

Product Technical Documentation					
Report N°	CT20231205113A11004	Date:	21/02/2024	Model:	RF500QNUX1
Test Report - Household Refrigeration Appliance	Testing Institute:			Supplier	25 Hebert Place - D02 AY86 Dublin - Ireland
	Fisher & Paykel Appliances				Eurolink Europe Compliance Ltd
Requirements from BS EN 62552:2020 (part 1, 2 and 3) and 2019/2019/EU, 2019/2016/EU, 2019/2015/EU	Approved by:	Refrigeration Lab		Tested by:	Refrigeration Lab
	Chen Lu			Zheng Hao	

Type of refrigerating appliance:	Refrigerator-freezer		Energy Efficiency class:	E
Design type:	Freestanding		Energy efficiency index EEI[%]:	100%
Low-noise appliance:	No		Standard annual energy consumption-SAE [kWh/a]:	300.71
Wine storage appliance:	No		Climate class:	SN-N-ST
Other refrigerating appliance:	Yes		Minimum ambient temperature [°C]:	10
Number of external doors:	4		Maximum ambient temperature [°C]:	38
Winter setting:	No		Combi parameter:	1.51
Fast freezer facility:	Yes		Load factor:	1.0
Anti-condensation heater type:	Ambient		Door heat loss factor:	1.000
Min and max possible defrost interval	8h and 72h			

Lighting technology used:	LED	Energy efficiency class:	G
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Overall dimensions [mm]	Height	1790	Total volume [L]:		Wine coolers		Rated	Tested
	Width	790	Measured	Rated	Bottle capacity [pcs]:		N/A	N/A
	Depth	688	489.0	489	Temperature fluctuation test passed?			N/A
					Relative humidity test passed?			N/A

Product Configuration Tested - Parameters - Test Results														
Compartment			Defrosting type	Star rating	Volume [L]	Target temp [°C]	Freezing [kg/24h]		Temp rise [h]	Compartment Parameters				
N#	Variable Temperature	Type					Rated	Passed?	Tested	r <sub>c</sub>	N <sub>c</sub>	M <sub>c</sub>	A <sub>c</sub>	B <sub>c</sub>
1	No	Fresh Food	Auto	N/A	320.0	4	N/A	N/A	N/A	1.00	75.00	0.12	1.00	1.00
2	No	4-star	Auto	4-star	169.0	-18	10.0	Yes	11.5	2.10	138.00	0.15	1.10	1.00
							10.0	Overall Rated	11.0					

Compartment		
N#	Variable Temperature	Compartment Types
1	No	Fresh-Food
2	No	4-star

Energy Consumption	16°C	32°C
	Tested	Tested
Incremental defrost & recovery energy consumption $\Delta E_{df}$ [Wh]:	90.40	99.00
Defrost interval $\Delta t_{df}$ [h]:	55.4	27.7
Energy consumption E [kWh/24h]	0.454	1.128
Energy consumption E <sub>16,32</sub> [kWh/24h]	0.791	
Auxiliary energy consumption [kWh/24h]	0.031	
Wi-Fi Energy consumption [kWh/24h]	Tested	
Total Energy consumption E <sub>16,32</sub> [kWh/24h]	0.821	

Annual energy consumption (AE) [kWh/annual]	Tested	Rated
	299.73	300
	Passed?	
		Yes

Other performance characteristics	Rated
Noise emission [dB(A)]	40
Noise emission class	C
Ice-making capacity [kg/24h]	---
Circumvention	Case
Circumvention measures suspected?	No
Tests carried out to evaluate possible devices?	No
Wi-Fi	Case
Does the product have the Wi-Fi module?	Yes
Is the Wi-Fi energy consumption included in the AE? (connected state: not communicating and/or data exchanging)	Yes
Bluetooth	Case
Does the product have Bluetooth?	No
Is the Bluetooth energy consumption included in the AE?	N/A

Company website:	<a href="https://www.fisherpaykel.com">https://www.fisherpaykel.com</a>
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Additional information:	
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\*Minimum/Maximum ambient temperature [°C] for which the refrigerating appliance is suitable.