

Informacije o proizvodu (EN)

BEKO zamrzivač RFNE200E30WN

The Beko logo is displayed in a bold, blue, sans-serif font. Below the text, there is a thick, blue, diagonal brushstroke that starts under the 'b' and extends towards the right.

Tehnoteka je online destinacija za upoređivanje cena i karakteristika bele tehnike, potrošačke elektronike i IT uređaja kod trgovinskih lanaca i internet prodavnica u Srbiji. Naša stranica vam omogućava da istražite najnovije informacije, detaljne karakteristike i konkurentne cene proizvoda.

Posetite nas i uživajte u ekskluzivnom iskustvu pametne kupovine klikom na link:

<https://tehnoteka.rs/p/beko-zamrzivac-rfne200e30wn-akcija-cena/>

PRODUCT INFORMATION SHEET

Supplier's name or trade mark (b),(d) :		Beko			
Supplier's address (b),(d) :		Arctic S.A Gaesti, Dambovita, 13 Decembrie Street, No 210, Romania			
Model identifier (d) :		RFNE200E30WN			
Type of refrigerating appliance:					
Low-noise appliance:		NO	Design type:		Free-Standing
Wine storage appliance:		NO	Other refrigerating appliance:		YES
General product parameters:					
Parameter		Value	Parameter		Value
Overall dimensions (millimetre)	Height	1457	Total volume (dm ³ or l)		177
	Width	540	Energy efficiency class		F
	Depth	575	Airborne acoustical noise emission class		C
EEI		125	Climate class:		Extended temperate / Tropical
Airborne acoustical noise emissions (dB(A) re 1 pW)		39			
Annual energy consumption (kWh/a)		266			
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) These settings shall not contradict the storage conditions set out in Annex IV, Table 3	Freezing capacity (kg/24 h)	Defrosting type (auto-defrost=A, manual defrost=M)
Pantry	NO	-	-	-	-
Wine storage	NO	-	-	-	-
Cellar	NO	-	-	-	-
Fresh food	NO	-	-	-	-
Chill	NO	-	-	-	-
0-star or ice- making	NO	-	-	-	-
1-star	NO	-	-	-	-
2-star	NO	-	-	-	-
3-star	NO	-	-	-	-
4-star	YES	177,0	-18	10,0	A
2-star section	NO	-	-	-	-
Variable temperature compartment	NO	-	-	-	-
For 4-star compartments					
Fast freeze facility		YES			
For wine storage appliances					
Number of standard wine bottles		-			
Light source parameters (a) (b):					
Type of light source		NA			
Energy efficiency class		NA			
Minimum duration of the guarantee offered by the manufacturer (b),(d) :		24 Months			
Additional information (b),(d) :					
Weblink to the manufacturer's website, where the information in point 4(a) Annex of Commission Regulation (EU) 2019/2019 (1) (b) is found:					
http://support.beko.com					
(a) as determined in accordance with Commission Delegated Regulation (EU) 2019/2015 (2). (b) changes to this item shall not be considered relevant for the purposes of point 4 of Article 4 of Regulation (EU) 2017/1369. (d) this item shall not be considered relevant for the purpose of Article 2(6) of Regulation (EU) 2017/1369.					

TECHNICAL DOCUMENTATION

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

Brand name Beko
 Model identifier (d) : RFNE200E30WN

Product specifications:

General product specifications:

Parameter	Value	Parameter	Value
Annual energy consumption (kWh/a)	266,00	EI (%)	124,6
Standard annual energy consumption (kWh/a)	213,13	Combi parameter	1,00
Temperature rise time (h)	9,00	Load factor	0,9
Door heat loss factor	1,000	Climate class:	Extended temperate / Tropical
Anti-condensation heater type	None	Airborne acoustical noise emissions (dB(A) re 1 pW)	39

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

Parameter	Value
Daily energy consumption at 32 °C (kWh/24h)	0,874

Additional product specifications for low noise refrigerating appliances:

Parameter	Value
Daily energy consumption at 25 °C (kWh/24h)	-

Additional product specifications for wine storage appliances

Parameter	Value	Parameter	Value
Internal humidity (%)	-	Number of bottles	-

Compartment specifications:

Compartment type	Compartment parameters and values							
	Target temperature (°C)	Compartment Volume (dm ³ or l)	Freezing capacity (kg/24 h)	Thermodynamic parameter (rc)	Nc	Mc	Defrost factor (Ac)	Built-in factor (Bc)
Pantry	-	-	-	-	-	-	-	-
Wine storage	-	-	-	-	-	-	-	-
Cellar	-	-	-	-	-	-	-	-
Fresh food	-	-	-	-	-	-	-	-
Chill	-	-	-	-	-	-	-	-
0-star or ice- making	-	-	-	-	-	-	-	-
1-star	-	-	-	-	-	-	-	-
2-star	-	-	-	-	-	-	-	-
3-star	-	-	-	-	-	-	-	-
4-star	-18	177,0	10,0	2,10	138	0,15	1,10	1,00
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]		-						
The sum of the volumes of the frozen compartment(s) [l or dm ³]		177						

Additional information (b),(d) :

The references of the harmonised standards or other reliable accurate and reproducible methods applied: EN 62552-1:2020, EN 62552-2:2020, EN 62552-3:2020, EN60704-2-14:2019

Calculations

Annual energy consumption (kWh/a) , T average (°C) :

$$E_{\text{daily}} = P \times 24 + \frac{\Delta E_{df} \times 24}{\Delta t_{df}} \quad (2)$$

Where

E_{daily} is the energy in Wh over a period of 24 h

24 is h/d

P is the **steady state** power in watt for the selected **temperature control setting** as per Annex B.

ΔE_{df} is the representative incremental energy for **defrost and recovery** in Wh in accordance with Annex C (see C.5).

Δt_{df} is the estimated **defrost interval** in hours in accordance with Annex D.

Where there are additional defrost systems (each with its own **defrost control cycle**), the value of term based on ΔE_{df} and Δt_{df} is also added in Formula (2) for each additional defrost system.

$$T_{\text{average}} = T_{ss} + \frac{\Delta T h_{df}}{\Delta t_{df}} \quad (3)$$

Note : EN 60552-3:2020 , 6.8.2 clause, Equation 2-3 ,

Annual Energy , Daily energy consumption at 16 °C/ 32°C (kWh/24h) :

$$AE = 365 \times E_{\text{daily}}/L + E_{\text{aux}} \quad E_{\text{daily}} = 0,5 \times (E_{16} + E_{32})$$

Note : EN 60552-3:2020 , 6.8.2 clause, Equation 4,(EU) 2019/2019 Ecodesign Requirements Directive

Standard annual energy consumption (kWh/a)

SAE, expressed in kWh/a and rounded to two decimal places, is calculated as follows:

$$SAE = C \times D \times \sum_{c=1}^n A_c \times B_c \times [V_c/V] \times (N_c + V \times r_c \times M_c)$$

The modelling parameters are set out in Table 4.

Table 4

The values of the modelling parameters per compartment type

Compartment type	r_c (°)	N_c	M_c	C
Pantry	0,35			
Wine storage	0,60	75	0,12	between 1,15 and 1,56 for combi appliances with 3- or 4-star compartments (°), 1,15 for other combi appliances, 1,00 for other refrigerating appliances
Cellar	0,60			
Fresh food	1,00			
Chill	1,10	138	0,12	
0-star & ice-making	1,20	138	0,15	
1-star	1,50			
2-star	1,80			
3-star	2,10			
Freezer (4-star)	2,10			

(°) $r_c = (T_c - T_s)/20$; with $T_s = 24^\circ\text{C}$ and T_c with values as set out in Table 3.

(°) C for combi appliances with 3- or 4-star compartments is determined as follows:
 where fr_{df} is the 3- or 4-star compartment volume V_p as a fraction of V with $fr_{df} = V_p/V$:
 — if $fr_{df} \leq 0,3$ then $C = 1,3 + 0,87 \times fr_{df}$;
 — else if $0,3 < fr_{df} < 0,7$ then $C = 1,87 - 1,0275 \times fr_{df}$;
 — else $C = 1,15$.

The compensation factors are set out in Table 5.

Table 5

The values of the compensation factors per compartment type

Compartment type	A _c		B _c		D			
	Manual defrost	Auto-defrost	Freestanding appliance	Built-in appliance	≤ 2 (*)	3 (*)	4 (*)	> 4 (*)
Pantry	1,00		1,00	1,02	1,00	1,02	1,035	1,05
Wine storage								
Cellar								
Fresh food								
Chill				1,03				
0-star & ice-making	1,00	1,10	1,00	1,05	1,00	1,02	1,035	1,05
1-star								
2-star								
3-star								
Freezer (4-star)								

(*) number of external doors or compartments, whichever is lowest.

Note : (EU) 2019/2019 Ecodesign Requirements Directive, Clause 5, Table 4-5

5. Determination of the EEI:

EEI, expressed in % and rounded to the first decimal place, calculated as:

$$EEI = AE/SAE.$$

Note : (EU) 2019/2019 Ecodesign Requirements Directive, Clause 5

Auxiliary energy (kWh/a)

$$W_{heaters} = \left[\sum_{i=1}^k (R_i \times P_{H_i}) \right] \times 1,3 \quad (40)$$

Table F.1 — Format for temperature and humidity data – Ambient controlled anti-condensation heaters

Relative Humidity	RH band mid-point	Probability R _i at 16 °C	Probability R _i at 22 °C	Probability R _i at 32 °C	Heater W at 16 °C	Heater W at 22 °C	Heater W at 32 °C
0 to 10 %	5 %	0,00 %	0,00 %	0,34 %	P _{H1}	P _{H11}	P _{H21}
10 to 20 %	15 %	0,61 %	6,86 %	2,01 %	P _{H2}	P _{H12}	P _{H22}
20 to 30 %	25 %	3,11 %	14,57 %	1,61 %	P _{H3}	P _{H13}	P _{H23}
30 to 40 %	35 %	5,03 %	14,83 %	0,86 %	P _{H4}	P _{H14}	P _{H24}
40 to 50 %	45 %	5,09 %	11,67 %	0,18 %	P _{H5}	P _{H15}	P _{H25}
50 to 60 %	55 %	4,67 %	8,31 %	0,01 %	P _{H6}	P _{H16}	P _{H26}
60 to 70 %	65 %	3,39 %	5,54 %	0,00 %	P _{H7}	P _{H17}	P _{H27}
70 to 80 %	75 %	3,17 %	2,51 %	0,00 %	P _{H8}	P _{H18}	P _{H28}
80 to 90 %	85 %	2,85 %	0,66 %	0,00 %	P _{H9}	P _{H19}	P _{H29}
90 to 100 %	95 %	2,05 %	0,07 %	0,00 %	P _{H10}	P _{H20}	P _{H30}

Incremental defrost and recovery energy consumption at 16 /32 °C (Wh)

$$\Delta E_{df} = (E_{end-F} - E_{start-D}) - \frac{(P_{SS-D} + P_{SS-F})}{2} \times (t_{end-F} - t_{start-D}) \quad (19)$$

$$\Delta E_{df} = \frac{\sum_{j=1}^m \Delta E_{df}}{m} \quad (22)$$

Note : EN 62552-3:2020 Annex C, Clause C.3.3, Equation 19-22

Defrost interval at 16 /32 °C (h)

for Compressor Run Time Defrost Controller

$$\Delta t_{df} = \frac{\Delta t_{rt} - \Delta t_{dr} - \Delta t_{dh}}{CRt_{SS}} + \Delta t_{dxy} \quad (26)$$

for Variable Defrost Controller

$$\Delta t_{df32} = \frac{\Delta t_{d-max} \times \Delta t_{d-min}}{[0.2 \times (\Delta t_{d-max} - \Delta t_{d-min}) + \Delta t_{d-min}]} \quad (27)$$

$$\Delta t_{df16} = 2 \times \Delta t_{df32}$$

Note : EN 62552-3:2020, Annex D, Equation 26-27

Ovaj dokument je originalno proizveden i objavljen od strane proizvođača, brenda Beko, i preuzet je sa njihove zvanične stranice. S obzirom na ovu činjenicu, Tehnoteka ističe da ne preuzima odgovornost za tačnost, celovitost ili pouzdanost informacija, podataka, mišljenja, saveta ili izjava sadržanih u ovom dokumentu.

Napominjemo da Tehnoteka nema ovlašćenje da izvrši bilo kakve izmene ili dopune na ovom dokumentu, stoga nismo odgovorni za eventualne greške, propuste ili netačnosti koje se mogu naći unutar njega. Tehnoteka ne odgovara za štetu nanесenu korisnicima pri upotrebi netačnih podataka. Ukoliko imate dodatna pitanja o proizvodu, ljubazno vas molimo da kontaktirate direktno proizvođača kako biste dobili sve detaljne informacije.

Za najnovije informacije o ceni, dostupnim akcijama i tehničkim karakteristikama proizvoda koji se pominje u ovom dokumentu, molimo posetite našu stranicu klikom na sledeći link:

<https://tehnoteka.rs/p/beko-zamrzivac-rfne200e30wn-akcija-cena/>