

Prüfbericht-Nr.: <i>Test report no.:</i>	CN22TTMZ 002	Auftrags-Nr.: <i>Order no.:</i>	170311615	Seite 1 von 14 Page 1 of 14	
Kunden-Referenz-Nr.: <i>Client reference no.:</i>	--	Auftragsdatum: <i>Order date:</i>	2022.11.10		
Auftraggeber: <i>Client:</i>	Anker Innovations Limited. Room 1318-19,Hollywood Plaza 610 Nathan Road Mongkok, Kowloon Hong Kong.				
Prüfgegenstand: <i>Test item:</i>	Refrigerator				
Bezeichnung / Typ-Nr.: <i>Identification / Type no.:</i>	A17A1				
Auftrags-Inhalt: <i>Order content:</i>	ERP test				
Prüfgrundlage: <i>Test specification:</i>	EN 62552-1:2020 + EN 62552-2:2020 + EN 62552-3:2020 COMMISSION REGULATION (EU) 2019/2019 COMMISSION DELEGATED REGULATION (EU) 2019/2016				
Wareneingangsdatum: <i>Date of sample receipt:</i>	2022.12.05				
Prüfmuster-Nr.: <i>Test sample no.:</i>	170311615-002				
Prüfzeitraum: <i>Testing period:</i>	2022.12.05 to 2023.02.22				
Ort der Prüfung: <i>Place of testing:</i>	Foshan Alpicool Electric Appliance Co., LTD.				
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland Guangdong Ltd.				
Prüfergebnis*: <i>Test result*:</i>	Pass				
geprüft von: <i>tested by:</i>	 Signed by: Edward Zheng Project Engineer		genehmigt von: <i>authorized by:</i>	 Signed by: Stone Shi Reviewer	
Datum: <i>Date:</i>	2023.02.22	Ausstelldatum: <i>Issue date:</i>	2023.02.22		
Stellung / Position:	Project Engineer		Stellung / Position:	Reviewer	
Sonstiges / Other:	N/A				
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>	Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>				
* Legende:	1 = sehr gut P(ass) = entspricht o.g. Prüfgrundlage(n)	2 = gut F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	3 = befriedigend F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	4 = ausreichend N/A = nicht anwendbar	5 = mangelhaft N/T = nicht getestet
* Legend:	1 = very good P(ass) = passed a.m. test specification(s)	2 = good F(ail) = failed a.m. test specification(s)	3 = satisfactory F(ail) = failed a.m. test specification(s)	4 = sufficient N/A = not applicable	5 = poor N/T = not tested
<p>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i></p>					

General product information and characteristics:

Model	A17A1	
Trade mark	N/A	
Manufacturer	Anker Innovations Limited. Room 1318-19,Hollywood Plaza 610 Nathan Road Mongkok, Kowloon Hong Kong.	
Factory	Foshan Alpicool Electric Appliance Co., LTD. Address 1: 13A, Xinlong Road, ShilongJiyue Industrial Zone, Xintang Village, Lunjiao Town, Foshan City, 528308 Guangdong P.R. China. Address 2: No.9 Huanzhen East Road,Beijiao Town,Shunde District,Foshan City,Guangdong,China.	
Rated voltage and frequency	AC100-240V, 50-60Hz DC12V/24V	
Climate class	SN/N/ST/T	
Refrigerant	R1234yf, 30	
Type of refrigerating appliance	Refrigerator	
Design type	Freestanding	
Defrosting type	Manual defrost	
Compressor model	DE25M1P-B by GMCC	
Compressor type	Variable speed	
Condenser type	Fan forced	
Condenser location	Underneath	
Features	N/A	
Ambient controlled anti-condensation heater	Without	
Total rated volume of all compartments	43L	
Rated linear dimensions (width × depth × height)	Overall dimensions	837mmx464mmx489mm
	Space required in use	837mmx464mmx489mm
	Overall space required in use	837mmx630mmx848mm

List of compartments:

Compartment	Rated volume	Defrost type	Access	Number of external doors
Fresh food	43L	Manual	Top	1

Summary of testing:

1. The appliance was tested according to COMMISSION REGULATION (EU) 2019/2019, COMMISSION DELEGATED REGULATION (EU) 2019/2016, EN 62552-1:2020, EN 62552-2:2020, EN 62552-3:2020.
2. This report also considered the COMMISSION REGULATION (EU) 2021/341 and COMMISSION DELEGATED REGULATION (EU) 2021/340.
3. The tests were performed at voltage 230V, 50Hz.
4. Storage test was conducted at 10°C and 43°C according to climate class SN/N/ST/T. Energy consumption test was conducted at 16°C and 32°C
5. The distance from the rear plane of the appliance to the test room wall is 51mm.

Summary of test result:

Identification	A17A1			
Characteristic	Declaration	Measured values	Deviation	Result
Energy efficiency class	F	F (EEI=106.9%)	-	P
AE(Annual Energy consumption) (kWh/a)	86	85.78	-0.3%	P
E ₁₆ (Energy consumption at 16°C) (kWh/24h)	0.138	0.138	0.0%	P
E ₃₂ (Energy consumption at 32°C) (kWh/24h)	0.333	0.332	-0.3%	P
Total volume (L)	43	43.9	2.1%	P
Compartment volume (Fresh food) (L)	43	43.9	2.1%	P
Storage test	The product complies the requirement.			P

Remark: The test results are only related to the submitted sample and the tests that are fixed according to the order.

Place of testing:

Foshan Alpicool Electric Appliance Co., LTD.

Address: No.9 Huanzhen East Road,Beijiao Town,Shunde District,Foshan City,Guangdong,China.

Copy of marking plate:**Anker EverFrost Powered Cooler 40**

Model: A17A1

Rated Voltage AC (Adaptor): AC 100V-240V, 50Hz/60Hz

Rated Voltage DC: 12V/24V =

Rated Current AC (Adaptor): 1.2A - 0.7A

Rated Current DC: 5.5A(12V)/ 2.5A(24V)

Energy consumption E_{32} 0.333kWh/24h

Protective Classification of Electric Shock Resistance class II

Foam Vesicant: C_5H_{10} refrigerant: R1234yf(30g)

Storage Capacity: 43L Climate Type: SN/N/ST/T

 Use only with GM95-145600-D supply unit.

Battery type: A17B0, DC 14.4V, rechargeable batteries.

manufacturer: Anker Innovations Limited

address: Room 1318-19, Hollywood Plaza, 610 Nathan Road,
Mongkok, Kowloon, Hong Kong

UK importer: Anker Technology (UK) Limited

Address: GNR8, 49 Clarendon Road, Watford, Hertfordshire,
WD17 1HP, United Kingdom

EU importer: Anker Innovations Deutschland GmbH

Address: Georg-Muche-Strasse 3, 80807 Munich, Germany

MADE IN CHINA



SN:1234567890123456

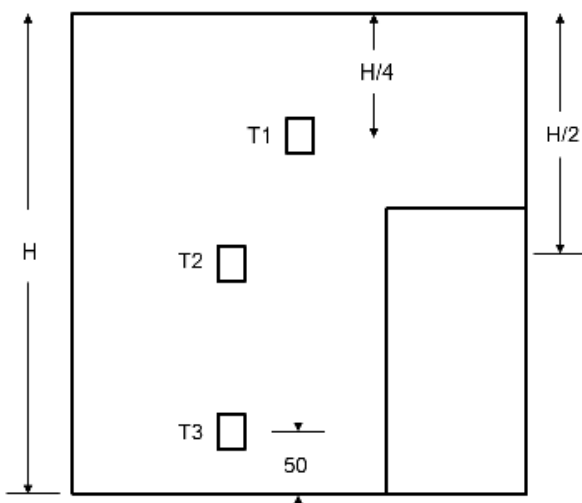


Detailed test results:

1. Storage test:

Ambient Temperature (°C)		10.0	43.0	Requirement (°C)
Appliance control settings:		4.0	4.0	--
Fresh food compartment temperature	T_{1m} (°C)	2.51	1.19	$0 \leq T_{1m} \leq +8$
	T_{2m} (°C)	2.55	1.17	$0 \leq T_{2m} \leq +8$
	T_{3m} (°C)	2.57	1.07	$0 \leq T_{3m} \leq +8$
	T_{ma} (°C)	2.54	1.14	$T_{ma} \leq +4$

The temperature sensors in fresh food compartment:



2. Volume test:

Item	Rated	Measured	limit: $\geq 100.0\%$
Fresh food compartment Volume (L)	43	43.9	102.1%
Total (L)	43	43.9	102.1%
Overall dimensions (width × depth × height, mm)	837x464x489	--	--
Space required in use (width × depth × height, mm)	837x464x489	--	--
Overall space required in use (width × depth × height, mm)	837x630x848	--	--

3. Energy consumption measurements:**3.1 Steady-state power and temperature (Annex B)**

Nominal ambient temperature: 16°C

Item	Test 1	Test 2	Test 3
Measured ambient temperature (°C)	16.0	16.0	--
Temperature control settings	5.0	4.0	--
Method of establishing stability	SS1		
Measured steady state power P_{SS1} (W)	6.372	5.363	--
Temperature in fresh food compartment T_{SS-1} (°C)	2.32	4.78	--
Time of Blocks A, B and C, where SS1 used (h)	9.2	11.0	--
Corrected steady-state power P_{SS} (W)	6.37	5.36	--

Nominal ambient temperature: 32°C

Item	Test 1	Test 2	Test 3
Measured ambient temperature (°C)	32.0	32.0	--
Temperature control settings	5.0	4.0	--
Method of establishing stability	SS1		
Measured steady state power P_{SS1} (W)	14.672	12.889	--
Temperature in fresh food compartment T_{SS-1} (°C)	2.60	5.56	--
Time of Blocks A, B and C, where SS1 used (h)	7.1	7.8	--
Corrected steady-state power P_{SS} (W)	14.67	12.89	--

3.2 Determination of daily energy consumption (Clause 6)

Nominal ambient temperature: 16°C

Item	Test 1	Test 2	Test 3
Daily energy consumption E_{daily} (Wh/day)	152.880	128.640	--
Temperature in fresh food compartment $T_{average-1}$ (°C)	2.32	5.08	--

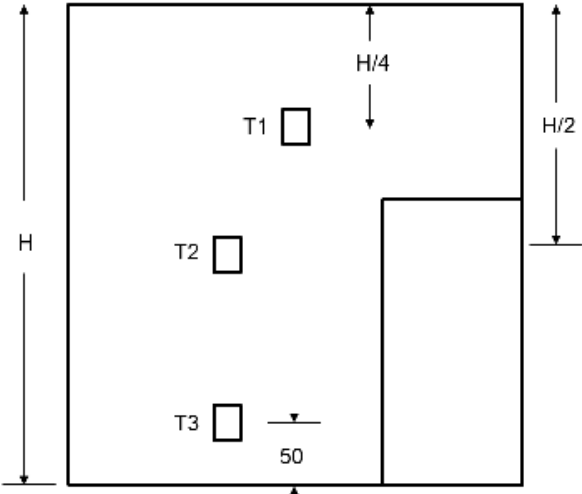
Nominal ambient temperature: 32°C

Item	Test 1	Test 2	Test 3
Daily energy consumption E_{daily} (Wh/day)	352.080	309.360	--
Temperature in fresh food compartment $T_{average-1}$ (°C)	2.60	5.56	--

3.3 Interpolation of results (Annex E)

Nominal ambient temperature (°C)	16	32
The test points used for interpolation	2	2
Interpolation method	Linear interpolation	Linear interpolation
Interpolated energy consumption E_{daily} (Wh/day)	138.118	331.873
The energy-temperature slope S_i (Wh/(24h·K))	-8.8	-14.4

The temperature sensors in fresh food compartment:



3.4 Calculation of Energy Efficiency Index

	Declared	Measurement
Compartment	Fresh food	Fresh food
Target temperature T_c (°C)	4	4
Total volume V (L)	43	43.9
Thermodynamic parameter r_c	1.00	1.00
Modelling parameters N_c	75	75
Modelling parameters M_c	0.12	0.12
Defrost factor A_c	1.00	1.00
Built-in factor B_c	1.00	1.00
Combi parameter C	1.00	1.00
Door heat loss factor D	1.000	1.000
Standard annual energy consumption SAE (kWh/a)	80.16	80.27
Daily energy consumption E_{daily} (kWh/24h)	--	0.235
Auxiliary energy E_{aux} (kWh/a)	0	0
Load factor L	1.0	1.0
Annual energy consumption AE (kWh/year)	86	85.78
EEI (Shall not more than 125 according to Table 1 of ANNEX II of COMMISSION REGULATION (EU) 2019/2019)	107.3%	106.9%
Energy efficiency class according to Table 1 of ANNEX II of COMMISSION DELEGATED REGULATION (EU) 2019/2016	F (100% < EEI ≤ 125%)	F (100% < EEI ≤ 125%)

Energy efficiency classes of refrigerating appliances according to COMMISSION DELEGATED REGULATION (EU) 2019/2016:

Energy efficiency class	Energy efficiency index (EEI)
A	EEI ≤ 41
B	41 < EEI ≤ 51
C	51 < EEI ≤ 64
D	64 < EEI ≤ 80
E	80 < EEI ≤ 100
F	100 < EEI ≤ 125
G	EEI > 125'

Photos:



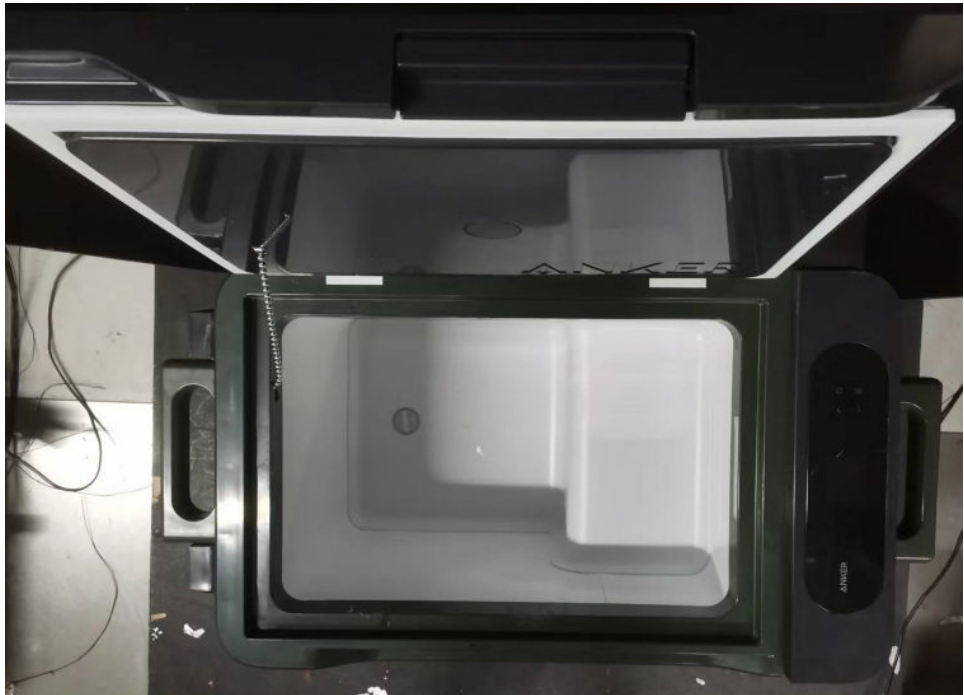
Picture 1



Picture 2



Picture 3



Picture 4

Product information sheet:

Supplier's name or trade mark: Anker Innovations Limited.

Supplier's address: Room 1318-19, Hollywood Plaza 610 Nathan Road Mongkok, Kowloon Hong Kong.

Model identifier: A17A1

Type of refrigerating appliance:

Low-noise appliance:	no	Design type:	freestanding
Wine storage appliance:	no	Other refrigerating appliance:	yes

General product parameters:

Parameter		Value	Parameter	Value
Overall dimensions (millimetre)	Height	489	Total volume (dm ³ or l)	43
	Width	837		
	Depth	464		
EEI(%)		107	Energy efficiency class	F
Airborne acoustical noise emissions (dB(A) re 1 pW)		--	Airborne acoustical noise emission class	--
Annual energy consumption (kWh/a)		86	Climate class:	extended temperate/ temperate/ subtropical/ tropical
Minimum ambient temperature (°C), for which the refrigerating appliance is suitable		10	Maximum ambient temperature (°C), for which the refrigerating appliance is suitable	43
Winter setting		no		

Compartment Parameters:

Compartment type		Compartment parameters and values			
		Compartment Volume (dm ³ or l)	Recommended temperature setting for optimised food storage (°C)	Freezing capacity (kg/24h)	Defrosting type (auto-defrost = A, manual defrost = M)
Pantry	no	—	—	—	—
Wine storage	no	—	—	—	—
Cellar	no	—	—	—	—
Fresh food	yes	43	0~4	—	M
Chill	no	—	—	—	—
0-star or ice-making	no	—	—	—	—
1-star	no	—	—	—	—
2-star	no	—	—	—	—
3-star	no	—	—	—	—
4-star	no	—	—	—	—
2-star section	no	—	—	—	—
Variable temperature compartment	no	—	—	—	—

For 4-star compartments

Fast freeze facility	—
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Product specifications:

A general description of the refrigerating appliance model, sufficient for it to be unequivocally and easily identified:

Parameter	Value	Parameter	Value
Annual energy consumption (kWh/a)	86.00	EEl (%)	107.3
Standard annual energy consumption (kWh/a)	80.16	Combi parameter	1.00
Temperature rise time (h)	—	Load factor	1.0
Door heat loss factor	1.00	Climate class:	extended temperate/ temperate/ subtropical/ tropical
Anti-condensation heater type	none	Airborne acoustical noise emissions (dB(A) re 1 pW)	—

Additional product specifications for refrigerating appliances, except for low noise refrigerating appliances:

Parameter	Value	
Daily energy consumption at 32°C (kWh/24h)	0.333	

Compartment Parameters:

Compartment type	Compartment parameters and values							
	Target temperature (°C)	Compartment volume (dm ³ or l)	Freezing capacity (kg/24 h)	Thermodynamic parameter (r_c)	N_c	M_c	Defrost factor (A_c)	Built-in factor (B_c)
Pantry	—	—	—	—	—	—	—	—
Wine storage	—	—	—	—	—	—	—	—
Cellar	—	—	—	—	—	—	—	—
Fresh food	4	43.0	—	1.00	75	0.12	1.00	1.00
Chill	—	—	—	—	—	—	—	—
0-star or ice- making	—	—	—	—	—	—	—	—
1-star	—	—	—	—	—	—	—	—
2-star	—	—	—	—	—	—	—	—
3-star	—	—	—	—	—	—	—	—
4-star	—	—	—	—	—	—	—	—
2-star section	—	—	—	—	—	—	—	—
Variable temperature compartment	—	—	—	—	—	—	—	—
The sum of the volumes of the chill compartment(s) and the unfrozen compartment(s) [l or dm ³]	—	43	—	—	—	—	—	—
The sum of the volumes of the frozen compartment(s) [l or dm ³]	—	—	—	—	—	—	—	—

End of report