V 50/60Hz 25/30 kvar 3PH	B25675L4252J 40	32.8	3 x 137.0	116 x 192	1	1	9,354.47	
28.1	PhaseCap SHD 440V 50Hz 28.1 kvar 3PH	B25675L4282J140	36.9	3 x 154.0	116 x 207	1	1	10,514.43	
30.0	PhaseCap SHD 440V 50Hz 30 kvar 3PH	B25675L4302J 40	39.4	3 x 164.4	125 x 192	1	1	11,225.35	
33.1	PhaseCap SHD 440V 50Hz 33.1 kvar 3PH	B25675L4332J140	43.4	3 x 181.4	116 x 224	1	1	12,385.31	

# Film Capacitors

## PFC Capacitors and Key Components

Rating KVAR	Description	Material Code	Voltage	IR (A)	CN (μF)	d x h mm	Packing Units	MOQ	MRP per Pcs in INR
PhaseCap SHD - 480 V(AC) 3PH, 50Hz (Series B25675L)									
5.0	PhaseCap SHD 480V 50/60Hz 5/6 kvar 3PH	B25675L4052J 80	6.0	3 x 23.0	75 x 164	1	1	2,350.32	
5.5	PhaseCap SHD 480V 50/60Hz 5.5/6.6 kvar 3PH	B25675L4052J580	6.6	3 x 25.3	75 x 164	1	1	2,585.36	
6.3	PhaseCap SHD 480V 50/60Hz6.3/7.6 kvar 3PH	B25675L4062J380	7.6	3 x 29.0	75 x 164	1	1	2,961.39	
8.3	PhaseCap SHD 480V 50/60Hz 8.3/10 kvar 3PH	B25675L4082J380	10.0	3 x 38.2	75 x 200	1	1	3,901.40	
10.4	PhaseCap SHD 480V 50/60Hz10.4/12.5 kvar 3PH	B25675L4102J480	12.5	3 x 47.9	75 x 200	1	1	3,891.44	
11.0	PhaseCap SHD 480V50/60Hz 11/13.2 kvar 3PH	B25675L4112J 80	13.2	3 x 50.7	85 x 200	1	1	4,115.95	
12.5	PhaseCap SHD 480V50/60Hz 12.5/15 kvar 3PH	B25675L4122J580	15.0	3 x 57.6	85 x 200	1	1	4,677.22	
13.8	PhaseCap SHD 480V50/60Hz13.8/16.6 kvar 3PH	B25675L4132J880	16.6	3 x 63.5	85 x 200	1	1	5,163.65	
15.0	PhaseCap SHD 480V 50/60Hz 15/18 kvar 3PH	B25675L4152J 80	18.0	3 x 69.1	100 x 207	1	1	5,612.67	
16.7	PhaseCap SHD 480V 50/60Hz 16.7/20 kvar 3PH	B25675L4162J780	20.1	3 x 76.9	100 x 207	1	1	6,248.78	
18.7	PhaseCap SHD 480V50/60Hz 18.7/22.4 kvar 3PH	B25675L4182J780	22.5	3 x 86.1	100 x 207	1	1	6,997.13	
20.0	PhaseCap SHD 480V 50/60Hz 20/24 kvar 3PH	B25675L4202J 80	24.1	3 x 92.1	100 x 207	1	1	7,483.56	
20.8	PhaseCap SHD 480V 50/60Hz20.8/25 kvar 3PH	B25675L4202J880	25.0	3 x 95.8	116 x 207	1	1	7,782.91	
22.0	PhaseCap SHD 480V 50/60Hz 22/26.4 kvar 3PH	B25675L4222J 80	26.5	3 x 101.3	116 x 207	1	1	8,231.93	
25.0	PhaseCap SHD 480V 50/60Hz 25/30 kvar 3PH	B25675L4252J 80	30.1	3 x 115.1	116 x 192	1	1	9,354.47	
28.1	PhaseCap SHD 480V 50Hz 28.1 kvar 3PH	B25675L4282J180	33.8	3 x 129.4	116 x 207	1	1	10,514.43	
31.0	PhaseCap SHD 480V 50Hz 31 kvar 3PH	B25675L4312J 80	37.3	3 x 142.7	116 x 224	1	1	11,599.54	
33.0	PhaseCap SHD 480V 50Hz 33 kvar 3PH	B25675L4332J 80	39.7	3 x 152.0	116 x 224	1	1	12,347.91	
PhaseCap SHD - 525 V(AC) 3PH, 50Hz (Series B25675L)									
5.0	PhaseCap SHD 525V 50/60Hz 5/6 kvar 3PH	B25675L5052J 25	5.5	3 x 19.2	75 x 164	1	1	2,350.32	
6.3	PhaseCap SHD 525V 50/60Hz 6.3/7.6 kvar 3PH	B25675L5062J325	6.9	3 x 24.2	75 x 164	1	1	2,961.39	
8.3	PhaseCap SHD 525V 50/60Hz 8.3/10 kvar 3PH	B25675L5082J325	9.1	3 x 31.9	75 x 200	1	1	3,901.40	
10.4	PhaseCap SHD525V50/60Hz 10.4/12.5 kvar 3PH	B25675L5102J425	11.4	3 x 40.0	85 x 185	1	1	3,891.44	
12.5	PhaseCap SHD 525V 50/60Hz 12.5/15 kvar 3PH	B25675L5122J525	13.7	3 x 48.1	85 x 200	1	1	4,677.22	
13.2	PhaseCap SHD 525V 50/60Hz13.2/15.8 kvar 3PH	B25675L5132J225	14.6	3 x 50.8	85 x 200	1	1	4,939.16	
15.0	PhaseCap SHD 525V 50/60Hz 15/18 kvar 3PH	B25675L5152J 25	16.5	3 x 57.7	85 x 218	1	1	5,612.67	
16.7	PhaseCap SHD 525V 50/60Hz 16.7/20 kvar 3PH	B25675L5162J725	18.4	3 x 64.3	100 x 207	1	1	6,248.78	
20.0	PhaseCap SHD 525V 50/60Hz 20/24 kvar 3PH	B25675L5202J 25	22.0	3 x 77.0	100 x 224	1	1	7,483.56	
25.0	PhaseCap SHD 525V 50/60Hz 25/30 kvar 3PH	B25675L5252J 25	27.5	3 x 96.2	116 x 207	1	1	9,354.47	
26.5	PhaseCap SHD525V 50/60Hz 26.5/31.8 kvar 3PH	B25675L5262J525	29.1	3 x 102.0	116 x 207	1	1	9,915.73	
30.0	PhaseCap SHD 525V 50Hz 30 kvar 3PH	B25675L5302J 25	33.0	3 x 115.5	125 x 207	1	1	11,225.42	
33.1	PhaseCap SHD 525V 50Hz 33.1 kvar 3PH	B25675L5332J125	36.4	3 x 127.4	136 x 192	1	1	12,385.31	
37.1	PhaseCap SHD 525V 50Hz 37.1 kvar 3PH	B25675L5372J125	40.8	3 x 142.8	136 x 224	1	1	13,882.04	



# Film Capacitors

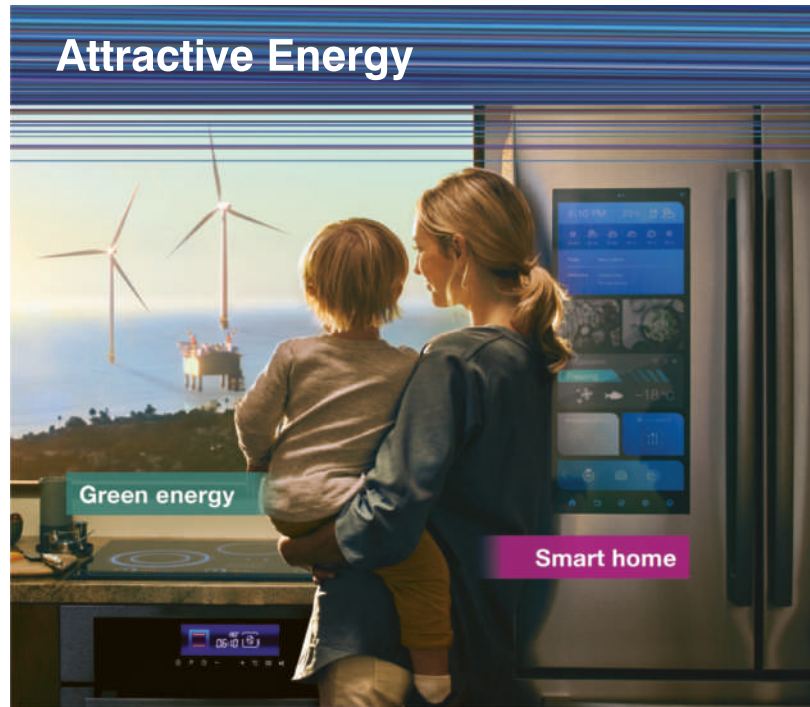
PFC Capacitors and Key Components

Rating KVAR	Description	Material Code	Voltage	IR (A)	CN (μF)	d x h mm	Packing Units	MOQ	MRP per Pcs in INR
PhaseCap SHD - 690, 800 V(AC) 3PH, 50Hz (Series B25675L)									
5.3	PhaseCap SHD 690V 50/60Hz 5.3/6.4 kvar 3PH	B25675L6052J390	4.4	3 x 11.8	75 x 185	1	1	2,753.53	
6.9	PhaseCap SHD 690V 50/60Hz 6.9/8.3 kvar 3PH	B25675L6062J990	5.8	3 x 15.4	75 x 200	1	1	3,584.78	
10.4	PhaseCap SHD 690V 50/60Hz 10.4/12.5 kvar 3PH	B25675L6102J490	8.7	3 x 23.2	75 x 200	1	1	4,406.29	
12.5	PhaseCap SHD 690V 50/60Hz 12.5/15 kvar 3PH	B25675L6122J590	10.5	3 x 27.9	85 x 200	1	1	5,296.01	
14.6	PhaseCap SHD 690V 50/60Hz 14.6/17.5 kvar 3PH	B25675L6142J690	12.2	3 x 32.5	100 x 207	1	1	6,185.73	
20.0	PhaseCap SHD 690V 50/60Hz 20/24 kvar 3PH	B25675L6202J 90	16.7	3 x 44.6	100 x 207	1	1	8,473.61	
25.0	PhaseCap SHD 690V 50/60Hz 25/30 kvar 3PH	B25675L6252J 90	20.9	3 x 55.7	116 x 192	1	1	10,592.00	
28.0	PhaseCap SHD 690V 50/60Hz 28 kvar 3PH	B25675L6282J 90	23.4	3 x 62.4	116 x 207	1	1	11,862.84	
12.5	PhaseCap SHD 800V 50HZ 12.5 kvar 3PH	B25675L8122J500	9.0	3 x 20.7	100 x 224	1	1	5,295.89	
20.0	PhaseCap SHD 800V 50HZ 20 kvar 3PH	B25675L8202J	14.4	3 x 33.2	116 x 224	1	1	8,473.44	
25.0	PhaseCap SHD 800V 50HZ 25 kvar 3PH	B25675L8252J	18.0	3 x 41.4	116 x 224	1	1	10,591.80	

## Attractive Connections



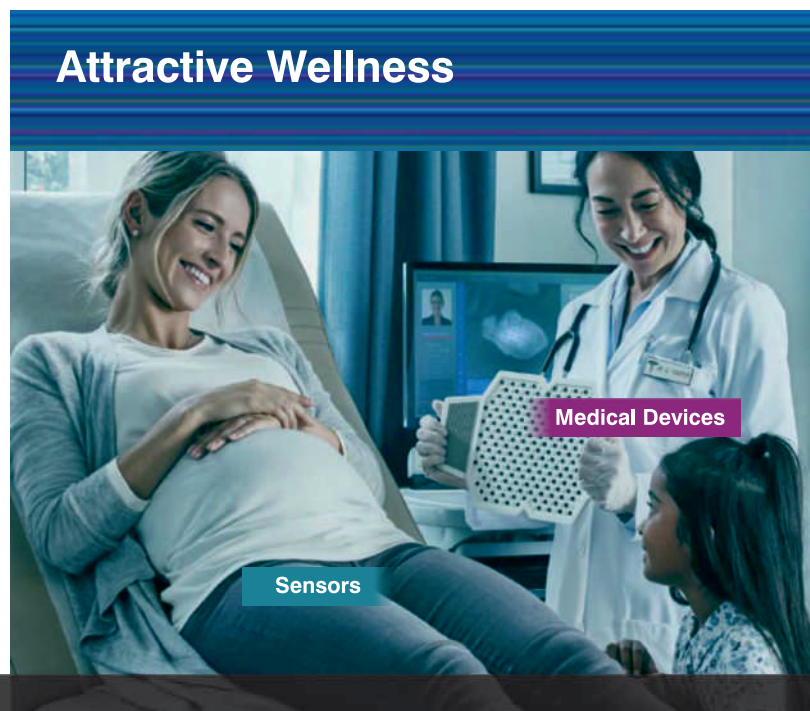
## Attractive Energy



## Attractive Mobility



## Attractive Wellness




**TDK technologies  
are part of our daily lives**

# Film Capacitors

## PFC Capacitors and Key Components

### SquareCap Capacitors - ENDC

	Series	SquareCap ENDC B32457
	Technical data	Single units up to 50 kVAr Voltage: 415V to 440V
	Features	<ul style="list-style-type: none"> <li>• Manufactured using state-of-art wavecut technology for MPP film with heavy edge</li> <li>• Self healing property</li> <li>• Low energy consumption</li> <li>• Easy &amp; quick reparability at site.</li> <li>• Three phase safety device in the form of pressure sensitive (over pressure) mechanical interrupter.</li> <li>• Compact size and light weight</li> <li>• Soft biodegradable resin as impregnant.</li> <li>• Temp class: -10/D</li> </ul>
	Specification	Conformance to standards IEC 60831-1 & 2, EN60831-1 & 2, IS:13340

Rating KVAR	Description	Material Code	Voltage	IR (A)	CN (μF)	d x h mm	Packing Units	MOQ	MRP per Pcs in INR
<b>SquareCap ENDC - 415 V(AC) 3PH, 50Hz (Series B32457)</b>									
1.0	New SQR ENDC 415V 50Hz-1 kvar 3PH	B32457P4001A 11	415	1.4	3 x 6.2	95 x 125 x 45	1	40	660.49
2.0	New SQR ENDC 415V 50Hz-2 kvar 3PH	B32457P4002A 11	415	2.8	3 x 12.3	120 x 125 x 45	1	40	813.83
3.0	New SQR ENDC 415V 50Hz-3 kvar 3PH	B32457P4003A 11	415	4.2	3 x 18.5	120 x 145 x 55	1	40	1,096.90
4.0	New SQR ENDC 415V 50Hz-4 kvar 3PH	B32457P4004A 11	415	5.6	3 x 24.7	140 x 145 x 55	1	20	1,462.54
5.0	SQR ENDC 415V 50Hz-5 kvar 3PH	B32457L4005A 11	415	7.0	3 x 30.8	240 x 185 x 60	1	20	1,828.17
6.0	SQR ENDC 415V 50Hz-6 kvar 3 PH	B32457L4006A 11	415	8.3	3 x 37	282 x 185 x 60	1	5	2,193.80
7.0	SQR ENDC 415V 50Hz-7 kvar 3PH	B32457L4007A 11	415	9.7	3 x 43.1	282 x 185 x 60	1	5	2,559.44
7.5	SQR ENDC 415V 50Hz-7.5 kvar 3PH	B32457L4007A511	415	10.4	3 x 46.2	282 x 185 x 60	1	5	2,742.25
8.0	SQR ENDC 415V 50Hz-8 kvar 3PH	B32457L4008A 11	415	11.1	3 x 49.3	282 x 185 x 60	1	5	2,925.07
10	SQR ENDC 415V 50Hz-10 kvar 3PH	B32457L4010A 11	415	13.9	3 x 61.6	282 x 185 x 60	1	5	3,184.44
12.5	SQR ENDC 415V 50Hz-12.5 kvar 3PH	B32457L4012A511	415	17.4	3 x 77	300 x 240 x 80	1	5	3,980.54
15	SQR ENDC 415V 50Hz-15 kvar 3PH	B32457L4015A 11	415	20.9	3 x 92.5	300 x 240 x 80	1	2	4,776.66
20	SQR ENDC 415V 50Hz-20 kvar 3PH	B32457L4020A 11	415	27.8	6 x 61.6	300 x 240 x 160	1	2	6,368.88
25	SQR ENDC 415V 50Hz-25 kvar 3PH	B32457L4025A 11	415	34.8	6 x 77	300 x 240 x 160	1	2	7,961.09
30	SQR ENDC 415V 50Hz-30 kvar 3PH	B32457L4030A 11	415	41.7	6 x 92.5	300 x 240 x 160	1	2	9,553.31
50	SQR ENDC 415V 50Hz-50 kvar 3PH	B32457L4050A 11	415	69.6	12 x 77	350 x 240 x 320	1	2	15,922.19
<b>SquareCap ENDC - 440 V(AC) 3PH, 50Hz (Series B32457)</b>									
1.0	New SQR ENDC 440V 50Hz-1 kvar 3PH	B32457P5001A 11	440	1.3	3 x 5.5	95 x 125 x 45	1	40	660.49
2.0	New SQR ENDC 440V 50Hz-2 kvar 3PH	B32457P5002A 11	440	2.6	3 x 11	120 x 125 x 45	1	40	813.83
3.0	New SQR ENDC 440V 50Hz-3 kvar 3PH	B32457P5003A 11	440	3.9	3 x 16.4	120 x 145 x 55	1	40	1,096.90
4.0	New SQR ENDC 440V 50Hz-4 kvar 3PH	B32457P5004A 11	440	5.2	3 x 21.9	140 x 145 x 55	1	20	1,462.54
5.0	SQR ENDC 440V 50Hz-5 kvar 3PH	B32457L5005A 11	440	6.6	3 x 27.4	240 x 185 x 60	1	20	1,828.17
6.0	SQR ENDC 440V 50Hz-6 kvar 3PH	B32457L5006A 11	440	7.9	3 x 32.9	282 x 185 x 60	1	5	2,193.80
7.0	SQR ENDC 440V 50Hz-7 kvar 3PH	B32457L5007A 11	440	9.2	3 x 38.4	282 x 185 x 60	1	5	2,559.44
7.5	SQR ENDC 440V 50Hz-7.5 kvar 3PH	B32457L5007A511	440	9.8	3 x 41.1	282 x 185 x 60	1	5	2,742.25

# Film Capacitors

## PFC Capacitors and Key Components

Rating KVAR	Description	Material Code	Voltage	IR (A)	CN (μF)	d x h mm	Packing Units	MOQ	MRP per Pcs in INR
<b>SquareCap ENDC - 440 V(AC) 3PH, 50Hz (Series B32457)</b>									
8.0	SQR ENDC 440V 50Hz-8 kvar 3PH	B32457L5008A 11	440	10.5	3 x 43.9	282 x 185 x 60	1	5	2,925.07
9.0	SQR ENDC 440V 50Hz-9 kvar 3PH	B32457L5009A 11	440	11.8	3 x 49.3	282 x 185 x 60	1	5	3,290.70
10	SQR ENDC 440V 50Hz-10 kvar 3PH	B32457L5010A 11	440	13.1	3 x 54.8	282 x 185 x 60	1	5	3,184.44
12.5	SQR ENDC 440V 50Hz-12.5 kvar 3PH	B32457L5012A511	440	16.4	3 x 68.5	300 x 240 x 80	1	5	3,980.54
15	SQR ENDC 440V 50Hz-15 kvar 3PH	B32457L5015A 11	440	19.7	3 x 82.2	300 x 240 x 80	1	5	4,776.66
20	SQR ENDC 440V 50Hz-20 kvar 3PH	B32457F5020A 11	440	26.2	3 x 109.7	300 x 240 x 80	1	2	6,368.88
25	SQR ENDC 440V 50Hz-25 kvar 3PH	B32457F5025A 11	440	32.8	3 x 137.1	300 x 240 x 80	1	2	7,961.09
30	SQR ENDC 440V 50Hz-30 kvar 3PH	B32457L5030A 11	440	39.4	6 x 82.2	300 x 240 x 160	1	2	9,553.31
35	SQR ENDC 440V 50Hz-35 kvar 3PH	B32457F5035A 11	440	45.9	6 x 96	300 x 240 x 160	1	2	11,145.53
40	SQR ENDC 440V 50Hz-40 kvar 3PH	B32457F5040A 11	440	52.5	6 x 109.7	300 x 240 x 160	1	2	12,738.08
50	SQR ENDC 440V 50Hz-50 kvar 3PH	B32457F5050A 11	440	65.6	6 x 137.1	300 x 240 x 160	1	2	15,922.19



# Film Capacitors

## PFC Capacitors and Key Components

### SquareCap Capacitors - EHDLL

	<b>Series</b>	SquareCap EHDLL B32459
	<b>Technical data</b>	Single units up to 50 kVAr Voltage: 415V to 525V
	<b>Features</b>	<p>Manufactured using state-of-art metalisation process for MPP film with heavy edge.</p> <ul style="list-style-type: none"> <li>• Heavy Duty long life capacitors.</li> <li>• Self healing property.</li> <li>• Low energy consumption.</li> <li>• PU resin as impregnant.</li> <li>• Safety device in the form of pressure sensitive (over pressure) mechanical interrupter.</li> <li>• Simplified modular construction using hermetically sealed single phase basic capacitor cells.</li> <li>• Easy and quick reparability at site.</li> <li>• Temp class: -10/D.</li> </ul>
	<b>Specification</b>	Conformance to standards IEC 60831-1 & 2, EN60831-1 & 2, IS:13340

Rating KVAR	Description	Material Code	Voltage	IR (A)	CN (μF)	d x h mm	Packing Units	MOQ	MRP per Pcs in INR
<b>SquareCap EHDLL - 415 V(AC) 3PH, 50Hz (Series B32459)</b>									
1.0	SQR EHDLL 415V 50HZ-1 kvar 3PH	B32459L4001A 11	415	1.4	3 x 6.2	170 x 125 x 45	1	24	1,011.39
2.0	SQR EHDLL 415V 50HZ-2 kvar 3PH	B32459L4002A 11	415	2.8	3 x 12.3	170 x 125 x 45	1	24	1,297.39
3.0	SQR EHDLL 415V 50HZ-3 kvar 3PH	B32459L4003A 11	415	4.2	3 x 18.5	240 x 185 x 60	1	20	1,946.08
4.0	SQR EHDLL 415V 50HZ-4 kvar 3PH	B32459L4004A 11	415	5.6	3 x 24.7	240 x 185 x 60	1	20	2,594.76
5.0	SQR EHDLL 415V 50HZ-5 kvar 3PH	B32459L4005A 11	415	7	3 x 30.8	240 x 185 x 60	1	6	2,300.00
7.0	SQR EHDLL 415V 50HZ-7 kvar 3PH	B32459L4007A 11	415	9.7	3 x 43.1	300 x 240 x 80	1	6	3,220.00
7.5	SQR EHDLL 415V 50HZ-7,5 kvar 3PH	B32459L4007A511	415	10.4	3 x 46.2	300 x 240 x 80	1	6	3,449.99
10	SQR EHDLL 415V 50HZ-10 kvar 3PH	B32459L4010A 11	415	13.9	3 x 61.6	300 x 240 x 80	1	4	4,600.00
12.5	SQR EHDLL 415V 50HZ-12,5 kvar 3PH	B32459L4012A511	415	17.4	3 x 77	300 x 240 x 80	1	4	5,750.01
15	SQR EHDLL 415V 50HZ-15 kvar 3PH	B32459L4015A 11	415	20.9	3 x 92.5	300 x 240 x 80	1	4	6,900.00
20	SQR EHDLL 415V 50Hz-20 kvar 3PH	B32459L4020A 11	415	27.8	6 x 61.6	300 x 240 x 160	1	4	9,199.99
25	SQR EHDLL 415V 50HZ-25 kvar 3PH	B32459L4025A 11	415	34.8	6 x 77	300 x 240 x 160	1	2	11,499.99
30	SQR EHDLL 415V 50HZ-30 kvar 3PH	B32459L4030A 11	415	41.7	6 x 92.5	300 x 240 x 160	1	2	13,799.99
40	SQR EHDLL 415V 50HZ-40 kvar 3PH	B32459L4040A 11	415	55.6	12 x 61.6	350 x 240 x 320	1	2	18,399.99
50	SQR EHDLL 415V 50HZ-50 kvar 3PH	B32459L4050A 11	415	69.6	12 x 77	350 x 240 x 320	1	2	22,999.98
<b>SquareCap EHDLL - 440 V(AC) 3PH, 50Hz (Series B32459)</b>									
1.0	SQR EHDLL 440V 50HZ-1 kvar 3PH	B32459L5001A 11	440	1.3	3 x 5.5	170 x 125 x 45	1	24	1,011.39
2.0	SQR EHDLL 440V 50HZ-2 kvar 3PH	B32459L5002A 11	440	2.6	3 x 11	170 x 125 x 45	1	24	1,297.38
3.0	SQR EHDLL 440V 50HZ-3 kvar 3PH	B32459L5003A 11	440	3.9	3 x 16.4	240 x 185 x 60	1	20	1,946.08
4.0	SQR EHDLL 440V 50HZ-4 kvar 3PH	B32459L5004A 11	440	5.2	3 x 21.9	240 x 185 x 60	1	20	2,594.76
5.0	SQR EHDLL 440V 50HZ-5 kvar 3PH	B32459L5005A 11	440	6.6	3 x 27.4	240 x 185 x 60	1	10	2,300.00
6.0	SQR EHDLL 440V 50HZ-6 kvar 3PH	B32459L5006A 11	440	7.9	3 x 32.9	300 x 240 x 80	1	4	2,759.99
7.5	SQR EHDLL 440V 50HZ-7,5 kvar 3PH	B32459L5007A511	440	9.8	3 x 41.1	300 x 240 x 80	1	4	3,449.99
8.0	SQR EHDLL 440V 50HZ-8 kvar 3PH	B32459L5008A 11	440	10.5	3 x 43.9	300 x 240 x 80	1	4	3,679.99
10	SQR EHDLL 440V 50HZ-10 kvar 3PH	B32459L5010A 11	440	13.1	3 x 54.8	300 x 240 x 80	1	4	4,600.00
12.5	SQR EHDLL 440V 50HZ-12,5 kvar 3PH	B32459L5012A511	440	16.4	3 x 68.5	300 x 240 x 80	1	4	5,750.01

# Film Capacitors

## PFC Capacitors and Key Components

Rating KVAR	Description	Material Code	Voltage	IR (A)	CN (µF)	d x h mm	Packing Units	MOQ	MRP per Pcs in INR
SquareCap EHDLL - 440 V(AC) 3PH, 50Hz (Series B32459)									
15	SQR EHDLL 440V 50HZ-15 kvar 3PH	B32459L5015A 11	440	19.7	3 x 82.2	300 x 240 x 80	1	4	6,900.00
20	SQR EHDLL 440V 50HZ-20 kvar 3PH	B32459L5020A 11	440	26.2	6 x 54.8	300 x 240 x 160	1	4	9,199.99
25	SQR EHDLL 440V 50HZ-25 kvar 3PH	B32459L5025A 11	440	32.8	6 x 68.5	300 x 240 x 160	1	2	11,499.99
30	SQR EHDLL 440V 50HZ-30 kvar 3PH	B32459L5030A 11	440	39.4	6 x 82.2	300 x 240 x 160	1	2	13,799.99
40	SQR EHDLL 440V 50HZ-40 kvar 3PH	B32459L5040A 11	440	52.5	12 x 54.8	350 x 240 x 320	1	2	18,399.99
50	SQR EHDLL 440V 50HZ-50 kvar 3PH	B32459L5050A 11	440	65.6	12 x 68.5	350 x 240 x 320	1	2	22,999.98
SquareCap EHDLL - 480 V(AC) 3PH, 50Hz (Series B32459)									
1.0	SQR EHDLL 480V 50HZ-1 kvar 3PH	B32459L8001A 61	480	1.2	3 x 4.6	170 x 125 x 45	1	24	1,011.39
2.0	SQR EHDLL 480V 50HZ-2 kvar 3PH	B32459L8002A 61	480	2.4	3 x 9.2	170 x 125 x 45	1	24	1,297.38
3.0	SQR EHDLL 480V 50HZ-3 kvar 3PH	B32459L8003A 61	480	3.6	3 x 13.8	240 x 185 x 60	1	20	1,946.07
4.0	SQR EHDLL 480V 50HZ-4 kvar 3PH	B32459L8004A 61	480	4.8	3 x 18.4	240 x 185 x 60	1	20	2,594.76
5.0	SQR EHDLL 480V 50HZ-5 kvar 3PH	B32459L8005A 61	480	6	3 x 23	240 x 185 x 60	1	6	2,300.00
5.5	SQR EHDLL 480V 50HZ-5.5 kvar 3PH	B32459L8005A561	480	6.6	3 x 25.3	240 x 185 x 60	1	4	2,530.01
6.0	SQR EHDLL 480V 50HZ-6 kvar 3PH	B32459L8006A 61	480	7.2	3 x 27.6	300 x 240 x 80	1	4	2,759.99
7.5	SQR EHDLL 480V 50HZ-7,5 kvar 3PH	B32459L8007A561	480	9	3 x 34.6	300 x 240 x 80	1	4	3,449.99
8.3	SQR EHDLL 480V 50HZ-8.3 kvar 3PH	B32459L8008A361	480	10	3 x 38.2	300 x 240 x 80	1	4	3,818.00
8.0	SQR EHDLL 480V 50HZ-8 kvar 3PH	B32459L8008A 61	480	9.6	3 x 36.9	300 x 240 x 80	1	4	3,679.99
9.0	SQR EHDLL 480V 50HZ-9 kvar 3PH	B32459L8009A 61	480	10.8	3 x 41.5	300 x 240 x 80	1	4	4,140.01
10	SQR EHDLL 480V 50HZ-10 kvar 3PH	B32459L8010A 61	480	12	3 x 46.1	300 x 240 x 80	1	4	4,600.00
11.1	SQR EHDLL 480V 50HZ-11.1 kvar 3PH	B32459L8011A161	480	13.4	3 x 51.1	300 x 240 x 80	1	4	5,105.99
12.5	SQR EHDLL 480V 50HZ-12,5 kvar 3PH	B32459L8012A561	480	15	3 x 57.6	300 x 240 x 80	1	4	5,750.01
13.8	SQR EHDLL 480V 50HZ-13.8 kvar 3PH	B32459L8013A861	480	16.6	3 x 63.6	300 x 240 x 80	1	4	6,348.00
14.5	SQR EHDLL 480V 50HZ-14,5 kvar 3PH	B32459L8014A561	480	17.4	3 x 66.8	300 x 240 x 80	1	4	6,670.01
15	SQR EHDLL 480V 50HZ-15 kvar 3PH	B32459L8015A 61	480	18	3 x 69.1	300 x 240 x 80	1	4	6,900.00
16.6	SQR EHDLL 480V 50HZ-16.6 kvar 3PH	B32459L8016A661	480	20	6 x 38.2	300 x 240 x 80	1	4	7,635.99
18	SQR EHDLL 480V 50HZ-18 kvar 3PH	B32459L8018A 61	480	21.7	6 x 41.5	300 x 240 x 160	1	4	8,280.01
20	SQR EHDLL 480V 50HZ-20 kvar 3PH	B32459L8020A 61	480	24.1	6 x 46.1	300 x 240 x 160	1	4	9,199.99
22.1	SQR EHDLL 480V 50HZ-22.1 kvar 3PH	B32459L8022A161	480	26.6	6 x 51.1	300 x 240 x 160	1	4	10,166.00
25	SQR EHDLL 480V 50HZ-25 kvar 3PH	B32459L8025A 61	480	30.1	6 x 57.6	300 x 240 x 160	1	4	11,499.99
27.7	SQR EHDLL 480V 50HZ-27.7 kvar 3PH	B32459L8027A761	480	33.3	6 x 63.6	300 x 240 x 160	1	4	12,742.01
29	SQR EHDLL 480V 50HZ-29 kvar 3PH	B32459L8029A 61	480	34.9	6 x 66.8	300 x 240 x 160	1	2	13,340.00
50	SQR EHDLL 480V 50HZ-50 kvar 3PH	B32459L8050A 61	480	60.1	12 x 57.6	350 x 240 x 320	1	2	22,999.98
SquareCap EHDLL - 525 V(AC) 3PH, 50Hz (Series B32459)									
6.6	SQR EHDLL 525V 50Hz-6.6 kvar 3PH	B32459L6006A611	525	7.3	3 x 25.4	300 x 240 x 80	1	4	3,036.00
10	SQR EHDLL 525V 50HZ-10 kvar 3PH	B32459L6010A 11	525	11.0	3 x 38.5	300 x 240 x 80	1	4	4,600.00
12.5	SQR EHDLL 525V 50HZ-12.5 kvar 3PH	B32459L6012A511	525	13.7	3 x 48.1	300 x 240 x 80	1	4	5,750.01
13.2	SQR EHDLL 525V 50Hz-13.2 kvar 3PH	B32459L6013A211	525	14.5	3 x 51.1	300 x 240 x 80	1	4	6,071.99
15	SQR EHDLL 525V 50HZ-15 kvar 3PH	B32459L6015A 11	525	16.5	3 x 57.8	300 x 240 x 80	1	4	6,900.00
16.6	SQR EHDLL 525V 50Hz-16.6 kvar 3PH	B32459L6016A611	525	18.3	3 x 63.9	300 x 240 x 80	1	4	7,635.99

# Film Capacitors


PFC Capacitors and Key Components

Rating KVAR	Description	Material Code	Voltage	IR (A)	CN (μF)	d x h mm	Packing Units	MOQ	MRP per Pcs in INR
<b>SquareCap EHDLL - 525 V(AC) 3PH, 50Hz (Series</b>									
20	SQR EHDLL 525V 50HZ-20 kvar 3PH	B32459L6020A 11	525	22.0	6 x 38.5	300 x 240 x 160	1	2	9,199.99
25	SQR EHDLL 525V 50HZ-25 kvar 3PH	B32459L6025A 11	525	27.5	6 x 48.1	300 x 240 x 160	1	2	11,499.99
26.5	SQR EHDLL 525V 50HZ-26.5 kvar 3PH	B32459L6026A511	525	29.1	6 x 51.1	300 x 240 x 160	1	2	12,190.01
30	SQR EHDLL 525V 50HZ-30 kvar 3PH	B32459L6030A 11	525	33.0	6 x 57.8	300 x 240 x 160	1	2	13,799.99
33.1	SQR EHDLL 525V 50HZ-33.1 kvar 3PH	B32459L6033A111	525	36.4	6 x 63.9	300 x 240 x 160	1	2	15,226.01
50	SQR EHDLL 525V 50HZ-50 kvar 3PH	B32459L6050A 11	525	55.0	12 x 48.1	350 x 240 x 320	1	2	22,999.98

# Film Capacitors

## PFC Capacitors and Key Components

### SquareCap Capacitors - ESHDC

	<b>Series</b>	SquareCap ESHDC B32455
	<b>Technical data</b>	Single units up to 50 kVAr Voltage: 415V to 525V
	<b>Features</b>	<ul style="list-style-type: none"> <li>• Super Heavy Duty capacitor for non-linear arduous and fluctuating loads.</li> <li>• Manufactured using state-of-art metalisation process for MPP film with heavy edge.</li> <li>• Self healing property.</li> <li>• Low energy consumption.</li> <li>• PU resin as impregnant.</li> <li>• Safety device in the form of pressure sensitive (over pressure) mechanical interrupter.</li> <li>• Simplified modular construction using hermetically sealed single phase basic capacitor cells.</li> <li>• Easy and quick reparability</li> <li>• Temp class: -10/D.</li> </ul>
	<b>Specification</b>	Conformance to standards IEC 60831-1 & 2, EN60831-1 & 2, IS:13340

Rating KVAR	Description	Material Code	Voltage	IR (A)	CN (μF)	d x h mm	Packing Units	MOQ	MRP per Pcs in INR
<b>SquareCap ESHDC - 415 V(AC) 3PH, 50Hz (Series B32455)</b>									
1.0	SQR ESHDC 415V 50HZ-1 kvar 3PH	B32455L4001A 11	415	1.4	3 x 6.2	270 x 185 x 60	1	10	1,586.37
2.0	SQR ESHDC 415V 50HZ-2 kvar 3PH	B32455L4002A 11	415	2.8	3 x 12.5	270 x 185 x 60	1	10	2,134.80
3.0	SQR ESHDC 415V 50HZ-3 kvar 3PH	B32455L4003A 11	415	4.2	3 x 18.5	300 x 240 x 80	1	10	3,202.20
4.0	SQR ESHDC 415V 50HZ-4 kvar 3PH	B32455L4004A 11	415	5.6	3 x 24.7	300 x 240 x 80	1	10	4,269.60
5.0	SQR ESHDC 415V 50HZ-5 kvar 3PH	B32455L4005A 11	415	7.0	3 x 30.8	300 x 240 x 80	1	4	4,128.07
7.5	SQR ESHDC 415V 50HZ-7.5 kvar 3PH	B32455L4007A511	415	10.4	3 x 46.2	400 x 240 x 80	1	4	5,108.41
8.0	SQR ESHDC 415V 50HZ-8 kvar 3PH	B32455L4008A 11	415	11.1	3 x 49.3	400 x 240 x 80	1	4	5,448.97
10	SQR ESHDC 415V 50HZ-10 kvar 3PH	B32455L4010A 11	415	13.9	3 x 61.7	400 x 240 x 80	1	4	6,811.20
12.5	SQR ESHDC 415V 50HZ-12.5 kvar 3PH	B32455L4012A511	415	17.4	3 x 77	400 x 240 x 80	1	4	8,515.83
15	SQR ESHDC 415V 50HZ-15 kvar 3PH	B32455L4015A 11	415	20.9	6 x 46.2	400 x 240 x 160	1	4	10,216.83
20	SQR ESHDC 415V 50Hz-20 kvar 3PH	B32455L4020A 11	415	27.8	6 x 61.7	400 x 240 x 160	1	4	13,625.33
25	SQR ESHDC 415V 50HZ-25 kvar 3PH	B32455L4025A 11	415	34.8	6 x 77	400 x 240 x 160	1	2	17,028.03
30	SQR ESHDC 415V 50Hz-30 kvar 3PH	B32455L4030A 11	415	41.7	12 x 46.2	450 x 240 x 320	1	2	20,437.99
40	SQR ESHDC 415V 50Hz-40 kvar 3PH	B32455L4040A 11	415	55.6	12 x 61.7	450 x 240 x 320	1	2	27,250.65
50	SQR ESHDC 415V 50HZ-50 kvar 3PH	B32455L4050A 11	415	69.6	12 x 77	450 x 240 x 320	1	2	34,056.08
<b>SquareCap ESHDC - 440 V(AC) 3PH, 50Hz (Series B32455)</b>									
1.0	SQR ESHDC 440V 50HZ-1 kvar 3PH	B32455L5001A 11	440	1.3	3 x 5.5	270 x 185 x 60	1	10	1,586.37
2.0	SQR ESHDC 440V 50HZ-2 kvar 3PH	B32455L5002A 11	440	2.6	3 x 11	270 x 185 x 60	1	10	2,134.80
3.0	SQR ESHDC 440V 50HZ-3 kvar 3PH	B32455L5003A 11	440	3.9	3 x 16.4	300 x 240 x 80	1	10	3,202.20
4.0	SQR ESHDC 440V 50Hz-4 kvar 3PH	B32455L5004A 11	440	5.2	3 x 21.9	300 x 240 x 80	1	10	4,269.60
5.0	SQR ESHDC 440V 50HZ-5 kvar 3PH	B32455L5005A 11	440	6.6	3 x 27.4	300 x 240 x 80	1	4	4,128.07
6.0	SQR ESHDC 440V 50Hz-6 kvar 3PH	B32455L5006A 11	440	7.9	3 x 32.9	400 x 240 x 80	1	4	4,087.60
7.5	SQR ESHDC 440V 50HZ-7.5 kvar 3PH	B32455L5007A511	440	9.8	3 x 41.1	400 x 240 x 80	1	4	5,108.41
7.0	SQR ESHDC 440V 50HZ-7 kvar 3PH	B32455L5007A 11	440	9.2	3 x 38.4	400 x 240 x 80	1	4	4,767.84
8.0	SQR ESHDC 440V 50HZ-8 kvar 3PH	B32455L5008A 11	440	10.5	3 x 43.9	400 x 240 x 80	1	4	5,448.97
9.0	SQR ESHDC 440V 50HZ-9 kvar 3PH	B32455L5009A 11	440	11.8	3 x 49.3	400 x 240 x 80	1	4	6,130.10

# Film Capacitors

## PFC Capacitors and Key Components

Rating KVAR	Description	Material Code	Voltage	IR (A)	CN (μF)	d x h mm	Packing Units	MOQ	MRP per Pcs in INR
<b>SquareCap ESHDC - 440 V(AC) 3PH, 50Hz (Series B32455)</b>									
10	SQR ESHDC 440V 50HZ-10 kvar 3PH	B32455L5010A 11	440	13.1	3 x 54.8	400 x 240 x 80	1	4	6,811.20
12.5	SQR ESHDC 440V 50HZ-12.5 kvar 3PH	B32455L5012A511	440	16.4	3 x 68.6	400 x 240 x 80	1	4	8,514.01
15	SQR ESHDC 440V 50HZ-15 kvar 3PH	B32455L5015A 11	440	19.7	6 x 41.1	400 x 240 x 160	1	4	10,216.83
20	SQR ESHDC 440V 50HZ-20 kvar 3PH	B32455L5020A 11	440	26.2	6 x 54.8	400 x 240 x 160	1	2	13,622.43
25	SQR ESHDC 440V 50HZ-25 kvar 3PH	B32455L5025A 11	440	32.8	6 x 68.6	400 x 240 x 160	1	2	17,028.03
35	SQR ESHDC 525V 50Hz-35 kvar 3PH	B32455L6035A 11	440	45.9	12 x 48	450 x 240 x 320	1	2	23,839.24
40	SQR ESHDC 440V 50HZ-40 kvar 3PH	B32455L5040A 11	440	52.5	12 x 54.8	450 x 240 x 320	1	2	27,244.85
50	SQR ESHDC 440V 50HZ-50 kvar 3PH	B32455L5050A 11	440	65.6	12 x 68.6	450 x 240 x 320	1	2	34,056.08
<b>SquareCap ESHDC - 480 V(AC) 3PH, 50Hz (Series B32455)</b>									
1.0	SQR ESHDC 480V 50HZ-1 kvar 3PH	B32455L8001A 11	480	1.2	3 x 4.6	270 x 185 x 60	1	10	1,586.37
2.0	SQR ESHDC 480V 50HZ-2 kvar 3PH	B32455L8002A 11	480	2.4	3 x 9.2	270 x 185 x 60	1	10	2,134.80
4.0	SQR ESHDC 480V 50HZ-4 kvar 3PH	B32455L8004A 11	480	4.8	3 x 18.4	300 x 240 x 80	1	10	4,269.60
5.0	SQR ESHDC 480V 50HZ-5 kvar 3PH	B32455L8005A 11	480	6.0	3 x 23	400 x 240 x 80	1	10	4,128.07
5.5	SQR ESHDC 480V 50Hz-5.5 kvar 3PH	B32455L8005A561	480	6.6	3 x 25.4	400 x 240 x 80	1	4	3,746.96
6.0	SQR ESHDC 480V 50HZ-6 kvar 3PH	B32455L8006A 11	480	7.2	3 x 27.6	400 x 240 x 80	1	4	4,087.60
7.5	SQR ESHDC 480V 50HZ-7.5 kvar 3PH	B32455L8007A511	480	9.0	3 x 34.6	400 x 240 x 80	1	4	5,109.50
8.0	SQR ESHDC 480V 50HZ-8 kvar 3PH	B32455L8008A 11	480	9.6	3 x 36.9	400 x 240 x 80	1	4	5,450.13
10	SQR ESHDC 480V 50HZ-10 kvar 3PH	B32455L8010A 11	480	12.0	3 x 46.1	400 x 240 x 80	1	4	6,811.20
11.1	SQR ESHDC 480V 50HZ-11.1 kvar 3PH	B32455L8011A161	480	13.4	3 x 51.1	400 x 240 x 80	1	4	7,560.43
12.5	SQR ESHDC 480V 50HZ-12.5 kvar 3PH	B32455L8012A511	480	15	3 x 57.6	400 x 240 x 80	1	4	8,514.01
13.8	SQR ESHDC 480V 50HZ-13.8 kvar 3PH	B32455L8013A861	480	16.6	3 x 63.8	400 x 240 x 80	1	4	9,399.48
14.5	SQR ESHDC 480V 50HZ-14.5 kvar 3PH	B32455L8014A511	480	17.4	6 x 33.4	400 x 240 x 160	1	4	9,876.25
15	SQR ESHDC 480V 50HZ-15 kvar 3PH	B32455L8015A 11	480	18	6 x 34.6	400 x 240 x 160	1	4	10,216.83
16.6	SQR ESHDC 480V 50HZ-16.6 kvarR 3PH	B32455L8016A661	480	20	6 x 38.3	400 x 240 x 160	1	2	11,306.62
20	SQR ESHDC 480V 50HZ-20 kvar 3PH	B32455L8020A 11	480	24.1	6 x 46.1	400 x 240 x 160	1	2	13,622.43
22.1	SQR ESHDC 480V 50HZ-22.1 kvar 3PH	B32455L8022A161	480	26.6	6 x 50.9	400 x 240 x 160	1	2	15,052.77
25	SQR ESHDC 480V 50HZ-25 kvar 3PH	B32455L8025A 11	480	30.1	6 x 57.6	400 x 240 x 160	1	2	17,028.03
27.7	SQR ESHDC 480V 50HZ-27.7 kvar 3PH	B32455L8027A761	480	33.3	6 x 63.8	400 x 240 x 160	1	2	18,867.06
29	SQR ESHDC 480V 50HZ-29 kvar 3PH	B32455L8029A 11	480	34.9	12 x 33.4	450 x 240 x 320	1	2	19,752.52
50	SQR ESHDC 480V 50Hz-50 kvar 3PH	B32455L8050A 11	480	60.1	12 x 57.6	450 x 240 x 320	1	2	34,056.08
<b>SquareCap ESHDC - 525 V(AC) 3PH, 50Hz (Series B32455)</b>									
6.6	SQR ESHDC 525V 50Hz-6.6 kvar 3PH	B32455L6006A611	525	7.3	3 x 25.4	400 x 240 x 80	1	4	4,495.39
10	SQR ESHDC 525V 50HZ-10 kvar 3PH	B32455L6010A 11	525	11	3 x 38.5	400 x 240 x 80	1	4	6,811.20
12.5	SQR ESHDC 525V 50Hz-12.5 kvar 3PH	B32455L6012A511	525	13.7	3 x 48.2	400 x 240 x 80	1	4	8,515.83
13.2	.SQR ESHDC 525V 50Hz-13.2 kvar 3PH	B32455L6013A211	525	14.5	3 x 50.8	400 x 240 x 80	1	4	8,990.79
15	SQR ESHDC 525V 50HZ-15 kvar 3PH	B32455L6015A 11	525	16.5	6 x 28.9	400 x 240 x 160	1	4	10,216.83
16.6	SQR ESHDC 525V 50HZ-16.6 kvar 3PH	B32455L6016A611	525	18.3	6 x 32	400 x 240 x 160	1	2	11,306.62
20	SQR ESHDC 525V 50HZ-20 kvar 3PH	B32455L6020A 11	525	22	6 x 38.5	400 x 240 x 160	1	2	13,622.43
25	SQR ESHDC 525V 50HZ-25 kvar 3PH	B32455L6025A 11	525	27.5	6 x 48.2	400 x 240 x 160	1	2	17,028.03




# Film Capacitors

PFC Capacitors and Key Components

Rating KVAR	Description	Material Code	Voltage	IR (A)	CN (μF)	d x h mm	Packing Units	MOQ	MRP per Pcs in INR
SquareCap ESHDC - 525 V(AC) 3PH, 50Hz (Series B32455)									
26.5	SQR ESHDC 525V 50HZ-26.5 kvar 3PH	B32455L6026A511	525	29.1	6 x 50.8	400 x 240 x 160	1	2	18,049.71
33.1	SQR ESHDC 525V 50Hz-33.1 kvar 3PH	B32455L6033A111	525	36.4	12 x 32	450 x 240 x 320	1	2	22,545.13
35	SQR ESHDC 525V 50Hz-35 kvar 3PH	B32455L6035A 11	525	38.5	12 x 33.7	450 x 240 x 320	1	2	23,839.25
50	SQR ESHDC 525V 50HZ-50 kvar 3PH	B32455L6050A 11	525	55	12 x 48.2	450 x 240 x 320	1	2	34,056.08

# Superior Solutions for AC and PFC Applications



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## AC Capacitors

- Motor Start and Motor Run Capacitors for
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  - Air conditioners
  - Coolers
  - Submersible pumps
- Metallized polypropylene capacitors for AC filtering, UPS and drives

## PFC Capacitors and Key Components

- PhiCap®
- PhaseCap®
- SquareCap®
- PoleCap®
- Three - Phase Reactors
- Power Factor Controllers
- Thyristor Modules
- Capacitor Duty Contractors
- LT - APP Capacitors




\* Certifications depending on type

# Film Capacitors

## PFC Capacitors and Key Components

### LT - APP Capacitors

	Series	LT - APP Capacitors B25160
	Technical data	<ul style="list-style-type: none"> <li>Up to 66.2 KVAR, in single unit.</li> <li>Higher ratings in form of banks.</li> <li>Available in Ratings of 440, 480 and 525V. Voltages up to 1000V on request.</li> </ul>
	Features	<ul style="list-style-type: none"> <li>Extended foil design.</li> <li>Low energy consumption. Leakproof CRCA sheet steel Container.</li> <li>Provided with internal element fuse.</li> <li>Extremely robust construction, suitable for use in arduous applications including applications related to Tuned and Detuned Harmonic Filters.</li> <li>Suitable for indoor application.</li> <li>Temp class: -5/D.</li> </ul>
	Specification	Conformance to Standards IS 13340.

Rating KVAR	Description	Material Code	Voltage	IR (A)	CN (μF)	d x h mm	Packing Units	MOQ	MRP per Pcs in INR
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#### LT - APP - 440V(AC) 3PH, 50Hz (Series B25160)

5.0	CAP UNIT 5 kVAR, 440V, 50Hz, 3-φ, Δ, IF Comp	B25160C4005T 40	6.56	41.1	135 x 75 x 330	1	1	7,551
7.5	CAP UNIT 7.5 kVAR, 440V, 50Hz, 3-φ, Δ, IF Comp	B25160C4007T540	9.84	61.65	135 x 85 x 330	1	1	8,427
10	CAP UNIT 10 kVAR, 440V, 50Hz, 3-φ, Δ, IF Comp	B25160C4010T 40	13.12	82.2	135 x 115 x 330	1	1	10,014
12.5	CAP UNIT 12.5 kVAR, 440V, 3φ ? IF Compact	B25160C4012T540	16.4	102.8	155 x 155 x 330	1	1	11,172
15	CAP UNIT 15 kVAR, 440V, 50Hz, 3-φ, Δ, IF Comp	B25160C4015T 40	19.68	123.3	175 x 115 x 330	1	1	12,476
20	CAP UNIT 20 kVAR, 440V, 50Hz, 3-φ, Δ, IF Comp	B25160C4020T 40	26.24	164.39	225 x 115 x 355	1	1	15,650
25	CAP UNIT 25 kVAR, 440V, 50Hz, 3-φ, Δ, IF Comp	B25160C4025T 40	32.8	205.49	195 x 115 x 455	1	1	17,182
30	CAP UNIT 30 kVAR, 440V, 50Hz, 3-φ, Δ, IF Comp	B25160C4030T 40	39.37	246.59	225 x 115 x 455	1	1	19,371
40	CAP UNIT 40 kVAR, 440V, 50Hz, 3-φ, Δ, IF Comp	B25160C4040T 40	52.49	329	275 x 115 x 455	1	1	23,420
50	CAP UNIT 50 kVAR, 440V, 50Hz, 3-φ, Δ, IF Comp	B25160C4050T 40	65.61	410.99	335 x 115 x 455	1	1	28,126

#### LT - APP - 480V(AC) 3PH, 50Hz (Series B25160)

5.0	CAP UNIT 5 kVAR, 480V, 50Hz, 3-φ, Δ, IF Comp	B25160C4005T 80	6.01	34.53	135 x 75 x 330	1	1	7,442
5.5	CAP UNIT 5.5 kVAR, 480V, 50Hz, 3-φ, Δ, IF Comp	B25160C4005T580	6.62	37.99	135 x 75 x 330	1	1	7,661
7.5	CAP UNIT 7.5 kVAR, 480V, 50Hz, 3-φ, Δ, IF Comp	B25160C4007T580	9.02	51.8	135 x 75 x 330	1	1	7,825
8.3	CAP UNIT 8.3 kVAR, 480V, 50Hz, 3-φ, Δ, IF Comp	B25160C4008T380	9.98	57.33	135 x 85 x 330	1	1	8,427
10	CAP UNIT 10 kVAR, 480V, 50Hz, 3-φ, Δ, IF Comp	B25160C4010T 80	12.03	69.07	135 x 100 x 330	1	1	9,521
11.1	CAP UNIT 11.1 kVAR, 480V, 50Hz, 3-φ, Δ, IF Comp	B25160C4011T180	13.35	76.67	135 x 115 x 330	1	1	10,014
12.5	CAP UNIT 12.5 kVAR, 480V, 50Hz, 3-φ, Δ, IF Comp	B25160C4012T580	15.04	86.34	135 x 115 x 330	1	1	10,287
13.8	CAP UNIT 13.8 kVAR, 480V, 50Hz, 3-φ, Δ, IF Comp	B25160C4013T880	16.6	95.31	155 x 115 x 330	1	1	10,944
15	CAP UNIT 15 kVAR, 480V, 50Hz, 3-φ, Δ, IF Comp	B25160C4015T 80	18.04	103.6	155 x 115 x 330	1	1	11,272
16.6	CAP UNIT 16.6 kVAR, 480V, 50Hz, 3-φ, Δ, IF Comp	B25160C4016T680	19.97	114.65	175 x 115 x 330	1	1	12,367
20	CAP UNIT 20 kVAR, 480V, 50Hz, 3-φ, Δ, IF Comp	B25160C4020T 80	24.06	138.14	195 x 115 x 355	1	1	14,227
22.1	CAP UNIT 22.1 kVAR, 480V, 50Hz, 3-φ, Δ, IF Comp	B25160C4022T180	26.58	152.64	210 x 115 x 355	1	1	14,993
25	CAP UNIT 25 kVAR, 480V, 50Hz, 3-φ, Δ, IF Comp	B25160C4025T 80	30.07	172.67	225 x 115 x 355	1	1	16,197
27.7	CAP UNIT 27.7 kVAR, 480V, 50Hz, 3-φ, Δ, IF Comp	B25160C4027T780	33.28	191.11	185 x 115 x 455	1	1	16,580
30	CAP UNIT 30 kVAR, 480V, 50Hz, 3-φ, Δ, IF Comp	B25160C4030T 80	36.09	207.21	195 x 115 x 455	1	1	17,510

# Film Capacitors

## PFC Capacitors and Key Components

Rating KVAR	Description	Material Code	Voltage	IR (A)	CN (μF)	d x h mm	Packing Units	MOQ	MRP per Pcs in INR
LT - APP - 480V(AC) 3PH, 50Hz (Series B25160)									
33.2	CAP UNIT 33.2 kVAr, 480V, 50Hz, 3-φ, Δ, IF Comp	B25160C4033T280	39.93	229.31	210 x 115 x 455	1	1	18,714	
40	CAP UNIT 40 kVAr, 480V, 50Hz, 33-φ, Δ, IF Comp	B25160C4040T 80	48.11	276.27	245 x 115 x 455	1	1	21,888	
44.3	CAP UNIT 44.3 kVAr, 480V, 50Hz, 3-φ, Δ, IF Comp	B25160C4044T380	53.29	305.97	275 x 115 x 455	1	1	23,420	
50	CAP UNIT 50 kVAr, 480V, 50Hz, 3-φ, Δ, IF Comp	B25160C4050T 80	60.14	345.34	295 x 115 x 455	1	1	25,335	
55.3	CAP UNIT 55.3 kVAr, 480V, 50Hz, 3-φ, Δ, IF Comp	B25160C4055T380	66.52	381.95	315 x 115 x 455	1	1	27,141	
LT - APP - 525V(AC) 3PH, 50Hz (Series B25160)									
5.0	CAP UNIT 5 kVAr, 525V, 50Hz, 3-φ, Δ, IF Comp	B25160C5005T 25	5.5	28.87	135 x 115 x 230	1	1	7,989	
6.6	CAP UNIT 6.6 kVAr, 525V, 50Hz, 3-φ, Δ, IF Comp	B25160C5006T625	7.26	38.11	155 x 115 x 230	1	1	8,755	
7.5	CAP UNIT 7.5 kVAr, 525V, 50Hz, 3-φ, Δ, IF Comp	B25160C5007T525	8.25	43.3	185 x 115 x 230	1	1	9,850	
8.3	CAP UNIT 8.3 kVAr, 525V, 50Hz, 3-φ, Δ, IF Comp	B25160C5008T325	9.13	47.92	185 x 115 x 230	1	1	9,959	
10	CAP UNIT 10 kVAr, 525V, 50Hz, 3-φ, Δ, IF Comp	B25160C5010T 25	11	57.74	210 x 115 x 230	1	1	10,725	
12.5	CAP UNIT 12.5 kVAr, 525V, 50Hz, 3-φ, Δ, IF Comp	B25160C5012T525	13.75	72.17	135 x 115 x 330	1	1	10,944	
13.2	CAP UNIT 13.2 kVAr, 525V, 50Hz, 3-φ, Δ, IF Comp	B25160C5013T225	14.52	76.21	135 x 115 x 330	1	1	10,944	
15	CAP UNIT 15 kVAr, 525V, 50Hz, 3-φ, Δ, IF Comp	B25160C5015T 25	16.5	86.6	155 x 115 x 330	1	1	11,163	
16.6	CAP UNIT 16.6 kVAr, 525V, 50Hz, 3-φ, Δ, IF Comp	B25160C5016T625	18.26	95.84	175 x 115 x 330	1	1	12,148	
20	CAP UNIT 20 kVAr, 525V, 50Hz, 3-φ, Δ, IF Comp	B25160C5020T 25	21.99	115.47	195 x 115 x 355	1	1	14,008	
25	CAP UNIT 25 kVAr, 525V, 50Hz, 3-φ, Δ, IF Comp	B25160C5025T 25	27.49	144.34	225 x 115 x 355	1	1	15,759	
26.5	CAP UNIT 26.5 kVAr, 525V, 50Hz, 3-φ, Δ, IF Comp	B25160C5026T525	29.14	153	245 x 115 x 355	1	1	16,854	
30	CAP UNIT 30 kVAr, 525V, 50Hz, 3-φ, Δ, IF Comp	B25160C5030T 25	32.99	173.21	195 x 115 x 455	1	1	17,510	
33.1	CAP UNIT 33.1 kVAr, 525V, 50Hz, 3-φ, Δ, IF Comp	B25160C5033T125	36.4	191.11	210 x 115 x 455	1	1	18,276	
35	CAP UNIT 35 kVAr, 525V, 50Hz, 3-φ, Δ, IF Comp	B25160C5035T 25	38.5	202.09	210 x 115 x 455	1	1	19,327	
40	CAP UNIT 40 kVAr, 525V, 50Hz, 3-φ, Δ, IF Comp	B25160C5040T 25	43.99	230.94	245 x 115 x 455	1	1	21,231	
50	CAP UNIT 50 kVAr, 525V, 50Hz, 3-φ, Δ, IF Comp	B25160C5050T 25	54.99	288.68	295 x 115 x 455	1	1	24,952	
53	CAP UNIT 53 kVAr, 525V, 50Hz, 3-φ, Δ, IF Comp	B25160C5053T 25	58.29	306	295 x 115 x 455	1	1	25,609	
66.2	CAP UNIT 66.2 kVAr, 525V, 50Hz, 3-φ, Δ, IF Comp	B25160C5066T225	72.9	382.21	360 x 115 x 455	1	1	30,205	

# Film Capacitors

## PFC Capacitors and Key Components

### AgriCap Capacitors


	<b>Series</b>	AgriCap Capacitors B32454
	<b>Technical data</b>	<ul style="list-style-type: none"> <li>Voltage range: 440 V</li> <li>Output range: 1, 2, 3, 4, 5, 6, 7, 8,</li> </ul>
	<b>Features</b>	<ul style="list-style-type: none"> <li>Compact size</li> <li>10, 12.5, 15 kvar</li> <li>Life expectancy of up to 80 000 hours at temperature class -25/D</li> <li>Self-healing</li> <li>Overpressure disconnecter</li> <li>Internal discharge resistors</li> <li>Insulated flexible wire terminals</li> </ul>
	<b>Specification</b>	Conformance to Standards IS 13340.

Rating KVAR	Description	Material Code	Voltage	IR (A)	CN (μF)	d x h mm	Packing Units	MOQ	MRP per Pcs in INR
<b>Agri - Round - 440 V(AC) 3PH, 50HZ (Series B32454)</b>									
1.0	AgriCap 440V 50HZ-1 kvar 3PH	B32454F5001T 10	1.3	3 x 5.5	40 x 117	25	25	25	491.69
2.0	AgriCap 440V 50HZ-2 kvar 3PH	B32454F5002T 10	2.6	3 x 11.0	40 x 152	25	25	25	519.55
3.0	AgriCap 440V 50HZ-3 kvar 3PH	B32454F5003T 10	3.9	3 x 16.4	40 x 189	25	25	25	612.31
4.0	AgriCap 440V 50HZ-4 kvar 3PH	B32454F5004T 10	5.2	3 x 21.9	45 x 189	25	25	25	779.30
5.0	AgriCap 440V 50HZ-5 kvar 3PH	B32454F5005T 10	6.6	3 x 27.4	50 x 189	25	25	25	974.13
6.0	AgriCap 440V 50HZ-6 kvar 3PH	B32454F5006T 10	7.9	3 x 32.9	55 x 189	25	25	25	1,168.95
7.0	AgriCap 440V 50HZ-7 kvar 3PH	B32454F5007T 10	9.2	3 x 38.4	55 x 189	16	16	16	1,255.48
8.0	AgriCap 440V 50HZ-8 kvar 3PH	B32454F5008T 10	10.5	3 x 43.9	63.5 x 189	16	16	16	1,434.84
10.0	AgriCap 440V 50HZ-10 kvar 3PH	B32454F5010T 10	13.1	3 x 54.8	68 x 189	16	16	16	1,793.54
12.5	AgriCap 440V 50Hz-12.5 kvar 3PH	B32454F5012T510	16.4	3 x 68.5	75 x 195	1	1	1	2,241.93
15.0	AgriCap 440V 50Hz-15 kvar 3PH	B32454F5015T 10	19.7	3 x 82.2	75 x 195	1	1	1	2,690.32



# Film Capacitors


## PFC Capacitors and Key Components

Power Factor Controller		
	Series	Power Factor Controller BR 6000
	Technical data	<ul style="list-style-type: none"> <li>• Steps - 6 and 12 outputs (in both relay and transistorised versions)</li> <li>• Current Input - 1A or 5 A • Supply Voltage - 1Ph - 230 V AC</li> <li>• Measurement Voltage :1Ph 30V - 525V AC (L-N) or (L-L)</li> <li>• Operating temperature: -20 to +60° C • Compact 144 x 144 mm front fascia</li> </ul>
	Important display parameters	<ul style="list-style-type: none"> <li>• Voltage • Real time PF</li> <li>• Current • Power KW, KVA, KVAR</li> <li>• Temperature • Harmonics % ITHD, %VTHD, individual up to 31st</li> <li>• Energy KWh, KVAh, KVARh</li> </ul>
	Features	<ul style="list-style-type: none"> <li>• Microcontroller logic for measurements</li> <li>• Self explanatory menu navigation in several languages</li> <li>• Self optimizing control capability</li> <li>• Control modes : LIFO, FIFO and Self optimized Intelligent Control.</li> <li>• Large and multifunctional LCD with backlit display (2 X 16 characters)</li> <li>• Single CT sensing for balanced loads</li> <li>• Dual target Power Factor setting (available in 12 stage) - useful for utility and DG mode operation available optional</li> <li>• Automatic synchronization possible</li> <li>• Display and storage of maximum values, number of switching operations and operating time</li> <li>• Recall function of recorded values • RS 232 Interface optional • Alarm output optional</li> <li>• Dynamic Power Factor Controller (Transistorised) available in 6 and 12 steps</li> <li>• Cascading possible with master slave versions</li> <li>• Protective earth terminal to reduce noise and unwanted interference signals</li> <li>• EMI/ EMC type tested • Individual Harmonic measurement upto 19th order.</li> </ul>
	Specification	Conformance to Standards IS 13340.

Type	Steps	Voltage V	Description	Material Code	MRP/ Rs.
<b>Power Factor Controller</b>					
Contr - BR6000	6	230	BR6000 SERIES 6STP RELAY 230V	B44066R6006R230	13,611
Contr - BR6000	12	230	BR6000 SERIES 12 STP RELAY 230V	B44066R6012R230	16,705
Contr - BR6000	12	230	BR6000 SERIES T12 TRANSISTOR O/P RELAY	B44066R6112R230	22,582
Contr - BR6000	6	230	BR6000 SERIES T6 TRANSISTOR O/P RELAY	B44066R6106R230	18,355
Contr - BR6000	12	230	BR6000 SERIES (RS485 interface) 12 STP RELAY	B44066R6412R230	21,964

# Film Capacitors


## PFC Capacitors and Key Components

Power Factor Controller		
	Series	Power Factor Controller BR 5000
	Technical data	<ul style="list-style-type: none"> <li>• Steps - 8 and 16 relay outputs</li> <li>• Current Input - 1A or 5 A</li> <li>• Supply Voltage - 1Ph 415 VAC (-40% to +20% )</li> <li>• Measurement Voltage : 3Ph 3 wire 415 VAC (-40% to +20% )</li> <li>• Operating temperature : 0 to 70 ° C</li> <li>• 144 x 144 mm front fascia Supply frequency 50 Hz</li> </ul>
	Important display parameters	<ul style="list-style-type: none"> <li>• Voltage</li> <li>• Real time PF</li> <li>• Current</li> <li>• Power KW, KVA, KVAR</li> <li>• Temperature</li> <li>• Harmonics % ITHD, %VTHD, individual up to 31st</li> <li>• Energy KWh, KVAh, KVARh</li> </ul>
	Features	<p>In addition to BR 4000ER</p> <ul style="list-style-type: none"> <li>• Three CT sensing for unbalanced loads</li> <li>• Dual target Power Factor setting - useful for utility and DG mode operation</li> <li>• Automatic synchronization possible</li> <li>• Separate 3 CT monitoring of healthiness of Capacitor within Panel</li> <li>• Data logging</li> <li>• RS 232 in front and RS 232/485 switchable connection at rear</li> <li>• Step operation indication on LCD display plus LED which facilitates viewing from a distance</li> <li>• Unique facility of including 'Fixed Capacitor Bank' for purpose of Transformer compensation. This can be set such that the controller doesn't 'see' this capacitor.</li> <li>• Unique external temperature sensing by PT100</li> <li>• Settable alarm facility - undervoltage, overvoltage and so on</li> <li>• Settable auxiliary outputs - 2 Nos for Alarm, etc.</li> <li>• Dynamic Power Factor Controller (Transistorised) available in 16 steps without PT100 facility available</li> <li>• Special 8/16 step Controller for Medium Voltage application available</li> <li>• EMI/EMC type tested.</li> </ul>
	Specification	Conformance to Standards IS 13340.

Type	Steps	Voltage V	Description	Material Code	MRP/ Rs.
<b>Power Factor Controller</b>					
Contr - BR5000	16	415	PFC CONTROLLER-BR-5000-16 ST-RELAY 415V	B44066R5916A415	27,822
Contr - BR5000	8	415	PFC CONTROLLER-BR-5000-08 ST-RELAY 415V	B44066R5908A415	25,682
Contr - BR5000	16	415	PFC CONTROLLER BR5000-16ST- TX 415V	B44066R5716A415	29,106
Contr - BR5000	5 x 3	240	PFC CONTROLLER BR5916S - 1 Ph x 3 - 5 steps per	B44066R5916S240	63,212
Contr - BR5000	5	240	BR5100-5STEP-3CT,3PH-4W,415V RELAY	B44066R5905R415	18,045
Contr - BR5000	16	415	PFC CONTROLLER BR5100 - 16ST 3PH 415V with GSM	B44066R5916S415	48,404
Contr - BR5000	6	240	BR5100-6STEP-3CT,3PH-4W,415VAC	B44066R5906S415	15,516
Contr - BR5000	8	240	BR5100-8STEP-3CT,3PH-4W,415VAC RELAY O/P	B44066R5908R415	15,730

# Film Capacitors


## PFC Capacitors and Key Components

Power Factor Controller		
	Series	Power Factor Controller BR 4000
	Technical data	<ul style="list-style-type: none"> <li>• Steps - 4, 6 and 8 relay outputs</li> <li>• Current Input - 1A or 5 A</li> <li>• Supply Voltage - 110 VAC-550 VAC</li> <li>• Measurement Voltage : 30...550 VAC (L-L/L-N)</li> <li>• Operating temperature : 0 to 60 °C</li> <li>• Compact 96 x 96 x 75 mm</li> <li>• Adapter plate for 144 x 144 cut out can be provided</li> </ul>
	Important display parameters	<ul style="list-style-type: none"> <li>• Voltage</li> <li>• Real time PF</li> <li>• Current</li> <li>• Power KW, KVA, KVAh</li> <li>• Temperature</li> <li>• Harmonics % ITHD, %VTHD, individual up to 31st</li> <li>• Energy KWh, KVAh, KVAh</li> </ul>
	Features	<ul style="list-style-type: none"> <li>• Intelligent control</li> <li>• Large measurement and input voltage range</li> <li>• User friendly operation</li> <li>• Individual harmonics up to 31st order</li> <li>• Four quadrant operations RS 485 communication/real time clock (optional)</li> <li>• 4 steps variant upgradable to 6 and 8 with additional module.</li> <li>• Configurable alarm output for various parameters</li> <li>• Recall recorded values for 10 various important parameters.</li> </ul>
	Specification	Conformance to Standards IS 13340.

Type	Steps	Voltage V	Description	Material Code	MRP/ Rs.
<b>Power Factor Controller</b>					
Contr - BR4000	4	230	PFC CONTROLLER-BR-4904-04 ST RELAY 230V	B44066R4904A230	12,252
Contr - BR4000	8	230	PFC CONTROLLER-BR-4000-08 ST RELAY 230V	B44066R4808A230N 1	21,830
Contr - BR4000-ER	4	240	BR4000-ER SERIES 4 STEP RELAY OUTPUT240V	B44066R4004R240	8,548
Contr - BR4000-ER	6	240	BR4000-ER SERIES 6 STEP RELAY OUTPUT240V	B44066R4006R240	9,814
Contr - BR4000-ER	8	240	BR4000-ER SERIES 8 STEP RELAY OUTPUT240V	B44066R4008R240	11,533
Contr - BR4000-S	4	240	BR4000-S 4ST RLY O/P240V,with144x144 Adaptor plate	B44066R4104R240	6,740
Contr - BR4000-S	6	240	BR4000-S 6ST RLY O/P240V,with144x144 Adaptor plate	B44066R4106R240	7,664
Contr - BR4000-S	8	240	BR4000-S 8ST RLY O/P240V,with144x144 Adaptor plate	B44066R4108R240	8,351

# Film Capacitors

## PFC Capacitors and Key Components


Power Factor Controller		
	<b>Series</b>	Power Factor Controller BR 2100
	<b>Technical data</b>	<ul style="list-style-type: none"> <li>• Steps - 6,8 and 12 relay outputs</li> <li>• Current Input - 1A or 5 A</li> <li>• Supply Voltage - 110 VAC-550 VAC</li> <li>• Operating temperature : -10 to 60 ° C</li> <li>• Compact 144 x 144 mm front fascia</li> </ul>
	<b>Important display parameters</b>	<ul style="list-style-type: none"> <li>• Voltage</li> <li>• Real time PF</li> <li>• Current</li> <li>• Power KW, KVA, KVAh</li> <li>• Temperature</li> <li>• Harmonics % ITHD, %VTHD, individual up to 31st</li> <li>• Energy KWh, KVAh, KVAh</li> </ul>
	<b>Features</b>	<ul style="list-style-type: none"> <li>• Intelligent control</li> <li>• Menu driven handling in English language</li> <li>• Test-run possible</li> <li>• Large voltage measuring range</li> <li>• Recall function of recorded values</li> <li>• Four-quadrant operation Potential free contact alarm output (Optional)</li> <li>• RS485 communication interface (Optional)</li> <li>• Real Time Clock (Optional)</li> <li>• Log of Time date stamping for last 3 system faults enabled</li> <li>• Auto Initialization function</li> <li>• Input voltage connection detection \ (L-N\L-L) • Three bank selection mode</li> <li>• Control series (upto 20)</li> </ul>
	<b>Specification</b>	Conformance to Standards IS 13340.

Type	Steps	Voltage V	Description	Material Code	MRP/ Rs.
<b>Power Factor Controller</b>					
Contr - BR2100	6	240	BR2100-6ST RLY 0/P240V, ALARM 144x144	B44066R2006R240	12,841
Contr - BR2100	8	240	BR2100-8ST RLY 0/P240V,ALARM 144x144	B44066R2008R240	14,592
Contr - BR2100	12	240	BR2100-12ST RLY 0/P240V,ALARM 144x144	B44066R2012R240	15,759

# Film Capacitors

## PFC Capacitors and Key Components

### Capacitor - Duty Contactor


	Series	Capacitor Duty Contactor J110/J230/C24*
	Technical data	<ul style="list-style-type: none"> <li>Rating: 7 KVAR to 100 KVAR</li> <li>Optional Voltage Range (380 V to 690 V)</li> <li>Operational ambient temperature up to 60° C</li> </ul>
	Features	<ul style="list-style-type: none"> <li>Largest range</li> <li>Excellent damping of inrush current by the use of leading contacts with wiper function and special resistors</li> <li>Longer useful life of main contacts of capacitor Contactor</li> <li>Soft switching of contactor and thus longer useful life</li> <li>Weld resistant up to a possible peak inrush current of 200 times the rated capacitor current</li> <li>Enhance mean life expectancy of PFC systems</li> <li>Reduce Ohmic losses</li> <li>Tamper proof and protected resistors</li> <li>Suitable for use with or without detuned reactors</li> <li>Easy access for cable connection</li> <li>Type tested at CPRI</li> <li>AC-6b Utilisation category.</li> </ul>
	Specification	Technical data according to Standards IEC 947-4-1, IEC 947-5-1, EN 60947-4-1 EN 60947-5-1 and VDE 0660

Type	Rating KVAR	Voltage V V(AC)	Description	Material Code	MRP Per Pc price list in INR
<b>Capacitor Duty Contactor - Standard Series</b>					
Contactor - Standard series	7.0	240	7 KVAR Cap.DutyCont.1N01NC240V	B44066S 711C240	2,343
Contactor - Standard series	10	240	10 KVAR Cap.DutyCont.1N01NC240V	B44066S1011C240	2,443
Contactor - Standard series	12.5	240	12.5 KVAR Cap.DutyCont.1N01NC240V	B44066S1211C240	2,642
Contactor - Standard series	16	240	16 KVAR Cap.DutyCont.1N01NC240V	B44066S1611C240	3,390
Contactor - Standard series	20	240	20 KVAR Cap.DutyCont.1N01NC240V	B44066S2011C240	4,038
Contactor - Standard series	25	240	25 KVAR Cap.DutyCont.1N01NC240V	B44066S2511C240	4,637
Contactor - Standard series	33	240	33 KVAR Cap.DutyCont.1N0 2NC 240V	B44066S3312C240	9,373
Contactor - Standard series	40	240	40 KVAR Cap.DutyCont.1N0 2NC 240V	B44066S4012C240	12,879
Contactor - Standard series	50	240	50 KVAR Cap.DutyCont.1N0+2NC 240VAC 50/60Hz EXP	B44066S5012C242	13,034
Contactor - Standard series	60	240	60 KVAR Cap.DutyCont.1N0 2NC 240V	B44066S6012C240	13,162
Contactor - Standard series	75	240	75 KVAR Cap.DutyCont.1N0+2NC 240VAC 50/60Hz EXP	B44066S7512C242	16,013
Contactor - Standard series	80	240	80 KVAR Cap.DutyCont.1N0+2NC 240VAC 50Hz EXP	B44066S8012C241	20,807
Contactor - Standard series	100	240	100 KVAR Cap.DutyCont.1N0+2NC 240VAC 50Hz EXP	B44066S9912C241	23,246
<b>Capacitor Duty Contactor - Premium Series</b>					
Contactor - Premium series	12.5	230	Capacitor Contactor 50°C 0-12.5 Kvar	B44066S1811J230	7,678
Contactor - Premium series	25	230	Capacitor Contactor 50°C 0-25 Kvar	B44066S3211J230	8,475
Contactor - Premium series	33.3	230	Capacitor Contactor 50°C 0-33.3 Kvar	B44066S5011J230	15,854
Contactor - Premium series	50	230	Capacitor Contactor 50°C 0-50 Kvar	B44066S6211J230	13,561
Contactor - Premium series	75	230	Capacitor Contactor 50°C 0-75 Kvar	B44066S7411J230	18,845
Contactor - Premium series	100	230	Capacitor Contactor 50°C 0-100 Kvar	B44066S9911J230	33,270



# Film Capacitors

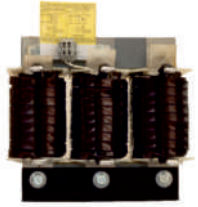
## PFC Capacitors and Key Components

Thyristor Switch and Discharge Resistor		
	Series	Thyristor Module TSM-LC-N
	Technical data	<ul style="list-style-type: none"><li>• Suitable for 10, 25, 50 and 100 KVAR.</li><li>• Rated Voltage 400, 415, 440 and 690 V.</li></ul>
	Features	<ul style="list-style-type: none"><li>• Suitable for real time power factor correction.</li><li>• Easy Installation: It can be used identically as a Contactor.</li><li>• Reaction time: 5 milli seconds.</li><li>• Permanent self- controlling of :<ul style="list-style-type: none"><li>-Voltage Parameter      -Capacitor Current      -Temperature of the thyristor switch.</li></ul></li><li>• Alarm output per module.      • Manual operation possible.</li><li>• Automatic switch off in case of over current and over temperature.</li><li>• Display of:<ul style="list-style-type: none"><li>-Operations      -Faults      -Activation.</li></ul></li></ul>
	Specification	

Type	Rating KVAR	Voltage V V(AC)	Description	Material Code	MRP Per Pc price list in INR
Thyristor Switch and Discharge Resistor					
TSM 10	10	440	PFC Thyristor Module 440V 10 KVAR	B44066T0010R440	23,540
TSM 25	25	440	PFC Thyristor Module 440V 25 KVARTSMC-N	B44066T3025R442	28,729
TSM 50	50	440	PFC Thyristor Module 440V 50 KVARTSMC-N	B44066T3050R442	29,768
TSM 100	100	440	PFC Thyristor Module 440V100kVarTSMC100	B44066T0100I440	57,684
TSM 50	50	690	PFC Thyristor Module 690V 50kVar TSMC-N	B44066T3050E690	90,782
EW22-Resistor	-	440	Discharge Resistor 22K, 50W, 5%	B44066T 22S400	1,328
Output Buffer Card, 24V	-	24	Buffer Card	B44066R1116R230	9,193

# Film Capacitors

## PFC Capacitors and Key Components

Detuned Filter Reactor		
	Series	Three Phase Reactor B44066
	Technical data	<ul style="list-style-type: none"><li>• Effective Filter out put 5 KVAR to 100 KVAR</li><li>• Filtering factor: - (5.67%,7% and 14% corresponding to tuning frequencies of 210 Hz, 189 Hz and 134 Hz, for fundamental frequency of 50 Hz)</li><li>• Rated Voltage: (230 V to 690 V)</li><li>• Available in three designs<ol style="list-style-type: none"><li>1. Aluminum Strip Wound</li><li>2. Aluminum Foil Wound</li><li>3. Copper Conductor wound</li></ol></li></ul>
	Features	<ul style="list-style-type: none"><li>• Highest linearity, low risk of reactor tilting</li><li>• High over loading capability</li><li>• Safety device - temperature micro switch</li><li>• Low losses and noise level</li><li>• Low weight in case of aluminum windings</li><li>• Type tested at CPRI.</li></ul>
	Specification	-

Type	Rating KVAR	Voltage V V(AC)	Description	Material Code	MRP Per Pc price list in INR
Three Phase Detuned Filter Reactor (Aluminium Wound)					
HFR - AL - 7% DETUNED	5.0	440	REACTOR 7%, 440V/50Hz, 5 Kvar, 173% AL S	B44066D7005K440	8,278
HFR - AL - 7% DETUNED	10	440	REACTOR 7%, 440V/50 Hz, 10 Kvar, 173% AL	B44066D7010K440	10,068
HFR - AL - 7% DETUNED	12.5	440	REACTOR 7%, 440V/50 Hz, 12.5 Kvar, 173%,	B44066D7012K440	10,292
HFR - AL - 7% DETUNED	15	440	REACTOR 7%, 440V/50 Hz, 15 Kvar, 173% AL	B44066D7015K440	14,655
HFR - AL - 7% DETUNED	20	440	REACTOR 7%, 440V/50 Hz, 20 Kvar, 173% AL	B44066D7020K440	16,109
HFR - AL - 7% DETUNED	25	440	REACTOR 7%, 440V/50 Hz, 25 Kvar, 173% AL	B44066D7025K440	16,669
HFR - AL - 7% DETUNED	30	440	REACTOR 7%,440V/50Hz,30Kvar,173%AL-STRIP	B44066D7030K440	17,564
HFR - AL - 7% DETUNED	40	440	REACTOR 7% 440V/50 Hz, 40 KVAR, 173%, AL	B44066D7040K440	24,612
HFR - AL - 7% DETUNED	50	440	REACTOR 7%, 440V/50 Hz, 50 Kvar, 173% AL	B44066D7050K440	25,283
HFR - AL - 7% DETUNED	60	440	REACTOR 7%, 440V/50 Hz, 60 Kvar AL 173%	B44066D7060E440	29,982
HFR - AL - 7% DETUNED	75	440	REACTOR 7% 440V/ 50 Hz, 75 KVAR, AL	B44066D7075E440	44,077
HFR - AL - 7% DETUNED	80	440	REACTOR 7%,440V/50Hz,80Kvar AL173%	B44066D7080E440	44,749
HFR - AL - 7% DETUNED	100	440	H.FILTER REACTOR 100KVAR , 7%, 440v	B44066D7100E440	50,342
HFR - AL - 7% DETUNED	5.0	415	REACTOR 5 Kvar/ 415V, 50Hz 173% AL STRIP	B44066D7005K415	8,950
HFR - AL - 7% DETUNED	10	415	REACTOR 10 Kvar/ 415V, 50Hz 173% AL STRI	B44066D7010K415	10,852
HFR - AL - 7% DETUNED	15	415	REACTOR 7%,415V/50Hz,15Kvar,173%AL STRIP	B44066D7015K415	15,438
HFR - AL - 7% DETUNED	20	415	REACTOR 7% 415V/50Hz, 20 KVAR AI St, 173	B44066D7020K415	16,557
HFR - AL - 7% DETUNED	25	415	REACTOR 7%-415V/50Hz,25Kvar,173% ALSTRIP	B44066D7025K415	17,452
HFR - AL - 7% DETUNED	30	415	REACTOR 7%, 415V/50Hz, 30 KVAR, 173%, AL	B44066D7030K415	17,899
HFR - AL - 7% DETUNED	35	415	REACTOR 7% 415V/50Hz,35kVAR AL Strip	B44066D7035K415	18,123
HFR - AL - 7% DETUNED	50	415	REACTOR 7%-415V/50Hz,50Kvar,173% ALSTRIP	B44066D7050K415	25,507
HFR - AL - 7% DETUNED	75	415	REACTOR 7%-415V/50Hz,75Kvar,173% AL Foil	B44066D7075E415	44,525
HFR - AL - 7% DETUNED	100	415	REACTOR 7%-415V/50HZ,100KVAR,173% ALFOIL	B44066D7100E415	49,671
HFR - AL - 7% DETUNED	5.0	440	H.FILTER REACTOR 5KVAR , 7%, 440v	B44066D7005E440	9,509
HFR - AL - 7% DETUNED	10	440	H.FILTER REACTOR 10KVAR,7%,440V	B44066D7010E440	13,145
HFR - AL - 7% DETUNED	15	440	H.FILTER REACTOR 15KVAR , 7%, 440v	B44066D7015E440	20,808

# Film Capacitors

## PFC Capacitors and Key Components

Type	Rating KVAR	Voltage V V(AC)	Description	Material Code	MRP Per Pc price list in INR
<b>Three Phase Detuned Filter Reactor (Aluminium Wound)</b>					
HFR - AL - 7% DETUNED	25	440	H.FILTER REACTOR 25KVAR , 7%, 440	B44066D7025E440	21,479
HFR - AL - 7% DETUNED	30	440	REACTOR 7%, 440V/50 Hz, 30 Kvar AL 173%	B44066D7030E440	21,927
HFR - AL - 7% DETUNED	40	440	H.FILTER REACTOR 40KVAR , 7%, 440v	B44066D7040E440	25,283
HFR - AL - 7% DETUNED	50	440	H.FILTER REACTOR 50KVAR,7%,440V	B44066D7050E440	27,185
HFR - AL - 7% DETUNED	5.0	690	REACTOR 7% - 690V / 50HZ, 5KVAR, AL	B44066D7005K690	11,877
HFR - AL - 7% DETUNED	10	690	REACTOR 7% - 690V / 50HZ, 10KVAR, AL	B44066D7010K690	16,170
HFR - AL - 7% DETUNED	25	690	REACTOR 7%-690V/50Hz,25Kvar,173%,ALSTRIP	B44066D7025K690	23,098
HFR - AL - 7% DETUNED	50	690	REACTOR 7% - 690V / 50Hz, 50Kvar, AL str	B44066D7050K690	35,991
HFR - AL - 7% DETUNED	25	690	REACTOR 7%,690V/50Hz,25kVar,173%,AL Foil	B44066D7025E690	31,328
HFR - AL - 7% DETUNED	50	690	REACTOR 7%,690V/50Hz,50kVar,173%,AL Foil	B44066D7050E690	48,343
HFR - AL - 14% DETUNED	10	440	H.FILTER REACTOR 10KVAR, 14%	B44066D1410K440	14,208
HFR - AL - 14% DETUNED	15	440	REACTOR 14% -440V / 50Hz, 15Kvar,143% AL	B44066D1415K440	17,899
HFR - AL - 14% DETUNED	20	440	REACTOR 14%-440V/50Hz,20Kvar,143%AL-Strp	B44066D1420K440	26,402
HFR - AL - 14% DETUNED	5.0	440	REACTOR 14% -440V / 50Hz,5Kvar,143% AL	B44066D1405E440	11,187
HFR - AL - 14% DETUNED	10	440	REACTOR 14% 440V / 50Hz, 10 KVAR, AL	B44066D1410E440	20,361
HFR - AL - 14% DETUNED	15	440	REACTOR 14% -440V / 50Hz, 15Kvar,143% AL	B44066D1415E440	23,493
HFR - AL - 14% DETUNED	25	440	REACTOR 14%, 433/440 Volt,50C/s,25 KVAR	B44066D1425E440	34,009
HFR - AL - 14% DETUNED	50	440	REACTOR 14%, 433/440 Volt,50C/s, 50 KVA	B44066D1450E440	51,461
HFR - AL - 14% DETUNED	100	440	REACTOR 14%, 433/440 Volt,50C/s,100 KVA	B44066D1499E440	110,753
HFR -AL-5.67% DETUNED	5.0	440	REACTOR 5.67% - 440V / 50HZ, 5KVAR, 200%	B44066D5005K440	8,502
HFR -AL-5.67% DETUNED	10	440	REACTOR 5.67% 440V 50Hz,10Kvar,200%,AL	B44066D5010K440	10,292
HFR -AL-5.67% DETUNED	15	440	REACTOR 5.67% 440V 50HZ,15KVAR,200%,AL	B44066D5015K440	15,103
HFR -AL-5.67% DETUNED	25	440	REACTOR 5.67% - 440V / 50Hz, 25Kvar, 200	B44066D5025K440	17,228
HFR -AL-5.67% DETUNED	50	440	REACTOR 5.67%-440V/50Hz,50Kvar,200%	B44066D5050K440	26,066
<b>Three Phase Detuned Filter Reactor (Copper Wound)</b>					
HFR - CU - 7% DETUNED	5.0	440	REACTOR 7%-440V/50Hz,5Kvar,173%,CU	B44066D7005J440	10,802
HFR - CU - 7% DETUNED	10	440	REACTOR 7%-440V/50Hz,10Kvar,173%,CU	B44066D7010J440	15,101
HFR - CU - 7% DETUNED	12.5	440	REACTOR 12.5 KVAr, 7%, 440V 173% Cu	B44066D7012J440	14,713
HFR - CU - 7% DETUNED	15	440	REACTOR 7%, 440V/50Hz, 15 Kvar CU 173%	B44066D7015J440	22,260
HFR - CU - 7% DETUNED	20	440	REACTOR 7%, 440V/50 Hz, 20 Kvar, 173% CU	B44066D7020J440	23,039
HFR - CU - 7% DETUNED	25	440	REACTOR Cu 7%,440V/50Hz, 25 KVAR,173%	B44066D7025J440	23,478
HFR - CU - 7% DETUNED	50	440	REACTOR 7%- 440V/50Hz, 50 KVAR,173% Cu	B44066D7050J440	35,410
HFR - CU - 7% DETUNED	75	440	REACTOR 7%,440V/50 Hz, 75kVAR, Cu, 173%	B44066D7075J440N 1	58,399
HFR - CU - 7% DETUNED	100	440	PFC REACTOR 7% 440V/50Hz,100 Kvar Cu str	B44066D7100J440	75,056
HFR - CU - 7% DETUNED	5.0	415	REACTOR 7%-415V/50Hz,5Kvar,173%,Cu	B44066D7005J415	11,430
HFR - CU - 7% DETUNED	10	415	REACTOR 10 Kvar 7%, 415V Copper Wound	B44066D7010J415	14,745
HFR - CU - 7% DETUNED	12.5	415	REACTOR 12.5 KVAr, 415V, 50Hz, 173% CU	B44066D7012J415	14,957
HFR - CU - 7% DETUNED	15	415	REACTOR 15 Kvar 7%, 415V Copper Wound	B44066D7015J415	21,401
HFR - CU - 7% DETUNED	20	415	REACTOR 20 KVAr, 415V, 50Hz, 173% CU	B44066D7020J415	22,630
HFR - CU - 7% DETUNED	25	415	REACTOR 25 KVAr, 415V, 50HZ , 173% CU	B44066D7025J415	23,604
HFR - CU - 7% DETUNED	50	415	REACTOR 50 KVAr, 415V, 50Hz, 173% CU	B44066D7050J415	35,021

# Film Capacitors

## PFC Capacitors and Key Components

Type	Rating KVAR	Voltage V V(AC)	Description	Material Code	MRP Per Pc price list in INR
<b>Three Phase Detuned Filter Reactor (Copper Wound)</b>					
HFR - CU - 7% DETUNED	75	415	REACTOR 7%, 415V/50Hz, 75 Kvar,173%, CU	B44066D7075J415	59,549
HFR - CU - 7% DETUNED	100	415	REACTOR 100 Kvar 7%, 415V Copper Wound	B44066D7100J415	74,419
HFR - CU - 14% DETUNED	5.0	440	REACTOR 14%, 440V/50HZ, 5KVAR,143%, CU	B44066D1405J440	12,515
HFR - CU - 14% DETUNED	10	440	REACTOR 14%, 440V/50HZ, 10KVAR,143%, CU	B44066D1410J440	26,492
HFR - CU - 14% DETUNED	12.5	440	REACTOR 14%, 440V/50HZ, 12.5KVAR,143%,CU	B44066D1412J440	25,779
HFR - CU - 14% DETUNED	15	440	REACTOR 14%, 440V/50HZ, 15KVAR,143%, CU	B44066D1415J440	26,373
HFR - CU - 14% DETUNED	20	440	REACTOR 14%, 440V/50HZ, 20KVAR,143%, CU	B44066D1420J440	32,965
HFR - CU - 14% DETUNED	25	440	REACTOR 14%-440V/50HZ,25KVAR,CU STRIPE	B44066D1425J440	44,578
HFR - CU - 14% DETUNED	50	440	REACTOR 14%-440V/50HZ,50KVAR,CU STRIPE	B44066D1450J440	71,026
HFR - CU - 14% DETUNED	75	440	REACTOR 14%, 440V/50HZ, 75KVAR,143%, CU	B44066D1475J440	89,742
HFR - CU - 14% DETUNED	100	440	REACTOR 100KVAR, 14%,440V,50HZ, 143%,CU	B44066D1499J440	116,172
HFR-CU-5.67% DETUNED	5.0	440	REACTOR 5.67% - 440V/50Hz,5Kvar,200%,Cu	B44066D5005J440	15,084
HFR-CU-5.67% DETUNED	10	440	REACTOR 5.67% 440V/50Hz, 10KVAR CU 200%	B44066D5010J440	12,531
HFR-CU-5.67% DETUNED	12.5	440	REACTOR 5.67% 440V/50Hz, 12.5KVAR, CU	B44066D5012J440	16,804
HFR-CU-5.67% DETUNED	25	440	REACTOR 5.67%-440V / 50Hz, 25Kvar, 200%,	B44066D5025J440	21,005
HFR-CU-5.67% DETUNED	-	440	REACTOR 5.67%-440V / 50Hz, 50Kvar, 200%,	B44066D5050J440	31,137
HFR-CU-5.67% DETUNED	100	440	REACTOR 5.67%-440V/ 50Hz, 100Kvar, 200%,	B44066D5100J440	79,727
HFR - CU - 7% DETUNED	5.0	440	REACTOR 7%, 440V/50Hz, 5 Kvar Cu 200%	B44066D7005F440	16,428
HFR - CU - 7% DETUNED	10	440	PFC REACTOR 7% 440V/50Hz,10 Kvar,200%,CU	B44066D7010F440	18,187
HFR - CU - 7% DETUNED	12.5	440	REACTOR 7% - 440V / 50Hz, 12.5Kvar ,200%	B44066D7012F440	19,791
HFR - CU - 7% DETUNED	20	440	PFC REACTOR 7% 440V/50Hz,20 Kvar,200%,CU	B44066D7020F440	26,117
HFR - CU - 7% DETUNED	25	440	PFC REACTOR 7% 440V/50Hz,25 Kvar,200%,CU	B44066D7025F440	28,024
HFR - CU - 7% DETUNED	50	440	PFC REACTOR 7% 440V/50Hz,50Kvar,200%Cu	B44066D7050F440	49,694
HFR - CU - 7% DETUNED	100	440	PFC REACTOR 7% 440V/50Hz,100Kvar,200%,CU	B44066D7100F440	61,102
HFR - CU - 14% DETUNED	10	440	REACTOR 14%-440V/50Hz,10KVAR 200%, CU	B44066D1410F440	23,876
HFR - CU - 14% DETUNED	15	440	REACTOR 14%-440V/50Hz,15KVAR, 200% CU	B44066D1415F440	28,207
HFR - CU - 14% DETUNED	25	440	REACTOR 14%-440V/50Hz,25KVAR, 200% CU	B44066D1425F440	47,941
HFR - CU - 14% DETUNED	50	440	REACTOR 14%-440V/50Hz,50KVAR, 200% CU	B44066D1450F440	62,360

# Film Capacitors

PFC Capacitors and Key Components

## Combo Products

Rating KVAR	Description	Material Code	MRP Per Pc price list in INR
<b>Combo with PhaseCap SHD Capacitor</b>			
5.0	LTCOMBO 5KVAR 440V 7% +480V Phasecap SHD New	B25171C0005D582	11,027
10	LTCOMBO 10KVAR 440V 7% +480V Phasecap SHD New	B25171C0010D582	13,531
12.5	LTCOMBO 12.5KVAR 440V 7% +480V Phasecap SHD New	B25171C0012D582	13,619
15	LTCOMBO 15KVAR 440V 7% +480V Phasecap SHD New	B25171C0015D582	19,062
20	LTCOMBO 20KVAR 440V 7% +480V Phasecap SHD New	B25171C0020D582	21,492
25	LTCOMBO 25KVAR 440V 7% +480V Phasecap SHD New	B25171C0025D582	22,741
50	LTCOMBO 50KVAR 440V 7% +480V Phasecap SHD New	B25171C0050D582	37,522
75	LT COMBO 75KVAR 440V 7% +480V Phasecap SHD New	B25171C0075D581	62,107
100	LTCOMBO 100KVAR 440V 7% +480V Phasecap SHD New	B25171C0099D585	74,771
5.0	LTCOMBO 5KVAR 440V 7% +525V Phasecap SHD New	B25171C0005E582	11,126
10	LTCOMBO 10KVAR 440V 7% +525V Phasecap SHD New	B25171C0010E582	13,752
12.5	LT COMBO 12.5KVAR 440V 7%SR +525V Cap SHD	B25171C0012E581	15,276
15	LTCOMBO 15KVAR 440V 7% +525V Phasecap SHD New	B25171C0015E582	19,690
20	LTCOMBO 20KVAR 440V 7% +525V Phasecap SHD New	B25171C0020E582	22,109
25	LTCOMBO 25KVAR 440V 7% +525V Phasecap SHD New	B25171C0025E583	24,363
50	LTCOMBO 50KVAR 440V7% +525V Phasecap SHD New	B25171C0050E583	40,764
75	LTCOMBO 75KVAR 440V 7% +525V Phasecap SHD New	B25171C0075E583	66,968
100	LTCOMBO 100KVAR440V 7% +525V Phasecap SHD New	B25171C0099E586	81,254
5.0	LT COMBO 5KVAR 440V7% CUSR +480V Phasecap SHD	B25171C0005D587	13,447
10	LT COMBO 10KVAR 440V 7%CUSR +480V Phasecap SHD	B25171C0010D587	17,982
12.5	LTCOMBO 12.5KVAR 440V 7% CUSR +480V Phasecap SHD	B25171C0012D587	17,658
15	LT COMBO 15KVAR 440V 7% CUSR +480V Phasecap SHD	B25171C0015D587	25,604
20	LT COMBO 20KVAR 440V 7% CUSR +480V Phasecap SHD	B25171C0020D587	27,474
25	LT COMBO 25KVAR 440V 7% CUSR +480V Phasecap SHD	B25171C0025D587	27,945
50	LT COMBO 50 KVAR 440V 7% CUSR +480V Phasecap SHD	B25171C0050D587	45,678
75	LT COMBO 75KVAR 440V 7% CUSR +480V Phasecap SHD	B25171C0075D587	74,258
100	LT COMBO 100KVAR 440V 7% CUSR +480V Phasecap SHD	B25171C0099D587	96,264
5.0	LT COMBO 5KVAR 440V 7% CUSR +525V Phasecap SHD	B25171C0005E587	13,232
10	LT COMBO 10KVAR 440V 7% CUSR +525V Phasecap SHD	B25171C0010E587	18,213
12.5	LT COMBO 12.5KVAR 440V 7% CUSR +525V Phasecap SHD	B25171C0012E587	19,347
15	LT COMBO 15KVAR 440V 7% CUSR +525V Phasecap SHD	B25171C0015E587	26,260
20	LT COMBO 20KVAR 440V 7% CUSR +525V Phasecap SHD	B25171C0020E587	28,119
25	LT COMBO 25KVAR 440V 7% CUSR +525V Phasecap SHD	B25171C0025E587	29,639
50	LT COMBO 50KVAR 440V 7% CUSR +525V Phasecap SHD	B25171C0050E587	49,064
75	LT COMBO 75KVAR 440V 7% CUSR +525V Phasecap SHD	B25171C0075E587	79,338
100	LT COMBO100KVAR 440V 7% CUSR +525V Phasecap SHD	B25171C0099E587	103,035
5.0	LT COMBO 5KVAR 440V 14% SR +525V Phasecap SHD	B25171C0005E684	15,019
10	LT COMBO 10KVAR 440V14%SR+525VPhascapSHD	B25171C0010E684	28,750
25	LT COMBO 25KVAR 440V 14% SR +525V Phasecap SHD	B25171C0025E684	43,778



# Film Capacitors

## PFC Capacitors and Key Components

Rating KVAR	Description	Material Code	MRP Per Pc price list in INR
<b>Combo with PhaseCap SHD Capacitor</b>			
50	LT COMBO 50KVAR 440V 14% SR +525V Phasecap SHD	B25171C0050E684	69,496
50	LT COMBO 50KVAR 440V 14% CUSR +525V Phasecap SHD	B25171C0050E687	81,670
100	LTCOMBO 100KVAR 440V 14% CUSR +525V Phasecap SHD	B25171C0099E687	146,994
<b>Combo with Phasecap Energy HD Capacitor and Al reactor</b>			
5.0	LTCOMBO 5KVAR 440V 7% +PhasecapEnergy HD480	B25171C 5D591	11,703
10	LTCOMBO 10KVAR 440V 7% +PhasecapEnergy HD480	B25171C 10D591	13,935
12.5	LTCOMBO 12.5KVAR 440V 7% +PhasecapEnergy HD	B25171C 12D591	14,185
15	LTCOMBO 15KVAR 440V 7% +PhasecapEnergy HD480	B25171C 15D591	19,539
20	LTCOMBO 20KVAR 440V 7% +PhasecapEnergy HD480	B25171C 20D591	21,730
25	LTCOMBO 25KVAR 440V 7% +PhasecapEnergy HD480	B25171C 25D591	23,143
50	LTCOMBO 50KVAR 440V 7% +PhasecapEnergy HD480	B25171C 50D591	38,328
75	LTCOMBO 75KVAR 440V 7% +PhasecapEnergy HD480	B25171C 75D594	63,099
100	LTCOMBO 100KVAR 440V 7% +PhasecapEnergy HD480	B25171C 99D594	76,187
5.0	LTCOMBO 5KVAR 440V 7% +PhasecapEnergy HD525	B25171C 5E591	11,761
10	LTCOMBO 10KVAR 440V 7% +PhasecapEnergy HD525	B25171C 10E591	14,173
12.5	LTCOMBO 12.5KVAR 440V 7% +PhasecapEnergy HD	B25171C 12E591	15,094
15	LTCOMBO 15KVAR 440V 7% +PhasecapEnergy HD525	B25171C 15E591	20,166
20	LTCOMBO 20KVAR 440V 7% +PhasecapEnergy HD525	B25171C 20E591	22,310
25	LTCOMBO 25KVAR 440V 7% +PhasecapEnergy HD525	B25171C 25E591	24,551
50	LTCOMBO 50KVAR 440V 7% +PhasecapEnergy HD52	B25171C 50E591	39,143
75	LTCOMBO 75KVAR 440V 7% +PhasecapEnergy HD52	B25171C 75E594	67,323
100	LTCOMBO 100KVAR 440V 7% +PhasecapEnergy HD525	B25171C 99E594	81,820
<b>Combo with Phasecap Energy HD Capacitor and Cu reactor</b>			
5.0	LTCOMBO 5KVAR 440V 7% CUSR 480V PhasecapEnergy HD	B25171C 5D597	14,079
10	LTCOMBO 10KVAR 440V 7% CUSR 480V PhasecapEnergy HD	B25171C 10D597	18,663
12.5	LTCOMBO 12.5KVAR 440V 7% CUS +480V PhasecapEnergy HD	B25171C 12D597	18,433
15	LTCOMBO 15KVAR 440V 7% CUSR 480V PhasecapEnergy HD	B25171C 15D597	26,540
20	LTCOMBO 20KVAR 440V 7% CUSR 480V PhasecapEnergy HD	B25171C 20D597	28,071
25	LTCOMBO 25KVAR 440V 7% CUSR 480V PhasecapEnergy HD	B25171C 25D597	29,476
50	LTCOMBO 50KVAR 440V 7% CUSR 480V PhasecapEnergy HD	B25171C 50D597	47,912
75	LTCOMBO 75KVAR 440V 7% CUSR 480V PhasecapEnergy HD	B25171C 75D597	76,148
100	LTCOMBO 100KVAR 440V 7% CUSR 480V PhasecapEnergy HD	B25171C 99D597	98,876
5.0	LTCOMBO 5KVAR 440V 7% CUSR 525V PhasecapEnergy HD	B25171C 5E597	14,140
10	LTCOMBO 10KVAR 440V 7% CUSR 525V PhasecapEnergy HD	B25171C 10E597	18,911
12.5	LTCOMBO 12.5KVAR 440V 7% CUSR 525V PhasecapEnergy HD	B25171C 12E597	19,383
15	LTCOMBO 15KVAR 440V 7% CUSR 525V PhasecapEnergy HD	B25171C 15E597	27,195
20	LTCOMBO 20KVAR 440V 7% CUSR 525V PhasecapEnergy HD	B25171C 20E597	28,678
25	LTCOMBO 25KVAR 440V 7% CUSR 525V PhasecapEnergy HD	B25171C 25E597	29,901
50	LTCOMBO 50KVAR 440V 7% CUSR 525V PhasecapEnergy HD	B25171C 50E597	48,762

# Film Capacitors

## PFC Capacitors and Key Components

Rating KVAR	Description	Material Code	MRP Per Pc price list in INR
Combo with Phasecap Energy HD Capacitor and Cu reactor			
75	LTCOMBO 75KVAR 440V 7% CUSR 525V PhasecapEnergy HD	B25171C 75E597	80,561
100	LTCOMBO 100KVAR 440V 7% CUSR 525V PhasecapEnergy HD	B25171C 99E597	104,759
Combo with PhiCap HD Capacitor and Al reactor			
5.0	LT COMBO 5KVAR 440V 7% SR+480V PhicapHD1	B25171C0005D532	10,090
10	LT COMBO 10KVAR 440V 7% SR+480V PhicapHD1	B25171C0010D532	12,378
12.5	LT COMBO 12.5KVAR 440V7%SR+480V PhicapHD1	B25171C0012D532	12,894
15	LT COMBO 15KVAR 440V 7% SR+480V PhicapHD1	B25171C0015D532	18,062
20	LT COMBO 20KVAR 440V 7% SR+480V PhicapHD1	B25171C0020D532	19,938
25	LT COMBO 25KVAR 440V 7% SR+480V PhicapHD1	B25171C0025D532	20,872
50	LT COMBO 50KVAR 440V 7% SR+480V PhicapHD1	B25171C0050D532	33,801
75	LT COMBO 75KVAR 440V 7% SR+480V PhicapHD1	B25171C0075D532	56,278
100	LT COMBO 100KVAR 440V 7%SR+480V PhicapHD1	B25171C0099D535	67,345
5.0	LT COMBO 5KVAR 440V 7% SR+525V PhicapHD1	B25171C0005E532	10,403
10	LT COMBO 10KVAR 440V 7% SR+525V PhicapHD1	B25171C0010E532	12,907
12.5	LT COMBO 12.5KVAR 440V7%SR+525V PhicapHD1	B25171C0012E532	13,505
15	LT COMBO 15KVAR 440V 7% SR+525V PhicapHD1	B25171C0015E532	18,572
20	LT COMBO 20KVAR 440V 7% SR+525V PhicapHD1	B25171C0020E532	20,572
25	LT COMBO 25KVAR 440V 7% SR+525V PhicapHD1	B25171C0025E532	23,138
50	LT COMBO 50KVAR 440V 7% SR+525V PhicapHD1	B25171C0050E532	38,337
75	LT COMBO 75KVAR 440V 7% SR+525V PhicapHD1	B25171C0075E532	63,081
100	LT COMBO 100KVAR 440V 7%SR+525V PhicapHD1	B25171C0099E535	76,413
5.0	LT COMBO 5KVAR 440V 14% SR+525V PhicapHD	B25171C0005E631	13,939
10	LT COMBO 10KVAR 440V 14% SR+525V PhicapHD	B25171C0010E631	17,540
12.5	LT COMBO 12.5KVAR 440V 14% SR+525V PhicapHD	B25171C0012E631	18,137
15	LT COMBO 15KVAR 440V 14% SR+525V PhicapHD	B25171C0015E631	21,393
20	LT COMBO 20KVAR 440V 14% SR+525V PhicapHD	B25171C0020E631	30,389
25	LT COMBO 25KVAR 440V 14% SR+525V PhicapHD	B25171C0025E634	40,479
50	LT COMBO 50KVAR 440V 14% SR+525V PhicapHD	B25171C0050E634	64,375
Combo with PhiCap HD Capacitor and Cu reactor			
5.0	LT COMBO 5KVAR 440V7%CUSR+480V PhicapHD1	B25171C0005D537	12,002
10	LT COMBO 10KVAR 440V7%CUSR+480V PhicapHD1	B25171C0010D537	16,471
12.5	LT COMBO 12.5KVAR440V7%CUSR480V PhicapHD1	B25171C0012D537	17,024
15	LT COMBO 15KVAR 440V7%CUSR+480V PhicapHD1	B25171C0015D537	23,848
20	LT COMBO 20KVAR 440V7%CUSR+480V PhicapHD1	B25171C0020D537	24,360
25	LT COMBO 25KVAR 440V7%CUSR+480V PhicapHD1	B25171C0025D537	26,091
50	LT COMBO 50KVAR 440V7%CUSR+480V PhicapHD1	B25171C0050D537	41,213
75	LT COMBO 75KVAR 440V7%CUSR+480V PhicapHD1	B25171C0075D537	68,440
100	LT COMBO 100KVAR440V7%CUSR+480V PhicapHD1	B25171C0099D537	86,793
5.0	LT COMBO 5KVAR 440V 7%CUSR+525V PhicapHD1	B25171C0005E537	12,416
10	LT COMBO 10KVAR 440V7%CUSR+525V PhicapHD1	B25171C0010E537	17,024

# Film Capacitors

## PFC Capacitors and Key Components

Rating KVAR	Description	Material Code	MRP Per Pc price list in INR
<b>Combo with PhiCap HD Capacitor and Cu reactor</b>			
12.5	LT COMBO 12.5KVAR440V7%CUR+525V PhicapHD1	B25171C0012E537	17,662
15	LT COMBO 15KVAR 440V7%CUR+525V PhicapHD1	B25171C0015E537	24,379
20	LT COMBO 20KVAR 440V7%CUR+525V PhicapHD1	B25171C0020E537	25,023
25	LT COMBO 25KVAR 440V7%CUR+525V PhicapHD1	B25171C0025E537	28,459
50	LT COMBO 50KVAR 440V7%CUR+525V PhicapHD1	B25171C0050E537	45,950
75	LT COMBO 75KVAR 440V7%CUR+525V PhicapHD1	B25171C0075E537	75,543
100	LT COMBO 100KVAR440V7%CUR+525V PhicapHD1	B25171C0099E537	96,266
5.0	LT COMBO 5KVAR 440V 14% CUR+525V PhicapHD	B25171C0005E637	14,191
10	LT COMBO 10KVAR 440V 14% CUR+525V PhicapHD	B25171C0010E637	27,021
12.5	LT COMBO 12.5KVAR 440V 14% CUR+525V PhicapHD	B25171C0012E637	23,891
15	LT COMBO 15KVAR 440V 14% CUR+525V PhicapHD	B25171C0015E637	29,116
20	LT COMBO 20KVAR 440V 14% CUR+525V PhicapHD	B25171C0020E637	35,847
25	LT COMBO 25KVAR 440V 14% CUR+525V PhicapHD	B25171C0025E637	48,985
50	LT COMBO 50KVAR 440V 14% CUR+525V PhicapHD	B25171C0050E637	81,774
75	LT COMBO 75KVAR 440V 14% CUR+525V PhicapHD	B25171C0075E637	105,623
100	LT COMBO 100KVAR 440V 14%CUR+525V PhicapHD	B25171C0099E637	128,381
<b>Combo with EHDLL HD Capacitor and Al reactor</b>			
5.0	LT COMBO 5KVAR 440V 7% SR+480V EHDLL Cap	B25171C 5D551	10,003
10	LT COMBO 10KVAR 440V 7% SR+480V EHDLL Cap	B25171C 10D551	13,498
15	LT COMBO 15KVAR 440V 7% SR+480V EHDLL Cap	B25171C 15D551	20,449
20	LT COMBO 20KVAR 440V 7% SR+480V EHDLL Cap	B25171C 20D551	22,870
25	LT COMBO 25KVAR 440V 7% SR+480V EHDLL Cap	B25171C 25D551	23,877
50	LT COMBO 50KVAR 440V 7% SR+480V EHDLL Cap	B25171C 50D551	38,664
100	LT COMBO 100KVAR 440V 7%SR+480V EHDLL Cap	B25171C 99D554	76,860
5.0	LT COMBO 5KVAR 440V 7% SR+525V EHDLL Cap	B25171C 5E551	11,377
10	LT COMBO 10KVAR 440V 7% SR+525V EHDLL Cap	B25171C 10E551	13,970
15	LT COMBO 15KVAR 440V 7% SR+525V EHDLL Cap	B25171C 15E551	21,062
20	LT COMBO 20KVAR 440V 7% SR+525V EHDLL Cap	B25171C 20E551	22,952
25	LT COMBO 25KVAR 440V 7% SR+525V EHDLL Cap	B25171C 25E551	25,041
50	LT COMBO 50KVAR 440V 7% SR+525V EHDLL Cap	B25171C 50E551	42,123
100	LT COMBO 100KVAR 440V 7%SR+525V EHDLL Cap	B25171C 99E554	83,777
<b>Combo with APP COMP Capacitor</b>			
5.0	LT COMBO 5KVAR 440V 7%ALStp+480V APP Comp	B25171C0005D542	16,252
10	LT COMBO 10KVAR 440V 7%ALStp+480V APP Comp	B25171C0010D542	20,684
15	LT COMBO 15KVAR 440V 7%ALStp+480V APP Comp	B25171C0015D542	29,713
20	LT COMBO 20KVAR 440V 7%ALStp+480V APP Comp	B25171C0020D542	32,832
25	LT COMBO 25KVAR 440V 7%ALStp+480V APP Comp	B25171C0025D542	34,364
50	LT COMBO 50KVAR 440V 7%ALStp+480V APP Comp	B25171C0050D542	53,789
100	LT COMBO 100KVAR 440V7%ALStp+480V APP Comp	B25171C0099D542	107,579
5.0	LT COMBO 5KVAR 440V 7%ALStp+525V APP Comp	B25171C0005E542	17,182

# Film Capacitors

PFC Capacitors and Key Components

Rating KVAR	Description	Material Code	MRP Per Pc price list in INR
Combo with APP COMP Capacitor			
10	LT COMBO 10KVAR 440V 7%ALStp+525V APP Comp	B25171C0010E542	20,793
15	LT COMBO 15KVAR 440V 7%ALStp+525V APP Comp	B25171C0015E542	29,877
20	LT COMBO 20KVAR 440V7%ALStp+525V APP Comp	B25171C0020E542	34,364
25	LT COMBO 25KVAR 440V7%ALStp+525V APP Comp	B25171C0025E542	36,990
50	LT COMBO 50KVAR 440V7%ALStp+525V APP Comp	B25171C0050E542	59,097
100	LT COMBO 100KVAR 440V 7%ALStp+525V APP Comp	B25171C0099E542	118,194

**Note:** The above mentioned prices are subject to change without notice.

Capacitor (KVAR) selection chart

Current (ACTUAL) Tan φ		achievable (TARGET) cos φ							TARGET Cos φ = 0.96		
									Cos φ ≤1		
		Factor F							Q=P <sub>mot</sub> x F(0.96)=...(KVAR) 100 x 1.01=101.0 KVAR		
		0.80	0.82	0.85	0.88	0.90	0.92	0.94	0.96	0.98	1.00
3.18	0.30	2.43	2.48	2.56	2.64	2.70	2.75	2.82	2.89	2.98	3.18
2.96	0.32	2.21	2.26	2.34	2.42	2.48	2.53	2.60	2.67	2.76	2.96
2.77	0.34	2.02	2.07	2.15	2.23	2.28	2.34	2.41	2.48	2.56	2.77
2.59	0.36	1.84	1.89	1.97	2.05	2.10	2.17	2.23	2.30	2.39	2.59
2.43	0.38	1.68	1.73	1.81	1.89	1.95	2.01	2.07	2.14	2.23	2.43
2.29	0.40	1.54	1.59	1.67	1.75	1.81	1.87	1.93	2.00	2.09	2.29
2.16	0.42	1.41	1.46	1.54	1.62	1.68	1.73	1.80	1.87	1.96	2.16
2.04	0.44	1.29	1.34	1.42	1.50	1.56	1.61	1.68	1.75	1.84	2.04
1.93	0.46	1.18	1.23	1.31	1.39	1.45	1.50	1.57	1.64	1.73	1.93
1.83	0.48	1.08	1.13	1.21	1.29	1.34	1.40	1.47	1.54	1.62	1.83
1.73	0.50	0.98	1.03	1.11	1.19	1.25	1.31	1.37	1.45	1.63	1.73
1.64	0.52	0.89	0.94	1.02	1.10	1.16	1.22	1.28	1.35	1.44	1.64
1.56	0.54	0.81	0.86	0.94	1.02	1.07	1.13	1.20	1.27	1.36	1.56
1.48	0.56	0.73	0.78	0.86	0.94	1.00	1.05	1.12	1.19	1.28	1.48
1.40	0.58	0.65	0.70	0.78	0.86	0.92	0.98	1.04	1.11	1.20	1.40
1.33	0.60	0.58	0.63	0.71	0.79	0.85	0.91	0.97	1.04	1.13	1.33
1.30	0.61	0.55	0.60	0.68	0.76	0.81	0.87	0.94	1.01	1.10	1.30
1.27	0.62	0.52	0.57	0.65	0.73	0.78	0.84	0.91	0.99	1.06	1.27
1.23	0.63	0.48	0.53	0.61	0.69	0.75	0.81	0.87	0.94	1.03	1.23
1.20	0.64	0.45	0.50	0.58	0.66	0.72	0.77	0.84	0.91	1.00	1.20
1.17	0.65	0.42	0.47	0.55	0.63	0.68	0.74	0.81	0.88	0.97	1.17
1.14	0.66	0.39	0.44	0.52	0.60	0.65	0.71	0.78	0.85	0.94	1.14
1.11	0.67	0.36	0.41	0.49	0.57	0.63	0.68	0.75	0.82	0.90	1.11
1.08	0.68	0.33	0.38	0.46	0.54	0.59	0.65	0.72	0.79	0.88	1.08
1.05	0.69	0.30	0.35	0.43	0.51	0.56	0.62	0.69	0.76	0.85	1.05
1.02	0.70	0.27	0.32	0.40	0.48	0.54	0.59	0.66	0.73	0.82	1.02
0.99	0.71	0.24	0.29	0.37	0.45	0.51	0.57	0.63	0.70	0.79	0.99
0.96	0.72	0.21	0.26	0.34	0.42	0.48	0.54	0.60	0.67	0.76	0.96
0.94	0.73	0.19	0.24	0.32	0.40	0.45	0.51	0.58	0.65	0.73	0.94
0.91	0.74	0.16	0.21	0.29	0.37	0.42	0.48	0.55	0.62	0.71	0.91
0.88	0.75	0.13	0.18	0.26	0.34	0.40	0.46	0.52	0.59	0.68	0.88
0.86	0.76	0.11	0.16	0.24	0.32	0.37	0.43	0.50	0.57	0.65	0.86
0.83	0.77	0.08	0.13	0.21	0.29	0.34	0.40	0.47	0.54	0.63	0.83
0.80	0.78	0.05	0.10	0.18	0.26	0.32	0.38	0.44	0.51	0.60	0.80
0.78	0.79	0.03	0.08	0.16	0.24	0.29	0.35	0.42	0.49	0.57	0.78
0.75	0.80		0.05	0.13	0.21	0.27	0.32	0.39	0.46	0.55	0.75
0.72	0.81			0.10	0.18	0.24	0.30	0.36	0.43	0.52	0.72
0.70	0.82			0.08	0.16	0.21	0.27	0.34	0.41	0.49	0.70
0.67	0.83			0.05	0.13	0.19	0.25	0.31	0.38	0.47	0.67
0.65	0.84			0.03	0.11	0.16	0.22	0.29	0.36	0.44	0.65
0.62	0.85				0.08	0.14	0.19	0.26	0.33	0.42	0.62
0.59	0.86				0.05	0.11	0.17	0.23	0.30	0.39	0.59
0.57	0.87					0.08	0.14	0.21	0.28	0.36	0.57
0.54	0.88					0.06	0.11	0.18	0.25	0.34	0.54
0.51	0.89					0.03	0.09	0.15	0.22	0.31	0.51
0.48	0.90						0.06	0.12	0.19	0.26	0.48
0.46	0.91						0.03	0.10	0.17	0.25	0.46
0.43	0.92							0.07	0.14	0.22	0.43
0.40	0.93							0.04	0.11	0.19	0.40
0.36	0.94								0.07	0.16	0.36
00..33	95									0.13	0.33

Qc = PA x (tan φ1-tan φ2)  
Qc (kvar) = PA x F = active power (kW) x factor "F"  
PA=S x cos φ = apparent power x cos φ  
tan φ1 + φ2 according to cos φ values ref. Table

**Example:**  
ACTUAL motor power  
Actual cos φ  
TARGET cos φ  
Factor F from table  
P = 100 kW  
0.61  
0.96  
1.01

Capacitor reactive power Qc  
Qc = 100 x 1.01 = 101.0 KVAR



# Cautions

## Mean life expectancy

The mean life expectancy of power capacitors is mainly governed by the following factors:

- Duration of overload,
- Ambient temperature and the resulting case temperature,
- Maximum rms current and the resulting case temperature,
- Voltage intensity (With respect to Capacitor rated voltage) and duration.

## Fuse protection

Power capacitors have to be protected against short circuits by fuses or thermal magnetic over current relays. The fuse rating should be 1.6 to 1.8 times the rated current of the capacitor. Magnetic short circuit relays should be set between 9 to 12 times rated current to prevent them from nuisance tripping. Maximum allowed fault current of 10000 A in accordance with UL 810 standard must be ensured by the application design.

HRC fuses must not be used for switching.

Resulting electric arcing can be very dangerous. It may also cause capacitor failures, and result, worst case, in capacitor bursting and fire.

## Switching of capacitors

When a capacitor is switched to an AC system, the result is a resonant circuit damped to a greater or lesser degree. In addition to the rated current, the capacitor accepts a transient current that is a multiple of its rated current. Special capacitor contactors with leading contacts that feature precharging resistors to damp inrush currents are recommended. As per IEC 60831 standard, a maximum of 5000 switching operations per year is acceptable.

## Discharging

Capacitors must be discharged to a maximum of 10% of rated voltage before they are switched in again. This prevents an electric impulse discharge in the application, influences the capacitor's useful life in PFC systems, and protects against electric

shock. The capacitor must be discharged to 50 V within 60 Sec. Caution: Discharge and short circuit capacitor before handling!

## Capacitors in networks with harmonics

Most international standards limit THD-V on LV side to 5%. However it has to be noted that in many grids these levels are exceeded and even lower distortion, e.g. 3–4% THD-V can generate extreme over current in case of resonance condition. Maximum over current as specified under technical data of each series must not be exceeded.

Resonance must be avoided by appropriate panel design. Resonance may cause very high over current which can lead to capacitor failures, and worst case, to explosion and fire.

## Connection:

Make sure connection cables are of flexible type or flexible copper bands are used. This is mandatory to allow the overpressure disconnecter work and avoid mechanical stress on the terminals and feedthroughs. Avoid bending cable lugs, cables or other mechanical force on the terminals. Otherwise leakages may set the safety device out of operation.

## Grounding:

The threaded bottom stud of the cylindrical capacitor has to be used for grounding, where as in case of SquireCap capacitor the designated earthing screw should be used for this purpose.

## Storage and operating conditions:

Do not use or store capacitors in corrosive atmosphere, especially where chloride gas, sulfide gas, acid, alkali, salt or the like are present. In dusty environments regular maintenance and cleaning especially of the terminals is required to avoid conductive path between phases and / or phases and ground.

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### Important information:

Some parts of this publication contain statements about the suitability to our products for certain areas of application. These statements are based on our knowledge of typical requirements that are often placed on our products. We expressly point out that these statements cannot be regarded as binding statements about the suitability of our products for a particular customer application. It is incumbent on the customer to check and decide whether the product is suitable for use in a particular application. This publication is only a brief product survey which may be changed from time to time. Our products are described in detail in our data sheets. The Important Notes ([www.epcos.com/ImportantNotes](http://www.epcos.com/ImportantNotes)) and the product-specific warnings and cautions must be observed. All relevant information is available through our sales offices.

### Warranty:

1. Products manufactured by us are warranted against defects arising out of manufacturing processes or use of defective raw material, for a period of 18 months from the date of our supply or 12 months from the date of installation whichever is earlier. The company reserves the right to either replace or to repair the defective items after ascertaining facts through a detailed service report on appropriate usage of our products in rated conditions. The company reserves the right to take back the defective goods for carrying out study or inspection.
2. Warranty is not applicable if the products are found tampered with or subjected to calibration changes. The company's liability is limited to repair or replace the defective product only. The manufacturer shall not be liable for any consequential loss, injury or damages attributable to defect or failure of its products.
3. Proof of purchase to be retained to avail warranty.
4. Any dispute arising in this regard shall be subjected to jurisdiction of courts in Nashik, in the state of Maharashtra - India.

### Note:

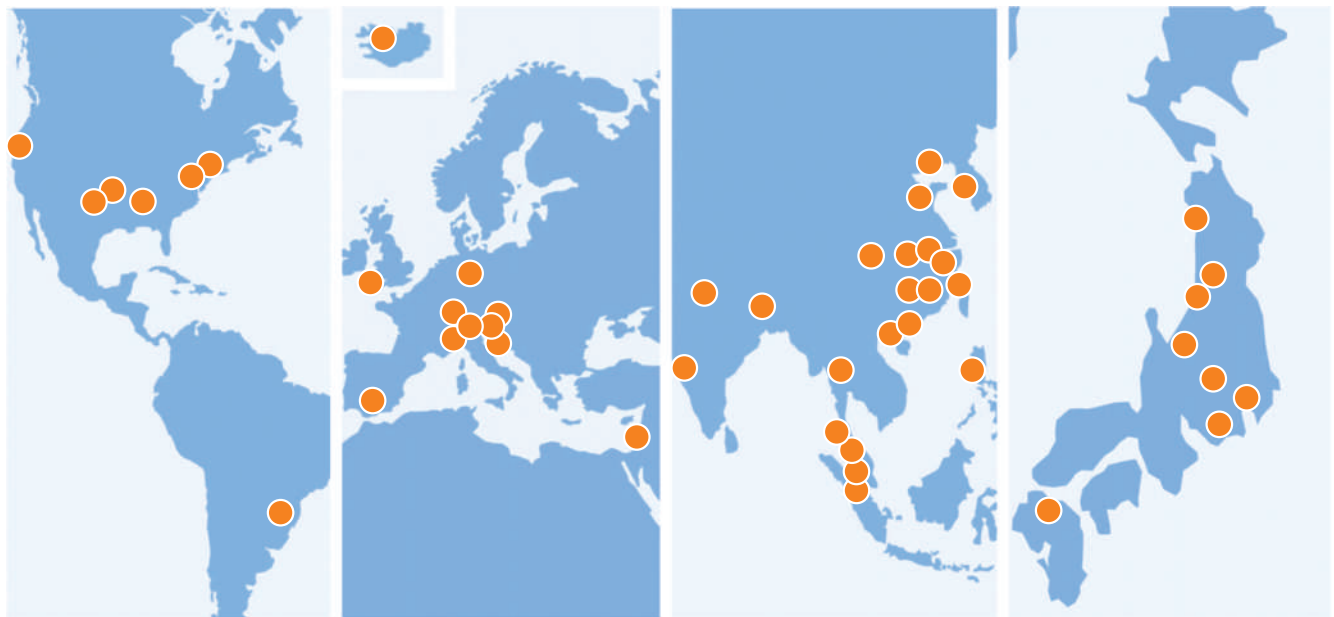
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