

POLB HD 50Hz HEAVY DUTY CAPACITORS

2 ... 50 kvar

DESCRIPTION

Heavy Duty (HD series) capacitors are designed to offer long time expectancy and outstanding performance with its higher electrical characteristics. They are self-healing capacitors with low losses metallized polypropylene dielectric, filled in with inert gas N₂ mainly or with resin.

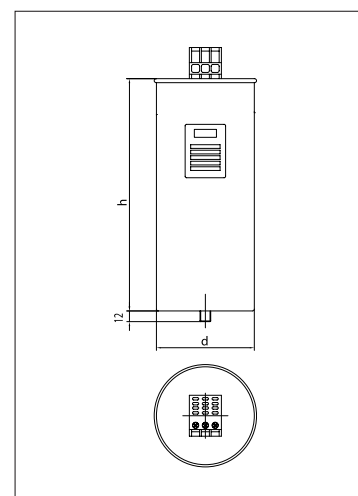
They have an overpressure disconnection system which provide a high level of safety against internal defects cutting the 3 phases. Capacitors in cylindrical aluminium cans, provided with a M12 stud for fixing and earthing. Connection is made by a terminal block with clamp type terminals.

The name plate includes a QR code associated to the individual test certificate and which offering us a product anticopy protection.



TECHNICAL CHARACTERISTICS

- Rated Voltage..... 230 ... 690V
- Frequency 50 Hz
- Dielectric Polypropylene
- Discharge resistors Fitted
- Dielectric losses ≤ 0.2 W/kvar
- Total losses..... ≤ 0.4 W/kvar
- Max. Overvoltage 1.1 U_n
- Max. Overcurrent..... 1.8 I_n
- Transient Overcurrent 400 I_n
- Isolation level 3/- kV rms
- Power tolerance..... - 5 / + 10 %
- Climatic range - 40/ D (+55°C)
- Life expectancy > 150.000 hours
- Terminal block..... Type A : 16 mm² ; 3 Nm max.; Pozidriv head screws
 Type B : 25 mm² ; 3 Nm max.; Pozidriv head screws
 Type C : 35 mm² ; 3.7 Nm max. Hex socket head screws
- Protection..... IP20
 IP54 with hood up to Ø116mm
- Standards..... IEC 60831, EN 60831, UL 810
 UL certification in progress



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Part number	U _n =230V 50 Hz						Capacitance (μF)	Dimensions dxh (mm)	Weight (Kg)	Terminal block
	230 V		220 V		240 V					
	Q _n (kvar)	I _n (A)	Q _n (kvar)	I _n (A)	Q _n (kvar)	I _n (A)				
POLB23025HD	2.5	6.3	2.3	6.0	2.7	6.5	3 x 50.1	85 x 175	0.9	A
POLB23050HD	5	12.6	4.6	12.0	5.4	13.1	3 x 100.3	85 x 175	1.2	A
POLB23075HD	7.5	18.8	6.9	18.0	8.2	19.6	3 x 150.4	85 x 245	1.7	A
POLB23100HD	10	25.1	9.1	24.0	11	26.2	3 x 200.6	100 x 245	2.0	A
POLB23125HD	12.5	31.4	11	30.0	14	32.7	3 x 250.7	100 x 245	3.3	A
POLB23150HD	15	37.7	14	36.0	16	39.3	3 x 300.9	116 x 245	3.3	B

Part number	U _n =440V 50 Hz						Capacitance (μF)	Dimensions dxh (mm)	Weight (Kg)	Terminal block
	440 V		400 V		415 V					
	Q _n (kvar)	I _n (A)	Q _n (kvar)	I _n (A)	Q _n (kvar)	I _n (A)				
POLB44075HD	7.5	9.8	6.2	8.9	6.7	9.3	3 x 41.1	85 x 175	0.9	A
POLB44100HD	10	13.1	8	11.9	9	12.4	3 x 54.8	85 x 245	1.0	A
POLB44125HD	12.5	16.4	10	14.9	11	15.5	3 x 68.5	85 x 245	1.2	A
POLB44150HD	15	19.7	12.5	17.9	13	18.6	3 x 82.2	85 x 245	1.3	A
POLB44182HD	18	23.6	15	21.5	16	22.3	3 x 98.7	100 x 245	1.9	A
POLB44200HD	20	26.2	16	23.9	18	24.8	3 x 109.6	100 x 245	1.9	A
POLB44250HD	25	32.8	20	29.8	22	30.9	3 x 137.0	100 x 245	2.1	A
POLB44300HD	30	39.4	25	35.8	27	37.1	3 x 164.4	116 x 245	3.3	B
POLB44364HD	36	47.2	30	43.0	32	44.6	3 x 197.3	136 x 220	3.3	B
POLB44400HD	40	52.5	33	47.7	36	49.5	3 x 219.2	136 x 220	4.0	B
POLB44500HD	50	65.6	40	59.6	44	61.9	3 x 274.0	136 x 355	5.5	C
POLB40500HD	-----	-----	50	72.2	-----	-----	3 x 331.6	136 x 355	5.5	C

Part number	U _n =460V 50 Hz						Capacitance (μF)	Dimensions dxh (mm)	Weight (Kg)	Terminal block
	460 V		400 V		440 V					
	Q _n (kvar)	I _n (A)	Q _n (kvar)	I _n (A)	Q _n (kvar)	I _n (A)				
POLB46025HD	2.5	3.1	1.9	2.7	2.3	3.0	3 x 12.5	85 x 175	0.9	A
POLB46050HD	5	6.3	3.8	5.5	4.6	6.0	3 x 25.1	85 x 175	0.9	A
POLB46075HD	7.5	9.4	5.7	8.2	6.9	9.0	3 x 37.6	85 x 175	1.1	A
POLB46100HD	10	12.6	7.6	10.9	9.1	12.0	3 x 50.1	85 x 245	1.1	A
POLB46125HD	12.5	15.7	9.5	13.6	11	15.0	3 x 62.7	85 x 245	1.2	A
POLB46150HD	15	18.8	11	16.4	14	18.0	3 x 75.2	85 x 245	1.4	A
POLB46200HD	20	25.1	15	21.8	18	24.0	3 x 100.3	100 x 245	1.9	A
POLB46250HD	25	31.4	19	27.3	23	30.0	3 x 125.4	116 x 245	2.1	B
POLB46300HD	30	37.7	23	32.7	27	36.0	3 x 150.4	136 x 220	3.0	B

Part number	U _n =525V 50 Hz						Capacitance (μF)	Dimensions dxh (mm)	Weight (Kg)	Terminal block
	525 V		480 V		550 V					
	Q _n (kvar)	I _n (A)	Q _n (kvar)	I _n (A)	Q _n (kvar)	I _n (A)				
POLB52050HD	5	5.5	4.2	5.0	5.5	5.8	3 x 19.2	85 x 175	0.8	A
POLB52075HD	7.5	8.2	6.3	7.5	8.2	8.6	3 x 28.9	85 x 175	0.9	A
POLB52100HD	10	11.0	8.4	10.1	11	11.5	3 x 38.5	85 x 245	1.0	A
POLB52125HD	12.5	13.7	10	12.6	14	14.4	3 x 48.1	85 x 245	1.1	A
POLB52150HD	15	16.5	13	15.1	17	17.3	3 x 57.7	85 x 245	1.3	A
POLB52200HD	20	22.0	17	20.1	22	23.0	3 x 77.0	100 x 245	1.9	A
POLB52250HD	25	27.5	21	25.1	28	28.6	3 x 96.2	116 x 245	2.1	B
POLB52300HD	30	33.0	25	30.2	33	34.6	3 x 115.5	116 x 245	3.3	B
POLB52400HD	40	44.0	33	40.2	44	46.1	3 x 154.0	136 x 261	4.0	C
POLB52500HD	50	55.0	42	50.3	55	57.6	3 x 192.5	136 x 355	5.5	C

Part number	U _n =690V 50 Hz						Capacitance (μF)	Dimensions dxh (mm)	Weight (Kg)	Terminal block
	690 V		600 V		660 V					
	Q _n (kvar)	I _n (A)	Q _n (kvar)	I _n (A)	Q _n (kvar)	I _n (A)				
POLB69050HD	5	4.2	3.8	3.6	4.6	4.0	3 x 11.1	85 x 175	0.8	A
POLB69062HD	6.25	5.2	4.7	4.5	5.7	5.0	3 x 13.9	85 x 175	0.9	A
POLB69100HD	10	8.4	7.6	7.3	9.1	8.0	3 x 22.3	85 x 245	1.0	A
POLB69125HD	12.5	10.5	9.5	9.1	11	10.0	3 x 27.9	85 x 245	1.2	A
POLB69150HD	15	12.6	11	10.9	14	12.0	3 x 33.4	85 x 245	1.3	A
POLB69200HD	20	16.7	15	14.6	18	16.0	3 x 44.6	100 x 245	1.9	A
POLB69250HD	25	20.9	19	18.2	23	20.0	3 x 55.7	116 x 245	2.1	B
POLB69300HD	30	25.1	23	21.8	27	24.0	3 x 66.9	136 x 220	3.3	B
POLB69400HD	40	33.5	30	29.1	37	32.0	3 x 89.1	136 x 355	4.0	C
POLB69500HD	50	41.8	38	36.4	46	40.0	3 x 111.4	136 x 355	5.5	C

Other power, voltages and frequencies on request.