

CERTIFICATE

Issued to:

Applicant:

Afore New Energy Technology (Shanghai) Co., Ltd.
Building 7, No.333 Wanfang Rd, Minhang District
201112 Shanghai, China

Licensee:

Afore New Energy Technology (Shanghai) Co., Ltd.
Building 7, No.333 Wanfang Rd, Minhang District
201112 Shanghai, China

Product : Hybrid inverter
Trade name(s) : Afore
Type(s)/model(s) : AF10K-TH, AF10K-THP, AF12K-TH, AF12K-THP, AF15K-TH, AF17K-TH, AF20K-TH, AF25K-TH, AF30K-TH, AF3K-TH, AF3K-THP, AF4K-TH, AF4K-THP, AF5K-TH, AF5K-THP, AF6K-TH, AF6K-THP, AF8K-TH and AF8K-THP

The product and any acceptable variation thereof as specified in the Annex to this certificate and the documents referred to therein.

DEKRA hereby declares that the above-mentioned product has been certified based on:

- a type test according to VDE-AR-N 4105:2018 and DIN VDE V 0124-100:2020
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 6069725

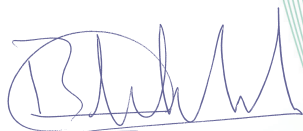
DEKRA hereby grants the right to use the DEKRA Mark.

The DEKRA Mark may be applied to the product as specified in this certificate for the duration and under the conditions of the DEKRA Mark certification agreement.

This certificate is issued on 11 March 2025 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 31-154757

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



Miranda Zhou
Certification Manager

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DUTCH ACCREDITATION
COUNCIL



31-154757

DEKRA Mark is the new KEMA-KEUR

The DEKRA Mark certificate for this product is to all intents and purposes equivalent to a KEMA-KEUR certificate, the other certification mark used by DEKRA and should be valued and used as such. DEKRA Mark is gradually replacing KEMA-KEUR.

For more information please check: [Introducing DEKRA Mark](#)

SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Hybrid inverter
Trade name(s)	: Afore
Type(s)/model(s)	: AF10K-TH, AF10K-THP, AF12K-TH, AF12K-THP, AF15K-TH, AF17K-TH, AF20K-TH, AF25K-TH, AF30K-TH, AF3K-TH, AF3K-THP, AF4K-TH, AF4K-THP, AF5K-TH, AF5K-THP, AF6K-TH, AF6K-THP, AF8K-TH and AF8K-THP
Rated voltage	: 3P+N+PE / 3P+PE, 230 / 400 Vac
Rated frequency	: 50 / 60 Hz
Class	: I
Degree of protection	: IP 65
Software version	: V01

Product data – type AF10K-TH and AF10K-THP

Max. active power $P_{E_{max}}$	: 11000 W
Max. apparent power $S_{E_{max}}$	: 11000 VA
Rated current	: 14.5 A

Product data – type AF12K-TH and AF12K-THP

Max. active power $P_{E_{max}}$	: 13200 W
Max. apparent power $S_{E_{max}}$	: 13200 VA
Rated current	: 17.4 A

Product data – type AF15K-TH

Max. active power $P_{E_{max}}$	: 16500 W
Max. apparent power $S_{E_{max}}$	: 16500 VA
Rated current	: 21.8 A

Product data – type AF17K-TH

Max. active power $P_{E_{max}}$	: 18.7 kW
Max. apparent power $S_{E_{max}}$	: 18.7 kVA
Rated current	: 24.7 A

Product data – type AF20K-TH

Max. active power $P_{E_{max}}$	: 22 kW
Max. apparent power $S_{E_{max}}$	: 22 kVA
Rated current	: 29 A

Product data – type AF25K-TH

Max. active power $P_{E_{max}}$	: 27.5 kW
Max. apparent power $S_{E_{max}}$	: 27.5 kVA
Rated current	: 36.3 A

Product data – type AF30K-TH

Max. active power $P_{E_{max}}$: 33 kW
Max. apparent power $S_{E_{max}}$: 33 kVA
Rated current : 43.5 A

Product data – type AF3K-TH and AF3K-THP

Max. active power $P_{E_{max}}$: 3300 W
Max. apparent power $S_{E_{max}}$: 3300 VA
Rated current : 4.4 A

Product data – type AF4K-TH and AF4K-THP

Max. active power $P_{E_{max}}$: 4400 W
Max. apparent power $S_{E_{max}}$: 4400 VA
Rated current : 5.8 A

Product data – type AF5K-TH and AF5K-THP

Max. active power $P_{E_{max}}$: 5500 W
Max. apparent power $S_{E_{max}}$: 5500 VA
Rated current : 7.3 A

Product data – type AF6K-TH and AF6K-THP

Max. active power $P_{E_{max}}$: 6600 W
Max. apparent power $S_{E_{max}}$: 6600 VA
Rated current : 8.7 A

Product data – type AF8K-TH and AF8K-THP

Max. active power $P_{E_{max}}$: 8800 W
Max. apparent power $S_{E_{max}}$: 8800 VA
Rated current : 11.6 A

TESTS**Test requirements**

VDE-AR-N 4105:2018
DIN VDE V 0124-100:2020

Test result

The test results are documented in DEKRA test file 621734500.

Additional information

The list of components is laid down in test report 6217345.50.

Conclusion

The examination has confirmed that all requirements were met.

Factory location

Afore New Energy Technology (Shanghai) Co., Ltd.
Building 7, No.333 Wanfang Rd, Minhang District
201112 Shanghai, China

Trade name(s): Afore stands for:



E.5 Test report “Utility interactive” for power generation units (VDE-AR-N 4105:2018-11) E.5 Prüfbericht „Netrückwirkungen“ für Erzeugungseinheiten						
Extract from test report for unit certificate "Determination of electrical properties" Auszug aus dem Prüfbericht für Gerätezertifikat "Bestimmung elektrischer Eigenschaften"				Report No.: 6217345.50 Bericht Nr.:		
Manufacturer: Anlagenhersteller		Afore New Energy Technology (Shanghai) Co., Ltd.				
Manufacturer specifications: Herstellerangaben		Typ: Anlagenart:	Hybrid Inverter			
		maximum active power P _{E_{max}} : maximale Wirkleistung P _{E_{max}} :	AF3K-TH	AF4K-TH	AF5K-TH	
			AF3K-THP	AF4K-THP	AF5K-THP	
			3.3 kW	4.4 kW	5.5 kW	
			AF6K-TH	AF8K-TH	AF10K-TH	
			AF6K-THP	AF8K-THP	AF10K-THP	
			6.6 kW	8.8 kW	11 kW	
			AF12K-TH	AF15K-TH	AF17K-TH	
			AF12K-THP			
			13.2 kW	16.5 kW	18.7 kW	
			AF20K-TH	AF25K-TH	AF30K-TH	
		22 kW	27.5 kW	33 kW		
		Rated voltage: Bemessungsspannung:	3P+N+PE/3P+PE, 230/400Vac			
Measuring period: Messzeitraum:		From 2023-02-27 to 2023-03-05 Vom 2023-02-27 bis 2023-03-05				
Model / Modell: AF30K-TH						
Rapid voltage changes Schnelle Spannungsänderungen						
Switching on without specification Einschalten ohne Vorgabe (zum Primärenergieträger)				k _i :	0.096	
Most unfavorable case when switching the generator Ungünstigster Fall beim Umschalten der Generatorstufen				k _i :	0.098	
Switching on at rated power Einschalten bei Nennbedingungen (des Primärenergieträgers)				k _i :	0.114	
Switch off at rated power Ausschalten bei Bemessungsleistung				k _i :	0.629	
Worst-case value of all switching operations Schlechtester Wert aller Schaltvorgänge				k _{imax} :	0.629	
Flicker	Angle of network impedance ψ_k Netzimpedanzwinkel ψ_k	30°	50°	70°	85°	
	Coefficient of system flicker c_ψ : Anlagenflickerbeiwert c_ψ	4.462	10.202	15.343	17.394	
Short-Circuit Power (S _k): 561 kVA						

Harmonics / Oberschwingungen: Model / Modell: AF30K-TH Tested according to DIN VDE V 0124-100 clause 5.2.4 / <i>geprüft nach DIN VDE V 0124-100 Punkt 5.2.4</i>										
Active power Wirkleistung P/P _n [%]	10	20	30	40	50	60	70	80	90	100
Harmonic order Ordnungszahl	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]
2	0.299	0.319	0.215	0.290	0.203	0.210	0.194	0.142	0.192	0.189
3	0.042	0.047	0.089	0.130	0.098	0.094	0.121	0.165	0.211	0.216
4	0.098	0.116	0.187	0.250	0.235	0.179	0.153	0.146	0.139	0.117
5	0.249	0.293	0.296	0.267	0.312	0.296	0.328	0.328	0.361	0.389
6	0.020	0.027	0.038	0.037	0.027	0.030	0.034	0.031	0.039	0.035
7	0.171	0.203	0.195	0.231	0.165	0.219	0.211	0.224	0.230	0.221
8	0.024	0.037	0.032	0.058	0.038	0.018	0.026	0.022	0.026	0.024
9	0.023	0.026	0.036	0.050	0.029	0.027	0.034	0.029	0.031	0.039
10	0.021	0.028	0.091	0.086	0.044	0.038	0.031	0.028	0.028	0.017
11	0.206	0.468	0.420	0.461	0.563	0.584	0.565	0.567	0.546	0.461
12	0.025	0.020	0.031	0.024	0.014	0.022	0.018	0.015	0.016	0.017
13	0.219	0.367	0.249	0.313	0.403	0.387	0.360	0.339	0.294	0.290
14	0.023	0.021	0.019	0.018	0.021	0.028	0.025	0.026	0.026	0.025
15	0.023	0.025	0.030	0.022	0.027	0.021	0.034	0.021	0.027	0.032
16	0.022	0.013	0.071	0.051	0.052	0.055	0.044	0.042	0.041	0.033
17	0.304	0.184	0.313	0.283	0.231	0.195	0.172	0.152	0.131	0.172
18	0.020	0.017	0.023	0.019	0.013	0.019	0.018	0.017	0.019	0.017
19	0.244	0.109	0.167	0.203	0.147	0.078	0.082	0.135	0.166	0.108
20	0.015	0.018	0.032	0.047	0.045	0.045	0.035	0.027	0.028	0.022
21	0.023	0.024	0.022	0.024	0.026	0.022	0.022	0.029	0.032	0.028
22	0.022	0.024	0.039	0.042	0.052	0.050	0.037	0.022	0.023	0.026
23	0.085	0.100	0.184	0.137	0.120	0.115	0.107	0.091	0.069	0.054
24	0.028	0.024	0.018	0.017	0.013	0.019	0.018	0.019	0.018	0.019
25	0.110	0.115	0.087	0.101	0.050	0.082	0.117	0.122	0.134	0.143
26	0.021	0.027	0.026	0.048	0.035	0.037	0.028	0.026	0.020	0.016
27	0.021	0.023	0.018	0.023	0.022	0.020	0.021	0.022	0.032	0.032
28	0.015	0.021	0.015	0.028	0.026	0.019	0.019	0.021	0.023	0.025
29	0.120	0.122	0.072	0.079	0.093	0.083	0.066	0.051	0.051	0.084
30	0.014	0.017	0.014	0.014	0.011	0.017	0.017	0.015	0.017	0.017
31	0.089	0.091	0.041	0.061	0.039	0.045	0.059	0.064	0.076	0.054
32	0.013	0.017	0.021	0.037	0.029	0.029	0.022	0.019	0.017	0.017
33	0.022	0.038	0.031	0.047	0.035	0.027	0.036	0.033	0.028	0.042
34	0.033	0.031	0.039	0.038	0.028	0.025	0.030	0.031	0.032	0.032
35	0.061	0.074	0.041	0.072	0.071	0.053	0.047	0.061	0.072	0.050
36	0.020	0.018	0.018	0.017	0.023	0.023	0.026	0.020	0.023	0.021
37	0.059	0.044	0.031	0.031	0.053	0.078	0.088	0.091	0.095	0.086
38	0.016	0.018	0.019	0.022	0.025	0.023	0.019	0.014	0.013	0.016
39	0.020	0.022	0.019	0.018	0.024	0.024	0.023	0.025	0.023	0.023
40	0.012	0.017	0.021	0.019	0.018	0.019	0.026	0.030	0.026	0.022
Remark / Bemerkung: The maximal value of three phases is selected. / <i>Die maximalwerte der drei Phasen werden gewählt.</i>										

Interharmonics / Zwischenharmonische:											
Model / Modell: AF30K-TH											
Tested according to DIN VDE V 0124-100 clause 5.2.4 / geprüft nach DIN VDE V 0124-100 Punkt 5.2.4											
Active power Wirkleistung P/P _n [%]	0	10	20	30	40	50	60	70	80	90	100
Frequency Frequenz [Hz]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]
75	0.042	0.022	0.020	0.022	0.024	0.025	0.026	0.027	0.029	0.041	0.082
125	0.020	0.020	0.019	0.020	0.021	0.022	0.022	0.023	0.027	0.034	0.074
175	0.036	0.031	0.039	0.048	0.061	0.084	0.087	0.096	0.095	0.090	0.072
225	0.016	0.015	0.015	0.017	0.018	0.017	0.017	0.016	0.016	0.015	0.084
275	0.016	0.015	0.014	0.016	0.016	0.017	0.016	0.016	0.016	0.015	0.099
325	0.014	0.014	0.014	0.016	0.015	0.016	0.015	0.015	0.014	0.014	0.096
375	0.015	0.015	0.014	0.016	0.016	0.016	0.015	0.015	0.015	0.015	0.094
425	0.015	0.014	0.015	0.015	0.015	0.014	0.014	0.014	0.014	0.014	0.089
475	0.015	0.014	0.015	0.015	0.014	0.014	0.014	0.014	0.013	0.014	0.086
525	0.015	0.015	0.015	0.015	0.016	0.015	0.015	0.014	0.014	0.014	0.083
575	0.015	0.015	0.014	0.016	0.015	0.016	0.015	0.015	0.015	0.014	0.077
625	0.015	0.015	0.014	0.015	0.015	0.015	0.015	0.014	0.014	0.014	0.075
675	0.016	0.015	0.014	0.016	0.016	0.016	0.015	0.015	0.015	0.015	0.069
725	0.016	0.016	0.015	0.015	0.016	0.015	0.015	0.015	0.015	0.015	0.067
775	0.017	0.016	0.016	0.016	0.016	0.015	0.016	0.016	0.015	0.015	0.063
825	0.017	0.016	0.016	0.016	0.017	0.017	0.017	0.017	0.016	0.015	0.059
875	0.017	0.016	0.015	0.015	0.016	0.017	0.017	0.016	0.015	0.015	0.056
925	0.017	0.015	0.016	0.015	0.017	0.017	0.018	0.017	0.016	0.015	0.052
975	0.017	0.018	0.017	0.017	0.018	0.019	0.020	0.018	0.018	0.016	0.049
1025	0.018	0.018	0.016	0.017	0.016	0.017	0.018	0.018	0.016	0.016	0.048
1075	0.017	0.017	0.016	0.016	0.015	0.016	0.017	0.016	0.016	0.016	0.045
1125	0.019	0.017	0.016	0.016	0.017	0.017	0.017	0.016	0.016	0.016	0.042
1175	0.019	0.020	0.022	0.020	0.020	0.020	0.018	0.016	0.016	0.016	0.040
1225	0.025	0.017	0.019	0.017	0.018	0.017	0.016	0.015	0.016	0.016	0.040
1275	0.018	0.018	0.018	0.016	0.017	0.017	0.016	0.015	0.017	0.016	0.039
1325	0.018	0.022	0.018	0.016	0.017	0.016	0.015	0.015	0.016	0.017	0.038
1375	0.016	0.017	0.016	0.016	0.015	0.015	0.014	0.015	0.016	0.017	0.040
1425	0.019	0.018	0.016	0.015	0.016	0.015	0.014	0.015	0.015	0.016	0.040
1475	0.017	0.018	0.017	0.016	0.014	0.015	0.015	0.015	0.015	0.015	0.045
1525	0.020	0.019	0.018	0.016	0.015	0.014	0.015	0.015	0.017	0.017	0.046
1575	0.017	0.017	0.018	0.019	0.015	0.015	0.015	0.016	0.016	0.016	0.039
1625	0.019	0.023	0.023	0.023	0.020	0.018	0.018	0.019	0.019	0.021	0.039
1675	0.034	0.032	0.037	0.039	0.027	0.027	0.026	0.030	0.027	0.028	0.040
1725	0.070	0.052	0.051	0.038	0.059	0.058	0.054	0.056	0.057	0.056	0.042
1775	0.034	0.032	0.030	0.024	0.036	0.041	0.040	0.040	0.039	0.036	0.025
1825	0.020	0.022	0.020	0.018	0.026	0.024	0.026	0.024	0.027	0.027	0.028
1875	0.019	0.019	0.018	0.017	0.018	0.020	0.019	0.020	0.020	0.021	0.025
1925	0.024	0.020	0.018	0.015	0.017	0.017	0.016	0.018	0.017	0.019	0.025
1975	0.018	0.017	0.016	0.018	0.017	0.018	0.018	0.019	0.019	0.021	0.024
Remark / Bemerkung:											
The maximal value of three phases is selected. / Die maximalwerte der drei Phasen werden gewählt.											

Higher Frequencies / Höhere Frequenzen: Model / Modell: AF30K-TH Tested according to DIN VDE V 0124-100 clause 5.2.4 / geprüft nach DIN VDE V 0124-100 Punkt 5.2.4										
Active power Wirkleistung P/P _n [%]	10	20	30	40	50	60	70	80	90	100
Frequency Frequenz [kHz]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]
2.1	0.014	0.019	0.017	0.019	0.020	0.020	0.018	0.016	0.016	0.014
2.3	0.011	0.015	0.012	0.018	0.023	0.029	0.038	0.036	0.037	0.033
2.5	0.012	0.009	0.013	0.010	0.013	0.013	0.020	0.029	0.032	0.026
2.7	0.010	0.010	0.011	0.009	0.010	0.013	0.013	0.015	0.020	0.027
2.9	0.011	0.010	0.009	0.009	0.011	0.015	0.017	0.026	0.044	0.060
3.1	0.008	0.010	0.010	0.008	0.013	0.016	0.016	0.018	0.023	0.048
3.3	0.008	0.009	0.009	0.008	0.007	0.010	0.010	0.011	0.014	0.023
3.5	0.008	0.006	0.010	0.009	0.008	0.011	0.012	0.017	0.019	0.024
3.7	0.008	0.008	0.008	0.008	0.006	0.007	0.007	0.009	0.014	0.016
3.9	0.007	0.008	0.007	0.007	0.006	0.008	0.008	0.008	0.009	0.011
4.1	0.007	0.007	0.007	0.010	0.007	0.008	0.010	0.009	0.009	0.010
4.3	0.008	0.009	0.009	0.009	0.007	0.008	0.010	0.010	0.008	0.011
4.5	0.008	0.008	0.007	0.008	0.007	0.008	0.008	0.008	0.008	0.009
4.7	0.008	0.010	0.010	0.011	0.010	0.021	0.019	0.013	0.012	0.012
4.9	0.009	0.009	0.011	0.012	0.010	0.019	0.018	0.013	0.012	0.010
5.1	0.011	0.011	0.008	0.008	0.010	0.008	0.011	0.010	0.011	0.009
5.3	0.010	0.015	0.011	0.014	0.011	0.010	0.008	0.015	0.013	0.012
5.5	0.011	0.015	0.014	0.017	0.013	0.009	0.010	0.013	0.013	0.012
5.7	0.011	0.011	0.013	0.010	0.010	0.010	0.010	0.009	0.012	0.010
5.9	0.012	0.017	0.016	0.014	0.012	0.013	0.014	0.023	0.044	0.079
6.1	0.017	0.028	0.012	0.023	0.016	0.013	0.014	0.021	0.044	0.078
6.3	0.014	0.017	0.010	0.011	0.014	0.011	0.011	0.010	0.011	0.010
6.5	0.014	0.015	0.012	0.019	0.016	0.017	0.014	0.010	0.011	0.013
6.7	0.014	0.017	0.015	0.021	0.017	0.012	0.012	0.009	0.009	0.010
6.9	0.011	0.013	0.010	0.012	0.012	0.014	0.015	0.012	0.012	0.010
7.1	0.013	0.017	0.015	0.023	0.020	0.018	0.017	0.013	0.013	0.013
7.3	0.012	0.015	0.016	0.025	0.022	0.013	0.013	0.013	0.014	0.014
7.5	0.014	0.019	0.014	0.015	0.015	0.019	0.020	0.019	0.017	0.013
7.7	0.015	0.024	0.022	0.033	0.029	0.025	0.027	0.022	0.020	0.018
7.9	0.014	0.024	0.027	0.040	0.033	0.021	0.023	0.021	0.020	0.019
8.1	0.018	0.036	0.032	0.030	0.027	0.032	0.032	0.033	0.029	0.022
8.3	0.027	0.051	0.049	0.066	0.061	0.050	0.048	0.043	0.039	0.035
8.5	0.035	0.038	0.052	0.084	0.066	0.040	0.044	0.042	0.045	0.038
8.7	0.026	0.031	0.047	0.055	0.054	0.055	0.055	0.057	0.059	0.050
8.9	0.018	0.019	0.048	0.072	0.070	0.046	0.057	0.057	0.059	0.069
Remark / Bemerkung: The maximal value of three phases is selected. / Die maximalwerte der drei Phasen werden gewählt.										

Harmonics / Oberschwingungen: Model / Modell: AF3K-TH Tested according to DIN VDE V 0124-100 clause 5.2.4 / <i>geprüft nach DIN VDE V 0124-100 Punkt 5.2.4</i>										
Active power Wirkleistung P/P _n [%]	10	20	30	40	50	60	70	80	90	100
Harmonic order Ordnungszahl	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]
2	0.013	0.025	0.028	0.031	0.024	0.026	0.026	0.031	0.034	0.037
3	0.004	0.008	0.007	0.007	0.007	0.010	0.015	0.019	0.017	0.016
4	0.010	0.019	0.021	0.023	0.025	0.030	0.034	0.041	0.048	0.045
5	0.026	0.053	0.058	0.060	0.055	0.060	0.065	0.062	0.057	0.062
6	0.001	0.003	0.002	0.003	0.003	0.004	0.004	0.004	0.005	0.005
7	0.019	0.037	0.043	0.039	0.042	0.039	0.033	0.036	0.040	0.032
8	0.002	0.003	0.004	0.005	0.003	0.005	0.006	0.009	0.010	0.007
9	0.003	0.005	0.005	0.005	0.005	0.007	0.010	0.010	0.006	0.005
10	0.001	0.003	0.003	0.004	0.009	0.015	0.014	0.015	0.013	0.009
11	0.022	0.044	0.085	0.095	0.083	0.083	0.086	0.091	0.101	0.110
12	0.001	0.002	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003
13	0.021	0.042	0.052	0.074	0.068	0.049	0.052	0.061	0.072	0.079
14	0.001	0.003	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.004
15	0.003	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.004	0.005
16	0.001	0.003	0.003	0.002	0.006	0.011	0.010	0.009	0.008	0.010
17	0.030	0.060	0.027	0.037	0.052	0.062	0.062	0.057	0.054	0.048
18	0.001	0.003	0.003	0.002	0.002	0.003	0.003	0.002	0.003	0.002
19	0.025	0.050	0.035	0.022	0.035	0.034	0.039	0.040	0.039	0.031
20	0.001	0.003	0.003	0.003	0.003	0.005	0.007	0.008	0.008	0.009
21	0.003	0.005	0.005	0.005	0.005	0.005	0.004	0.004	0.004	0.005
22	0.001	0.003	0.003	0.003	0.004	0.006	0.006	0.007	0.008	0.011
23	0.009	0.018	0.036	0.020	0.022	0.037	0.035	0.028	0.023	0.025
24	0.002	0.004	0.003	0.004	0.003	0.004	0.003	0.004	0.004	0.003
25	0.010	0.020	0.030	0.023	0.015	0.017	0.020	0.020	0.015	0.010
26	0.001	0.003	0.003	0.004	0.003	0.004	0.007	0.009	0.008	0.007
27	0.002	0.004	0.005	0.005	0.004	0.004	0.004	0.005	0.004	0.004
28	0.001	0.003	0.003	0.003	0.004	0.003	0.003	0.005	0.005	0.005
29	0.012	0.024	0.014	0.025	0.014	0.014	0.016	0.016	0.017	0.019
30	0.001	0.003	0.003	0.003	0.003	0.002	0.003	0.002	0.003	0.002
31	0.009	0.018	0.009	0.019	0.011	0.008	0.011	0.012	0.010	0.008
32	0.001	0.003	0.003	0.003	0.004	0.004	0.005	0.007	0.006	0.006
33	0.003	0.005	0.008	0.008	0.007	0.007	0.006	0.009	0.008	0.007
34	0.003	0.007	0.007	0.006	0.009	0.008	0.008	0.007	0.007	0.006
35	0.005	0.011	0.017	0.015	0.013	0.008	0.011	0.014	0.016	0.015
36	0.002	0.003	0.004	0.003	0.004	0.003	0.003	0.003	0.004	0.004
37	0.005	0.011	0.015	0.009	0.011	0.006	0.006	0.006	0.006	0.010
38	0.001	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.005	0.005
39	0.002	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.005	0.005
40	0.001	0.002	0.002	0.003	0.003	0.003	0.002	0.003	0.004	0.003
Remark / Bemerkung: The maximal value of three phases is selected. / <i>Die maximalwerte der drei Phasen werden gewählt.</i>										

Interharmonics / Zwischenharmonische:										
Model / Modell: AF3K-TH										
Tested according to DIN VDE V 0124-100 clause 5.2.4 / geprüft nach DIN VDE V 0124-100 Punkt 5.2.4										
Active power Wirkleistung P/P _n [%]	10	20	30	40	50	60	70	80	90	100
Frequency Frequenz [Hz]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]
75	0.009	0.024	0.006	0.005	0.008	0.007	0.007	0.006	0.009	0.006
125	0.003	0.007	0.003	0.003	0.004	0.003	0.004	0.004	0.005	0.004
175	0.004	0.008	0.010	0.007	0.006	0.006	0.007	0.009	0.009	0.011
225	0.002	0.005	0.003	0.003	0.003	0.003	0.004	0.003	0.004	0.004
275	0.002	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004
325	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.003
375	0.002	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004
425	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
475	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
525	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
575	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.003
625	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
675	0.002	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
725	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
775	0.002	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
825	0.002	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
875	0.002	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
925	0.002	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
975	0.002	0.004	0.004	0.004	0.003	0.004	0.003	0.003	0.004	0.004
1025	0.002	0.004	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.003
1075	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
1125	0.002	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
1175	0.002	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003
1225	0.003	0.005	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.004
1275	0.002	0.004	0.004	0.004	0.003	0.004	0.003	0.003	0.003	0.003
1325	0.002	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003
1375	0.001	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
1425	0.002	0.004	0.003	0.004	0.004	0.003	0.003	0.003	0.003	0.003
1475	0.002	0.004	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.003
1525	0.002	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003
1575	0.002	0.004	0.003	0.004	0.003	0.004	0.004	0.004	0.003	0.003
1625	0.002	0.004	0.004	0.005	0.005	0.005	0.004	0.005	0.004	0.004
1675	0.004	0.007	0.007	0.008	0.007	0.008	0.009	0.009	0.007	0.006
1725	0.007	0.013	0.010	0.010	0.011	0.010	0.009	0.008	0.009	0.011
1775	0.003	0.007	0.006	0.006	0.006	0.006	0.005	0.005	0.006	0.007
1825	0.002	0.004	0.004	0.004	0.004	0.004	0.003	0.003	0.004	0.005
1875	0.002	0.004	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.004
1925	0.002	0.005	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003
1975	0.002	0.004	0.003	0.004	0.003	0.003	0.003	0.004	0.004	0.004
Remark / Bemerkung:										
The maximal value of three phases is selected. / Die maximalwerte der drei Phasen werden gewählt.										

Higher Frequencies / Höhere Frequenzen: Model / Modell: AF3K-TH Tested according to DIN VDE V 0124-100 clause 5.2.4 / geprüft nach DIN VDE V 0124-100 Punkt 5.2.4										
Active power Wirkleistung P/P _n [%]	10	20	30	40	50	60	70	80	90	100
Frequency Frequenz [kHz]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]	I [%]
2.1	0.001	0.003	0.003	0.002	0.003	0.002	0.002	0.002	0.003	0.003
2.3	0.001	0.002	0.002	0.003	0.003	0.002	0.002	0.003	0.005	0.004
2.5	0.001	0.002	0.002	0.002	0.002	0.002	0.003	0.002	0.003	0.003
2.7	0.001	0.002	0.002	0.001	0.002	0.002	0.001	0.002	0.002	0.002
2.9	0.001	0.002	0.001	0.002	0.002	0.002	0.002	0.001	0.003	0.002
3.1	0.001	0.001	0.001	0.002	0.001	0.002	0.002	0.001	0.002	0.003
3.3	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
3.5	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.002	0.001	0.001
3.7	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001
3.9	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
4.1	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002	0.001
4.3	0.001	0.001	0.001	0.001	0.002	0.002	0.001	0.002	0.002	0.001
4.5	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
4.7	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.003	0.002
4.9	0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
5.1	0.001	0.002	0.002	0.002	0.002	0.002	0.001	0.001	0.001	0.002
5.3	0.001	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.002
5.5	0.001	0.002	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003
5.7	0.001	0.002	0.003	0.002	0.002	0.003	0.003	0.002	0.002	0.002
5.9	0.001	0.002	0.003	0.003	0.004	0.005	0.003	0.003	0.003	0.003
6.1	0.002	0.004	0.004	0.005	0.003	0.004	0.004	0.004	0.003	0.003
6.3	0.001	0.003	0.003	0.003	0.002	0.002	0.002	0.002	0.002	0.003
6.5	0.001	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.003	0.004
6.7	0.001	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.003
6.9	0.001	0.003	0.003	0.003	0.002	0.002	0.002	0.002	0.002	0.002
7.1	0.001	0.002	0.003	0.003	0.003	0.004	0.004	0.005	0.004	0.004
7.3	0.001	0.002	0.003	0.003	0.004	0.004	0.004	0.005	0.005	0.005
7.5	0.001	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.003	0.003
7.7	0.001	0.003	0.003	0.006	0.005	0.005	0.005	0.007	0.006	0.006
7.9	0.001	0.003	0.003	0.006	0.006	0.007	0.006	0.008	0.008	0.007
8.1	0.002	0.003	0.004	0.007	0.006	0.006	0.006	0.006	0.005	0.005
8.3	0.002	0.004	0.004	0.011	0.012	0.012	0.012	0.014	0.013	0.013
8.5	0.003	0.005	0.005	0.009	0.013	0.013	0.014	0.017	0.016	0.015
8.7	0.003	0.005	0.005	0.008	0.009	0.009	0.009	0.011	0.009	0.010
8.9	0.001	0.003	0.003	0.004	0.007	0.011	0.013	0.016	0.016	0.014
Remark: The maximal value of three phases is selected. <i>Beachtung: Die maximalwerte der drei Phasen werden gewählt.</i>										