

### Dimensional Information

Bild / Figure / Image 1

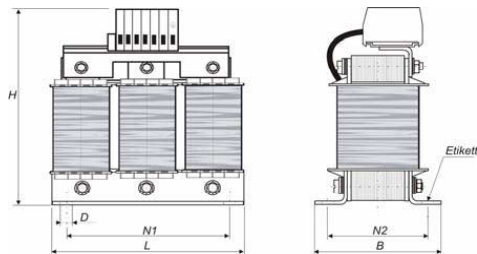
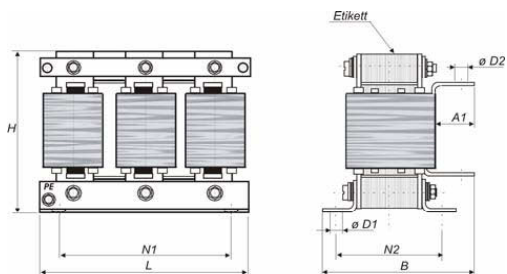
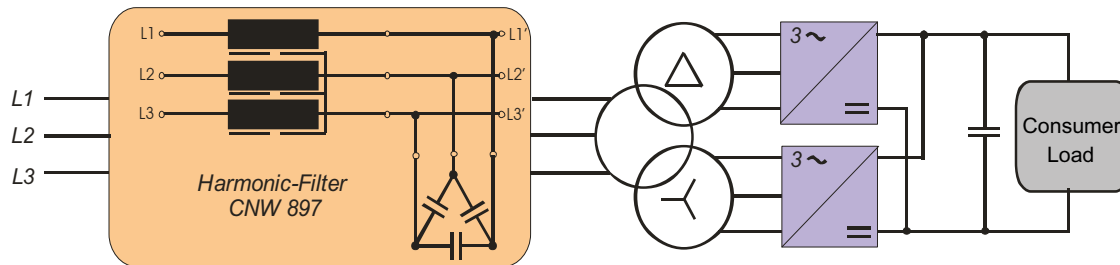


Bild / Figure / Image 2



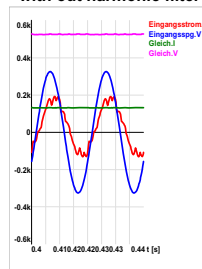
### Circuit Diagram



### Technical Data

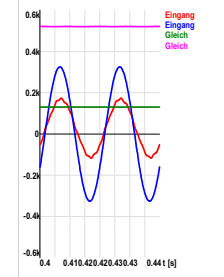
The phase shift between current and voltage and the distorted current curve are clearly visible in the diagram without harmonic filter

with out harmonic filter



THDI = 12,8%

with harmonic filter



THDI < 5%

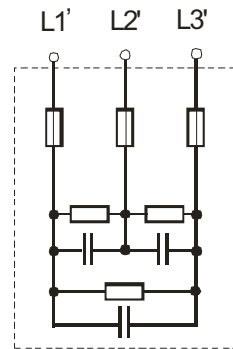
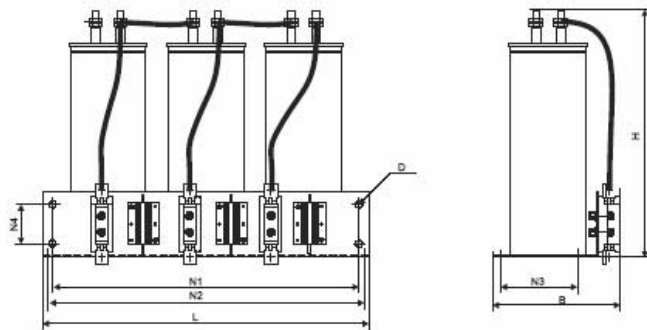
Type	Build Image	Connection Flat copper Terminal [mm <sup>2</sup> ]	L [mm]	B [mm]	H [mm]	N1 [mm]	N2 [mm]	∅D1 [mm]	A1 [mm]	∅D2 [mm]	Rated Voltage [V]	Rated Current [A]	Inductance of choke [mH]	Capacity of Capacitor Chassis 3 x [μF]	Rated Power [kVA]	Power Loss [W]	Copper [kg]	Weight Of Choke [kg]	Weight Of Capacitor Chassis [kg]
CNW 897/16/400V/5%	1	6	190	102	210	170	78	8x12	-	-	360 - 400V 50/60 Hz	16	5,0	40	11	100	4,0/...	11	5,5
CNW 897/25/400V/5%	1	6	240	107	275	185	85	10x18	-	-		25	4,5	40	20	170	9,6/...	25	7,0
CNW 897/40/400V/5%	1	16	240	127	285	185	105	10x18	-	-		40	2,9	68	33	230	15,3/...	35	8,0
CNW 897/70/400V/5%	1	35	300	122	345	224	94	10x18	-	-		70	1,65	120	58	250	18,4/...	46	12,0
CNW 897/90/400V/5%	2	25x3	300	222	270	224	165	10x18	51	9		90	1,1	180	75	260	1,3/5,6	45	17,0
CNW 897/120/400V/5%	2	30x3	360	215	290	264	145	10x18	51	11		120	0,9	220	100	275	1,1/8,4	64	17,0
CNW 897/150/400V/5%	2	30x3	360	235	290	264	165	10x18	51	11		150	0,82	220	125	350	1,4/8,8	79	17,0
CNW 897/180/400V/5%	2	30x3	360	209	311	264	167	10x18	51	11		200	0,54	330	166	390	1,5/8,8	80	17,5
CNW 897/250/400V/5%	2	30x4	420	215	370	316	164	13x20	53	11		250	0,45	440	207	460	2,1/17,8	97	25,5
CNW 897/310/400V/5%	2	30x4	480	250	390	356	165	13x20	53	11		310	0,36	550	260	480	2,1/18,4	122	29,0
CNW 897/400/400V/5%	2	40x5	480	310	400	356	236	13x20	69	13		400	0,30	660	333	930	3,1/13,3	140	40,0
CNW 897/600/400V/5%												600	0,20	990	499	1250	3,3/16,2	176	53,0

conforming to VDE 0570 / EN 61558	Test voltage L-PE 2500 V, DC 1s
Overload 1,5 x I <sub>Nenn</sub> 1 min / h	Climatic category DIN IEC 60068-1

Designed by M Gillam	Approved by S Hughes	Approved Date 11.04.08	File Name CNW 897 400V.AI	Issue Date 11.04.2008	Scale 1:1
<b>REO</b> REO UK LTD Units 2-4, Callow Hill Road Craven Arms, Shropshire SY7 8NT Tel: 01588 673411 Fax: 01588 672718 email: main@reo.co.uk www.reo.co.uk			Title EMC FILTER TECHNICAL INFORMATION		Drawing Number CNW 897/XX
					Sheet 1 of 2

### Dimensional Information of Chassis with Capacitors

Image 1



Capacitors are overload-protected  
Discharge resistors

Image 2

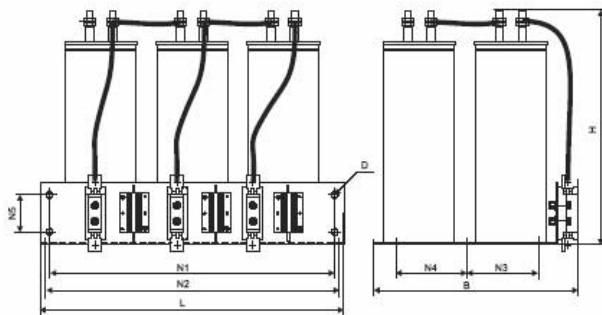
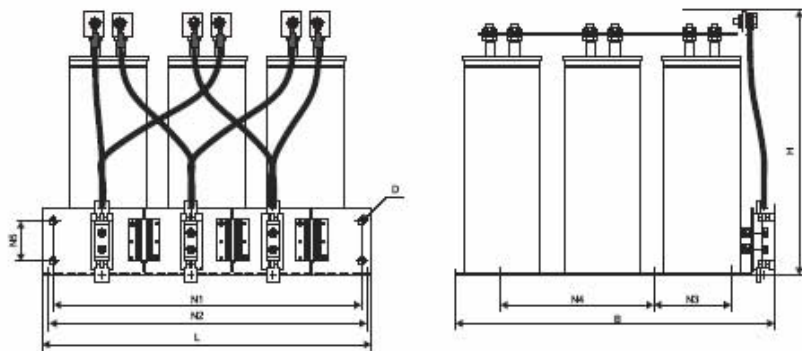


Image 3



Type	Build Image	L [mm]	B [mm]	H [mm]	N1 [mm]	N1 [mm]	N3 [mm]	N4 [mm]	N5 [mm]	∅D2 [mm]	Connection	Fuse
CNW 897/16/400V/5%	1	500	245	250	450	470	100	50		7	M8	NH00 16A
CNW 897/25/400V/5%	1	500	245	250				50	M8		NH00 35A	
CNW 897/40/400V/5%	1	500	245	250				50	M8		NH00 35A	
CNW 897/70/400V/5%	1	500	245	250				50	M8		NH00 63A	
CNW 897/90/400V/5%	1	500	245	320				50	M8		NH00 80A	
CNW 897/120/400V/5%	1	500	245	390				50	M8		NH00 125A	
CNW 897/150400V/5%	1	500	245	390				50	M8		NH00 125A	
CNW 897/180/400V/5%	1	500	395	390				50	M8		NH00 160A	
CNW 897/250/400V/5%	2	500	415	390				125	50		M10	NH1 200A
CNW 897/310/400V/5%	2	500	415	390				125	50		M10	NH1 250A
CNW 897/400/400V/5%	2	500	565	410				125	50		M10	NH1 355A
CNW 897/600/400V/5%	3	500	565	410				125	50		M10	NH1 355A

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			Drawing Number CNW 897/XX		