

Current Harmonics IEC61000-3-12 : 2005
KACO buleplanet 750 TL3 M1 IS OD DEX0



Test Conditions

Power (per phase) P = 250.00kW

Item	Value	Result	Item	Value	Result	Item	Value	Result
THD	1.17%	PASS	THD	1.14%	PASS	THD	1.20%	PASS
PWHD	1.46%	PASS	PWHD	1.94%	PASS	PWHD	1.85%	PASS

Harmonic Order	Harmonic current test results						limit of harmonics according to EN 61000-3-12:2005 table 3 - symmetric three phase		Evaluation			Result (Pass / Fail)
	av. Current In [A]			Measurement (%)			av. Current In [A]	Measurement (%)	test result in % from the limit (margin)			
	Phase 1	Phase 2	Phase 3	Phase 1	Phase 2	Phase 3			Phase 1	Phase 2	Phase 3	
1	1136.51	1166.67	1151.78	100.00%	100.00%	100.00%	-	-	-	-	-	
2	7.5471	4.2794	8.4500	0.66%	0.37%	0.73%	92.132	8.0%	8.19%	4.64%	9.17%	P
3	3.9988	3.8096	3.7428	0.35%	0.33%	0.32%	57.583	5.0%	6.94%	6.62%	6.50%	P
4	6.4267	7.9877	4.2274	0.57%	0.68%	0.37%	46.066	4.0%	13.95%	17.34%	9.18%	P
5	5.7336	6.0883	6.7519	0.50%	0.52%	0.59%	123.227	10.7%	4.65%	4.94%	5.48%	P
6	0.6442	1.1186	1.3536	0.06%	0.10%	0.12%	31.095	2.7%	2.07%	3.60%	4.35%	P
7	2.7268	3.3238	2.7690	0.24%	0.28%	0.24%	82.919	7.2%	3.29%	4.01%	3.34%	P
8	0.9256	0.6089	0.6804	0.08%	0.05%	0.06%	23.033	2.0%	4.02%	2.64%	2.95%	P
9	0.3616	0.3222	0.3374	0.03%	0.03%	0.03%	57.583	5.0%	0.63%	0.56%	0.59%	P
10	1.0176	0.9884	1.0942	0.09%	0.08%	0.09%	18.426	1.6%	5.52%	5.36%	5.94%	P
11	0.8851	0.8893	0.9523	0.08%	0.08%	0.08%	35.701	3.1%	2.48%	2.49%	2.67%	P
12	1.2533	1.3142	1.4735	0.11%	0.11%	0.13%	14.972	1.3%	8.37%	8.78%	9.84%	P
13	1.3990	0.6905	1.5361	0.12%	0.06%	0.13%	23.033	2.0%	6.07%	3.00%	6.67%	P
14	0.4321	0.5415	0.4784	0.04%	0.05%	0.04%	12.668	1.1%	3.41%	4.27%	3.78%	P
15	0.4197	0.4753	0.5902	0.04%	0.04%	0.05%	11.517	1.0%	3.64%	4.13%	5.12%	P
16	1.1617	0.9785	1.0373	0.10%	0.08%	0.09%	11.517	1.0%	10.09%	8.50%	9.01%	P
17	1.8205	0.8444	1.4284	0.16%	0.07%	0.12%	11.517	1.0%	15.81%	7.33%	12.40%	P
18	2.2227	1.4199	2.9784	0.20%	0.12%	0.26%	11.517	1.0%	19.30%	12.33%	25.86%	P
19	1.1659	3.6658	2.9269	0.10%	0.31%	0.25%	11.517	1.0%	10.12%	31.83%	25.41%	P
20	1.6658	2.7505	1.5398	0.15%	0.24%	0.13%	11.517	1.0%	14.46%	23.88%	13.37%	P
21	0.2927	0.5424	0.3389	0.03%	0.05%	0.03%	11.517	1.0%	2.54%	4.71%	2.94%	P
22	0.5350	0.8239	0.6655	0.05%	0.07%	0.06%	11.517	1.0%	4.65%	7.15%	5.78%	P
23	0.3656	0.3095	0.2966	0.03%	0.03%	0.03%	11.517	1.0%	3.17%	2.69%	2.58%	P
24	0.1102	0.1616	0.1225	0.01%	0.01%	0.01%	11.517	1.0%	0.96%	1.40%	1.06%	P
25	0.1679	0.2333	0.2078	0.01%	0.02%	0.02%	11.517	1.0%	1.46%	2.03%	1.80%	P
26	0.1501	0.1541	0.1406	0.01%	0.01%	0.01%	11.517	1.0%	1.30%	1.34%	1.22%	P
27	0.0380	0.0729	0.0721	0.00%	0.01%	0.01%	11.517	1.0%	0.33%	0.63%	0.63%	P
28	0.1450	0.1601	0.1405	0.01%	0.01%	0.01%	11.517	1.0%	1.26%	1.39%	1.22%	P
29	0.0568	0.0640	0.0377	0.00%	0.01%	0.00%	11.517	1.0%	0.49%	0.56%	0.33%	P
30	0.1064	0.1202	0.1021	0.01%	0.01%	0.01%	11.517	1.0%	0.92%	1.04%	0.89%	P
31	0.0253	0.0358	0.0230	0.00%	0.00%	0.00%	11.517	1.0%	0.22%	0.31%	0.20%	P
32	0.0269	0.0289	0.0286	0.00%	0.00%	0.00%	11.517	1.0%	0.23%	0.25%	0.25%	P
33	0.0418	0.0368	0.0252	0.00%	0.00%	0.00%	11.517	1.0%	0.36%	0.32%	0.22%	P
34	0.1299	0.1461	0.1242	0.01%	0.01%	0.01%	11.517	1.0%	1.13%	1.27%	1.08%	P
35	0.0308	0.0310	0.0177	0.00%	0.00%	0.00%	11.517	1.0%	0.27%	0.27%	0.15%	P
36	0.1868	0.1976	0.1803	0.02%	0.02%	0.02%	11.517	1.0%	1.62%	1.72%	1.57%	P
37	0.0212	0.0266	0.0242	0.00%	0.00%	0.00%	11.517	1.0%	0.18%	0.23%	0.21%	P
38	0.0234	0.0301	0.0217	0.00%	0.00%	0.00%	11.517	1.0%	0.20%	0.26%	0.19%	P
39	0.0245	0.0300	0.0276	0.00%	0.00%	0.00%	11.517	1.0%	0.21%	0.26%	0.24%	P
40	0.3334	0.3704	0.3311	0.03%	0.03%	0.03%	11.517	1.0%	2.90%	3.22%	2.88%	P
41	0.0377	0.0493	0.0346	0.00%	0.00%	0.00%	11.517	1.0%	0.33%	0.43%	0.30%	P
42	0.2829	0.2970	0.2689	0.02%	0.03%	0.02%	11.517	1.0%	2.46%	2.58%	2.33%	P
43	0.0488	0.0287	0.0411	0.00%	0.00%	0.00%	11.517	1.0%	0.42%	0.25%	0.36%	P
44	0.0244	0.0233	0.0249	0.00%	0.00%	0.00%	11.517	1.0%	0.21%	0.20%	0.22%	P
45	0.0905	0.1097	0.0798	0.01%	0.01%	0.01%	11.517	1.0%	0.79%	0.95%	0.69%	P
46	2.1262	2.3787	2.1377	0.19%	0.20%	0.19%	11.517	1.0%	18.46%	20.65%	18.56%	P
47	0.0290	0.0342	0.0317	0.00%	0.00%	0.00%	11.517	1.0%	0.25%	0.30%	0.28%	P
48	2.7426	3.0937	2.7355	0.24%	0.27%	0.24%	11.517	1.0%	23.81%	26.86%	23.75%	P
49	0.3452	0.3565	0.3261	0.03%	0.03%	0.03%	11.517	1.0%	3.00%	3.10%	2.83%	P
50	0.0269	0.0616	0.0148	0.00%	0.01%	0.00%	11.517	1.0%	0.23%	0.53%	0.13%	P