

Harmonic emissions

The following harmonic data is from page 144 of the 75-136K-Greece or Ireland report, and the actual data is based on the report.

Nr./Order	Current Magnitude (A) at 33% rated output power			% of Fundamental			Phase	Limit (%)
	Phase A	Phase B	Phase C	Phase A	Phase B	Phase C		
2	0.023	0.031	0.026	0.016	0.021	0.018	Three phase	8.00
3	0.045	0.068	0.041	0.031	0.047	0.029	Three phase	--
4	0.010	0.013	0.016	0.007	0.009	0.011	Three phase	4.00
5	0.433	0.420	0.469	0.298	0.290	0.323	Three phase	10.70
6	0.016	0.014	0.025	0.011	0.010	0.017	Three phase	2.70
7	0.332	0.401	0.408	0.229	0.277	0.282	Three phase	7.20
8	0.010	0.017	0.010	0.007	0.012	0.007	Three phase	2.00
9	0.035	0.074	0.040	0.024	0.051	0.028	Three phase	--
10	0.005	0.006	0.006	0.004	0.004	0.004	Three phase	1.60
11	0.233	0.258	0.235	0.161	0.178	0.162	Three phase	3.10
12	0.017	0.013	0.023	0.012	0.009	0.016	Three phase	1.30
13	0.180	0.228	0.188	0.124	0.157	0.130	Three phase	2.00
14	0.005	0.013	0.015	0.004	0.009	0.011	Three phase	--
15	0.046	0.063	0.029	0.032	0.043	0.020	Three phase	--
16	0.011	0.006	0.012	0.007	0.004	0.008	Three phase	--
17	0.185	0.237	0.217	0.128	0.164	0.150	Three phase	--
18	0.012	0.010	0.020	0.008	0.007	0.014	Three phase	--
19	0.182	0.219	0.188	0.126	0.151	0.130	Three phase	--
20	0.007	0.007	0.010	0.005	0.005	0.007	Three phase	--
21	0.028	0.045	0.020	0.019	0.031	0.014	Three phase	--
22	0.005	0.006	0.005	0.003	0.004	0.004	Three phase	--
23	0.072	0.106	0.092	0.050	0.073	0.064	Three phase	--
24	0.007	0.006	0.011	0.005	0.004	0.007	Three phase	--
25	0.040	0.049	0.045	0.028	0.033	0.031	Three phase	--
26	0.006	0.006	0.009	0.004	0.004	0.006	Three phase	--
27	0.015	0.016	0.017	0.011	0.011	0.012	Three phase	--
28	0.008	0.004	0.010	0.006	0.003	0.007	Three phase	--
29	0.112	0.126	0.120	0.078	0.087	0.083	Three phase	--
30	0.007	0.006	0.011	0.005	0.004	0.008	Three phase	--
31	0.139	0.141	0.133	0.096	0.097	0.092	Three phase	--
32	0.004	0.004	0.004	0.003	0.002	0.003	Three phase	--
33	0.021	0.016	0.014	0.014	0.011	0.010	Three phase	--
34	0.004	0.004	0.004	0.003	0.003	0.003	Three phase	--
35	0.112	0.123	0.111	0.077	0.085	0.076	Three phase	--
36	0.003	0.004	0.005	0.002	0.003	0.003	Three phase	--
37	0.063	0.076	0.077	0.044	0.052	0.053	Three phase	--
38	0.005	0.003	0.005	0.003	0.002	0.004	Three phase	--
39	0.015	0.016	0.023	0.010	0.011	0.016	Three phase	--
40	0.005	0.005	0.008	0.003	0.004	0.005	Three phase	--
41	0.062	0.059	0.068	0.043	0.041	0.047	Three phase	--
42	0.004	0.004	0.005	0.003	0.003	0.004	Three phase	--
43	0.100	0.094	0.090	0.069	0.065	0.062	Three phase	--



Nr./Order	Current Magnitude (A) at 33% rated output power			% of Fundamental			Phase	Limit (%)
	Phase A	Phase B	Phase C	Phase A	Phase B	Phase C		
44	0.004	0.003	0.005	0.003	0.002	0.003	Three phase	--
45	0.017	0.020	0.012	0.011	0.014	0.008	Three phase	--
46	0.003	0.004	0.004	0.002	0.003	0.003	Three phase	--
47	0.123	0.136	0.136	0.085	0.094	0.094	Three phase	--
48	0.004	0.003	0.003	0.003	0.002	0.002	Three phase	--
49	0.119	0.119	0.107	0.082	0.082	0.074	Three phase	--
50	0.004	0.004	0.004	0.002	0.003	0.003	Three phase	--
THD (%)	--	--	--	0.311	0.365	0.328	--	13.000
PWHD (%)	--	--	--	1.318	1.383	1.326	--	22.000
Nr./Order	Current Magnitude (A) at 66% rated output power			% of Fundamental			Phase	Limit (%)
	Phase A	Phase B	Phase C	Phase A	Phase B	Phase C		
2	0.046	0.061	0.049	0.032	0.042	0.033	Three phase	8.00
3	0.186	0.278	0.116	0.128	0.192	0.080	Three phase	--
4	0.017	0.017	0.031	0.012	0.012	0.021	Three phase	4.00
5	0.706	0.691	0.651	0.487	0.477	0.449	Three phase	10.70
6	0.018	0.017	0.030	0.012	0.012	0.021	Three phase	2.70
7	0.478	0.699	0.644	0.330	0.482	0.444	Three phase	7.20
8	0.026	0.021	0.010	0.018	0.015	0.007	Three phase	2.00
9	0.164	0.269	0.109	0.113	0.186	0.075	Three phase	--
10	0.008	0.022	0.025	0.006	0.015	0.017	Three phase	1.60
11	0.400	0.546	0.363	0.276	0.377	0.250	Three phase	3.10
12	0.023	0.023	0.024	0.016	0.016	0.016	Three phase	1.30
13	0.356	0.433	0.271	0.246	0.299	0.187	Three phase	2.00
14	0.014	0.028	0.028	0.010	0.020	0.020	Three phase	--
15	0.112	0.180	0.086	0.078	0.124	0.059	Three phase	--
16	0.023	0.016	0.022	0.016	0.011	0.015	Three phase	--
17	0.251	0.374	0.289	0.173	0.258	0.199	Three phase	--
18	0.024	0.013	0.033	0.016	0.009	0.023	Three phase	--
19	0.310	0.375	0.267	0.214	0.259	0.184	Three phase	--
20	0.013	0.011	0.019	0.009	0.007	0.013	Three phase	--
21	0.100	0.150	0.058	0.069	0.104	0.040	Three phase	--
22	0.008	0.010	0.011	0.005	0.007	0.007	Three phase	--
23	0.185	0.335	0.298	0.128	0.231	0.206	Three phase	--
24	0.009	0.010	0.014	0.007	0.007	0.010	Three phase	--
25	0.244	0.221	0.189	0.168	0.153	0.130	Three phase	--
26	0.016	0.011	0.019	0.011	0.008	0.013	Three phase	--
27	0.026	0.046	0.052	0.018	0.032	0.036	Three phase	--
28	0.013	0.011	0.018	0.009	0.008	0.012	Three phase	--
29	0.043	0.065	0.058	0.029	0.045	0.040	Three phase	--
30	0.011	0.006	0.013	0.007	0.004	0.009	Three phase	--
31	0.056	0.063	0.039	0.039	0.043	0.027	Three phase	--
32	0.007	0.007	0.012	0.005	0.005	0.008	Three phase	--
33	0.047	0.037	0.021	0.032	0.025	0.014	Three phase	--
34	0.010	0.007	0.015	0.007	0.005	0.010	Three phase	--
35	0.137	0.173	0.170	0.094	0.119	0.117	Three phase	--
36	0.009	0.008	0.011	0.006	0.005	0.008	Three phase	--
37	0.191	0.183	0.177	0.132	0.126	0.122	Three phase	--
38	0.007	0.005	0.007	0.005	0.004	0.005	Three phase	--
39	0.031	0.024	0.020	0.022	0.016	0.014	Three phase	--



40	0.005	0.008	0.008	0.003	0.006	0.006	Three phase	--
41	0.179	0.203	0.183	0.123	0.140	0.127	Three phase	--
42	0.009	0.007	0.008	0.006	0.005	0.006	Three phase	--
43	0.156	0.162	0.139	0.108	0.112	0.096	Three phase	--
44	0.008	0.009	0.012	0.005	0.006	0.008	Three phase	--
45	0.019	0.020	0.026	0.013	0.013	0.018	Three phase	--
46	0.009	0.009	0.013	0.006	0.006	0.009	Three phase	--
47	0.100	0.099	0.090	0.069	0.068	0.062	Three phase	--
48	0.007	0.006	0.009	0.005	0.004	0.006	Three phase	--
49	0.066	0.065	0.077	0.046	0.045	0.053	Three phase	--
50	0.005	0.005	0.007	0.004	0.004	0.005	Three phase	--
THD (%)	--	--	--	0.507	0.634	0.490	--	13.000
PWHD (%)	--	--	--	1.809	1.878	1.732	--	22.000
Nr./Order	Current Magnitude (A) at 100% rated output power			% of Fundamental			Phase	Limit
	Phase A	Phase B	Phase C	Phase A	Phase B	Phase C	-	(%)
2	0.094	0.108	0.089	0.065	0.074	0.062	Three phase	8.00
3	0.319	0.535	0.278	0.220	0.369	0.192	Three phase	--
4	0.049	0.021	0.039	0.034	0.015	0.027	Three phase	4.00
5	0.917	0.847	0.767	0.632	0.584	0.529	Three phase	10.70
6	0.024	0.017	0.032	0.016	0.012	0.022	Three phase	2.70
7	0.528	0.915	0.717	0.364	0.631	0.495	Three phase	7.20
8	0.032	0.022	0.021	0.022	0.015	0.015	Three phase	2.00
9	0.321	0.472	0.158	0.221	0.325	0.109	Three phase	--
10	0.009	0.029	0.028	0.006	0.020	0.019	Three phase	1.60
11	0.506	0.848	0.558	0.349	0.585	0.385	Three phase	3.10
12	0.016	0.023	0.015	0.011	0.016	0.010	Three phase	1.30
13	0.619	0.629	0.402	0.427	0.434	0.277	Three phase	2.00
14	0.049	0.048	0.050	0.034	0.033	0.035	Three phase	--
15	0.074	0.273	0.210	0.051	0.189	0.145	Three phase	--
16	0.057	0.042	0.053	0.039	0.029	0.036	Three phase	--
17	0.205	0.333	0.167	0.142	0.229	0.115	Three phase	--
18	0.029	0.010	0.031	0.020	0.007	0.022	Three phase	--
19	0.269	0.285	0.072	0.185	0.197	0.049	Three phase	--
20	0.022	0.037	0.028	0.015	0.025	0.019	Three phase	--
21	0.145	0.176	0.092	0.100	0.121	0.063	Three phase	--
22	0.036	0.016	0.035	0.025	0.011	0.024	Three phase	--
23	0.186	0.297	0.259	0.128	0.205	0.179	Three phase	--
24	0.029	0.013	0.022	0.020	0.009	0.015	Three phase	--
25	0.256	0.287	0.225	0.176	0.198	0.155	Three phase	--
26	0.011	0.016	0.023	0.008	0.011	0.016	Three phase	--
27	0.044	0.089	0.052	0.031	0.061	0.036	Three phase	--
28	0.010	0.011	0.013	0.007	0.007	0.009	Three phase	--
29	0.184	0.282	0.232	0.127	0.195	0.160	Three phase	--
30	0.007	0.006	0.008	0.005	0.004	0.005	Three phase	--
31	0.240	0.224	0.224	0.165	0.154	0.155	Three phase	--
32	0.018	0.019	0.020	0.012	0.013	0.014	Three phase	--
33	0.034	0.044	0.027	0.023	0.030	0.019	Three phase	--
34	0.016	0.016	0.019	0.011	0.011	0.013	Three phase	--
35	0.158	0.205	0.141	0.109	0.141	0.097	Three phase	--
36	0.012	0.009	0.008	0.009	0.006	0.006	Three phase	--
37	0.133	0.146	0.122	0.092	0.100	0.084	Three phase	--
38	0.019	0.019	0.013	0.013	0.013	0.009	Three phase	--



39	0.030	0.035	0.028	0.020	0.024	0.020	Three phase	--
40	0.012	0.015	0.016	0.008	0.010	0.011	Three phase	--
41	0.089	0.102	0.066	0.062	0.071	0.046	Three phase	--
42	0.006	0.007	0.008	0.004	0.005	0.006	Three phase	--
43	0.046	0.070	0.065	0.032	0.049	0.045	Three phase	--
44	0.013	0.011	0.013	0.009	0.008	0.009	Three phase	--
45	0.033	0.043	0.034	0.023	0.029	0.023	Three phase	--
46	0.009	0.010	0.014	0.006	0.007	0.009	Three phase	--
47	0.086	0.090	0.074	0.059	0.062	0.051	Three phase	--
48	0.006	0.007	0.009	0.004	0.005	0.006	Three phase	--
49	0.097	0.089	0.110	0.067	0.061	0.076	Three phase	--
50	0.010	0.007	0.011	0.007	0.005	0.008	Three phase	--
THD (%)	--	--	--	0.617	0.726	0.510	--	13.000
PWHD (%)	--	--	--	1.878	2.189	1.843	--	22.000

