

Price List 2026

Power Factor Correction Capacitors and Key Components





In Automotive



In Industrial & Energy



In Information & Communication

► TDK is in everything, everywhere
driving innovation and progress.

► Strive to be better, every
day *transforming TDK.*

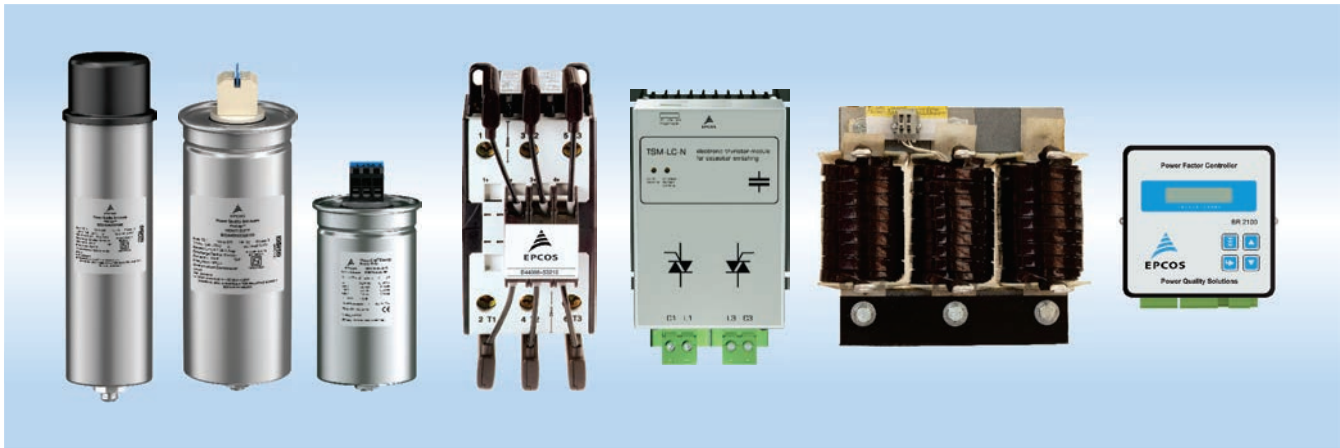
In Everything, Better

► Creating impact from within
*through our technology and
venture spirit.*

► Make the world better
transforming society.

Contents

PFC Capacitors and Key Components



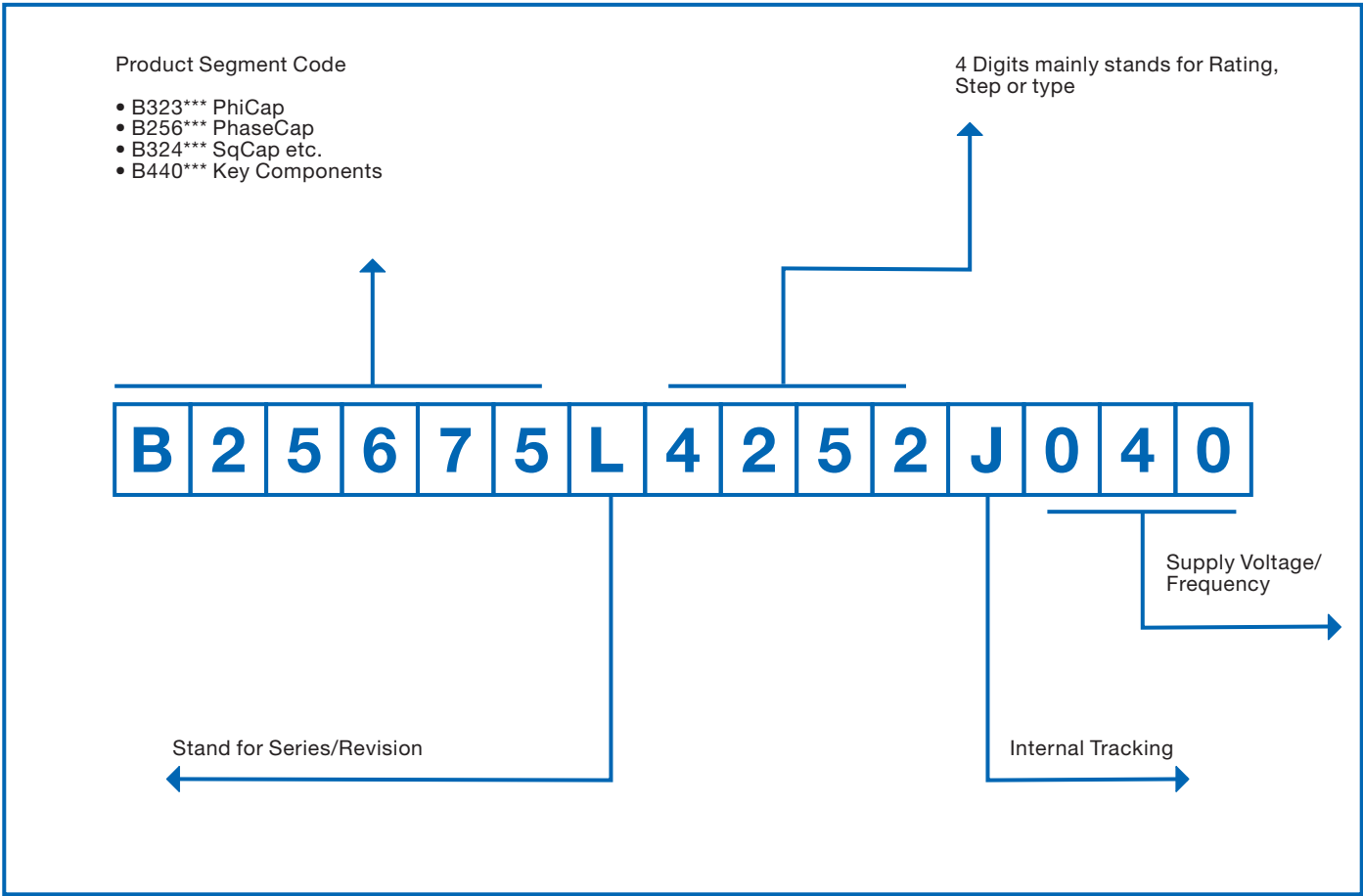
Ordering Codes/Part Nomenclature Example		02
PhiCap Normal Duty	B32344	04
PhiCap Heavy Duty	B32447 and B32448	06
PhiCap EHD (Gas) 	B32474G	08
PhaseCap Energy Plus HD (Gas)	B25674L	10
PhaseCap Energy Plus SHD (Resin)	B25675L	12
SquareCap Capacitors - ENDC	B32457	16
SquareCap Capacitors - EHDLL	B32459	17
SquareCap Capacitors - ESHDC	B32455	19
Capacitor Duty Contactor	C24*	21
Compact Thyristor Module 	B44066T*	23
Thyristor Module	TSM LC-N	24
Power Factor Controllers	BR4000	26
Power Factor Controllers	BR2100	27
Power Factor Controllers	BR6000	28
Power Factor Controllers 	BR5600	29
Three Phase Detuned Filter Reactor	B44066D	31
High VTHD Reactor (12% to 20%) 	B44066D	34
600 / 690 V Solutions		35
Product Change: Old Vs New Parts		36
Cautions & Warnings		39

Products driven by

Innovation + Sustainability + Miniaturization



Ordering Codes/Part Nomenclature Example



PhiCap EHD (Gas)



*EHD = Extra Heavy Duty

- Non-flammable Dry Type Inert Gas as Impregnant
- Reinforced Design:
 - ❖ Over Current: 2x In | Inrush Current: 300x In
- Electro-Sensitive applications:
 - ❖ Oil & Gas | Hospitals | Data centres | Pharma | Automobile

Best of Both Worlds
True Dry Type Design + High Performance



TEG-ENA-IN-Sales@tdk.com



www.tdk.com

PhiCap Normal Duty

	Series	PhiCap Normal Duty B32344
	Technical data	1 to 30 kVAr Single Unit Rated Voltage: 440 V to 525 V
	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
	Applications	• Power Factor Correction (PFC) automatic capacitor banks • Fixed PFC applications, e.g. motor compensation • Detuned PFC systems • Dynamic PFC systems

Rating kVAr	Description	Material Code	Voltage	IR (A)	CN (μF)	D x H mm	Packing Units	MOQ	MRP List/ Pc in INR
----------------	-------------	---------------	---------	--------	---------	-------------	------------------	-----	------------------------

PhiCap Normal Duty Round 440 V(AC) 3Ph, 50Hz (Series B32344)

1	PhiCap ND ROU 440V 50Hz 1 kVAr 3PH	B32344N4012B040	440	1.3	3 x 5.5	50 x 75	36	36	578
1.2	PhiCap ND ROU 440V 50Hz 1.2 kVAr 3PH	B32344N4012B240	440	1.6	3 x 6.6	50 x 75	36	36	695
2	PhiCap ND ROU 440V 50Hz 2 kVAr 3PH	B32344N4022B040	440	2.6	3 x 11.0	50 x 112	36	36	844
2.5	PhiCap ROU 440V 50Hz 2.5 kVAr 3PH	B32344N4022B540	440	3.3	3 x 13.7	50 x 112	36	36	1,035
3	PhiCap ND ROU 440V 50Hz 3 kVAr 3PH	B32344N4032B040	440	3.9	3 x 16.4	55 x 112	25	25	1,241
4	PhiCap ND ROU 440V 50Hz 4 kVAr 3PH	B32344N4042B040	440	5.2	3 x 21.9	55 x 137	25	25	1,260
5	PhiCap ND ROU 440V 50Hz 5 kVAr 3PH	B32344N4052B040	440	6.6	3 x 27.4	55 x 147	25	25	1,531
7	PhiCap ND ROU 440V 50Hz 7 kVAr 3PH	B32344N4072B040	440	9.2	3 x 38.4	63.5 x 146	25	25	2,134
7.5	PhiCap ND ROU 440V 50Hz 7.5 kVAr 3PH	B32344N4072B540	440	9.8	3 x 41.1	75 x 157	1	1	2,287
8.3	PhiCap ROU 440V 50HZ 8.3 KVAR 3PH	B32344N4082B340	440	10.9	3 x 45.5	75 x 157	1	1	2,529
10	PhiCap ND ROU 440V 50Hz 10 kVAr 3PH	B32344N4102B040	440	13.1	3 x 54.8	75 x 167	1	1	3,045
12.5	PhiCap ND ROU 440V 50Hz 12.5kVAr 3PH	B32344N4122B540	440	16.4	3 x 68.5	75 x 197	1	1	3,807
15	PhiCap ND ROU 440V 50Hz 15kVAr 3PH	B32344N4152B040	440	19.7	3 x 82.2	85 x 197	1	1	4,568
20	PhiCap ND ROU 440V 50Hz 20kVAr 3PH	B32344N4202B040	440	26.2	3 x 109.6	75 x 272	1	1	6,092
25	PhiCap ND ROU 440V 50Hz 25kVAr 3PH	B32344N4252B040	440	32.8	3 x 137.0	85 x 272	1	1	7,613
30	PhiCap ND ROU 440V 50Hz 30kVAr 3PH	B32344N4302B040	440	39.4	3 x 164.4	90 x 272	1	1	9,137

PhiCap Normal Duty Round 480 V(AC) 3Ph, 50Hz (Series B32344)

5	PhiCap ND ROU 480V 50Hz 5 kVAr 3PH	B32344N4052B080	480	6.0	3 x 23.0	63.5 x 136	25	25	1,531
5.5	PhiCap ND ROU 480V 50Hz 5.5 kVAr 3PH	B32344N4052B580	480	6.6	3 x 25.3	63.5 x 136	25	25	1,695
8.3	PhiCap ND ROU 480V 50Hz 8.3 kVAr 3PH	B32344N4082B380	480	10.0	3 x 38.2	75 x 167	1	1	2,528
10.4	PhiCap ND ROU 480V 50Hz 10.4kVAr 3PH	B32344N4102B480	480	12.5	3 x 47.9	75 x 197	1	1	3,167
11.1	PhiCap ND ROU 480V 50Hz 11.1kVAr 3PH	B32344N4112B180	480	13.4	3 x 51.1	75 x 197	1	1	3,381
12.5	PhiCap ND ROU 480V 50Hz 12.5kVAr 3PH	B32344N4122B580	480	15.0	3 x 57.6	75 x 197	1	1	3,807
15	PhiCap ND ROU 480V 50Hz 15kVAr 3PH	B32344N4152B080	480	18.0	3 x 69.1	85 x 197	1	1	4,568
16.7	PhiCap ND ROU 480V 50Hz 16.7kVAr 3PH	B32344N4162B780	480	20.1	3 x 76.9	85 x 197	1	1	5,086
20.8	PhiCap ND ROU 480V 50Hz 20.8kVAr 3PH	B32344N4202B880	480	25.0	3 x 95.8	75 x 272	1	1	6,336
22.1	PhiCap ND ROU 480V 50Hz 22.1kVAr 3PH	B32344N4222B180	480	26.6	3 x 101.8	85 x 272	1	1	6,728

Rating kVAr	Description	Material Code	Voltage	IR (A)	CN (μF)	D x H mm	Packing Units	MOQ	MRP List/ Pc in INR
PhiCap Normal Duty 480 V(AC) 3Ph, 50Hz (Series B32344)									
25	PhiCap ND ROU 480V 50Hz 25kVAr 3PH	B32344N4252B080	480	30.1	3 x 115.1	85 x 272	1	1	7,613
27.7	PhiCap ND ROU 480V 50Hz 27.7kVAr 3PH	B32344N4272B780	480	33.3	3 x 127.5	90 x 272	1	1	8,436
30	PhiCap ND ROU 480V 50Hz 30kVAr 3PH	B32344N4302B080	480	36.1	3 x 138.1	90 x 272	1	1	9,137
PhiCap Normal Duty 525 V(AC) 3Ph, 50Hz (Series B32344)									
5	PhiCap ND ROU 525V 50Hz 5 kVAr 3PH	B32344N5052B025	525	5.5	3 x 19.2	63.5 x 146	25	25	1,531
6.6	PhiCap ND ROU 525V 50Hz 6.6 kVAr 3PH	B32344N5062B625	525	7.3	3 x 25.4	75 x 157	1	1	2,100
7.5	PhiCap ND ROU 525V 50Hz 7.5 kVAr 3PH	B32344N5072B525	525	8.2	3 x 28.9	75 x 167	1	1	2,285
10.4	PhiCap ND ROU 525V 50Hz 10.4kVAr 3PH	B32344N5102B425	525	11.4	3 x 40.0	75 x 197	1	1	3,167
13.2	PhiCap ND ROU 525V 50Hz 13.2kVAr 3PH	B32344N5132B225	525	14.5	3 x 50.8	85 x 197	1	1	4,022
16.7	PhiCap ND ROU 525V 50Hz 16.7kVAr 3PH	B32344N5162B725	525	18.4	3 x 64.3	75 x 272	1	1	5,086
20.8	PhiCap ND ROU 525V 50Hz 20.8kVAr 3PH	B32344N5202B825	525	22.9	3 x 80.1	85 x 272	1	1	6,336
25	PhiCap ND ROU 525V 50Hz 25kVAr 3PH	B32344N5252B025	525	27.5	3 x 96.2	85 x 272	1	1	7,613

PhiCap Heavy Duty

	Series	PhiCap Heavy Duty B32447 and B32448
	Technical data	1 to 33.1 kVAr Single Unit Rated Voltage: 440 V to 525 V
	Features	• Manufactured using state-of-art metalisation process for MPP film with heavy edge • Self-healing property • Low energy consumption • Capable of withstanding high inrush current for non-linear loads • Soft biodegradable resin as impregnant • Three phase 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
	Applications	• Power Factor Correction (PFC) automatic capacitor banks • Fixed PFC applications, e.g. motor compensation • Detuned PFC systems • Dynamic PFC systems

Rating kVAr	Description	Material Code	Voltage	IR (A)	CN (μF)	D x H mm	Packing Units	MOQ	MRP List/ Pc in INR
----------------	-------------	---------------	---------	--------	---------	-------------	------------------	-----	------------------------

PhiCap Heavy Duty Round 440 V(AC) 3Ph, 50Hz (Series B32447 and B32448) New Design

1.0	PhiCap HD DFOC 440V 50Hz 1kVAr 3Ph	B32447H4012B040	440	1.3	3 x 5.5	50 x 75	36	36	794
2.0	PhiCap HD DFOC 440V 50Hz 2kVAr 3Ph	B32447H4022B040	440	2.6	3 x 11.0	50 x 112	36	36	914
3.0	PhiCap HD DFOC 440V 50Hz 3kVAr 3Ph	B32447H4032B040	440	3.9	3 x 16.4	55 x 112	25	25	1,373
4.0	PhiCap HD DFOC 440V 50Hz 4kVAr 3Ph	B32447H4042B040	440	5.2	3 x 21.9	55 x 137	25	25	1,541
5.0	PhiCap HD DFOC 440V 50Hz 5kVAr 3Ph	B32447H4052B040	440	6.6	3 x 27.4	55 x 147	25	25	1,871
6.0	PhiCap HD DFOC 440V 50Hz 6kVAr 3Ph	B32447H4062B040	440	7.9	3 x 32.9	63.5 x 136	25	25	2,224
7.5	PhiCap HD SIG 440V 50Hz 7.5kVAr 3Ph	B32448H4072B540	440	9.8	3 x 41.1	75 x 162	1	1	2,906
8.3	PhiCap HD SIG 440V 50Hz 8.3kVAr 3Ph	B32448H4082B340	440	10.9	3 x 45.5	75 x 162	1	1	3,221
10.0	PhiCap HD SIG 440V 50Hz 10kVAr 3Ph	B32448H4102B040	440	13.1	3 x 54.8	75 x 197	1	1	3,875
12.5	PhiCap HD SIG 440V 50Hz 12.5kVAr 3Ph	B32448H4122B540	440	16.4	3 x 68.5	75 x 197	1	1	4,845
15.0	PhiCap HD SIG 440V 50Hz 15kVAr 3Ph	B32448H4152B040	440	19.7	3 x 82.2	85 x 197	1	1	5,811
20.0	PhiCap HD SIG 440V 50Hz 20kVAr 3Ph	B32448H4202B040	440	26.2	3 x 109.6	75 x 272	1	1	7,747
25.0	PhiCap HD SIG 440V 50Hz 25kVAr 3Ph	B32448H4252B040	440	32.8	3 x 137.0	85 x 272	1	1	9,685
30.0	PhiCap HD SIG 440V 50Hz 30kVAr 3Ph	B32448H4302B040	440	39.4	3 x 164.4	90 x 272	1	1	11,624

PhiCap Heavy Duty Round 480 V(AC) 3Ph, 50Hz (Series B32447 and B32448)

5.0	PhiCap HD DFOC 480V 50Hz 5.0kVAr 3Ph	B32447H4052B080	480	6.0	3 x 23.0	63.5 x 136	25	25	1,871
5.5	PhiCap HD DFOC 480V 50Hz 5.5kVAr 3Ph	B32447H4052B580	480	6.6	3 x 25.3	63.5 x 136	25	25	2,060
6.3	PhiCap HD DFOC 480V 50Hz 6.3kVAr 3Ph	B32447H4062B380	480	7.6	3 x 29.0	63.5 x 146	25	25	2,440
8.3	PhiCap HD SIG 480V 50Hz 8.3kVAr 3Ph	B32448H4082B380	480	10.0	3 x 38.2	75 x 162	1	1	3,217
10.4	PhiCap HD SIG 480V 50Hz 10.4kVAr 3Ph	B32448H4102B480	480	12.5	3 x 47.9	75 x 197	1	1	4,030
11.1	PhiCap HD SIG 480V 50Hz 11.1kVAr 3Ph	B32448H4112B180	480	13.4	3 x 51.1	75 x 197	1	1	4,301
12.5	PhiCap HD SIG 480V 50Hz 12.5kVAr 3Ph	B32448H4122B580	480	15.0	3 x 57.6	75 x 197	1	1	4,845
13.8	PhiCap HD SIG 480V 50Hz 13.8kVAr 3Ph	B32448H4132B880	480	16.6	3 x 63.5	85 x 197	1	1	5,349
15.0	PhiCap HD SIG 480V 50Hz 15kVAr 3Ph	B32448H4152B080	480	18.0	3 x 69.1	85 x 197	1	1	5,811
16.7	PhiCap HD SIG 480V 50Hz 16.7kVAr 3Ph	B32448H4162B780	480	20.1	3 x 76.9	85 x 197	1	1	6,470
18.7	PhiCap HD SIG 480V 50Hz 18.7kVAr 3Ph	B32448H4182B780	480	22.5	3 x 86.1	75 x 272	1	1	7,247
20.0	PhiCap HD SIG 480V 50Hz 20kVAr 3Ph	B32448H4202B080	480	24.1	3 x 92.1	75 x 272	1	1	7,747
22.0	PhiCap HD SIG 480V 50Hz 22kVAr 3Ph	B32448H4222B080	480	26.5	3 x 101.3	85 x 272	1	1	8,526

Rating kVAr	Description	Material Code	Voltage	IR (A)	CN (μF)	D x H mm	Packing Units	MOQ	MRP List/ Pc in INR
PhiCap Heavy Duty Round 480 V(AC) 3Ph, 50Hz (Series B32447 and B32448)									
25.0	PhiCap HD SIG 480V 50Hz 25kVAr 3Ph	B32448H4252B080	480	30.1	3 x 115.1	85 x 272	1	1	9,685
27.7	PhiCap HD SIG 480V 50Hz 27.7kVAr 3Ph	B32448H4272B780	480	33.3	3 x 127.5	90 x 272	1	1	10,733
28.1	PhiCap HD SIG 480V 50Hz 28.1kVAr 3Ph	B32448H4282B180	480	33.8	3 x 129.4	90 x 272	1	1	10,889
30.0	PhiCap HD SIG 480V 50Hz 30kVAr 3Ph	B32448H4302B080	480	36.1	3 x 138.1	90 x 272	1	1	11,624
PhiCap Heavy Duty Round 525 V(AC) 3Ph, 50Hz (Series B32447 and B32448)									
5.0	PhiCap HD DFOC 525V 50Hz 5kVAr 3Ph	B32447H5052B025	525	5.5	3 x 19.2	63.5 x 146	25	25	1,871
6.3	PhiCap HD SIG 525V 50Hz 6.3kVAr 3Ph	B32448H5062B325	525	6.9	3 x 24.2	75 x 162	1	1	2,440
6.6	PhiCap HD SIG 525V 50Hz 6.6kVAr 3Ph	B32448H5062B625	525	7.3	3 x 25.4	75 x 162	1	1	2,556
8.3	PhiCap HD SIG 525V 50Hz 8.3kVAr 3Ph	B32448H5082B325	525	9.1	3 x 31.9	75 x 162	1	1	3,217
10.4	PhiCap HD SIG 525V 50Hz 10.4kVAr 3Ph	B32448H5102B425	525	11.4	3 x 40.0	75 x 197	1	1	4,030
12.5	PhiCap HD SIG 525V 50Hz 12.5kVAr 3Ph	B32448H5122B525	525	13.7	3 x 48.1	85 x 197	1	1	4,845
13.2	PhiCap HD SIG 525V 50Hz 13.2kVAr 3Ph	B32448H5132B225	525	14.5	3 x 50.8	85 x 197	1	1	5,116
15.0	PhiCap HD SIG 525V 50Hz 15kVAr 3Ph	B32448H5152B025	525	16.5	3 x 57.7	85 x 197	1	1	5,796
16.7	PhiCap HD SIG 525V 50Hz 16.7kVAr 3Ph	B32448H5162B725	525	18.4	3 x 64.3	75 x 272	1	1	6,470
20.0	PhiCap HD SIG 525V 50Hz 20kVAr 3Ph	B32448H5202B025	525	22.0	3 x 77.0	85 x 272	1	1	7,747
25.0	PhiCap HD SIG 525V 50Hz 25kVAr 3Ph	B32448H5252B025	525	27.5	3 x 96.2	85 x 272	1	1	9,685
26.5	PhiCap HD SIG 525V 50Hz 26.5kVAr 3Ph	B32448H5262B525	525	29.1	3 x 102.0	90 x 272	1	1	10,267
30.0	PhiCap HD SIG 525V 50Hz 30kVAr 3Ph	B32448H5302B025	525	33.0	3 x 115.5	85 x 348	1	1	11,624
33.1	PhiCap HD SIG 525V 50Hz 33.1kVAr 3Ph	B32448H5332B125	525	36.4	3 x 127.4	85 x 348	1	1	12,827

PhiCap EHD (Gas)



Series	PhiCap EHD (Gas) B32474G NEW
Technical data	6.3 to 33.1 kVAr Voltage : 440 V to 525 V
Features	• Self-healing technology • Naturally air cooled (or forced air cooling) • Optimized capacitor safety terminals • Gas-impregnated, dry type, Non PCB • Provided with external discharge resistor • Overpressure disconnecter for all 3 phases
Specification	Conformance to standards IEC 60831-1 & 2, IS:13340
Applications	• Power factor correction in Automatic Banks • Fixed PFC applications • Tuned and Detuned PFC systems • Dynamic PFC Systems

Rating kVAr	Description	Material Code	Voltage	IR (A)	CN (μF)	D x H mm	Packing Units	MOQ	MRP List/ Pc in INR
PhiCap EHD Gas - 440 V(AC) 3Ph, 50Hz (Series B32474G) New									
7.5	PhiCap EHD SIG Gas 440V 50Hz 7.5kVAr 3Ph	B32474G4072A540	440	9.8	3 x 41.1	75 x 172	1	1	3,490
8.3	PhiCap EHD SIG Gas 440V 50Hz 8.3kVAr 3Ph	B32474G4082A340	440	10.9	3 x 45.5	75 x 172	1	1	3,415
10	PhiCap EHD SIG Gas 440V 50Hz 10kVAr 3Ph	B32474G4102A040	440	13.1	3 x 54.8	75 x 208	1	1	4,108
12.5	PhiCap EHD SIG Gas 440V 50Hz 12.5kVAr 3Ph	B32474G4122A540	440	16.4	3 x 68.5	75 x 208	1	1	5,137
15	PhiCap EHD SIG Gas 440V 50Hz 15kVAr 3Ph	B32474G4152A040	440	19.7	3 x 82.2	85 x 208	1	1	6,161
20	PhiCap EHD SIG Gas 440V 50Hz 20kVAr 3Ph	B32474G4202A040	440	26.2	3 x 109.6	75 x 283	1	1	8,213
25	PhiCap EHD SIG Gas 440V 50Hz 25kVAr 3Ph	B32474G4252A040	440	32.8	3 x 137.0	85 x 283	1	1	10,269
30	PhiCap EHD SIG Gas 440V 50Hz 30kVAr 3Ph	B32474G4302A040	440	39.4	3 x 164.4	90 x 283	1	1	12,321
PhiCap EHD Gas - 480 V(AC) 3Ph, 50Hz (Series B32474G) New									
8.3	PhiCap EHD SIG Gas 480V 50Hz 8.3kVAr 3Ph	B32474G4082A380	480	10.0	3 x 38.2	75 x 172	1	1	3,860
10.4	PhiCap EHD SIG Gas 480V 50Hz 10.4kVAr 3Ph	B32474G4102A480	480	12.5	3 x 47.9	75 x 208	1	1	4,271
11.1	PhiCap EHD SIG Gas 480V 50Hz 11.1kVAr 3Ph	B32474G4112A180	480	13.4	3 x 51.1	75 x 208	1	1	4,559
12.5	PhiCap EHD SIG Gas 480V 50Hz 12.5kVAr 3Ph	B32474G4122A580	480	15.0	3 x 57.6	75 x 208	1	1	5,137
15.0	PhiCap EHD SIG Gas 480V 50Hz 15kVAr 3Ph	B32474G4152A080	480	18.0	3 x 69.1	85 x 208	1	1	6,161
16.7	PhiCap EHD SIG Gas 480V 50Hz 16.7kVAr 3Ph	B32474G4162A780	480	20.1	3 x 76.9	85 x 208	1	1	6,859
20.0	PhiCap EHD SIG Gas 480V 50Hz 20kVAr 3Ph	B32474G4202A080	480	24.1	3 x 92.1	75 x 283	1	1	8,213
22.0	PhiCap EHD SIG Gas 480V 50Hz 22kVAr 3Ph	B32474G4222A080	480	26.5	3 x 101.3	85 x 283	1	1	9,036
25.0	PhiCap EHD SIG Gas 480V 50Hz 25kVAr 3Ph	B32474G4252A080	480	30.1	3 x 115.1	85 x 283	1	1	10,269
27.7	PhiCap EHD SIG Gas 480V 50Hz 27.7kVAr 3Ph	B32474G4272A780	480	33.3	3 x 127.5	90 x 283	1	1	11,378
30.0	PhiCap EHD SIG Gas 480V 50Hz 30kVAr 3Ph	B32474G4302A080	480	36.1	3 x 142.7	90 x 283	1	1	12,321
PhiCap EHD Gas - 525 V(AC) 3Ph, 50Hz (Series B32474G) New									
6.3	PhiCap EHD SIG Gas 525V 50Hz 6.3kVAr 3Ph	B32474G5062A325	525	6.9	3 x 24.2	75 x 172	1	1	3,123
6.6	PhiCap EHD SIG Gas 525V 50Hz 6.6kVAr 3Ph	B32474G5062A625	525	7.3	3 x 25.4	75 x 172	1	1	3,272
10.4	PhiCap EHD SIG Gas 525V 50Hz 10.4kVAr 3Ph	B32474G5102A425	525	11.4	3 x 40.0	75 x 208	1	1	4,271
12.5	PhiCap EHD SIG Gas 525V 50Hz 12.5kVAr 3Ph	B32474G5122A525	525	13.7	3 x 48.1	85 x 208	1	1	5,137

Rating kVAr	Description	Material Code	Voltage	IR (A)	CN (μF)	D x H mm	Packing Units	MOQ	MRP List/ Pc in INR
PhiCap EHD Gas - 525 V(AC) 3Ph, 50Hz (Series B32474G) New									
13.2	PhiCap EHD SIG Gas 525V 50Hz 13.2kVAr 3Ph	B32474G5132A225	525	14.6	3 x 50.8	85 x 208	1	1	5,424
15.0	PhiCap EHD SIG Gas 525V 50Hz 15kVAr 3Ph	B32474G5152A025	525	16.5	3 x 57.7	85 x 208	1	1	6,143
16.7	PhiCap EHD SIG Gas 525V 50Hz 16.7kVAr 3Ph	B32474G5162A725	525	18.4	3 x 64.3	75 x 283	1	1	6,859
20.0	PhiCap EHD SIG Gas 525V 50Hz 20kVAr 3Ph	B32474G5202A025	525	22.0	3 x 77.0	85 x 283	1	1	8,213
25.0	PhiCap EHD SIG Gas 525V 50Hz 25kVAr 3Ph	B32474G5252A025	525	27.5	3 x 96.2	85 x 283	1	1	10,269
30.0	PhiCap EHD SIG Gas 525V 50Hz 30kVAr 3Ph	B32474G5302A025	525	33.0	3 x 115.5	85 x 358	1	1	12,321
33.1	PhiCap EHD SIG Gas 525V 50Hz 33.1kVAr 3Ph	B32474G5332A125	525	33.1	3 x 127.4	85 x 358	1	1	13,595

PhaseCap Energy Plus HD (Gas)

	Series	PhaseCap Energy Plus HD (Gas) B25674
	Technical data	1 to 33.1 kVAr Single Unit Voltage : 440 V to 690 V
	Features	• Manufactured using state-of-art wavecut technology for MPP film with heavy edge • Self healing property • Low energy consumption • Capable of withstanding high inrush current (Upto 500 IR) • Very High life expectancy up to 2,20,000 Similar to product profile operating hours (-40/D) • Capable for 15,000 switching per year to handle dynamic loads • Three phase safety device in the form of pressure sensitive (over pressure) mechanical interrupter • Compact size and light weight • True Dry type- Gas impregnated • Temp class: -40°C to 60 °C
	Specification	Conformance to standards IEC 60831-1 & 2, EN60831-1 & 2, IS:13340
	Applications	• Automatic PFC equipment, capacitor banks • Individual Fixed PFC (e.g. motors, transformers, lighting) • Group fixed PFC • Tuned and detuned capacitor banks • Dynamic PFC

Rating kVAR	Description	Material Code	Voltage	IR (A)	CN (μF)	D x H mm	Packing Units	MOQ	MRP List/ Pc in INR
----------------	-------------	---------------	---------	--------	---------	-------------	------------------	-----	------------------------

PhaseCap Energy Plus HD - 440 V(AC) 3Ph, 50Hz (Series B25674L)

5	PhaseCap Energy Plus HD 440V50/60Hz 5/6kVAr 3Ph	B25674L4052J040	440	6.6	3 x 27.4	75 x 164	1	1	3,415
7	PhaseCap Energy Plus HD 440V50/60Hz 7/8.4kVAr 3Ph	B25674L4072J040	440	9.2	3 x 38.4	75 x 200	1	1	4,173
7.5	PhaseCap Energy Plus HD 440V50/60Hz 7.5/9kVAr 3Ph	B25674L4072J540	440	9.8	3 x 41.1	75 x 200	1	1	4,471
10	PhaseCap Energy Plus HD 440V50/60Hz 10/12kVAr 3Ph	B25674L4102J040	440	13.1	3 x 54.8	75 x 200	1	1	4,828
12.5	PhaseCap Energy Plus HD 440V50/60Hz 12.5/15kVAr 3Ph	B25674L4122J540	440	16.4	3 x 68.5	85 x 200	1	1	6,033
15	PhaseCap Energy Plus HD 440V50/60Hz 15/18kVAr 3Ph	B25674L4152J040	440	19.7	3 x 82.2	85 x 218	1	1	7,241
20	PhaseCap Energy Plus HD 440V50/60Hz 20/24kVAr 3Ph	B25674L4202J040	440	26.2	3 x 109.6	100 x 207	1	1	9,654
25	PhaseCap Energy Plus HD 440V50/60Hz 25/30kVAr 3Ph	B25674L4252J040	440	32.8	3 x 137.0	116 x 192	1	1	12,069
30	PhaseCap Energy Plus HD 440V 50Hz 30kVAr 3Ph	B25674L4302J040	440	39.4	3 x 164.4	125 x 192	1	1	14,624

PhaseCap Energy Plus HD - 480 V(AC) 3Ph, 50Hz (Series B25674L)

5.0	PhaseCap Energy Plus HD 480V 50/60Hz 5/6kVAr 3Ph	B25674L4052J080	480	6.0	3 x 23.0	75 x 164	1	1	3,415
6.3	PhaseCap Energy Plus HD 480V50/60Hz 6.3/7.6kVAr 3Ph	B25674L4062J380	480	7.6	3 x 29.0	75 x 164	1	1	3,755
8.3	PhaseCap Energy Plus HD 480V50/60Hz 8.3/10kVAr 3Ph	B25674L4082J380	480	10.0	3 x 38.2	75 x 200	1	1	4,946
11.0	PhaseCap Energy Plus HD 480V50/60Hz 11/13.2kVAr 3Ph	B25674L4112J080	480	13.2	3 x 50.7	85 x 200	1	1	5,309
12.5	PhaseCap Energy Plus HD 480V50/60Hz 12.5/15kVAr 3Ph	B25674L4122J580	480	15.0	3 x 57.6	85 x 200	1	1	6,033
15.0	PhaseCap Energy Plus HD 480V50/60Hz 15/18kVAr 3Ph	B25674L4152J080	480	18.0	3 x 69.1	100 x 207	1	1	7,241
16.7	PhaseCap Energy Plus HD 480V50/60Hz 16.7/20kVAr 3Ph	B25674L4162J780	480	20.1	3 x 76.9	100 x 207	1	1	8,062
20.0	PhaseCap Energy Plus HD 480V50/60Hz 20/24kVAr 3Ph	B25674L4202J080	480	24.1	3 x 92.1	100 x 207	1	1	9,654
20.8	PhaseCap Energy Plus HD 480V50/60Hz 20.8/25kVAr 3Ph	B25674L4202J880	480	25.0	3 x 95.8	116 x 207	1	1	10,044
22.0	PhaseCap Energy Plus HD 480V50/60Hz 22/26.4kVAr 3Ph	B25674L4222J080	480	26.5	3 x 101.3	116 x 207	1	1	10,620
25.0	PhaseCap Energy Plus HD 480V 50/60Hz 25/30kVAr 3Ph	B25674L4252J080	480	30.1	3 x 115.1	116 x 192	1	1	12,069
28.1	PhaseCap Energy Plus HD 480V 50Hz 28.1kVAr 3Ph	B25674L4282J180	480	33.8	3 x 129.4	116 x 207	1	1	13,566
31.0	PhaseCap Energy Plus HD 480V 50Hz 31kVAr 3Ph	B25674L4312J080	480	37.3	3 x 142.7	125 x 192	1	1	14,965
33.0	PhaseCap Energy Plus HD 480V 50Hz 33kVAr 3Ph	B25674L4332J080	480	39.7	3 x 152.0	116 x 224	1	1	15,931

Rating kVAR	Description	Material Code	Voltage	IR (A)	CN (μF)	D x H mm	Packing Units	MOQ	MRP List/ Pc in INR
PhaseCap Energy Plus HD - 525 V(AC) 3Ph, 50Hz (Series B25674L)									
6.3	PhaseCap Energy Plus HD 525V50/60Hz 6.3/7.6kVAr 3Ph	B25674L5062J325	525	6.9	3 x 24.2	75 x 164	1	1	3,755
7.5	PhaseCap Energy Plus HD 525V50/60Hz 7.5/9kVAr 3Ph	B25674L5072J525	525	8.2	3 x 28.9	75 x 185	1	1	4,471
8.3	PhaseCap Energy Plus HD 525V50/60Hz 8.3/10kVAr 3Ph	B25674L5082J325	525	9.1	3 x 31.9	75 x 200	1	1	4,946
10.4	PhaseCap Energy Plus HD 525V50/60Hz 10.4/12.5kVAr 3Ph	B25674L5102J425	525	11.4	3 x 40.0	85 x 185	1	1	5,019
12.5	PhaseCap Energy Plus HD 525V50/60Hz 12.5/15kVAr 3Ph	B25674L5122J525	525	13.7	3 x 48.1	85 x 200	1	1	6,033
13.2	PhaseCap Energy Plus HD 525V50/60Hz 13.2/15.8kVAr 3Ph	B25674L5132J225	525	14.6	3 x 50.8	85 x 200	1	1	6,374
15.0	PhaseCap Energy Plus HD 525V50/60Hz 15/18kVAr 3Ph	B25674L5152J025	525	16.5	3 x 57.7	85 x 218	1	1	7,241
16.7	PhaseCap Energy Plus HD 525V50/60Hz 16.7/20kVAr 3Ph	B25674L5162J725	525	18.4	3 x 64.3	100 x 207	1	1	8,062
20.0	PhaseCap Energy Plus HD 525V50/60Hz 20/24kVAr 3Ph	B25674L5202J025	525	22.0	3 x 77.0	100 x 224	1	1	9,654
20.8	PhaseCap Energy Plus HD 525V50/60Hz 20.8/25kVAr 3Ph	B25674L5202J825	525	22.9	3 x 80.1	100 x 224	1	1	10,044
25.0	PhaseCap Energy Plus HD 525V50/60Hz 25/30kVAr 3Ph	B25674L5252J025	525	27.5	3 x 96.2	116 x 207	1	1	12,069
33.1	PhaseCap Energy Plus HD 525V 50Hz 33.1kVAr 3Ph	B25674L5332J125	525	36.4	3 x 127.4	136 x 192	1	1	15,977
PhaseCap Energy Plus HD - 690 V(AC) 3Ph, 50Hz (Series B25674L)									
5.3	PhaseCap Energy Plus HD 690V 50/60Hz 5.3/6.4kVAr 3Ph	B25674L6052J390	690	4.4	3 x 11.8	75 x 185	1	1	4,156
10.4	PhaseCap Energy Plus HD 690V 50/60Hz 10.4/12.5kVAr 3Ph	B25674L6102J490	690	8.7	3 x 23.2	75 x 200	1	1	5,582
12.5	PhaseCap Energy Plus HD 690V 50/60Hz 12.5/15kVAr 3Ph	B25674L6122J590	690	10.5	3 x 27.9	85 x 200	1	1	6,710
14.6	PhaseCap Energy Plus HD 690V 50/60Hz 14.6/17.5kVAr 3Ph	B25674L6142J690	690	12.2	3 x 32.5	100 x 207	1	1	7,841
20.0	PhaseCap Energy Plus HD 690V 50/60Hz 20/24kVAr 3Ph	B25674L6202J090	690	16.7	3 x 44.6	100 x 207	1	1	10,739
25.0	PhaseCap Energy Plus HD 690V50/60Hz 25/30kVAr 3Ph	B25674L6252J090	690	20.9	3 x 55.7	116 x 192	1	1	13,423

PhaseCap Energy Plus SHD (Resin)

	Series	PhaseCap Energy Plus SHD (Resin) B25675L
	Technical data	1 to 50 kVAr Single Unit Voltage : 415 V to 690 V (800/1000 V on request)
	Features	• Manufactured using state-of-art wavecut technology for MPP film with heavy edge • Self healing property • Low energy consumption • Capable of withstanding high inrush current (Upto 500 IR) • Very High life expectancy up to 2,40,000 Similar to product profile operating hours (~40/D) • Capable for 15,000 switching per year to handle dynamic loads • Three phase safety device in the form of pressure sensitive (over pressure) mechanical interrupter • Compact size and light weight • Soft biodegradable resin as impregnant. • Temp class: -40°C to 60 °C
	Specification	Conformance to standards IEC 60831-1 & 2, EN60831-1 & 2, IS:13340
	Applications	• Automatic PFC equipment, capacitor banks • Individual Fixed PFC (e.g. motors, transformers, lighting) • Group fixed PFC • Tuned and detuned capacitor banks • Dynamic PFC

Rating kVAr	Description	Material Code	Voltage	IR (A)	CN (μF)	D x H mm	Packing Units	MOQ	MRP List/ Pc in INR
PhaseCap Energy Plus SHD - 415 V(AC) 3Ph, 50Hz (Series B25675L)									
5.0	PhaseCap Energy Plus SHD 415V 50/60Hz 5/6kVAr 3Ph	B25675L4052J015	415	7.0	3 x 30.8	75 x 164	1	1	3,072
10.0	PhaseCap Energy Plus SHD 415V 50/60Hz 10/12kVAr 3Ph	B25675L4102J015	415	13.9	3 x 61.6	75 x 200	1	1	4,565
20.0	PhaseCap Energy Plus SHD 415V 50/60Hz 20/24kVAr 3Ph	B25675L4202J015	415	27.8	3 x 123.2	100 x 207	1	1	9,127
25.0	PhaseCap Energy Plus SHD 415V 50/60Hz 25/30kVAr 3Ph	B25675L4252J015	415	34.8	3 x 154.0	116 x 192	1	1	11,409
50.0	PhaseCap Energy Plus SHD 415V 50/60Hz 50/60kVAr 3Ph	B25675L4502J015	415	69.6	3 x 308.0	136 x 279	1	1	25,834
PhaseCap Energy Plus SHD - 440 V(AC) 3Ph, 50Hz (Series B25675L)									
1.0	PhaseCap Energy Plus SHD 440V 50/60Hz 1/1.2kVAr 3Ph	B25675L4012B040	440	1.3	3 x 5.5	50 x 75	36	36	935
2.0	PhaseCap Energy Plus SHD 440V 50/60Hz 2/2.4kVAr 3Ph	B25675L4022B040	440	2.6	3 x 11.0	50 x 112	36	36	1,231
3.0	PhaseCap Energy Plus SHD 440V 50/60Hz 3/3.6kVAr 3Ph	B25675L4032B040	440	3.9	3 x 16.4	55 x 112	25	25	1,846
4.0	PhaseCap Energy Plus SHD 440V 50/60Hz 4/4.8kVAr 3Ph	B25675L4042B040	440	5.2	3 x 21.9	55 x 137	25	25	2,468
5.0	PhaseCap Energy Plus SHD 440V 50/60Hz 5/6kVAr 3Ph	B25675L4061B040	440	6.6	3 x 27.4	55 x 147	25	25	2,894
7.5	PhaseCap Energy Plus SHD 440V 50/60Hz 7.5/9kVAr 3Ph	B25675L4072J540	440	9.8	3 x 41.1	75 x 200	1	1	4,299
10.0	PhaseCap Energy Plus SHD 440V 50/60Hz 10/12kVAr 3Ph	B25675L4102J040	440	13.1	3 x 54.8	75 x 200	1	1	4,565
12.5	PhaseCap Energy Plus SHD 440V 50/60Hz 12.5/15kVAr 3Ph	B25675L4122J540	440	16.4	3 x 68.5	85 x 200	1	1	5,704
15.0	PhaseCap Energy Plus SHD 440V 50/60Hz 15/18kVAr 3Ph	B25675L4152J040	440	19.7	3 x 82.2	85 x 218	1	1	6,846
20.0	PhaseCap Energy Plus SHD 440V 50/60Hz 20/24kVAr 3Ph	B25675L4202J040	440	26.2	3 x 109.6	100 x 207	1	1	9,127
25.0	PhaseCap Energy Plus SHD 440V 50/60Hz 25/30kVAr 3Ph	B25675L4252J040	440	32.8	3 x 137.0	116 x 192	1	1	11,409
28.1	PhaseCap Energy Plus SHD 440V 50Hz 28.1kVAr 3Ph	B25675L4282J140	440	36.9	3 x 154.0	116 x 207	1	1	12,823
30.0	PhaseCap Energy Plus SHD 440V 50Hz 30kVAr 3Ph	B25675L4302J040	440	39.4	3 x 164.4	125 x 192	1	1	13,690
33.1	PhaseCap Energy Plus SHD 440V 50Hz 33.1kVAr 3Ph	B25675L4332J140	440	43.4	3 x 181.4	116 x 224	1	1	15,105
40.0	PhaseCap Energy Plus SHD 440V 50/60Hz 40/48kVAr 3Ph	B25675L4402J040	440	52.5	3 x 219.2	136 x 217	1	1	18,339
50.0	PhaseCap Energy Plus SHD 440V 50/60Hz 50/60kVAr 3Ph	B25675L4502J040	440	65.6	3 x 274.0	136 x 279	1	1	22,348

Rating kVAr	Description	Material Code	Voltage	IR (A)	CN (μF)	D x H mm	Packing Units	MOQ	MRP List/ Pc in INR
PhaseCap Energy Plus SHD - 480 V(AC) 3Ph, 50Hz (Series B25675L)									
5.0	PhaseCap Energy Plus SHD 480V 50/60Hz 5/6kVAr 3Ph	B25675L4052J080	480	6.0	3 x 23.0	75 x 164	1	1	3,072
5.5	PhaseCap Energy Plus SHD480V 50/60Hz 5.5/6.6kVAr 3Ph	B25675L4052J580	480	6.6	3 x 25.3	75 x 164	1	1	3,381
6.3	PhaseCap Energy Plus SHD 480V 50/60Hz 6.3/7.6kVAr 3Ph	B25675L4062J380	480	7.6	3 x 29.0	75 x 164	1	1	3,612
8.3	PhaseCap Energy Plus SHD 480V 50/60Hz 8.3/10kVAr 3Ph	B25675L4082J380	480	10.0	3 x 38.2	75 x 200	1	1	4,759
10.4	PhaseCap Energy Plus SHD 480V 50/60Hz 10.4/12.5kVAr 3Ph	B25675L4102J480	480	12.5	3 x 47.9	75 x 200	1	1	4,746
11.0	PhaseCap Energy Plus SHD 480V50/60Hz 11/13.2kVAr 3Ph	B25675L4112J080	480	13.2	3 x 50.7	85 x 200	1	1	5,019
12.5	PhaseCap Energy Plus SHD 480V50/60Hz 12.5/15kVAr 3Ph	B25675L4122J580	480	15.0	3 x 57.6	85 x 200	1	1	5,704
13.8	PhaseCap Energy Plus SHD 480V50/60Hz 13.8/16.6kVAr 3Ph	B25675L4132J880	480	16.6	3 x 63.5	85 x 200	1	1	6,298
15.0	PhaseCap Energy Plus SHD 480V 50/60Hz 15/18kVAr 3Ph	B25675L4152J080	480	18.0	3 x 69.1	100 x 207	1	1	6,846
16.7	PhaseCap Energy Plus SHD 480V 50/60Hz 16.7/20kVAr 3Ph	B25675L4162J780	480	20.1	3 x 76.9	100 x 207	1	1	7,623
18.7	PhaseCap Energy Plus SHD 480V50/60Hz 18.7/22.4kVAr 3Ph	B25675L4182J780	480	22.5	3 x 86.1	100 x 207	1	1	8,534
20.0	PhaseCap Energy Plus SHD 480V 50/60Hz 20/24kVAr 3Ph	B25675L4202J080	480	24.1	3 x 92.1	100 x 207	1	1	9,127
20.8	PhaseCap Energy Plus SHD 480V 50/60Hz 20.8/25kVAr 3Ph	B25675L4202J880	480	25.0	3 x 95.8	116 x 207	1	1	9,492
22.0	PhaseCap Energy Plus SHD 480V 50/60Hz 22/26.4kVAr 3Ph	B25675L4222J080	480	26.5	3 x 101.3	116 x 207	1	1	10,040
25.0	PhaseCap Energy Plus SHD 480V 50/60Hz 25/30kVAr 3Ph	B25675L4252J080	480	30.1	3 x 115.1	116 x 192	1	1	11,409
28.1	PhaseCap Energy Plus SHD 480V 50Hz 28.1kVAr 3Ph	B25675L4282J180	480	33.8	3 x 129.4	116 x 207	1	1	12,823
31.0	PhaseCap Energy Plus SHD 480V 50Hz 31kVAr 3Ph	B25675L4312J080	480	37.3	3 x 142.7	116 x 224	1	1	14,146
33.0	PhaseCap Energy Plus SHD 480V 50Hz 33kVAr 3Ph	B25675L4332J080	480	39.7	3 x 152.0	116 x 224	1	1	15,061
PhaseCap Energy Plus SHD - 525 V(AC) 3Ph, 50Hz (Series B25675L)									
5.0	PhaseCap Energy Plus SHD 525V 50/60Hz 5/6kVAr 3Ph	B25675L5052J025	525	5.5	3 x 19.2	75 x 164	1	1	3,072
6.3	PhaseCap Energy Plus SHD 525V 50/60Hz 6.3/7.6kVAr 3Ph	B25675L5062J325	525	6.9	3 x 24.2	75 x 164	1	1	3,612
8.3	PhaseCap Energy Plus SHD 525V 50/60Hz 8.3/10kVAr 3Ph	B25675L5082J325	525	9.1	3 x 31.9	75 x 200	1	1	4,759
10.4	PhaseCap Energy Plus SHD525V50/60Hz 10.4/12.5kVAr 3Ph	B25675L5102J425	525	11.4	3 x 40.0	85 x 185	1	1	4,746
12.5	PhaseCap Energy Plus SHD 525V 50/60Hz 12.5/15kVAr 3Ph	B25675L5122J525	525	13.7	3 x 48.1	85 x 200	1	1	5,704
13.2	PhaseCap Energy Plus SHD 525V 50/60Hz 13.2/15.8kVAr 3Ph	B25675L5132J225	525	14.6	3 x 50.8	85 x 200	1	1	6,023
15.0	PhaseCap Energy Plus SHD 525V 50/60Hz 15/18kVAr 3Ph	B25675L5152J025	525	16.5	3 x 57.7	85 x 218	1	1	6,846
16.7	PhaseCap Energy Plus SHD 525V 50/60Hz 16.7/20kVAr 3Ph	B25675L5162J725	525	18.4	3 x 64.3	100 x 207	1	1	7,623
20.0	PhaseCap Energy Plus SHD 525V 50/60Hz 20/24kVAr 3Ph	B25675L5202J025	525	22.0	3 x 77.0	100 x 224	1	1	9,127
25.0	PhaseCap Energy Plus SHD 525V 50/60Hz 25/30kVAr 3Ph	B25675L5252J025	525	27.5	3 x 96.2	116 x 207	1	1	11,409
26.5	PhaseCap Energy Plus SHD525V 50/60Hz 26.5/31.8kVAr 3Ph	B25675L5262J525	525	29.1	3 x 102.0	116 x 207	1	1	12,092
30.0	PhaseCap Energy Plus SHD 525V 50Hz 30kVAr 3Ph	B25675L5302J025	525	33.0	3 x 115.5	125 x 207	1	1	13,690
33.1	PhaseCap Energy Plus SHD 525V 50Hz 33.1kVAr 3Ph	B25675L5332J125	525	36.4	3 x 127.4	136 x 192	1	1	15,105
37.1	PhaseCap Energy Plus SHD 525V 50Hz 37.1kVAr 3Ph	B25675L5372J125	525	40.8	3 x 142.8	136 x 224	1	1	16,928
PhaseCap Energy Plus SHD - 690 V(AC) 3Ph, 50Hz (Series B25675L)									
5.3	PhaseCap Energy Plus SHD 690V 50/60Hz 5.3/6.4kVAr 3Ph	B25675L6052J390	690	4.4	3 x 11.8	75 x 185	1	1	3,597
6.9	PhaseCap Energy PlusSHD 690V 50/60Hz 6.9/8.3kVAr 3Ph	B25675L6062J990	690	5.8	3 x 15.4	75 x 200	1	1	4,372
10.4	PhaseCap Energy Plus SHD 690V50/60Hz 10.4/12.5kVAr 3Ph	B25675L6102J490	690	8.7	3 x 23.2	75 x 200	1	1	5,372
12.5	PhaseCap Energy Plus SHD 690V 50/60Hz 12.5/15kVAr 3Ph	B25675L6122J590	690	10.5	3 x 27.9	85 x 200	1	1	6,460
14.6	PhaseCap Energy Plus SHD 690V50/60Hz 14.6/17.5kVAr 3Ph	B25675L6142J690	690	12.2	3 x 32.5	100 x 207	1	1	7,545
20.0	PhaseCap Energy Plus SHD 690V 50/60Hz 20/24kVAr 3Ph	B25675L6202J090	690	16.7	3 x 44.6	100 x 207	1	1	10,336
25.0	PhaseCap Energy Plus SHD 690V 50/60Hz 25/30kVAr 3Ph	B25675L6252J090	690	20.9	3 x 55.7	116 x 192	1	1	12,919
28.0	PhaseCap Energy Plus SHD 690V 50/60Hz 28kVAr 3Ph	B25675L6282J090	690	23.4	3 x 62.4	116 x 207	1	1	14,469

Rating kVAR	Description	Material Code	Voltage	IR (A)	CN (μF)	D x H mm	Packing Units	MOQ	MRP List/ Pc in INR
PhaseCap Energy Plus SHD - 800 V(AC) 3Ph, 50Hz (Series B25675L)									
12.5	PhaseCap Energy Plus SHD 800V 50Hz 12.5kVAr 3Ph	B25675L8122J500	800	9.0	3 x 20.7	100 x 224	1	1	6,838
20.0	PhaseCap Energy Plus SHD 800V 50Hz 20kVAr 3Ph	B25675L8202J000	800	14.4	3 x 33.2	116 x 224	1	1	10,937
25.0	PhaseCap Energy Plus SHD 800V 50Hz 25kVAr 3Ph	B25675L8252J000	800	18.0	3 x 41.4	116 x 224	1	1	13,671

SquareCap Capacitors



Resin filled SquareCap Capacitors

- Power: 1 to 50 Kvar
- Rated Voltage: 440V to 525V
- Life expectancy: Up to 1,50,000 hrs.
- Rectangular MS Container with Stud terminals and ceramic bushing

Features

- Heavy Duty Long Life/Self healing property
- Low energy consumption
- Easy & quick reparability at site
- Over pressure disconnector
- PU resin as impregnant

Simplified modular construction for various industrial applications



TEG-ENA-IN-Sales@tdk.com



www.tdk.com

SquareCap Capacitors ENDC

	Series	SquareCap ENDC - Normal Duty Capacitor B32457
	Technical data	1 to 50 kVAr Single Unit Voltage: 440 V
	Features	• Manufactured using state-of-art metallization process for MPP film with heavy edge • Self healing property • Low energy consumption • Easy & quick reparability at site. • Three phase safety device in the form of pressure sensitive (over pressure) mechanical interrupter. • Compact size and light weight • Soft biodegradable resin as impregnant. • Temp class: -10/D
	Specification	Conformance to standards IEC 60831-1 & 2, EN60831-1 & 2, IS:13340
	Applications	• Stand alone capacitors (Fixed compensation) • Capacitor banks • Detuned capacitor banks • Dynamic PFC

Rating kVAr	Description	Material Code	Voltage	IR (A)	CN (μF)	H x W x D mm	Packing Units	MOQ	MRP List/ Pc in INR
SquareCap ENDC - 440 V(AC) 3PH, 50Hz (Series B32457)									
1	SquareCap ENDC 440V 50Hz-1kVAr 3Ph	B32457P5001A011	440	1.3	3 x 5.5	95 x 125 x 45	1	40	827
2	SquareCap ENDC 440V 50Hz-2kVAr 3Ph	B32457P5002A011	440	2.6	3 x 11	120 x 125 x 45	1	40	1,021
3	SquareCap ENDC 440V 50Hz-3kVAr 3Ph	B32457P5003A011	440	3.9	3 x 16.4	120 x 145 x 55	1	40	1,371
4	SquareCap ENDC 440V 50Hz-4kVAr 3Ph	B32457P5004A011	440	5.2	3 x 21.9	140 x 145 x 55	1	20	1,827
5	SquareCap ENDC 440V 50Hz 5 kVAr 3Ph	B32457F4052A040	440	6.6	3 x 27.4	240 x 185 x 60	1	20	2,289
6	SquareCap ENDC 440V 50Hz 6 kVAr 3Ph	B32457F4062A040	440	7.9	3 x 32.9	282 x 185 x 60	1	5	2,680
7	SquareCap ENDC 440V 50Hz 7 kVAr 3Ph	B32457F4072A040	440	9.2	3 x 38.4	282 x 185 x 60	1	5	3,095
7.5	SquareCap ENDC 440V 50Hz 7.5 kVAr 3Ph	B32457F4072A540	440	9.8	3 x 41.1	282 x 185 x 60	1	5	3,318
8	SquareCap ENDC 440V 50Hz 8 kVAr 3Ph	B32457F4082A040	440	10.5	3 x 43.9	282 x 185 x 60	1	5	3,539
10	SquareCap ENDC 440V 50Hz 10 kVAr 3Ph	B32457F4102A040	440	13.1	3 x 54.8	282 x 185 x 60	1	5	3,851
12.5	SquareCap ENDC 440V 50Hz 12.5 kVAr 3Ph	B32457F4122A540	440	16.4	3 x 68.5	300 x 240 x 80	1	5	4,815
15	SquareCap ENDC 440V 50Hz 15 kVAr 3Ph	B32457F4152A040	440	19.7	3 x 82.2	300 x 240 x 80	1	5	5,777
20	SquareCap ENDC 440V 50Hz 20 kVAr 3Ph	B32457F4202A040	440	26.2	3 x 109.7	300 x 240 x 80	1	2	7,703
25	SquareCap ENDC 440V 50Hz 25 kVAr 3Ph	B32457F4252A040	440	32.8	3 x 137.1	300 x 240 x 80	1	2	9,629
50	SquareCap ENDC 440V 50Hz 50 kVAr 3Ph	B32457F4502A040	440	65.6	6 x 137.1	300 x 240 x 160	1	2	19,255

SquareCap Capacitors EHDLL

	Series	SquareCap EHDLL – Heavy Duty Long Life Capacitor B32459
	Technical data	1 to 50 kVAr Single Unit Voltage: 440 V to 525 V
	Features	Manufactured using state-of-art metalisation process for MPP film with heavy edge. • Heavy Duty long life capacitors. • Self healing property. • Low energy consumption. • PU resin as impregnant. • Safety device in the form of pressure sensitive (over pressure) mechanical interrupter. • Simplified modular construction using hermetically sealed single phase basic capacitor cells. • Easy and quick reparability at site. • Temp class: -10/D.
	Specification	Conformance to standards IEC 60831-1 & 2, EN60831-1 & 2, IS:13340
	Applications	• Stand alone capacitors (Fixed compensation) • Capacitor banks • Detuned capacitor banks • Dynamic PFC

Rating kVAr	Description	Material Code	Voltage	IR (A)	CN (μF)	H x W x D mm	Packing Units	MOQ	MRP List/ Pc in INR
SquareCap EHDLL - 440 V(AC) 3Ph, 50Hz (Series B32459)									
1	SquareCap EHDLL 440V 50Hz 1 kVAr 3Ph	B32459F4012A040	440	1.3	3 x 5.5	170 x 125 x 45	1	24	1,266
2	SquareCap EHDLL 440V 50Hz 2 kVAr 3Ph	B32459F4022A040	440	2.6	3 x 11	170 x 125 x 45	1	24	1,625
3	SquareCap EHDLL 440V 50Hz 3 kVAr 3Ph	B32459F4032A040	440	3.9	3 x 16.4	240 x 185 x 60	1	20	2,436
4	SquareCap EHDLL 440V 50Hz 4 kVAr 3Ph	B32459F4042A040	440	5.2	3 x 21.9	240 x 185 x 60	1	20	3,247
5	SquareCap EHDLL 440V 50Hz 5 kVAr 3Ph	B32459F4052A040	440	6.6	3 x 27.4	240 x 185 x 60	1	10	2,879
6	SquareCap EHDLL 440V 50Hz 6 kVAr 3Ph	B32459F4062A040	440	7.9	3 x 32.9	300 x 240 x 80	1	4	3,440
7.5	SquareCap EHDLL 440V 50Hz 7.5 kVAr 3Ph	B32459F4072A540	440	9.8	3 x 41.1	300 x 240 x 80	1	4	4,177
8	SquareCap EHDLL 440V 50Hz 8 kVAr 3Ph	B32459F4082A040	440	10.5	3 x 43.9	300 x 240 x 80	1	4	4,456
10	SquareCap EHDLL 440V 50Hz 10 kVAr 3Ph	B32459F4102A040	440	13.1	3 x 54.8	300 x 240 x 80	1	4	5,567
12.5	SquareCap EHDLL 440V 50Hz 12.5 kVAr 3Ph	B32459F4122A540	440	16.4	3 x 68.5	300 x 240 x 80	1	4	6,962
15	SquareCap EHDLL 440V 50Hz 15 kVAr 3Ph	B32459F4152A040	440	19.7	3 x 82.2	300 x 240 x 80	1	4	8,352
20	SquareCap EHDLL 440V 50Hz 20 kVAr 3Ph	B32459F4202A040	440	26.2	6 x 54.8	300 x 240 x 160	1	4	11,136
25	SquareCap EHDLL 440V 50Hz-25kVAr 3Ph	B32459F4252A040	440	32.8	6 x 68.5	300 x 240 x 160	1	2	13,921
30	SquareCap EHDLL 440V 50Hz 30 kVAr 3Ph	B32459F4302A040	440	39.4	6 x 82.2	300 x 240 x 160	1	2	16,706
40	SquareCap EHDLL 440V 50Hz 40 kVAr 3Ph	B32459F4402A040	440	52.5	12 x 54.8	350 x 240 x 320	1	2	22,275
50	SquareCap EHDLL 440V 50Hz 50 kVAr 3Ph	B32459F4502A040	440	65.6	12 x 68.5	350 x 240 x 320	1	2	27,842
SquareCap EHDLL - 480 V(AC) 3Ph, 50Hz (Series B32459)									
5	SquareCap EHDLL 480V 50Hz 5 kVAr 3Ph	B32459F4052A080	480	6	3 x 23	240 x 185 x 60	1	6	2,879
12.5	SquareCap EHDLL 480V 50Hz 12.5 kVAr 3Ph	B32459F4122A580	480	15	3 x 57.6	300 x 240 x 80	1	4	6,962
13.8	SquareCap EHDLL 480V 50Hz 13.8 kVAr 3Ph	B32459F4132A880	480	16.6	3 x 63.6	300 x 240 x 80	1	4	7,676
15	SquareCap EHDLL 480V 50Hz 15 kVAr 3Ph	B32459F4152A080	480	18	3 x 69.1	300 x 240 x 80	1	4	8,352
16.6	SquareCap EHDLL 480V 50Hz 16.6 kVAr 3Ph	B32459F4162A680	480	20	6 x 38.2	300 x 240 x 80	1	4	9,242
20	SquareCap EHDLL 480V 50Hz 20 kVAr 3Ph	B32459F4202A080	480	24.1	6 x 46.1	300 x 240 x 160	1	4	11,136
22.1	SquareCap EHDLL 480V 50Hz 22.1 kVAr 3Ph	B32459F4222A180	480	26.6	6 x 51.1	300 x 240 x 160	1	4	12,308
25	SquareCap EHDLL 480V 50Hz 25 kVAr 3Ph	B32459F4252A080	480	30.1	6 x 57.6	300 x 240 x 160	1	4	13,921

Rating kVAr	Description	Material Code	Voltage	IR (A)	CN (μF)	H x W x D mm	Packing Units	MOQ	MRP List/ Pc in INR
SquareCap EHDLL - 480 V(AC) 3 PH, 50 Hz (Series B32459)									
27.7	SquareCap EHDLL 480V 50Hz 27.7 kVAr 3Ph	B32459F4272A780	480	33.3	6 x 63.6	300 x 240 x 160	1	4	15,425
29	SquareCap EHDLL 480V 50Hz 29 kVAr 3Ph	B32459F4292A080	480	34.9	6 x 66.8	300 x 240 x 160	1	2	16,147
50	SquareCap EHDLL 480V 50Hz 50 kVAr 3Ph	B32459F4502A080	480	60.1	12 x 57.6	350 x 240 x 320	1	2	27,842
SquareCap EHDLL - 525 V(AC) 3Ph, 50Hz (Series B32459)									
6.6	SquareCap EHDLL 525V 50Hz 6.6 kVAr 3Ph	B32459F5062A625	525	7.3	3 x 25.4	300 x 240 x 80	1	4	3,677
10	SquareCap EHDLL 525V 50Hz 10 kVAr 3Ph	B32459F5102A025	525	11.0	3 x 38.5	300 x 240 x 80	1	4	5,567
12.5	SquareCap EHDLL 525V 50Hz 12.5 kVAr 3Ph	B32459F5122A525	525	13.7	3 x 48.1	300 x 240 x 80	1	4	6,962
13.2	SquareCap EHDLL 525V 50Hz 13.2 kVAr 3Ph	B32459F5132A225	525	14.5	3 x 51.1	300 x 240 x 80	1	4	7,350
15	SquareCap EHDLL 525V 50Hz 15 kVAr 3Ph	B32459F5152A025	525	16.5	3 x 57.8	300 x 240 x 80	1	4	8,352
16.6	SquareCap EHDLL 525V 50Hz 16.6 kVAr 3Ph	B32459F5162A625	525	18.3	3 x 63.9	300 x 240 x 80	1	4	9,242
20	SquareCap EHDLL 525V 50Hz 20 kVAr 3Ph	B32459F5202A025	525	22.0	6 x 38.5	300 x 240 x 160	1	2	11,136
25	SquareCap EHDLL 525V 50Hz 25 kVAr 3Ph	B32459F5252A025	525	27.5	6 x 48.1	300 x 240 x 160	1	2	13,921
26.5	SquareCap EHDLL 525V 50Hz 26.5 kVAr 3Ph	B32459F5262A525	525	29.1	6 x 51.1	300 x 240 x 160	1	2	14,757
30	SquareCap EHDLL 525V 50Hz 30 kVAr 3Ph	B32459F5302A025	525	33.0	6 x 57.8	300 x 240 x 160	1	2	16,706
33.1	SquareCap EHDLL 525V 50Hz 33.1 kVAr 3Ph	B32459F5332A125	525	36.4	6 x 63.9	300 x 240 x 160	1	2	18,432
50	SquareCap EHDLL 525V 50Hz 50 kVAr 3Ph	B32459F5502A025	525	55.0	12 x 48.1	350 x 240 x 320	1	2	27,842

SquareCap Capacitors - ESHDC

	Series	SquareCap ESHDC - Super Heavy Duty Capacitor B32455
	Technical data	1 to 50 kVAr Single Unit Voltage: 440 V to 525 V
	Features	• Super Heavy Duty capacitor for non-linear arduous and fluctuating loads. • Manufactured using state-of-art metalisation process for MPP film with heavy edge. • Self healing property. • Low energy consumption. • PU resin as impregnant. • Safety device in the form of pressure sensitive (over pressure) mechanical interrupter. • Simplified modular construction using hermetically sealed single phase basic capacitor cells. • Easy and quick reparability • Temp class: -10/D.
	Specification	Conformance to standards IEC 60831-1 & 2, EN60831-1 & 2, IS:13340
	Applications	• Stand alone capacitors (Fixed compensation) • Capacitor banks • Detuned capacitor banks • Dynamic PFC

Rating kVAr	Description	Material Code	Voltage	IR (A)	CN (μF)	H x W x D mm	Packing Units	MOQ	MRP List/ Pc in INR
SquareCap ESHDC - 440 V(AC) 3Ph, 50Hz (Series B32455)									
1	SquareCap ESHDC 440V 50Hz 1 kVAr 3Ph	B32455F4012A040	440	1.3	3 x 5.5	270 x 185 x 60	1	10	2,029
2	SquareCap ESHDC 440V 50Hz 2 kVAr 3Ph	B32455F4022A040	440	2.6	3 x 11	270 x 185 x 60	1	10	2,732
3	SquareCap ESHDC 440V 50Hz 3 kVAr 3Ph	B32455F4032A040	440	3.9	3 x 16.4	300 x 240 x 80	1	10	4,095
4	SquareCap ESHDC 440V 50Hz 4 kVAr 3Ph	B32455F4042A040	440	5.2	3 x 21.9	300 x 240 x 80	1	10	5,460
5	SquareCap ESHDC 440V 50Hz 5 kVAr 3Ph	B32455F4052A040	440	6.6	3 x 27.4	300 x 240 x 80	1	4	5,279
7.5	SquareCap ESHDC 440V 50Hz 7.5 kVAr 3Ph	B32455F4072A540	440	9.2	3 x 38.4	400 x 240 x 80	1	4	6,195
10	SquareCap ESHDC 440V 50Hz 10 kVAr 3Ph	B32455F4102A040	440	13.1	3 x 54.8	400 x 240 x 80	1	4	8,261
12.5	SquareCap ESHDC 440V 50Hz 12.5 kVAr 3Ph	B32455F4122A540	440	16.4	3 x 68.6	400 x 240 x 80	1	4	10,326
15	SquareCap ESHDC 440V 50Hz 15 kVAr 3Ph	B32455F4152A040	440	19.7	6 x 41.1	400 x 240 x 160	1	4	12,392
20	SquareCap ESHDC 440V 50Hz 20 kVAr 3Ph	B32455F4202A040	440	26.2	6 x 54.8	400 x 240 x 160	1	2	16,521
25	SquareCap ESHDC 440V 50Hz 25 kVAr 3Ph	B32455F4252A040	440	32.8	6 x 68.6	400 x 240 x 160	1	2	20,651
50	SquareCap ESHDC 440V 50Hz 50 kVAr 3Ph	B32455F4502A040	440	65.6	12 x 68.6	450 x 240 x 320	1	2	41,307
SquareCap ESHDC - 480 V(AC) 3Ph, 50Hz (Series B32455)									
5	SquareCap ESHDC 480V 50Hz 5 kVAr 3Ph	B32455F4052A080	480	6.6	3 x 25.4	400 x 240 x 80	1	4	4,794
6	SquareCap ESHDC 480V 50Hz 6 kVAr 3Ph	B32455F4062A080	480	7.2	3 x 27.6	400 x 240 x 80	1	4	5,744
7.5	SquareCap ESHDC 480V 50Hz 7.5 kVAr 3Ph	B32455F4072A580	480	9	3 x 34.6	400 x 240 x 80	1	4	6,197
10	SquareCap ESHDC 480V 50Hz 10 kVAr 3Ph	B32455F4102A080	480	12	3 x 46.1	400 x 240 x 80	1	4	8,261
11.1	SquareCap ESHDC 480V 50Hz 11.1 kVAr 3Ph	B32455F4112A180	480	13.4	3 x 51.1	400 x 240 x 80	1	4	9,169
12.5	SquareCap ESHDC 480V 50Hz 12.5 kVAr 3Ph	B32455F4122A580	480	15	3 x 57.6	400 x 240 x 80	1	4	10,326
13.8	SquareCap ESHDC 480V 50Hz 13.8 kVAr 3Ph	B32455F4132A880	480	16.6	3 x 63.8	400 x 240 x 80	1	4	11,401
16.6	SquareCap ESHDC 480V 50Hz 16.6 kVAr 3Ph	B32455F4162A680	480	20	6 x 38.3	400 x 240 x 160	1	2	13,715
22.1	SquareCap ESHDC 480V 50Hz 22.1 kVAr 3Ph	B32455F4222A180	480	26.6	6 x 50.9	400 x 240 x 160	1	2	18,257
25	SquareCap ESHDC 480V 50Hz 25 kVAr 3Ph	B32455F4252A080	480	30.1	6 x 57.6	400 x 240 x 160	1	2	20,651
27.7	SquareCap ESHDC 480V 50Hz 27.7 kVAr 3Ph	B32455F4272A780	480	33.3	6 x 63.8	400 x 240 x 160	1	2	22,884
50	SquareCap ESHDC 480V 50Hz 50 kVAr 3Ph	B32455F4502A080	480	60.1	12 x 57.6	450 x 240 x 320	1	2	41,307

Rating kVAr	Description	Material Code	Voltage	IR (A)	CN (μF)	H x W x D mm	Packing Units	MOQ	MRP List/ Pc in INR
SquareCap ESHDC - 525 V(AC) 3Ph, 50Hz (Series B32455)									
6.6	SquareCap ESHDC 525V 50Hz 6.6 kVAr 3Ph	B32455F5062A625	525	7.3	3 x 25.4	400 x 240 x 80	1	4	6,262
10	SquareCap ESHDC 525V 50Hz 10 kVAr 3Ph	B32455F5102A025	525	11	3 x 38.5	400 x 240 x 80	1	4	8,261
12.5	SquareCap ESHDC 525V 50Hz 12.5 kVAr 3Ph	B32455F5122A525	525	13.7	3 x 48.2	400 x 240 x 80	1	4	10,328
13.2	SquareCap ESHDC 525V 50Hz 13.2 kVAr 3Ph	B32455F5132A225	525	14.5	6 x 50.8	400 x 240 x 160	1	4	10,905
15	SquareCap ESHDC 525V 50Hz 15 kVAr 3Ph	B32455F5152A025	525	16.5	6 x 28.9	400 x 240 x 160	1	2	12,392
16.6	SquareCap ESHDC 525V 50Hz 16.6 kVAr 3Ph	B32455F5162A625	525	18.3	6 x 32	400 x 240 x 160	1	2	13,715
20	SquareCap ESHDC 525V 50Hz 20 kVAr 3Ph	B32455F5202A025	525	22	6 x 38.5	400 x 240 x 160	1	2	16,521
25	SquareCap ESHDC 525V 50Hz 25 kVAr 3Ph	B32455F5252A025	525	27.5	6 x 48.2	400 x 240 x 160	1	2	20,651
26.5	SquareCap ESHDC 525V 50Hz 26.5 kVAr 3Ph	B32455F5262A525	525	29.1	6 x 50.8	400 x 240 x 160	1	2	21,895
33.1	SquareCap ESHDC 525V 50Hz 33.1 kVAr 3Ph	B32455F5332A225	525	36.4	12 x 32	450 x 240 x 320	1	2	27,344
35	SquareCap ESHDC 525V 50Hz 35 kVAr 3Ph	B32455F5352A025	525	38.5	12 x 33.7	450 x 240 x 320	1	2	28,915
50	SquareCap ESHDC 525V 50Hz 50 kVAr 3Ph	B32455F5502A025	525	55	12 x 48.2	450 x 240 x 320	1	2	41,307

Capacitor - Duty Contactor		
	Series	Capacitor Duty Contactor C24*
	Technical data	• Rating: 7 kVAr to 100 kVAr • Voltage Range (380 V to 690 V) • Operational ambient temperature up to 60 °C
	Features	• Wide range of kVAr and Operating Voltage • Excellent damping of inrush current by the use of leading contacts with wiper function and special resistors • Longer useful life of main contacts of capacitor Contactor • Soft switching of contactor and thus longer useful life • Weld resistant up to a possible peak inrush current of 200 times the rated capacitor current • Enhance mean life expectancy of PFC systems • Reduce Ohmic losses • Tamper proof and protected resistors • Suitable for use with or without detuned reactors • Easy access for cable connection • Type tested at CPRI • AC-6b Utilisation category
	Specification	Technical data according to Standards IEC 947-4-1, IEC 947-5-1, EN 60947-4-1EN 60947-5-1 and VDE 0660

Type	Rating kVAr	Voltage V V(AC)	Description	Material Code	MRP List/ Pc in INR
Capacitor Duty Contactor - Standard Series					
Capacitor Duty Contactor	7	240	Cap Duty Contactor 7 kVAr 1NO 1NC 240V	B44066S 711C240	2,848
Capacitor Duty Contactor	10	240	Cap Duty Contactor 10 kVAr 1NO 1NC 240V	B44066S1011C240	2,968
Capacitor Duty Contactor	12.5	240	Cap Duty Contactor 12.5 kVAr 1NO 1NC 240V	B44066S1211C240	3,211
Capacitor Duty Contactor	16	240	Cap Duty Contactor 16 kVAr 1NO 1NC 240V	B44066S1611C240	4,118
Capacitor Duty Contactor	20	240	Cap Duty Contactor 20 kVAr 1NO 1NC 240V	B44066S2011C240	4,909
Capacitor Duty Contactor	25	240	Cap Duty Contactor 25 kVAr 1NO 1NC 240V	B44066S2511C240	5,636
Capacitor Duty Contactor	33	240	Cap Duty Contactor 33 kVAr 1NO 2NC 240V	B44066S3312C240	11,387
Capacitor Duty Contactor	40	240	Cap Duty Contactor 40 kVAr 1NO 2NC 240V	B44066S4012C240	12,791
Capacitor Duty Contactor	50	240	Cap Duty Contactor 50 kVAr 1NO 2NC 240V	B44066S5012C242	15,959
Capacitor Duty Contactor	60	240	Cap Duty Contactor 60 kVAr 1NO 2NC 240V	B44066S6012C240	16,301
Capacitor Duty Contactor	75	240	Cap Duty Contactor 75 kVAr 1NO 2NC 240V	B44066S7512C242	20,392
Capacitor Duty Contactor	80	240	Cap Duty Contactor 80 kVAr 1NO 2NC 240V	B44066S8012C241	25,285
Capacitor Duty Contactor	100	240	Cap Duty Contactor 100 kVAr 1NO 2NC 240V	B44066S9912C241	28,246

Compact TSM

Thyristor Switching Modules



- **Universal Power Connection** (Interchangeable Line-Load Connection)
- **Polarity Insensitive** for Triggers & Aux Power Supply (24V DC)
- **Wide Operating Voltage Band:** 300V to 500V
- **Peak Inverse Voltage (PIV):** 2200V
- **EMI/EMC Compliance**

Industry's First Ultra-Compact TSM



TEG-ENA-IN-Sales@tdk.com



www.tdk.com

Compact Thyristor Module		
	Series	Compact Thyristor Module B44066T* 
	Technical data	• Dimensions: 65x165x150 mm (WxHxD) • Weight: 2kg • Operating voltage: 300 to 500 V • Auxiliary supply voltage: 24vdc ± 2 vdc (150mA max current), polarity insensitive • Frequency: 50/ 60Hz • Max. voltage: In systems without reactor: 480V • 7% detuning: max 480V • 14% detuning: max 480V
	Features	• Thyristor module for dynamic compensation system in grids from 300 to 500 V • EMC/EMI Compliance • Self-adaptive to harmonics • Maximum switching time 10 msec • Near zero switching without noise • Enhanced temperature management • RoHS-compatible CE marking
	Applications	Automobile Body Shop, Weldings, Cranes, Elevators, Wind turbines

Type	Rating kVAr	Voltage V V(AC)	Description	Material Code	MRP List/ Pc in INR
Compact Thyristor Switch and Discharge Resistor (New)					
CTSM 15	15	440	Compact TSM Module 15 kVAr 440V including EW22	B44066T0015I440	28,109
CTSM 25	25	440	Compact TSM Module 25 kVAr 440V including EW22	B44066T0025I440	32,810
CTSM 50	50	440	Compact TSM Module 50 kVAr 440V including EW22	B44066T0050I440	33,997

Thyristor Module		
	Series	Thyristor Module TSM LC-N
	Technical data	• Power : 10 kVAr to 100 kVAr • Rated Voltage : 400, 415, 440 and 690 V • Operational temp.: -10..+ 55 °C
	Features	• Suitable for real time power factor correction • Easy Installation: Can be used as a Contactor • Reaction time: 5 milli seconds • Self Control of Voltage Parameter, Capacitor Current, Temperature of the thyristor switch • Alarm output per module • Manual operation possible • Auto switch off in over current and over temp. • Displays Operations, Faults & Activation
	Applications	Automobile Body Shop, Weldings, Cranes, Elevators, Wind turbines

Type	Rating kVAr	Voltage V V(AC)	Description	Material Code	MRP List/ Pc in INR
Thyristor Switch and Discharge Resistor					
TSM 10	10	440	Thyristor Module 10 kVAr 440V (TSM LC-N) incl EW22	B44066T0010R440	30,551
TSM 25	25	440	Thyristor Module 25 kVAr 440V (TSM LC-N) incl EW22	B44066T3025R442	37,283
TSM 50	50	440	Thyristor Module 50 kVAr 440V (TSM LC-N) incl EW22	B44066T3050R442	38,633
TSM 100	100	440	Thyristor Module 100 kVAr 440V (TSM LC-N) incl EW22	B44066T0100I440	79,785
TSM 50	50	690	Thyristor Module 50 kVAr 690V (TSM LC-N) excl Resistor	B44066T3050E690	1,19,588
EW22-Resistor	-	440	Discharge Resistor 22K, 50W, 5%	B44066T0022S400	1,568
Output Buffer Card, 24V		24	Buffer Card	B44066R1116R230	10,843

BR5600 R/T

Universal PF Controller



- Single Controller for LV/MV Sensing & Compensation
- 3/2/1 Phase CT Sensing
- 1ph & 3ph Capacitors in Same relay
- Four Quad Operation- Solar/Wind/Co-Gen
- %THDV, %THDI, %TDD upto 31st Harmonics (Odd & Even)
- Wide ranging Power Supply (90V~ to 485V~) with Auto roll back option
- Activation at 5mA (0.1% Load on 5Amp CT)

Most Versatile Relay to meet Wide Range of Applications



TEG-ENA-IN-Sales@tdk.com



www.tdk.com

Power Factor Controller



	Series	Power Factor Controller BR 4000
	Technical data	• Steps - 4, 6 and 8 relay outputs • Current Input - 1A or 5 A • Supply Voltage - 110 V AC-550 V AC • Measurement Voltage : 30...550 V AC (L-L/L-N) • Operating temperature : 0 to 60 ° C • Compact 96 x 96 x 75 mm • Adapter plate for 144 x 144 cut out can be provided for BR4000-ER and BR4000-S
	Important display parameters	• Voltage • Current • Temperature • Energy KWh, KVAh, KVARh • Real time PF • Power KW, KVA, kVAh • Harmonics % ITHD, %VTHD, individual up to 31st
	Features	• Intelligent control • Large measurement and input voltage range • User friendly operation • Individual harmonics up to 31st order • Four quadrant operations RS 485 communication/real time clock (optional) • 4 steps variant upgradable to 6 and 8 with additional module. • Configurable alarm output for various parameters • Recall recorded values for 10 various important parameters.

Type	Steps	Voltage V	Description	Material Code	MRP List/ Pc in INR
Power Factor Controller					
Contr - BR4200-NEW	8	440	PFC BR4200R-8 Steps, 1CT, 1Ph, 240V Relay O/P-New	B44066R4208A240	22,367
Contr - BR4000-ER	4	240	BR4000-ER Series 4 Step Relay O/P 240V	B44066R4004R240	10,426
Contr - BR4000-ER	6	240	BR4000-ER Series 6 Step Relay O/P 240V	B44066R4006R240	11,968
Contr - BR4000-ER	8	240	BR4000-ER Series 8 Step Relay O/P 240V	B44066R4008R240	14,067
Contr - BR4000-S	4	240	BR4000-S Series 4 Step Relay O/P 240V with 144x144 Adaptor plate	B44066R4104R240	8,222
Contr - BR4000-S	6	240	BR4000-S Series 6 Step Relay O/P 240V with 144x144 Adaptor plate	B44066R4106R240	9,349
Contr - BR4000-S	8	240	BR4000-S Series 8 Step Relay O/P 240V with 144x144 Adaptor plate	B44066R4108R240	10,188

Power Factor Controller		
	Series	Power Factor Controller BR 2100
	Technical data	• Steps - 6,8 and 12 relay outputs • Current Input - 1A or 5 A • Supply Voltage - 110 VAC-550 VAC • Operating temperature : -10 to 60 °C • Compact 144 x 144 mm front fascia
	Important display parameters	• Voltage • Real time PF • Current • Power KW, KVA, KVAR • Temperature • Harmonics % ITHD, %VTHD, individual up to 31st • Energy KWh, KVAh, KVARh
	Features	• Intelligent control • Menu driven handling in English language • Test-run possible • Large voltage measuring range • Recall function of recorded values • Four-quadrant operation Potential free contact alarm output (Optional) • RS485 communication interface (Optional) • Real Time Clock (Optional) • Log of Time date stamping for last 3 system faults enabled • Auto Initialization function • Input voltage connection detection \ (L-N\L-L) • Three bank selection mode • Control series (upto 20)

Type	Steps	Voltage V	Description	Material Code	MRP List/ Pc in INR
Power Factor Controller					
Contr - BR2100	6	240	BR2100 Series 6 Step Relay 230V	B44066R2006R240	15,665
Contr - BR2100	8	240	BR2100 Series 8 Step Relay 230V	B44066R2008R240	17,800
Contr - BR2100	12	240	BR2100 Series 12 Step Relay 230V	B44066R2012R240	19,222

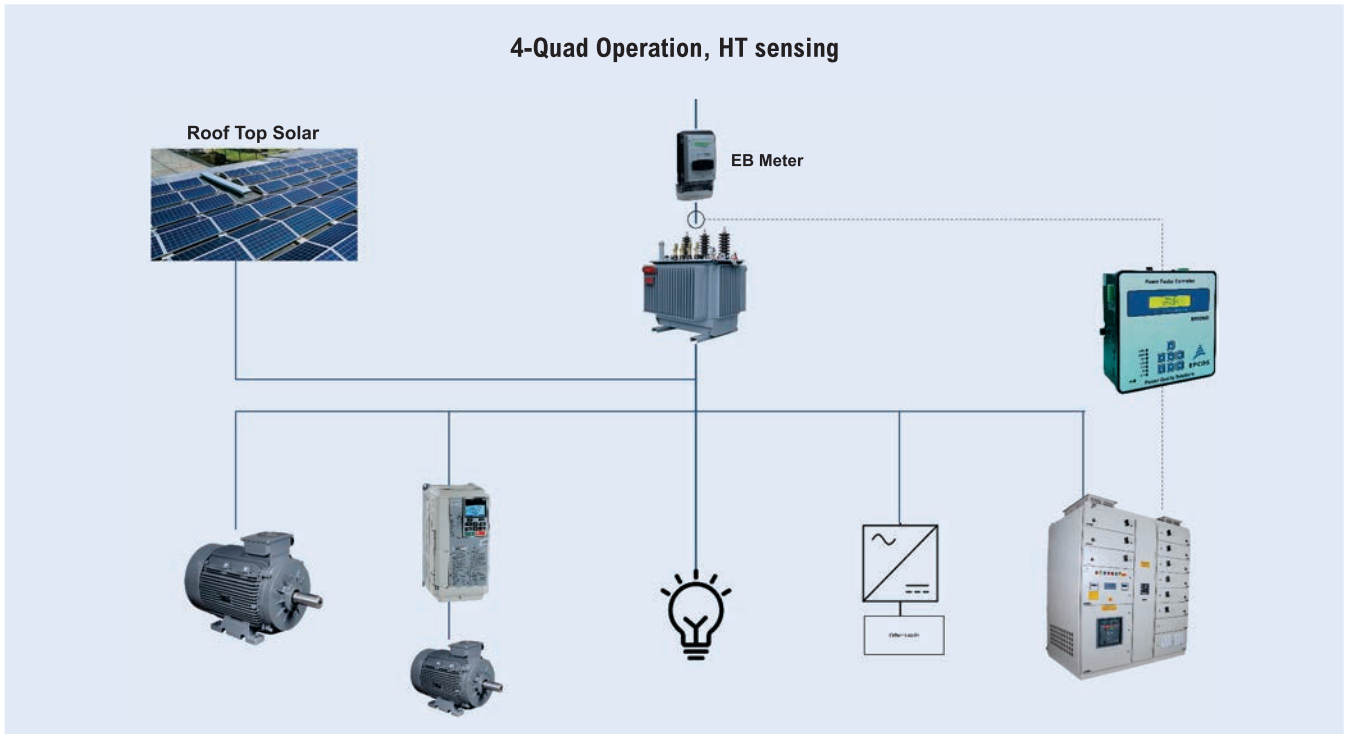
Power Factor Controller

	Series	Power Factor Controller BR 6000
	Technical data	• Steps - 6 and 12 outputs (in both relay and transistorised versions) • Current Input - 1A or 5 A • Supply Voltage - 1Ph - 230 V AC • Measurement Voltage :1Ph 30V - 525V AC (L-N) or (L-L) • Operating temperature: -20 to +60 °C • Compact 144 x 144 mm front fascia
	Important display parameters	• Voltage • Real time PF • Current • Power KW, KVA, KVAR • Temperature • Harmonics % ITHD, %VTHD, individual up to 31st • Energy KWh, KVAh, KVARh
	Features	• Microcontroller logic for measurements • Self explanatory menu navigation in several languages • Self optimizing control capability • Control modes : LIFO, FIFO and Self optimized Intelligent Control. • Large and multifunctional LCD with backlit display (2 X 16 characters) • Single CT sensing for balanced loads • Dual target Power Factor setting (available in 12 stage) - useful for utility and DG mode operation available optional • Automatic synchronization possible • Display and storage of maximum values, number of switching operations and operating time • Recall function of recorded values • RS 232 Interface optional • Alarm output optional • Dynamic Power Factor Controller (Transistorised) available in 6 and 12 steps • Cascading possible with master slave versions • Protective earth terminal to reduce noise and unwanted interference signals • EMI/ EMC type tested • Individual Harmonic measurement upto 19th order.

Type	Steps	Voltage V	Description	Material Code	MRP List/ Pc in INR
Power Factor Controller					
Contr - BR6000	6	230	BR6000 Series 6 Step Relay 230V	B44066R6006R230	17,357
Contr - BR6000	12	230	BR6000 Series 12 Step Relay 230V	B44066R6012R230	21,303
Contr - BR6000	12	230	BR6000 Series T12 Step Transistor O/P Relay 230V	B44066R6112R230	28,798
Contr - BR6000	6	230	BR6000 Series T6 Step Transistor O/P Relay 230V	B44066R6106R230	23,405
Contr - BR6000	12	230	BR6000 Series (RS485 interface) 12 Step Relay	B44066R6412R230	28,008

Power Factor Controller		
	Series	Power factor controller BR5600 R/T (LV/HV) NEW
	Technical data	• 16 steps controller (in both relay and transistorized versions) • Current input : 1A or 5A (1CT/2CT/3CT sensing) • Supply voltage 90V to 485V L-L / 100V to 550Vdc • Measurement voltage 50...315V ~ (L-N) / 85... 550V ~ (L-L) • Operating temperature 0°C to 60°C • Size 144mm x 144mm front fascia
	Important display parameters	• Voltage • Real time PF • Current • Power KW, kVA, kVAr • Temperature • Harmonics % ITHD, %VTHD, individual up to 31st • Energy KWh, KVAh, KVARh
	Features	• Intelligent control • Self-optimizing control capability • Wide range of auxiliary power supply with AC or DC input • Large measuring voltage range • Data logging • Four-quadrant operation (e.g. stand by generator) • High precision of measurement • Phase sequence of measurement voltage • Easy edit mode (to program minimum parameters) • Expert edit mode facility to access special functions • Minimum current sensing 5mA • Storage of maximum values • Storage of switching operations and time • Monitoring of capacitor kVAr • 1 auxiliary input & 3 auxiliary output • Measurement methods like 3 wattmeter/ 2 wattmeter/ balanced quadrature/ balanced in phase • RS232, RS485 and GPRS communication with modem connectivity • External temperature monitoring facility via PT100 sensor(RTD) • RoHS-compatible • CE marking

Type	Steps	Voltage V	Description	Material Code	MRP List/ Pc in INR
Power Factor Controller					
Contr - BR5600	16	415	PFC BR5600T-16 Steps,3CT,3Ph,415V TX O/P-New	B44066R5715A415	40,046
Contr - BR5600	16	415	PFC BR5600R-16 Steps,3CT,3Ph,415VRelay O/P-New	B44066R5615A415	38,281



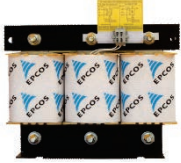
High VTHD Detuned Reactors



- **Voltage Harmonics Withstand: 12% / 16% / 20% VTHD**
- **Al Foil Design**
 - **To avoid Skin Effect**
 - **Higher Short Circuit Withstand Capacity**
- **Linearity: Up to 250% of Rated Current**

Designed to work for most demanding Applications

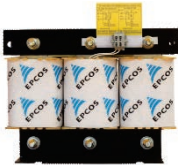
Three Phase Detuned Filter Reactor

	Series	Three Phase Detuned Filter Reactor
	Technical data	• Effective Filter out put 5 kVAr to 100 kVAr • 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) • Rated Voltage: (230 V to 690 V) • Available in three designs 1. Aluminum Foil Wound 2. Aluminum Strip Wound 3. Copper Conductor Wound
	Features	• High Linearity up to 208% • Low loss design, light weight and low noise level < 65DB • High over loading capability • Safety device - bimetallic microswitch in central winding • Type tested at CPRI.

Type	Rating kVAr	Voltage V V(AC)	Description	Material Code	MRP List/ Pc in INR
Three Phase Detuned Reactor Filter Reactor (CU & Aluminium Wound)					
DR - AL - 7% Detuned Reactor	5	440	Reactor 5kVAr,7%,440V, 50Hz, AL Strip	B44066D7005K440	10,323
DR - AL - 7% Detuned Reactor	10	440	Reactor 10kVAr,7%,440V, 50Hz, AL Strip	B44066D7010K440	12,555
DR - AL - 7% Detuned Reactor	12.5	440	Reactor 12.5kVAr,7%,440V, 50Hz, AL Strip	B44066D7012K440	12,836
DR - AL - 7% Detuned Reactor	15	440	Reactor 15kVAr,7%,440V, 50Hz, AL Strip	B44066D7015K440	18,275
DR - AL - 7% Detuned Reactor	20	440	Reactor 20kVAr,7%,440V, 50Hz, AL Strip	B44066D7020K440	20,090
DR - AL - 7% Detuned Reactor	25	440	Reactor 25kVAr,7%,440V, 50Hz, AL Strip	B44066D7025K440	20,783
DR - AL - 7% Detuned Reactor	50	440	Reactor 50kVAr,7%,440V, 50Hz, AL Strip	B44066D7050K440	31,525
DR - AL - 7% Detuned Reactor	100	440	Reactor 100kVAr,7%,440V, 50Hz, AL Strip	B44066D7100K440	59,647
DR - AL - 7% Detuned Reactor	75	440	Reactor 75kVAr,7%,440V, 50Hz, AL Foil	B44066D7075E440	54,959
DR - AL - 7% Detuned Reactor	100	440	Reactor 100kVAr,7%,440V, 50Hz, AL Foil	B44066D7100E440	62,771
DR - AL - 7% Detuned Reactor	5	415	Reactor 5kVAr,7%,415V, 50Hz , AL Strip	B44066D7005K415	11,158
DR - AL - 7% Detuned Reactor	10	415	Reactor 10kVAr,7%,415V, 50Hz , AL Strip	B44066D7010K415	13,531
DR - AL - 7% Detuned Reactor	15	415	Reactor 15kVAr,7%,415V, 50Hz , AL Strip	B44066D7015K415	19,251
DR - AL - 7% Detuned Reactor	20	415	Reactor 20kVAr,7%,415V, 50Hz , AL Strip	B44066D7020K415	20,646
DR - AL - 7% Detuned Reactor	25	415	Reactor 25kVAr,7%,415V, 50Hz , AL Strip	B44066D7025K415	21,760
DR - AL - 7% Detuned Reactor	35	415	Reactor 35kVAr,7%,415V, 50Hz , AL Strip	B44066D7035K415	22,595
DR - AL - 7% Detuned Reactor	50	415	Reactor 50kVAr,7%,415V, 50Hz , AL Strip	B44066D7050K415	32,720
DR - AL - 7% Detuned Reactor	75	415	Reactor 75kVAr,7%,415V, 50Hz , AL Foil	B44066D7075E415	55,517
DR - AL - 7% Detuned Reactor	100	415	Reactor 100 kVAr,7%,415V, 50Hz , AL Foil	B44066D7100E415	61,934
DR - AL - 7% Detuned Reactor	5	440	Reactor 5kVAr,7%,440V, 50Hz, AL Foil	B44066D7005E440	11,857
DR - AL - 7% Detuned Reactor	10	440	Reactor 10kVAr,7%,440V, 50Hz, AL Foil	B44066D7010E440	16,391
DR - AL - 7% Detuned Reactor	15	440	Reactor 15kVAr,7%,440V, 50Hz, AL Foil	B44066D7015E440	25,947
DR - AL - 7% Detuned Reactor	25	440	Reactor 25kVAr,7%,440V, 50Hz, AL Foil	B44066D7025E440	26,782
DR - AL - 7% Detuned Reactor	50	440	Reactor 50kVAr,7%,440V, 50Hz, AL Foil	B44066D7050E440	33,896
DR - AL - 7% Detuned Reactor	5	690	Reactor 5kVAr,7%,690V, 50Hz , AL Strip	B44066D7005K690	14,809
DR - AL - 7% Detuned Reactor	10	690	Reactor 10kVAr,7%,690V, 50Hz , AL Strip	B44066D7010K690	20,162
DR - AL - 7% Detuned Reactor	25	690	Reactor 25kVAr,7%,690V, 50Hz , AL Strip	B44066D7025K690	32,402

Type	Rating kVAr	Voltage V V(AC)	Description	Material Code	MRP List/ Pc in INR
Three Phase Detuned Filter Reactor (Aluminium Wound)					
DR - AL - 7% Detuned Reactor	50	690	Reactor 50kVAr,7%,690V, 50Hz , AL Strip	B44066D7050K690	44,876
DR - AL - 7% Detuned Reactor	25	690	Reactor 25kVAr,7%,690V, 50Hz , AL Foil	B44066D7025E690	39,064
DR - AL - 7% Detuned Reactor	50	690	Reactor 50kVAr,7%,690V, 50Hz , AL Foil	B44066D7050E690	60,280
DR - AL - 14% Detuned Reactor	10	440	Reactor 10kVAr,14%,440V, 50Hz, AL Strip	B44066D1410K440	17,716
DR - AL - 14% Detuned Reactor	15	440	Reactor 15kVAr,14%,440V, 50Hz, AL Strip	B44066D1415K440	25,754
DR - AL - 14% Detuned Reactor	20	440	Reactor 20kVAr,14%,440V, 50Hz, AL Strip	B44066D1420K440	32,920
DR - AL - 14% Detuned Reactor	5	440	Reactor 5kVAr, 14%,440V, 50Hz, AL Foil	B44066D1405E440	13,948
DR - AL - 14% Detuned Reactor	10	440	Reactor 10kVAr,14%,440V, 50Hz, AL Foil	B44066D1410E440	25,387
DR - AL - 14% Detuned Reactor	15	440	Reactor 15kVAr,14%,440V, 50Hz, AL Foil	B44066D1415E440	29,295
DR - AL - 14% Detuned Reactor	25	440	Reactor 25kVAr,14%,440V, 50Hz, AL Foil	B44066D1425E440	42,406
DR - AL - 14% Detuned Reactor	50	440	Reactor 50kVAr,14%,440V, 50Hz, AL Foil	B44066D1450E440	64,165
DR - AL - 14% Detuned Reactor	100	440	Reactor 100kVAr,14%,440V, 50Hz, AL Foil	B44066D1499E440	1,38,098
DR - AL - 5.67% Detuned Reactor	5	440	Reactor 5kVAr,5.67%,440V, 50Hz, 200%, AL Strip	B44066D5005K440	10,598
DR - AL - 5.67% Detuned Reactor	10	440	Reactor 10kVAr,5.67%,440V, 50Hz, 200%, AL Strip	B44066D5010K440	12,836
DR - AL - 5.67% Detuned Reactor	15	440	Reactor 15kVAr,5.67%,440V, 50Hz, 200%, AL Strip	B44066D5015K440	18,832
DR - AL - 5.67% Detuned Reactor	25	440	Reactor 25kVAr,5.67%,440V, 50Hz, 200%, AL Strip	B44066D5025K440	21,481
DR - AL - 5.67% Detuned Reactor	50	440	Reactor 50kVAr,5.67%,440V, 50Hz, 200%, AL Strip	B44066D5050K440	33,439
DR - CU - 7% Detuned Reactor	5	440	Reactor 5kVAr,7%,440V, 50Hz, Cu	B44066D7005J440	13,601
DR - CU - 7% Detuned Reactor	10	440	Reactor 10kVAr,7%,440V, 50Hz, Cu	B44066D7010J440	19,928
DR - CU - 7% Detuned Reactor	12.5	440	Reactor 12.5kVAr,7%,440V, 50Hz, Cu	B44066D7012J440	22,091
DR - CU - 7% Detuned Reactor	15	440	Reactor 15kVAr,7%,440V, 50Hz, Cu	B44066D7015J440	26,415
DR - CU - 7% Detuned Reactor	20	440	Reactor 20kVAr,7%,440V, 50Hz, Cu	B44066D7020J440	27,898
DR - CU - 7% Detuned Reactor	25	440	Reactor 25kVAr,7%,440V, 50Hz, Cu	B44066D7025J440	29,563
DR - CU - 7% Detuned Reactor	50	440	Reactor 50kVAr,7%,440V, 50Hz, Cu	B44066D7050J440	44,590
DR - CU - 7% Detuned Reactor	75	440	Reactor 75kVAr,7%,440V, 50Hz, Cu	B44066D7075J440	73,541
DR - CU - 7% Detuned Reactor	100	440	Reactor 100kVAr,7%,440V, 50Hz, Cu	B44066D7100J440	94,516
DR - CU - 7% Detuned Reactor	5	415	Reactor 5kVAr,7%,415V, 50Hz, Cu	B44066D7005J415	14,395
DR - CU - 7% Detuned Reactor	10	415	Reactor 10kVAr,7%,415V, 50Hz, Cu	B44066D7010J415	21,071
DR - CU - 7% Detuned Reactor	12.5	415	Reactor 12.5kVAr,7%,415V, 50Hz, Cu	B44066D7012J415	20,462
DR - CU - 7% Detuned Reactor	15	415	Reactor 15kVAr,7%,415V, 50Hz, Cu	B44066D7015J415	26,953
DR - CU - 7% Detuned Reactor	20	415	Reactor 20kVAr,7%,415V, 50Hz, Cu	B44066D7020J415	28,496
DR - CU - 7% Detuned Reactor	25	415	Reactor 25kVAr,7%,415V, 50Hz, Cu	B44066D7025J415	29,723
DR - CU - 7% Detuned Reactor	50	415	Reactor 50kVAr,7%,415V, 50Hz, Cu	B44066D7050J415	45,371
DR - CU - 7% Detuned Reactor	75	415	Reactor 75kVAr,7%,415V, 50Hz, Cu	B44066D7075J415	67,055
DR - CU - 7% Detuned Reactor	100	415	Reactor 100kVAr,7%,415V, 50Hz, Cu	B44066D7100J415	93,713
DR - CU - 14% Detuned Reactor	5	440	Reactor 5kVAr,14%,440V, 50Hz, Cu	B44066D1405J440	15,761
DR - CU - 14% Detuned Reactor	10	440	Reactor 10kVAr,14%,440V, 50Hz, Cu	B44066D1410J440	33,361
DR - CU - 14% Detuned Reactor	12.5	440	Reactor 12.5kVAr,14%,440V, 50Hz, Cu	B44066D1412J440	35,584
DR - CU - 14% Detuned Reactor	15	440	Reactor 15kVAr,14%,440V, 50Hz, Cu	B44066D1415J440	33,210
DR - CU - 14% Detuned Reactor	20	440	Reactor 20kVAr,14%,440V, 50Hz, Cu	B44066D1420J440	41,512
DR - CU - 14% Detuned Reactor	25	440	Reactor 25kVAr,14%,440V, 50Hz, Cu	B44066D1425J440	56,133
DR - CU - 14% Detuned Reactor	50	440	Reactor 50kVAr,14%,440V, 50Hz, Cu	B44066D1450J440	89,440
DR - CU - 14% Detuned Reactor	75	440	Reactor 75kVAr,14%,440V, 50Hz, Cu	B44066D1475J440	1,23,876

Type	Rating kVAr	Voltage V V(AC)	Description	Material Code	MRP List/ Pc in INR
Three Phase Detuned Filter Reactor (Aluminium Wound)					
DR - CU - 14% Detuned Reactor	100	440	Reactor 100kVAr,14%,440V, 50Hz, Cu	B44066D1499J440	1,46,291
DR - CU - 5.67% Detuned Reactor	5	440	Reactor 5kVAr,5.67%,440V, 50Hz, 200%,Cu	B44066D5005J440	20,731
DR - CU - 5.67% Detuned Reactor	10	440	Reactor 10kVAr,5.67%,440V, 50Hz, 200%,Cu	B44066D5010J440	19,951
DR - CU - 5.67% Detuned Reactor	12.5	440	Reactor 12.5kVAr,5.67%,440V, 50Hz, 200%,Cu	B44066D5012J440	21,161
DR - CU - 5.67% Detuned Reactor	25	440	Reactor 25kVAr,5.67%,440V, 50Hz, 200%,Cu	B44066D5025J440	29,759
DR - CU - 5.67% Detuned Reactor	50	440	Reactor 50kVAr,5.67%,440V, 50Hz, 200%,Cu	B44066D5050J440	43,355
DR - CU - 5.67% Detuned Reactor	100	440	Reactor 100kVAr,5.67%,440V, 50Hz, 200%,Cu	B44066D5100J440	1,00,397
DR - CU - 7% Detuned Reactor	5	440	Reactor 5kVAr,7%,440V, 50Hz, 200%,Cu	B44066D7005F440	20,686
DR - CU - 7% Detuned Reactor	10	440	Reactor 10kVAr,7%,440V, 50Hz, 200%,Cu	B44066D7010F440	24,007
DR - CU - 7% Detuned Reactor	12.5	440	Reactor 12.5kVAr,7%,440V, 50Hz, 200%,Cu	B44066D7012F440	24,921
DR - CU - 7% Detuned Reactor	20	440	Reactor 20kVAr,7%,440V, 50Hz, 200%,Cu	B44066D7020F440	33,836
DR - CU - 7% Detuned Reactor	25	440	Reactor 25kVAr,7%,440V, 50Hz, 200%,Cu	B44066D7025F440	36,308
DR - CU - 7% Detuned Reactor	50	440	Reactor 50kVAr,7%,440V, 50Hz, 200%,Cu	B44066D7050F440	62,579
DR - CU - 7% Detuned Reactor	100	440	Reactor 100kVAr,7%,440V, 50Hz, 200%,Cu	B44066D7100F440	1,15,979
DR - CU - 14% Detuned Reactor	10	440	Reactor 10kVAr,14%,440V, 50Hz, 200%,Cu	B44066D1410F440	33,538
DR - CU - 14% Detuned Reactor	15	440	Reactor 15kVAr,14%,440V, 50Hz, 200%,Cu	B44066D1415F440	35,521
DR - CU - 14% Detuned Reactor	25	440	Reactor 25kVAr,14%,440V, 50Hz, 200%,Cu	B44066D1425F440	60,370
DR - CU - 14% Detuned Reactor	50	440	Reactor 50kVAr,14%,440V, 50Hz, 200%,Cu	B44066D1450F440	89,852

High VTHD Reactor (12% to 20%)		
	Series	High VTHD Reactor (12% to 20%) 
	Technical data	• Operating voltage 400 to 440 Vac • Ratings 12.5 to 100kVAr • Frequency 50 /60 Hz • Ambient operating temperature at nominal load -5 to +55°C • Integrated cooling - AN • ROHS compatible • CE marking
	Features	• High linearity upto 250% • Temperature control via micro-switch in inner coil • High lifetime by high quality materials • High overloading capability • Safety device, temperature micro switch • Aluminium foil winding • Low noise • Broad Frequency Range • Enhanced Harmonic Filtering • Robust Construction • Simple installation and commissioning

Type	Rating kVAr	Voltage V V(AC)	Description	Material Code	MRP List/ Pc in INR
Three Phase Detuned Filter Reactor HVTHD (Aluminium Wound)					
HFR - AL - 7% DETUNED	25	440	High THDV reactor 25kVAr, 7%, 440V,50Hz, Al Foil (12% VTHD)	B44066D7025E452	32,999
HFR - AL - 7% DETUNED	50	440	High THDV reactor 50kVAr, 7%, 440V,50Hz, Al Foil (12% VTHD)	B44066D7050E452	46,915
HFR - AL - 7% DETUNED	50	440	High THDV reactor 50kVAr, 7%, 440V,50Hz, Al Foil (16% VTHD)	B44066D7050E456	51,165
HFR - AL - 7% DETUNED	50	440	High THDV reactor 50kVAr, 7%, 440V,50Hz, Al Foil (20% VTHD)	B44066D7050E460	74,534

Terms & condition

1. Above Prices are MRP prices including all Taxes and Duties.

2. Prices are subject to change without prior notice

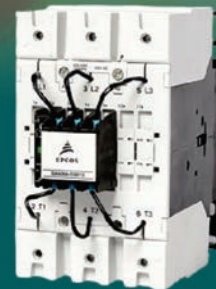
3. This Supersedes all previous price Lists

600V/690V Solutions

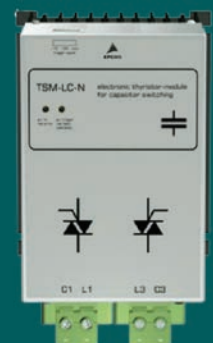


600V/ 690V Solution

800v “ISI
Marked”
Capacitors



690v TSM
or
690v CDC



690v 7%
Detuned
Reactor



Universal PF
Controllers
BR5600 R/T



One Stop Shop for all your PF Improvement Needs

Reach out to TDK Local Sales Representative for Prices

Product Change: Old Vs New

PhiCap ND Series Parts			Old Parts		New Parts	
Rating kVAr	Voltage V V(AC)	Description	Material Code	D x H mm	Material Code	D x H mm
1	440	PhiCap ND 440V 50Hz 1 kVAr 3Ph	B32344N4012A040	50 x 75	B32344N4012B040	50 x 75
1.2	440	PhiCap ND 440V50Hz 1.2 kVAr 3Ph	B32344N4012A240	50 x 75	B32344N4012B240	50 x 75
2	440	PhiCap ND 440V 50Hz 2 kVAr 3Ph	B32344N4022A040	50 x 112	B32344N4022B040	50 x 112
2.5	440	PhiCap ND 440V 50Hz 2.5 kVAr 3PH	B32344N4022A540	50 x 112	B32344N4022B540	50 x 112
3	440	PhiCap ND 440V 50Hz 3 kVAr 3Ph	B32344N4032A040	55 x 112	B32344N4032B040	55 x 112
4	440	PhiCap ND 440V 50Hz 4 kVAr 3Ph	B32344N4042A040	55 x 137	B32344N4042B040	55 x 137
5	440	PhiCap ND 440V 50Hz 5 kVAr 3Ph	B32344N4052A040	55 x 147	B32344N4052B040	55 x 147
7	440	PhiCap ND 440V 50Hz 7 kVAr 3Ph	B32344N4072A040	63 x 146	B32344N4072B040	63.5 x 146
7.5	440	PhiCap ND 440V 50Hz 7.5 kVAr 3Ph	B32344N4072A540	75 x 157	B32344N4072B540	75 x 157
8.3	440	PhiCap ND 440V 50Hz 8.3 KVAR 3Pn	B32344N4082A340	75 x 157	B32344N4082B340	75 x 157
10	440	PhiCap ND 440V 50Hz 10 kVAr 3Ph	B32344N4102A040	75 x 167	B32344N4102B040	75 x 167
12.5	440	PhiCap ND 440V 50Hz 12.5 kVAr 3Ph	B32344N4122A540	75 x 197	B32344N4122B540	75 x 197
15	440	PhiCap ND 440V 50Hz 15 kVAr 3Ph	B32344N4152A040	75 x 270	B32344N4152B040	85 x 197
20	440	PhiCap ND 440V 50Hz 20 kVAr 3Ph	B32344N4202A040	85 x 270	B32344N4202B040	75 x 272
25	440	PhiCap ND 440V 50Hz 25 kVAr 3Ph	B32344N4252A040	90 x 270	B32344N4252B040	85 x 272
30	440	PhiCap ND 440V 50Hz 30 kVAr 3Ph	B32344N4302A040	90 x 348	B32344N4302B040	90 x 272
Rating kVAr	Voltage V V(AC)	Description	Material Code	D x H mm	Material Code	D x H mm
5	480	PhiCap ND 480V 50Hz 5 kVAr 3Ph	B32344N4052A080	63 x 136	B32344N4052B080	63.5 x 136
5.5	480	PhiCap ND 480V 50Hz5.5 kVAr 3Ph	B32344N4052A580	63 x 136	B32344N4052B580	63.5 x 136
8.3	480	PhiCap ND 480V 50Hz 8.3 kVAr 3Ph	B32344N4082A380	75 x 167	B32344N4082B380	75 x 167
10.4	480	PhiCap ND 480V 50Hz 10.4 kVAr 3Ph	B32344N4102A480	75 x 197	B32344N4102B480	75 x 197
11.1	480	PhiCap ND 480V 50Hz 11.1 kVAr 3Ph	B32344N4112A180	75 x 197	B32344N4112B180	75 x 197
12.5	480	PhiCap ND 480V 50Hz 12.5 kVAr 3Ph	B32344N4122A580	75 x 197	B32344N4122B580	75 x 197
15	480	PhiCap ND 480V 50Hz 15 kVAr 3Ph	B32344N4152A080	75 x 270	B32344N4152B080	85 x 197
16.7	480	PhiCap ND 480V 50Hz 16.7 kVAr 3Ph	B32344N4162A780	75 x 270	B32344N4162B780	85 x 197
20.8	480	PhiCap ND 480V 50Hz 20.8 kVAr 3Ph	B32344N4202A880	85 x 270	B32344N4202B880	75 x 272
22.1	480	PhiCap ND 480V 50Hz 22.1 kVAr 3Ph	B32344N4222A180	85 x 348	B32344N4222B180	85 x 272
25	480	PhiCap ND 480V 50Hz 25 kVAr 3Ph	B32344N4252A080	85 x 348	B32344N4252B080	85 x 272
27.7	480	PhiCap ND 480V 50Hz 27.7 kVAr 3Ph	B32344N4272A780	90 x 348	B32344N4272B780	90 x 272
30	480	PhiCap ND 480V 50Hz 30 kVAr 3Ph	B32344N4302A080	90 x 348	B32344N4302B080	90 x 272
Rating kVAr	Voltage V V(AC)	Description	Material Code	D x H mm	Material Code	D x H mm
5	525	PhiCap ND 525V 50Hz 5 kVAr 3Ph	B32344N5052A025	63 x 146	B32344N5052B025	63.5 x 146
6.6	525	PhiCap ND 525V 50Hz 6.6 kVAr 3Ph	B32344N5062A625	75 x 157	B32344N5062B625	75 x 157
7.5	525	PhiCap ND 525V 50Hz 7.5 kVAr 3Ph	B32344N5072A525	75 x 167	B32344N5072B525	75 x 167
10.4	525	PhiCap ND 525V 50Hz 10.4 kVAr 3Ph	B32344N5102A425	75 x 197	B32344N5102B425	75 x 197
13.2	525	PhiCap ND 525V 50Hz 13.2 kVAr 3Ph	B32344N5132A225	85 x 270	B32344N5132B225	85 x 197
16.7	525	PhiCap ND 525V 50Hz 16.7 kVAr 3Ph	B32344N5162A725	85 x 270	B32344N5162B725	75 x 272
20.8	525	PhiCap ND 525V 50Hz 20.8 kVAr 3Ph	B32344N5202A825	90 x 270	B32344N5202B825	85 x 272
25	525	PhiCap ND 525V 50Hz 25 kVAr 3Ph	B32344N5252A025	90 x 348	B32344N5252B025	85 x 272

Product Change: Old Vs New

PhiCap HD Series Parts			Old Parts		New Parts	
Rating kVAr	Voltage V V(AC)	Description	Material Code	D x H mm	Material Code	D x H mm
1.0	440	PhiCap HD ROU 440V 50Hz 1kVAr 3Ph	B32447H4012A040	53 x 117	B32447H4012B040	50 x 75
2.0	440	PhiCap HD ROU 440V 50Hz 2kVAr 3Ph	B32447H4022A040	53 x 117	B32447H4022B040	50 x 112
3.0	440	PhiCap HD ROU 440V 50Hz 3kVAr 3Ph	B32447H4032A040	53 x 117	B32447H4032B040	55 x 112
4.0	440	PhiCap HD ROU 440V 50Hz 4kVAr 3Ph	B32447H4042A040	53 x 152	B32447H4042B040	55 x 137
5.0	440	PhiCap HD ROU 440V 50Hz 5kVAr 3Ph	B32447H4052A040	53 x 152	B32447H4052B040	55 x 147
6.0	440	PhiCap HD ROU 440V 50Hz 6kVAr 3Ph	B32447H4062A040	63 x 152	B32447H4062B040	63.5 x 136
7.5	440	PhiCap HD SIG 440V 50Hz 7.5kVAr 3Ph	B32448H4072A540	75 x 160	B32448H4072B540	75 x 162
8.3	440	PhiCap HD SIG 440V 50Hz 8.3kVAr 3Ph	B32448H4082A340	75 x 160	B32448H4082B340	75 x 162
10.0	440	PhiCap HD SIG 440V 50Hz 10kVAr 3Ph	B32448H4102A040	75 x 197	B32448H4102B040	75 x 197
12.5	440	PhiCap HD SIG 440V 50Hz 12.5kVAr 3Ph	B32448H4122A540	75 x 197	B32448H4122B540	75 x 197
15.0	440	PhiCap HD SIG 440V 50Hz 15kVAr 3Ph	B32448H4152A040	75 x 270	B32448H4152B040	85 x 197
20.0	440	PhiCap HD SIG 440V 50Hz 20kVAr 3Ph	B32448H4202A040	85 x 270	B32448H4202B040	75 x 272
25.0	440	PhiCap HD SIG 440V 50Hz 25kVAr 3Ph	B32448H4252A040	90 x 270	B32448H4252B040	85 x 272
30.0	440	PhiCap HD SIG 440V 50Hz 30kVAr 3Ph	B32448H4302A040	90 x 348	B32448H4302B040	90 x 272
Rating kVAr	Voltage V V(AC)	Description	Material Code	D x H mm	Material Code	D x H mm
5.0	480	PhiCap HD ROU 480V 50Hz 5kVAr 3Ph	B32447H4052A080	63 x 152	B32447H4052B080	63.5 x 136
5.5	480	PhiCap HD ROU 480V 50Hz 5.5kVAr 3Ph	B32447H4052A580	63 x 152	B32447H4052B580	63.5 x 136
6.3	480	PhiCap HD ROU 480V 50Hz 6.3kVAr 3Ph	B32447H4062A380	63 x 152	B32447H4062B380	63.5 x 146
8.3	480	PhiCap HD SIG 480V 50Hz 8.3kVAr 3Ph	B32448H4082A380	75 x 160	B32448H4082B380	75 x 162
10.4	480	PhiCap HD SIG 480V 50Hz 10.4kVAr 3Ph	B32448H4102A480	75 x 197	B32448H4102B480	75 x 197
11.1	480	PhiCap HD SIG 480V 50Hz 11.1kVAr 3Ph	B32448H4112A180	75 x 197	B32448H4112B180	75 x 197
12.5	480	PhiCap HD SIG 480V 50Hz 12.5kVAr 3Ph	B32448H4122A580	75 x 197	B32448H4122B580	75 x 197
13.8	480	PhiCap HD SIG 480V 50Hz 13.8kVAr 3Ph	B32448H4132A880	75 x 270	B32448H4132B880	85 x 197
15.0	480	PhiCap HD SIG 480V 50Hz 15kVAr 3Ph	B32448H4152A080	75 x 270	B32448H4152B080	85 x 197
16.7	480	PhiCap HD SIG 480V 50Hz 16.7kVAr 3Ph	B32448H4162A780	85 x 270	B32448H4162B780	85 x 197
18.7	480	PhiCap HD SIG 480V 50Hz 18.7kVAr 3Ph	B32448H4182A780	85 x 270	B32448H4182B780	75 x 272
20.0	480	PhiCap HD SIG 480V 50Hz 20kVAr 3Ph	B32448H4202A080	85 x 270	B32448H4202B080	75 x 272
22.0	480	PhiCap HD SIG 480V 50Hz 22kVAr 3Ph	B32448H4222A080	85 x 348	B32448H4222B080	85 x 272
25.0	480	PhiCap HD SIG 480V 50Hz 25kVAr 3Ph	B32448H4252A080	85 x 348	B32448H4252B080	85 x 272
27.7	480	PhiCap HD SIG 480V 50Hz 27.7kVAr 3Ph	B32448H4272A780	90 x 348	B32448H4272B780	90 x 272
28.1	480	PhiCap HD SIG 480V 50Hz 28.1kVAr 3Ph	B32448H4282A180	90 x 348	B32448H4282B180	90 x 272
30.0	480	PhiCap HD SIG 480V 50Hz 30kVAr 3Ph	B32448H4302A080	90 x 348	B32448H4302B080	90 x 272
Rating kVAr	Voltage V V(AC)	Description	Material Code	D x H mm	Material Code	D x H mm
5.0	525	PhiCap HD ROU 525V 50Hz 5kVAr 3Ph	B32447H5052A025	63 x 152	B32447H5052B025	63.5 x 146
6.3	525	PhiCap HD SIG 525V 50Hz 6.3kVAr 3Ph	B32448H5062A325	75 x 160	B32448H5062B325	75 x 162
6.6	525	PhiCap HD SIG 525V 50Hz 6.6kVAr 3Ph	B32448H5062A625	75 x 160	B32448H5062B625	75 x 162
8.3	525	PhiCap HD SIG 525V 50Hz 8.3kVAr 3Ph	B32448H5082A325	75 x 160	B32448H5082B325	75 x 162
10.4	525	PhiCap HD SIG 525V 50Hz 10.4kVAr 3Ph	B32448H5102A425	75 x 197	B32448H5102B425	75 x 197
12.5	525	PhiCap HD SIG 525V 50Hz 12.5kVAr 3Ph	B32448H5122A525	85 x 197	B32448H5122B525	85 x 197
13.2	525	PhiCap HD SIG 525V 50Hz 13.2kVAr 3Ph	B32448H5132A225	75 x 270	B32448H5132B225	85 x 197

Product Change: Old Vs New

PhiCap HD Series Parts			Old Parts		New Parts	
Rating kVAr	Voltage V V(AC)	Description	Material Code	D x H mm	Material Code	D x H mm
15.0	525	PhiCap HD SIG 525V 50Hz 15kVAr 3Ph	B32448H5152A025	85 x 270	B32448H5152B025	85 x 197
16.7	525	PhiCap HD SIG 525V 50Hz 16.7kVAr 3Ph	B32448H5162A725	85 x 270	B32448H5162B725	75 x 272
20.0	525	PhiCap HD SIG 525V 50Hz 20kVAr 3Ph	B32448H5202A025	90 x 270	B32448H5202B025	85 x 272
25.0	525	PhiCap HD SIG 525V 50Hz 25kVAr 3Ph	B32448H5252A025	90 x 348	B32448H5252B025	85 x 272
26.5	525	PhiCap HD SIG 525V 50Hz 26.5kVAr 3Ph	B32448H5262A525	90 x 348	B32448H5262B525	90 x 272
30.0	525	PhiCap HD SIG 525V 50Hz 30kVAr 3Ph	B32448H5302A025	116 x 280	B32448H5302B025	85 x 348
33.1	525	PhiCap HD SIG 525V 50Hz 33.1kVAr 3Ph	B32448H5332A125	116 x 280	B32448H5332B125	85 x 348
PhaseCap Energy Plus SHD Series Parts			Old Parts		New Parts	
Rating kVAr	Voltage V V(AC)	Description	Material Code	D x H mm	Material Code	D x H mm
1.0	440	PhaseCap Energy Plus SHD 440V 50/60Hz 1/1.2kVAr 3Ph	B25675L4012J040	50 x 75	B25675L4012B040	50 x 75
2.0	440	PhaseCap Energy Plus SHD 440V 50/60Hz 2/2.4kVAr 3Ph	B25675L4022J040	50 x 112	B25675L4022B040	50 x 112
3.0	440	PhaseCap Energy Plus SHD 440V 50/60Hz 3/3.6kVAr 3Ph	B25675L4032J040	55 x 112	B25675L4032B040	55 x 112
4.0	440	PhaseCap Energy Plus SHD 440V 50/60Hz 4/4.8kVAr 3Ph	B25675L4042J040	55 x 137	B25675L4042B040	55 x 137
5.0	440	PhaseCap Energy Plus SHD 440V 50/60Hz 5/6kVAr 3Ph	B25675L4061J040	55 x 147	B25675L4061B040	55 x 147

Cautions and Warnings:

Reactors – Antiresonance harmonic filter

During operation, all electrically active parts of this equipment such as windings, electronic components, leads, fuses and terminals carry a dangerous voltage which can lead to burns or electric shock.

Covers which protect these electrically active parts from being touched must not be opened or removed during operation.

Before any assembly or maintenance work is started, all installations and equipment must be disconnected from the power source.

Noncompliance with these instructions may lead to death, serious injury or major damage to equipment.

In order to exclude impermissible temperatures and thus overload of the insulation system, the following directions must additionally be observed:

1. Only those protective devices specified on the type plates, such as fuses and motor protection switches, may be used. It is mandatory to observe the set values specified for the motor protection switches. Any temperature-sensitive protective devices such as temperature switches and temperature sensors must be connected in accordance with the installation instructions.
2. High temperatures are permissible for the surfaces under rated operating conditions, and especially in the event of overload. Depending on the temperature class and type of loading, these may attain values of up to 260 °C and may also affect adjacent components which have been packed too densely
3. The insertion position should be selected so that any cooling ducts present within the winding are arranged vertically and that the current of cooling air is not impeded by adjacent components, connecting leads etc.

4. The maximum voltage of the insulating system specified on the type plate must not be exceeded.

Noncompliance with these instructions may lead to considerable damage to equipment or fire due to impermissibly high temperatures.

Thyristor modules (TSM-series)

- Live parts in the PFC equipment must not be touched!
- Warning signs in the PFC systems are required!
- Wait 10 minutes after the main switch is turned off until the voltage in the system has dropped to an uncritical value.
- In non-detuned systems (400 V grid) capacitors with a higher voltage rating (e.g. 440 V) are needed.
- In detuned systems (400 V grid) capacitors with a voltage of 525 V are needed.
- For discharging the capacitors, special high voltage resistors type EW-22 are required. Standard resistors cannot be used!
- In dynamic PFC systems discharge reactors cannot be used (this would be a short circuit of the high voltage DC)!
- In PFC systems without filter circuit reactors current limiting reactors are required (e.g. BD-series) for the TSM.
- For short circuit protection, superfast electronic fuses for protection of the thyristor are required, standard HRC fuses are not suitable. See selection table on pages 101 and 102.
- Failure to follow cautions may result, worst case, in premature failures or physical injury.

Capacitor contactors

In case auxiliary contacts are used for switching of discharge resistors (not in accordance with IEC 60831 standard), make sure that the current of the discharge resistors is not higher than the rated current of the auxiliary contacts.

Only flame-resistant and self extinguishing materials may be used in the proximity of capacitor contactors because abnormal temperatures cannot be ruled out in the area near the resistance spirals.

PF controllers (BR4200, BR6000, BR2100 and BR5600 all series)

Controller hunting: When putting the capacitor bank into operation, it is required to avoid needless switching cycles (means permanent switching on and off of steps without significant change of consumer loads). This so called “controller hunting” would increase the number of switching operations of the connected contactors and capacitors, decrease the expected life cycle (wear out) and result, in worst case, in bursting and fire etc. This can be avoided by a proper programming of the PF controllers with the actual system parameters (current transformer prim. and sec., first kVAr step, control series, switching time).

The “ZVEI General safety recommendations for power capacitors” must be observed in addition to the safety instructions given in this catalogue and in the particular data-sheets. They are available on the TDK website in the various product groups. They may also be called up from the ZVEI website.

Cautions and Warnings:

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.

Please visit our website www.epcos.com for more information on 'Applications, warnings, installation and maintenance instructions'

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) 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.

The world of electronic components,
modules and systems within a mouse click

www.tdk-electronics.tdk.com
product.tdk.com





TDK India Private Limited

Sales Head Office

2nd Floor, Tower-A, Logix Cyber Park,
C-28-29, Sector-62, Noida, 201 301, India

Email: TEG-ENA-IN-Sales@tdk.com



Learn more about our products for
Power Factor Correction

Regional Sales Offices:

Noida	Tel: +91-120-450 5801
Bengaluru	Tel: +91-80-4039 0600
Mumbai	Tel: +91-22-2575 0800
Pune	Tel: +91-20-6829 1262