

Current harmonics according to EN 61000-3-12

Test Conditions
Power
(per phase)
P = 116.66 kW

Item	Value	Result	Item	Value	Result	Item	Value	Result
THD	1.48%	PASS	THD	1.49%	PASS	THD	1.42%	PASS
PWHD	2.42%	PASS	PWHD	2.20%	PASS	PWHD	1.69%	PASS
THDv		OK	THDv		OK	THDv		OK

Harmonic Order	Limit	Phase 1			Phase 2			Phase 3		
		av. Current [A]	Limit	Margin to Limit	av. Current [A]	Limit	Margin to Limit	av. Current [A]	Limit	Margin to Limit
		61000-3-12 Tabelle 3	61000-3-12 Frame: 2.5min		61000-3-12 Bal. 3ph [A]	61000-3-12 Frame: 2.5min		61000-3-12 Bal. 3ph [A]	61000-3-12 Frame: 2.5min	
1		771.88	-	-	791.23	-	-	808.01	-	-
2	8.00%	7.03	61.75	88.6%	5.29	63.30	91.6%	5.52	64.64	91.5%
3	-	1.08	-	-	5.46	-	-	5.27	-	-
4	4.00%	3.09	30.88	90.0%	2.57	31.65	91.9%	2.77	32.32	91.4%
5	10.70%	4.10	82.59	95.0%	5.04	84.66	94.0%	4.31	86.46	95.0%
6	2.67%	0.38	20.61	98.1%	0.62	21.13	97.1%	0.53	21.57	97.5%
7	7.20%	5.71	55.58	89.7%	5.44	56.97	90.4%	5.68	58.18	90.2%
8	2.00%	0.25	15.44	98.4%	0.37	15.82	97.6%	0.24	16.16	98.5%
9	-	0.31	-	-	0.36	-	-	0.45	-	-
10	1.60%	0.43	12.35	96.5%	0.53	12.66	95.8%	0.46	12.93	96.5%
11	3.10%	0.83	23.93	96.6%	0.76	24.53	96.9%	0.76	25.05	97.0%
12	1.33%	0.28	10.27	97.3%	0.24	10.52	97.7%	0.19	10.75	98.2%
13	2.00%	1.45	15.44	90.6%	1.73	15.82	89.1%	1.99	16.16	87.7%
14	1.14%	0.48	8.80	94.6%	0.37	9.02	95.9%	0.51	9.21	94.4%
15	-	1.34	-	-	1.25	-	-	1.12	-	-
16	1.00%	0.45	7.72	94.2%	0.53	7.91	93.3%	0.49	8.08	93.9%
17	-	2.19	-	-	1.84	-	-	1.68	-	-
18	0.89%	0.16	6.87	97.7%	0.20	7.04	97.2%	0.17	7.19	97.6%
19	-	2.02	-	-	1.57	-	-	1.74	-	-
20	0.80%	0.21	6.18	96.7%	0.22	6.33	96.5%	0.21	6.46	96.7%
21	-	0.63	-	-	0.53	-	-	0.35	-	-
22	0.73%	0.33	5.63	94.1%	0.47	5.78	91.8%	0.40	5.90	93.3%
23	-	2.19	-	-	2.11	-	-	0.65	-	-
24	0.67%	0.42	5.17	91.9%	0.56	5.30	89.5%	0.40	5.41	92.5%
25	-	0.39	-	-	0.65	-	-	0.61	-	-
26	0.62%	0.44	4.79	90.8%	0.49	4.91	90.0%	0.38	5.01	92.4%
27	-	0.19	-	-	0.23	-	-	0.15	-	-
28	0.57%	0.34	4.40	92.3%	0.49	4.51	89.2%	0.38	4.61	91.7%
29	-	0.15	-	-	0.18	-	-	0.18	-	-
30	0.53%	0.21	4.09	94.8%	0.20	4.19	95.2%	0.22	4.28	94.8%
31	-	0.14	-	-	0.11	-	-	0.06	-	-
32	0.50%	0.11	3.86	97.2%	0.13	3.96	96.7%	0.10	4.04	97.5%
33	-	0.04	-	-	0.08	-	-	0.05	-	-
34	0.47%	0.19	3.63	94.7%	0.21	3.72	94.4%	0.19	3.80	95.1%
35	-	0.04	-	-	0.07	-	-	0.05	-	-
36	0.44%	0.30	3.40	91.1%	0.32	3.48	90.9%	0.28	3.56	92.2%
37	-	0.05	-	-	0.05	-	-	0.06	-	-
38	0.42%	0.03	3.24	99.2%	0.02	3.32	99.3%	0.02	3.39	99.4%
39	-	0.02	-	-	0.03	-	-	0.02	-	-
40	0.40%	0.46	3.09	85.3%	0.56	3.16	82.4%	0.48	3.23	85.0%
41	N/A	0.02	-	-	0.02	-	-	0.02	-	-
42	N/A	0.29	-	-	0.32	-	-	0.30	-	-
43	N/A	0.04	-	-	0.05	-	-	0.04	-	-
44	N/A	0.02	-	-	0.04	-	-	0.04	-	-
45	N/A	0.12	-	-	0.14	-	-	0.13	-	-
46	N/A	2.50	-	-	2.91	-	-	2.55	-	-
47	N/A	0.02	-	-	0.02	-	-	0.01	-	-
48	N/A	3.12	-	-	3.61	-	-	3.15	-	-
49	N/A	0.43	-	-	0.52	-	-	0.46	-	-
50	N/A	0.04	-	-	0.06	-	-	0.02	-	-