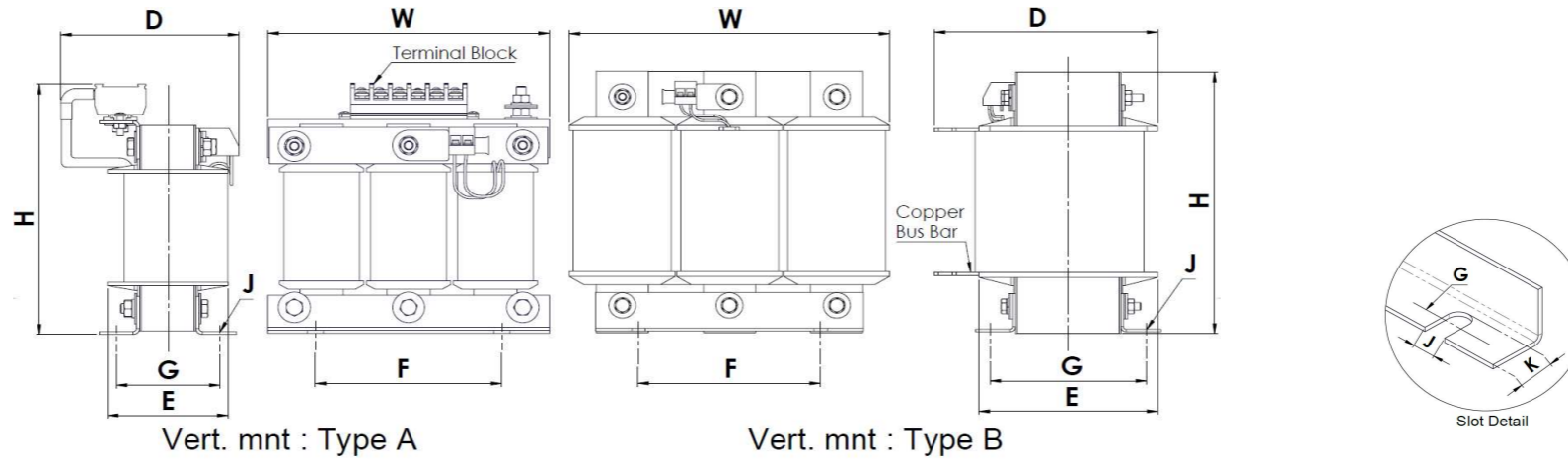
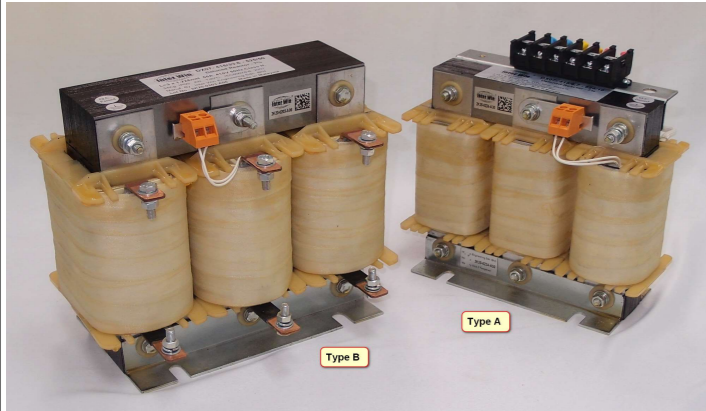


INTER WIN Detuned / Series Reactor for Power Capacitor

7% Detuned Reactor For : Power Capacitor 440V 50Hz
For System Voltage : 400V 50Hz
Date : 2022-10-26



	Power Capacitor 440V 50Hz	10kvar	15kvar	20kvar	25kvar	28.2kvar	30kvar	35kvar	40kvar	50kvar	56.4kvar	60kvar	75kvar	80kvar	100kvar	112.8kvar	120kvar	150kvar	160kvar
1	Matching capacitor, Cy, μ F	164	247	329	411	464	493	576	656	822	927	987	1233	1315	1644	1855	1973	2466	2631
2	Effective output, Nc, KVAR	8.9	13.3	17.8	22.2	25.1	26.7	31.1	35.5	44.4	50.1	53.3	67.0	71.1	88.9	100	107	133	142
3	P, %	7%																	
4	Inductance L, mH \pm 3%	4.31	2.88	2.16	1.73	1.53	1.44	1.23	1.08	0.863	0.765	0.719	0.575	0.539	0.431	0.382	0.356	0.288	0.270
5	Fundamental Current, I ₁ , A	12.8	19.2	25.7	32.1	36.2	38.5	44.9	51.3	64.1	72.3	77.0	96.0	103.0	128.0	145.0	154.0	192.0	205.0
6	I ₃ , A	4.8	7.3	9.7	12.1	13.6	14.5	16.9	19.3	24.2	27.3	29.0	36.3	38.7	48.4	54.6	58.0	72.5	77.4
7	I ₅ , A	4.8	7.2	9.5	11.9	13.5	14.3	16.7	19.1	23.9	26.9	28.6	35.8	38.2	47.7	53.8	57.3	71.6	76.3
8	I ₇ , A	1.7	2.6	3.4	4.3	4.8	5.2	6.0	6.9	8.6	9.7	10.3	12.9	13.7	17.2	19.4	20.6	25.8	27.5
9	I _{rms} , A	14.6	21.9	29.2	36.6	42.7	43.9	51.2	58.5	73.1	85.4	88.0	110.0	117.0	146.0	165.0	176.0	219.0	234.0
10	I _{lin} , A @ L _n -10% (saturation current)	22.4	33.7	44.9	56.1	63.3	67.3	78.4	90.0	112.0	127.0	135.0	168.0	180	225	253	269	337	359
11	Watt loss @ I ₁ , Watt, approx	68	80	101	128	128	123	154	164	187	190	209	213	227	267	293	317	321	337
12	Watt loss @ I _{rms} , Watt, approx	89	105	133	168	176	160	200	212	243	261	268	277	295	346	381	411	417	447
13	Temperature class	H, 180°C																	
14	Core Material	high permeability, low loss silicon steel																	
15	Core design	Multi-Gap core design,																	
16	Nos of gaps	4	4	4	5	5	5	5	5	6	6	6	6	6	6	7	7	7	7
17	Winding Material	Enamel insulated Alu wire	Fibre glass insulated Alu wire								Pure Alu Foil								
18	Layer Insulation Material	UL Class C certified																	
19	Terminal Connection	Terminal Block	Copper Bar																
20	Design Type	Type A	Type B	Type B															
21	Overall dimension, W width mm	210	210	210	240	240	240	240	240	240	240	240	310	310	310	310	310	310	310
22	Overall dimension, H, height mm	195	185	185	210	210	210	210	210	245	245	245	270	270	270	310	310	310	310
23	Overall dimension, D, depth mm estimate	109	134	140	141	147	148	157	164	163	173	173	176	179	198	198	202	216	226
24	Coil depth, E mm, approx	78	89	95	106	112	113	122	129	129	141	141	124	129	143	167	171	177	187
25	Mounting holes pitch, F, width mm	116	116	116	136	136	136	136	136	136	136	136	170	170	170	170	170	170	170
26	Mounting hole pitch, G, depth mm	68	79	85	90	96	97	106	113	113	125	125	120	125	139	147	151	157	167
27	Mounting hole, J mm	Ø10	Ø10	Ø10	Ø10	Ø10	Ø10	Ø10	Ø10	Ø10	Ø10	Ø10	Ø10	Ø10	Ø10	Ø10	Ø10	Ø10	Ø10
28	Mounting hole, K slot length mm	17	17	17	20	20	20	20	20	20	20	20	24	24	24	24	24	24	24
29	Weight, Kg (approx)	7.5	10	11.5	14	15.5	16	18	20	23	27	27	33	35	41	48	48	55	59
30	P/No :	DX07-400/9-440/010AM	DX07-400/13-440/015AM	DX07-400/18-440/020AM	DX07-400/22-440/025AM	DX07-400/25-440/028AM	DX07-400/27-440/030AM	DX07-400/31-440/035AM	DX07-400/36-440/040AM	DX07-400/44-440/050AM	DX07-400/50-440/056AM	DX07-400/53-440/060AM	DX07-400/67-440/075AM	DX07-400/71-440/080AM	DX07-400/89-440/100AM	DX07-400/100-440/113AM	DX07-400/107-440/120AM	DX07-400/133-440/150AM	DX07-400/142-440/160AM
31	Testing Report	In-house report on request during ordering																	
32	Application	For THDV up to 8%																	

* Individual harmonics current is for reference only. It must be referred to the individual harmonics voltage.

* Due to 5% manufacturing tolerance, Above dimensions and details may subject to 5 - 10% errors.