

A comprehensive range

CLMD 43, 53, 63, 83

The CLMD capacitor unit is designed in such a way to give the highest level of reliability, safety, performance and power all in a robust and compact fashion.

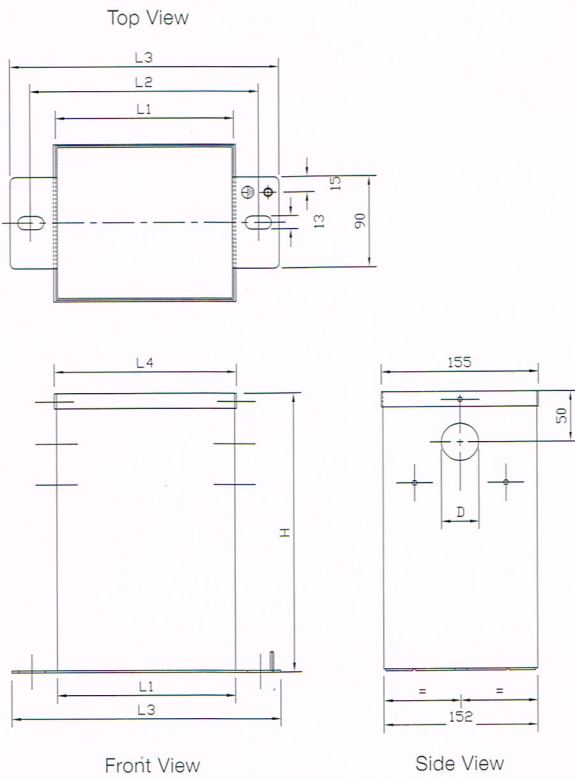


Technical specifications

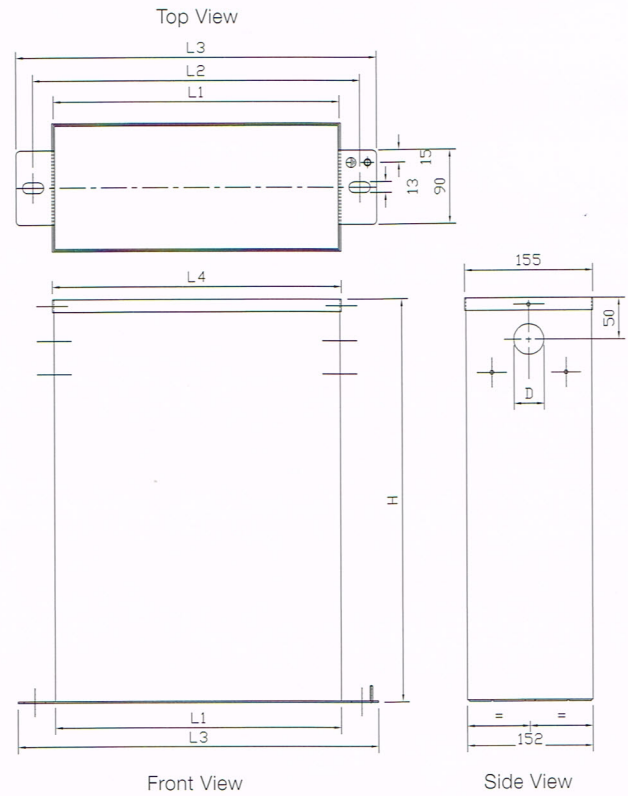
Standard	IEC 60831-1&2
Rated voltage	200 to 1000V
Connection	3-phase (single-phase on request)
Rated frequency	50 and 60 Hz
Type	Self-healing, dry
Dielectric	Polypropylene (metallized)
Execution	Indoor (outdoor on request)
Overvoltage	1.1 Un at intervals
Overcurrent	1.3 In
Maximum overload	1.35 times of nominal rating
Maximum inrush current	200 In
Safety protection	Internal fuse within each element
Tolerance on capacitance	-5/+10%
Temperature category	-25/D according to IEC 60831
Losses	Dielectric losses < 0.2 w/kvar Total < 0.5 w/kvar (discharge resistor included)
Degree of protection	IP42 (IP54 on request)
Voltage test	Between terminals 2.15 Un for 10 seconds Between terminals and earth 3kV for 10 seconds
Insulation level	3/15 kV
Discharge device	Internal discharge resistors
Discharge time	< 50V in 1 minute
Minimum distance between unit	50 mm
Minimum distance between unit and wall	50 mm
Earth terminal	M8 is included
Important notice	The installation of capacitors on networks disturbed by harmonic may require special precautions especially when there is a risk of resonance Our offer is valid under normal operating conditions only (according to IEC 60831) Minimum time to reconnect capacitors to the supply is 40 seconds Torque for terminal: M6 : 3Nm, M8: 6Nm, M10 : 10Nm, M12 : 15.5 Nm

Dimensions

CLMD 43



CLMD 53, 63 and 83



Type	H (mm)	L1 (mm)	L2 (mm)	L3 (mm)	L4 (mm)	D (mm)
CLMD 43	275	176	226	266	180	37
CLMD 53	310	346	396	436	350	37
CLMD 63	485	346	396	436	350	47
CLMD 83	670	346	396	436	350	47

Selection table

Type	Rating (kvar)	Rating (kvar)	Capacitance uF/O	In (Amp)	In (Amp)	Terminal	Weight (kg)
	230V			230V			
43	8		160	20.1		M6	4
	16		321	40.2		M6	5
53	24		481	60.2		M8	10
63	32		642	80.3		M10	12
	40		802	100.4		M10	14
	48		963	120.5		M10	15.5
	56		1123	140.6		M10	17
	64		1284	160.7		M10	18
	400V			400V			
		415V			415V		
43	5	5.5	33	7.2	7.7	M6	4.5
	10	11	66	14.4	15.3	M6	4.5
	15	16	99	21.7	22.3	M6	4.5
	20	22	133	28.9	30.6	M6	5.5
	25	27	166	36.1	37.6	M6	5.5
53	30	32	199	43.3	44.5	M8	8
	40	43	265	57.7	59.8	M8	10
	45	50	298	65.0	69.6	M8	12
63	50	54	332	72.2	75.1	M10	13.5
	60	65	398	86.6	90.4	M10	14.5
	70	75	464	101.0	104.3	M10	15.5
	75	80	497	108.3	111.3	M10	16
	80	86	531	115.5	119.6	M10	17
83	100	110	663	144.3	153.0	M12	21
	500V			500V			
		525V			525V		
43	9	10	38	10.4	11.0	M6	4
	18	20	76	20.8	22.0	M6	6.5
53	27	30	115	31.2	33.0	M8	8
	36	40	153	41.6	44.0	M8	12
63	45	50	191	52.0	55.0	M10	14
	54	60	229	62.4	66.0	M10	15
	63	70	267	72.7	77.0	M10	17
	72	80	306	83.1	88.0	M10	19
83	81	90	344	93.5	99.0	M12	21
	90	100	382	103.9	110.0	M12	22.5
	110	120	467	127.0	132.0	M12	24