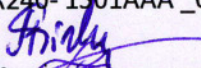



TEST REPORT
No. ErP_FR240-1501AAA_001

Report	
Test report No	No. ErP_FR240-1501AAA_001
Tested by (+signature)	A. Sirbikė 
Approved by (+signature)	T. Šiugždinis 
Date of issue	2018-08-30
Contents	14 page

Testing laboratory	
Name	
Address	

Manufacturer:	
Name	
Address	

Test item description:			
Description	Refrigerator-freezer		
Trade Mark:			
Model:	FR240		
Sn. No.:	As shown in Table 2		
Serial (ascribed) No.:	As shown in Table 2		
Energy efficiency cl.	A++		
Ratings:			
Rated voltage	AC 220-240 V	Rated frequency	50 Hz
Rated current input	1.0 A	Refrigerant	R600a
Climate class	As shown in Table 2	Refrigerant mass	As shown in Table 2

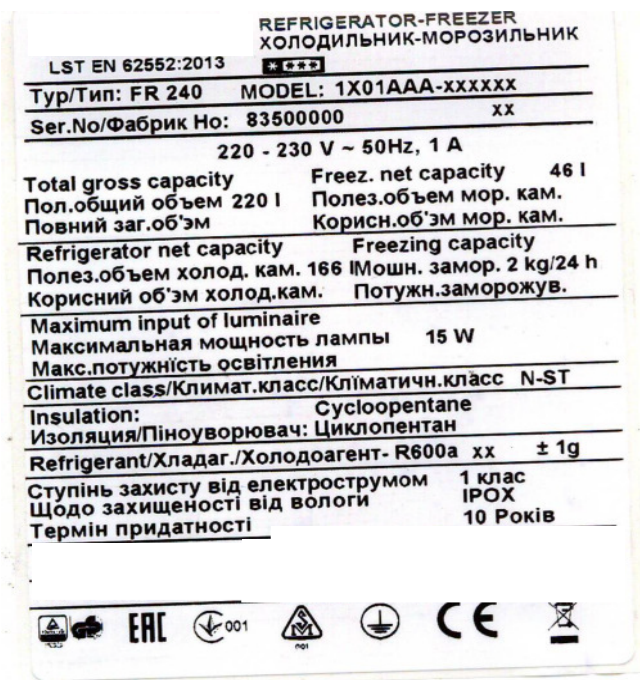
Test specification:	
Standards and norms:	EC Regulation No 643/2009, Commission delegated Regulation (EU) No 1060/2010 EN 62552:2013
Test methods:	EN 62552:2013
Applied tests:	EN 62552:2013 tests 7, 13, 15, 16, 17.
Conclusion:	The product meets requirements of EC Regulation No. 643/2009, EU delegated Regulation No 1060/2010 and standard EN 62552:2013.

Šis bandymų protokolai gali būti padaugintas pilnai visas be jokių pakeitimų. Bandymų protokolai be parašų negalioja. Bandymų rezultatai susiję tik su konkrečiais išbandytais objektais. Šis dokumentas 10 metų bus saugomas byloje.
This test report may be reproduced all in full and unchanged. Test reports without signatures are not valid. The test results are valid for concrete tested items only. This document will be kept on file for minimum of 10 years.

1. Photos of common view of refrigerator-freezer.



2. Photo, example of nameplate of refrigerator-freezer.



Note: Instead of the x characters, all values listed in Table 2

3. General

3.1. General technical data.

- 3.1.1. Appliance type - refrigerator-freezer.
- 3.1.2. Appliance category - 7 (acc. to EC Regulation No. 643/2009 (2009-07-22)).
- 3.1.3. Electrosafety class - 1 acc. to EN 60335-2-24;
- 3.1.4. Cooling system - compressor type;
- 3.1.5. Number and typ of compressors - 1 (one), under-construction documentation, as indicated in Table 2.
- 3.1.6. Refrigerant - isobutane R600a. Charge amount - under-construction documentation, as indicated in Table 2.
- 3.1.7. Number of compartments - two;
- 3.1.8. Cabinet and door thermoinsulation - cyclopentane C₅H₁₀.
- 3.1.9. Certification mark - TÜV certification mark GS;
- 3.1.10. Other marks - CE conformity mark.

3.2. Design.

- 3.2.1. Control system - automatic, using electromechanical thermostat and switch.
- 3.2.2. Defrost of fresh food storage compartment - automatic, every working cycle.
 - 3.2.2.1. Defrost water collection and taking out - defrost water is derived by special chute outside the compartment, collected into a tray on a compressor and evaporated.
- 3.2.3. Defrost of freezing compartment evaporator - manual, made by periods given in Instruction Manual.
 - 3.2.3.1. Defrost water collection and taking out - defrost water is derived by special chute outside the compartment, collected into any vessel and poured by a customer.
- 3.2.4. There is anticipated the following in the appliance design:
 - possibility to change door opening direction,
 - possibility to change shelf place acc. to the height in the fresh food storage compartment,
 - possibility to change place of door balconies acc. to the height in fresh food storage compartment.

3.3. Declared parameters and characteristics.

Table 1

Parameter	Value
1. Overall dimensions, mm:	
1.1. Height	1440 ₋₁₅
1.2. Width	560 ₋₁₀
1.3. Depth	600 ₋₁₀
1.4. Handle prominence (for refrigerators with fixed handles), mm, not more than	36
2. Total gross volume, dm ³	220 _{-6,6}
3. Gross volume of fresh food storage compartment, dm ³	174 _{-5,22}
4. Gross volume of low temperature compartment, dm ³	46 _{-1,38}
5. Total storage volume, dm ³	212 _{-6,26}
6. Storage volume of fresh food storage compartment, dm ³	166 _{-4,98}
7. Storage volume of low temperature compartment, dm ³	46 _{-1,38}
8. Storage shelf area, dm ²	100 _{-3,0}
9. Weight, kg,	45,0
10. Nominal freezing capacity, kg/24 h	2,0
11. Temperature rise time in freezing compartment at power break down, from storage temperature to	17,0
12. Temperature-energetic parameters:	
12.1. Temperature °C, not higher than:	
- in food freezer and frozen-food storage compartment	minus 18
- in fresh food storage compartment	plus 0 - 8
12.2. Nominal energy consumption at ambient temperature +25°C, kWh/24h	0,473
12.3. Energy efficiency class	A++
12.4. Nominal current, A	1,0
12.5. Nominal used power, W	130
12.6. Power of lighting bulb, W, not more	15,0
13. Noise emission value Lc, dB(A) re 1pW, not more	39

3.4. Compressors and characteristics

Table 2

Type of compressor	HXK70AA	HKK70AA	LR70CY1	TH1110Y	HYE69MSUI			
The manufacturer of	ACC/NIDEC	ACC/NIDEC	DONPER	HUAYI	HUAYI			
Working capacitor	3 µF	3 µF	3 µF	3 µF	3,5 µF			
Test item Id. No.	115/10	110/13	04/17	32/15	109/13			
Refrigerant	R600a	R600a	R600a	R600a	R600a			
Charge, g	44	43	41	43	43			
Climate class	ST	ST	ST	ST	ST			
Sn. No:	1501AAA	1501AAA	1501AAA	1501AAA	1501AAA			
Serial (ascribed) No.:	13205539	13443442	14142104	14183572	14132151			

3.5. Measured data

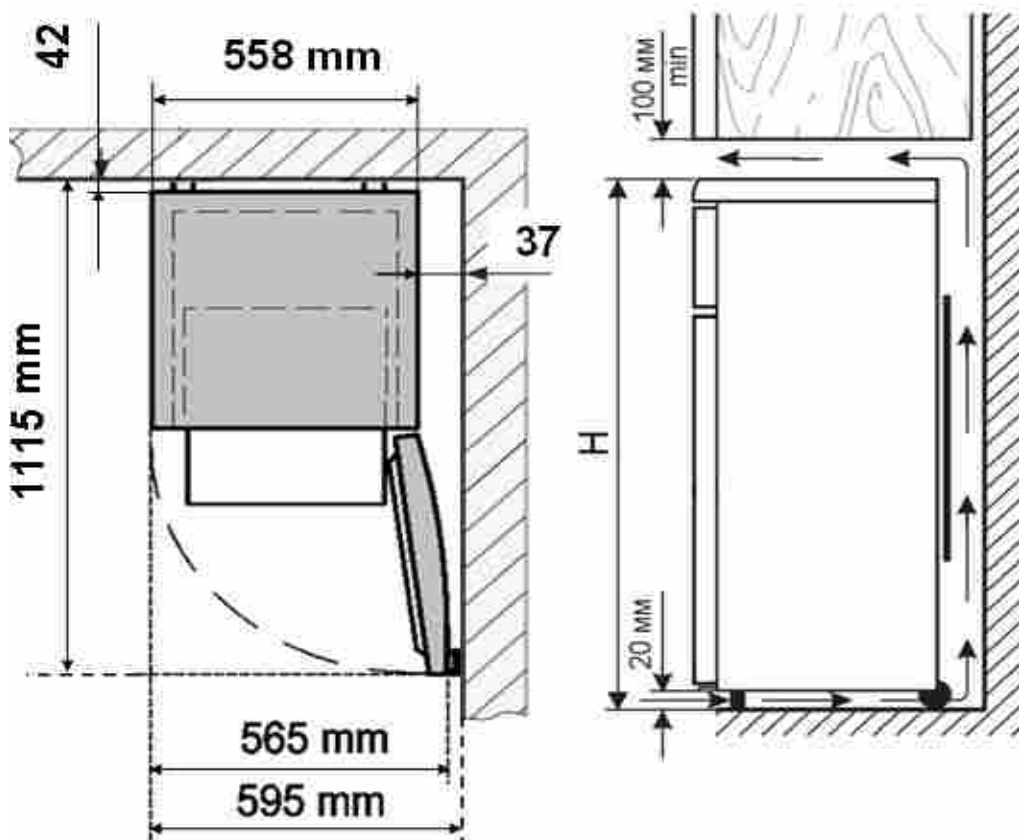
Table 3

Type of compressor	HXK70AA	HKK70AA	LR70CY1	TH1110Y	HYE69MSUI			
Fresh food volume	Annex A	Annex A	Annex A	Annex A	Annex A			
Frozen food volume	Annex A	Annex A	Annex A	Annex A	Annex A			
Storage temperatures	Annex B	Annex B	Annex B	Annex B	Annex B			
Energy consumption	Annex C	Annex C	Annex C	Annex C	Annex C			
Temperature rise time	Annex E	Annex E	Annex E	Annex E	Annex E			
Freezing test	Annex F	Annex F	Annex F	Annex F	Annex F			
Energy efficiency class	Annex H	Annex H	Annex H	Annex H	Annex H			

Annex A
Determination of linear dimensions, volumes and areas.

Clause	Measured parameter	Result	Verdict	
7.1	Overall dimensions	Height, mm	1439	PASS
		Width, mm	558	
		Depth, mm	600	
	Overall space required in use	Height, mm	1539	PASS
		Width, mm	595	
		Depth, mm	1115	
7.2	Total gross volume, dm ³	217,4	PASS	
	Rated total gross volume, dm ³	220		
	Deviation, % (dm ³)	-1,2 (2,6)		
	Storage volume of fresh food storage	Storage volume of fresh food storage	165,6	PASS
		Rated total storage volume of fresh food	166	
		Deviation, % (dm ³)	-0,3 (0,4)	
	Storage volume of food freezer and frozen-food storage compartment, dm ³	Storage volume of food freezer and frozen-food storage compartment, dm ³	45,8	PASS
		Rated storage volume of Storage volume of food freezer and frozen-food storage	46,0	
		Deviation, % (dm ³)	-0,5 (0,2)	
7.3	Storage shelf area, dm ²	98,5	PASS	
	Rated storage shelf area, dm ²	100		
	Deviation, % (dm ²)	-1,5 (1,5)		

Scheme of overall space required in use of the refrigerator example



Annex B

Storage temperatures

Type of compressor		HXK70AA	HKK70AA	LR70CY1	TH1110Y	HYE69MSUI	Required-Remark
38 °C	Setting of the thermostat	6,0	6,0	5,5	3,0	6,0	0, 1 - 7
	Ambient temperature t_a , °C	37,78	38,06	37,63	38,4	37,99	$(38 \pm 0,5) ^\circ\text{C}$
	Relative humidity RH, %	49,0	49,0	48,0	48,0	48,0	$\text{RH} \leq 75 \%$
	Fresh food storage temperature t_{1m} , °C	1,95	2,17	3,32	2,77	4,11	$0 \leq t_{1m}, t_{2m}, t_{3m} \leq +10$
	Fresh food storage temperature t_{2m} , °C	1,56	1,55	2,85	2,95	3,79	
	Fresh food storage temperature t_{3m} , °C	0,75	0,09	1,44	1,42	2,12	
	Fresh food storage temperature t_{ma} , °C	1,42	1,27	2,54	2,38	3,34	$t_{ma} \leq +4$
	Temp. of the warmest "M" package t^{***} , °C	-21,24	-20,24	-20,07	-19,81	-19,17	$t^{***} \leq -18$
	Percentage of running times, %	79,0	83,0	82,0	82,0	69,0	0-100 %
	Operation cycle, h	25,0	25,4	25,0	24,6	24,6	≥ 24
Temp. complying with requirements of EN 62552:2013	Yes	Yes	Yes	Yes	Yes		
32 °C	Setting of the thermostat	5,0	7	7,0	3	7	0, 1 - 7
	Ambient temperature t_a , °C	32,1	32,3	32,47	32,5	32,47	$(32 \pm 0,5) ^\circ\text{C}$
	Relative humidity RH, %	48,0	47,0	48,0	48,0	46,0	$\text{RH} \leq 75 \%$
	Fresh food storage temperature t_{1m} , °C	4,80	1,82	2,74	3,29	2,74	$0 ^\circ\text{C} \leq t_{1m}, t_{2m}, t_{3m} \leq +10^\circ\text{C}$
	Fresh food storage temperature t_{2m} , °C	4,72	1,36	2,57	3,54	2,57	
	Fresh food storage temperature t_{3m} , °C	3,77	0,07	1,04	1,84	1,04	
	Fresh food storage temperature t_{ma} , °C	4,43	1,08	2,12	2,89	2,12	$t_{ma} \leq +4^\circ\text{C}$
	Temp. of the warmest "M" package t^{***} , °C	-18,82	-20,00	-20,66	-19,53	-20,66	$t^{***} \leq -18^\circ\text{C}$
	Percentage of running times, %	49,0	65,0	61,0	60,0	61,0	0-100 %
	Operation cycle, h	24,5	24,5	24,9	24,0	24,9	≥ 24
Temp. complying with requirements of EN 62552:2013	Yes	Yes	Yes	Yes	Yes		
25 °C	Setting of the thermostat	6,5	6,0	7,0	3,0	7,0	0, 1 - 7
	Ambient temperature t_a , °C	24,91	25,18	25,15	25,47	25,5	$(25 \pm 0,5) ^\circ\text{C}$
	Relative humidity RH, %	49,0	48,0	49,0	49,0	50,0	$\text{RH} \leq 75 \%$
	Fresh food storage temperature t_{1m} , °C	2,52	3,81	2,68	3,91	3,33	$0 ^\circ\text{C} \leq t_{1m}, t_{2m}, t_{3m} \leq +10^\circ\text{C}$
	Fresh food storage temperature t_{2m} , °C	2,93	3,90	2,21	4,45	3,34	
	Fresh food storage temperature t_{3m} , °C	1,59	2,78	0,82	3,11	2,12	
	Fresh food storage temperature t_{ma} , °C	2,35	3,50	1,90	3,82	2,93	$t_{ma} \leq +4^\circ\text{C}$
	Temp. of the warmest "M" package t^{***} , °C	-20,41	-19,90	-19,60	-19,76	-20,94	$t^{***} \leq -18^\circ\text{C}$
	Percentage of running times, %	49,0	44,0	47,0	40,0	45,0	0-100 %
	Operation cycle, h	24,6	24,0	24,3	24,0	25,4	≥ 24
Temp. complying with requirements of EN 62552:2013	Yes	Yes	Yes	Yes	Yes		
16 °C	Setting of the thermostat	6,0	6,2	6,0	4,0	7,0	0, 1 - 7
	Ambient temperature t_a , °C	16,30	16,24	16,4	16,49	16,26	$(16 \pm 0,5) ^\circ\text{C}$
	Relative humidity RH, %	52,0	51,0	52,0	50,0	53,0	$\text{RH} \leq 75 \%$
	Fresh food storage temperature t_{1m} , °C	2,15	2,59	3,29	1,94	1,62	$0 ^\circ\text{C} \leq t_{1m}, t_{2m}, t_{3m} \leq +10^\circ\text{C}$
	Fresh food storage temperature t_{2m} , °C	2,33	2,62	3,36	2,59	1,76	
	Fresh food storage temperature t_{3m} , °C	1,77	1,66	2,61	1,64	0,91	
	Fresh food storage temperature t_{ma} , °C	2,08	2,29	3,09	2,06	1,43	$t_{ma} \leq +4^\circ\text{C}$
	Temp. of the warmest "M" package t^{***} , °C	-21,13	-20,12	-18,70	-21,35	-22,30	$t^{***} \leq -18^\circ\text{C}$
	Percentage of running times, %	30,0	31,0	24,0	30,0	31,0	0-100 %
	Operation cycle, h	24,5	24,9	24,5	24,5	24,3	≥ 24
Temp. complying with requirements of EN 62552:2013	Yes	Yes	Yes	Yes	Yes		

Annex C

Energy consumption test.

Type of compressor		HXK70AA	HKK70AA	LR70CY1	TH1110Y	HYE69MSUI	Required-Remark
25 °C	Setting of the thermostat	3,0	3,0	4,0	2,0	4,0	Of the positions 0, 1 - 7
	Ambient temperature t_a , °C	24,70	24,9	25,13	25,49	25,5	$t = 25^\circ\text{C} \pm 0,5 \text{ K}$
	Relative humidity RH, %	49,0	49,0	49,0	49,0	49,0	$\text{RH} \leq 75 \%$
	Fresh food storage temperature t_{1m} , °C	5,99	6,61	6,46	5,20	5,88	$0^\circ\text{C} \leq t_{1m}, t_{2m}, t_{3m} \leq +10^\circ\text{C}$
	Fresh food storage temperature t_{2m} , °C	6,15	6,56	6,17	5,83	5,94	
	Fresh food storage temperature t_{3m} , °C	5,59	5,51	5,40	4,70	5,01	
	Fresh food storage temperature t_{ma} , °C	5,91	6,23	6,01	5,24	5,61	$t_{ma} \leq +4^\circ\text{C}$
	Temp. of the warmest "M" package t^{***} , °C	-17,43	-16,32	-16,25	-18,57	-18,97	$t^{***} \leq -18^\circ\text{C}$
	Power consumption, W	51,66	50,83	59,45	63,15	53,1	
	Actual energy consumption P1, kWh/24h	0,425	0,426	0,412	0,496	0,496	
	Percentage of running times, %	31,00	32,00	31	35	36	0-100 %
	Operation cycle, h	24,60	24,30	24,9	24,0	24,1	≥ 24
**Corrected energy consumption, P_1^{corr} kWh/24h	0,431	0,428	0,410	0,485	0,483		
25 °C	Setting of the thermostat	4,5	5,0	4,0	3,0	5,0	Of the positions 0, 1 - 7
	Ambient temperature t_a , °C	24,68	24,9	25,04	25,47	25,48	$t = 25^\circ\text{C} \pm 0,5 \text{ K}$
	Relative humidity RH, %	49,0	49,0	49,0	49,0	48,0	$\text{RH} \leq 75 \%$
	Fresh food storage temperature t_{1m} , °C	5,44	5,56	4,98	3,91	5,29	$0^\circ\text{C} \leq t_{1m}, t_{2m}, t_{3m} \leq +10^\circ\text{C}$
	Fresh food storage temperature t_{2m} , °C	5,56	5,46	4,65	4,45	4,33	
	Fresh food storage temperature t_{3m} , °C	4,95	4,27	3,62	3,11	4,34	
	Fresh food storage temperature t_{ma} , °C	5,32	5,10	4,42	3,82	4,65	$t_{ma} \leq +4^\circ\text{C}$
	Temp. of the warmest "M" package t^{***} , °C	-18,13	-18,54	-18,48	-19,76	-19,62	$t^{***} \leq -18^\circ\text{C}$
	Power consumption, W	50,89	49,37	56,51	61,56	51,96	
	Actual energy consumption P1, kWh/24h	0,438	0,472	0,452	0,540	0,515	
	Percentage of running times, %	33	36,0	39	40	38	0-100 %
	Operation cycle, h	24,5	24,0	24,5	24,0	24,7	≥ 24
**Corrected energy consumption, P_1^{corr} kWh/24h	0,444	0,474	0,451	0,529	0,494		

Checking of actual energy consumption at standard conditions.

Type of compressor		HXK70AA	HKK70AA	LR70CY1	TH1110Y	HYE69MSUI	Required-Remark
25 °C	Setting of the thermostat	4,9	5,5	4,8	2,2	5,0	From pos. 0, 1 - 7
	Fresh food storage temperature t_m , °C	5,00	4,67	4,76	5,00	5,00	$t_m \leq +5^\circ\text{C}$
	Temperature of the warmest "M" package	-18,51	-18,00	-18,00	-18,77	-19,60	$t^{***} \leq -18^\circ\text{C}$
	Percentage of running times, %	34,0	38,0	35,0	36,0	38,0	0-100 %
	**Energy consumption P (AEc), kWh/24h	0,452	0,475	0,449	0,493	0,497	
	Energy consumption P (AEc), kWh/year	164,98	173,38	163,89	179,95	181,41	
	Rated energy consumption P (AEc), kWh/24h	0,473	0,473	0,473	0,473	0,473	173 kWh/year
Deviation of energy consumption P from rated, %	-4,4	0,4	-5,1	4,2	5,1	$\leq +10 \%$	
Complying with requirements of EN 62552:2013, item E. 2.3	Yes	Yes	Yes	Yes	Yes		

Note : ** Energy consumption P is determined by interpolation.

Annex D

Checking of storage temperatures and energy consumption of refrigerator FR240

Name of the place	Laying out scheme of the temperature measuring elements and loading			Structure of the loading (Pcs according to mass)			Total loading mass, kg
	Front view	Side view	Top view (In the freezing compartment)	1,0 kg	0,5 kg	0,125 kg	
On the shelf of the freezer compartment				9	4	0	11,0
Under the shelf of the freezer compartment				9	4	20	13,5
Storage compartment							
Total:				18	8	20	24,5

Conventional marking of the testing packages

- 1,0 kg

- 0,5 kg

- 0,125 kg

- M package

Annex E

Temperature rise test.

Ambient temperature and measured parameter		Result
25 °C	Temperature rise time from -18°C to -9°C, h	18,5
	Rated temperature rise time, h	17,0
	Deviation, %	-8,8
Complying with requirements EN 62552:2013, item E2.5		Yes

Annex F

Freezing test.

Ambient temperature and measured parameter		Rezult	Notes
25 °C	Setting of the thermostat	4	0, 1 - 7
	Ballast load, kg	13,5	
	Light load, kg	2	
	Freezing time, h	22,5	
	Highest temperature of fresh food storage t_{a1} , °C	3,9	< +7°C
	Fresh food storage temperature t_1 , °C	4,2	0 °C < t_1, t_2, t_3 < + 10°C
	Fresh food storage temperature t_2 , °C	4,3	
	Fresh food storage temperature t_3 , °C	3,3	
	Temperature of the warmest M package ballast load t_{MB1}^{***} , °C	-19,4	< -18°C
	Lowest temperature of fresh food storage t_{a2} , °C	0,9	0 °C < t_{a2} < +7°C
	Fresh food storage temperature t_1 , °C	2,1	0°C < t_1, t_2, t_3 < + 10°C
	Fresh food storage temperature t_2 , °C	1,1	
	Fresh food storage temperature t_3 , °C	0,2	
	Temperature of the warmest M package ballast load t_{MB2}^{***} , °C	-15,3	< -15°C
	Average temperature of the M packages light load t_{ML2}^{***} , °C	-18,0	< -18°C
	Freezing capacity, kg/24h	2,13	≥ 8 - 10 %
	Rated freezing capacity, kg/24h	2,0	
	Deviation, %	6,5	≥ - 10
Complying with requirements EN652552:2013, item E2.2		Yes	

Annex G

Checking of freezing capacity of refrigerator FR240

Laying out scheme of the temperature measuring elements and loading				Structure of the loading (Pcs. according to mass)			Total loading mass, kg
Name of the place	Front view	Side view	Top view (In the freezing compartment)	1,0 kg	0,5 kg	0,125 kg	
On the shelf of the freezer compartment			On the shelf of the freezer compartment 	0	4	0	2,0
Under the shelf of the freezer compartment				7	8	20	13,5
Storage compartment			Under the shelf of the freezer compartment 	0	3	0	1,5
Total:				7	15	20	17,0

Conventional marking of the testing packages

- Light load
- Ballast load:**
- 1,0 kg
- 0,5 kg
- 0,125 kg
- M package

Annex H
The Energy Efficiency Index.

Type of compressor		Declared parameters	HXK70AA		HKK70AA		LR70CY1		TH1110Y		HYE69MSUI	
			Measured values	Confirmed values	Measured values	Confirmed values	Measured values	Confirmed values	Measured values	Confirmed values	Measured values	Confirmed values
Refrigerator compartment	net volume (litre)	166	165,6	166	165,6	166	165,6	166	165,6	166	165,6	166
	design temperature (°C)	5	5	5	5	5	5	5	5	5	5	5
	value of W	1	1	1	1	1	1	1	1	1	1	1
	climate class (SN/N/ST/T)	ST	N	ST	N	ST	N	ST	N	ST	N	ST
	No-frost-comp. (yes/no)	no	no	no	no	no	no	no	no	no	no	no
	value FF	1	1	1	1	1	1	1	1	1	1	1
	value of CC	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1
	Built-in appliance (yes/no)	no	no	no	no	no	no	no	no	no	no	no
value of BI	1	1	1	1	1	1	1	1	1	1	1	
Freezer compartment	net volume (litre)	46,0	45,8	46,0	45,8	46,0	45,80	46,0	45,8	46,0	45,80	46,0
	design temperature (°C)	-18	-18	-18	-18	-18	-18	-18	-18	-18	-18	-18
	value of W	2,15	2,15	2,15	2,15	2,15	2,15	2,15	2,15	2,15	2,15	2,15
	climate class (SN/N/ST/T)	ST	N	ST	N	ST	N	ST	N	ST	N	ST
	No-frost-comp. (yes/no)	no	no	no	no	no	no	no	no	no	no	no
	value FF	1	1	1	1	1	1	1	1	1	1	1
	value of CC	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1	1,1
	Built-in appliance (yes/no)	no	no	no	no	no	no	no	no	no	no	no
value of BI	1	1	1	1	1	1	1	1	1	1	1	
adjusted net volume (litre)	212	211,4	212	211,4	212	211,4	212	211,4	212	211,4	212	
energy consumption/year (kWh/year)	173	164,98	173	173,38	173	163,89	173	179,95	173	181,41	173	
value of M	0,777	0,777	0,777	0,777	0,777	0,777	0,777	0,777	0,777	0,777	0,777	
value of N	303	303	303	303	303	303	303	303	303	303	303	
vol. of chill compartment ≥ 15 Liter (yes/no)	no	no	no	no	no	no	no	no	no	no	no	
value of CH (kWh/year)	0	0	0	0	0	0	0	0	0	0	0	
$SAEc = \left[\frac{W_{net} + W_{fz} + W_{ch}}{V_{net}} \right] \cdot 100$	291	290,48	291	290,477	291	290,48	291	290,477	291	290,48	291	
SAEc = Veq × M + N + CH (kWh/year)	529	528,70	529	529	529	528,70	529	529	529	528,70	529	
Energy efficiency index (according to 2003/66/EG)	32,7	31,2	32,7	32,8	32,7	31,0	32,7	34,0	32,7	34,3	32,7	
Energy efficiency class	A++	A++	A++	A++	A++	A++	A++	A++	A++	A++	A++	

Result: The calculated energy efficiency class based on measured and confirmed values, in accordance with regulation (EU) No 1060/2010, is class A++

Annex K

Conditions of test performing.

Ambient temperature: acc. to requirements of standard EN ISO 62552:2013
 Ambient temperature:
 Relative humidity: 45 - 75 % ;
 Mains voltage: 230 V ± 1 % ;
 Deviations of measured parameters:
 - temperature - ± 0,5 °C ;
 - electrical parameters - ± 1 % ;
 - linear dimensions - ± 1 mm ;

Used the test methods, requirements and control procedures:

Determination of linear dimensions, volumes and areas.

Test method	EC Regulation No.643/2009	
	EU Regulation No 1060/2010	
	EN 62552:2013	Clause 7
	EC Regulation No.643/2009	Annex V, table 1
Requirements, control procedure	EU Regulation No 1060/2010	Annex VII, table 1
	EN 62552:2013	Clause E.1
		Clause 6

Note: Scheme of measurement of overall space required in use of refrigerator - as shown in Annex A.

Testing of storage temperatures.

Test method	EC Regulation No.643/2009	
	EU Regulation No 1060/2010	
	EN 62552:2013	Clause 7
Requirements, control procedure	EC Regulation No.643/2009	Annex V, table 1
	EU Regulation No 1060/2010	Annex VII, table 1
	EN 62552:2013	Clause E.1
		Clause 6

Note: Scheme of thermocouple layout in refrigerator storage and freezing compartments - as shown in Annex D.

Energy consumption test.

Test method	EC Regulation No.643/2009	Annex IV
	EU Regulation No 1060/2010	Annex VIII
	EN 62552:2013	Clause15
Requirements, control procedure	EC Regulation No.643/2009	Annex V, table 1
	EU Regulation No 1060/2010	Annex VII, table 1
	EN 62552:2013	Clause E.2.3
		Clause15

Note: Scheme of thermocouple layout in refrigerator storage and freezing compartments - as shown in Annex D.

Continue of Annex K

Temperature rise test.

Test method	EC Regulation No.643/2009	Annex IV
	EU Regulation No 1060/2010	Annex VIII
	EN 62552:2013	Clause 16
Requirements, control procedure	EC Regulation No.643/2009	Annex V, table 1
	EU Regulation No 1060/2010	Annex VII, table 1
	EN 62552:2013	Clause E.2.5
		Clause 17

Note: Scheme of thermocouple layout in refrigerator storage and freezing compartments - as shown in Annex D.

Freezing test.

Test method	EC Regulation No.643/2009	Annex V
	EU Regulation No 1060/2010	Annex VII
	EN 62552:2013	Clause 17
Requirements, control procedure	EC Regulation No.643/2009	Annex V, table 1
	EU Regulation No 1060/2010	Annex VII, table 1
	EN 62552:2013	Clause E.2.2
		Clause 17

Note: Scheme of thermocouple layout in refrigerator storage and freezing compartments - as shown in Annex G.

List of measuring instruments and equipment.

No.	Inv. No., (psc.)	Name	Type	Tolerance	Accuracy
1	37	Ruler	0 - 1000 mm	Not indicated	± 1,0 mm
2	108	Tape-measure	5 m	Not indicated	± 2,0 mm
3	78	Sliding	0 - 150 mm	± 0,1 mm	± 0,1 mm
4	96967	Computer-aided test system "Snelta 96E29"	Power	± 1,0 W	± 1,0 W
			Voltage	± 1,0 V	± 1,0 V
			Current	± 0,1 A	± 0,1 A
			Watt-hour meter	± 1 % (1 Wh)	± 1 %
5	2 psc.	Thermocouple with brass cylinder	Type T	± 0,3 K	± 0,5 K
6	12 psc.	M-package 500g with thermocouple	Type T	± 0,3 K	± 0,5 K