



a **TECNIPLAST** company

Technical Data Sheet

Biomedical Refrigerator/Freezer +4°C/-30°C



MANUFACTURER

KW Apparecchi Scientifici S.r.l.

Via della Resistenza 119 - 53035 Monteriggioni (SI) - Italy

MODEL

KRFDS 2711

Biomedical refrigerator/freezer +4°C/-30°C

HS Code

84185090

TECHNICAL CHARACTERISTICS

Refrigerator Net Storage Volume	240 lt
Freezer Net Storage Volume	121 lt
Refrigerator T Range	0°C / +15°C
Freezer T Range	-5°C/-30°C
Ambient Operating Temperature	+10°C / +35°C, 60% RH
Power Supply	230V ±10% - 50Hz
Max Absorbed Power	345 W
Daily Energy Consumption	1,8 kWh / 24h
Heat Emission	367 kJ/h
Noise Level	< 45 dB


STRUCTURE

Internal Surface	Thermoformed ABS	Adjustable Wire Shelves (Refrigerator)	n°4 in PVC-coated steel (max load 35 kg each)
External Surface	Galvanized steel with anti-bacteria coating	Pull-out Drawers (Freezer)	n°3 in transparent ABS
External Dimensions	W 601 x D 618 x H 2003 mm	Insulation	60 mm (CFC-free high density PUR foam)
Refrigerator Internal Dimensions	W 490 x D 440 x H 1110 mm	Standard Equipment	n°2 rear rollers / + n°2 front adjustable feet
Freezer Internal Dimensions	W 470 x D 430 x H 600 mm		n°2 Internal/External portholes (Ø 15 mm each)
Weight	83 kg	(n°2) Door Type	Solid type
Shipping Size (with wooden crate)	W 800 x D 850 x H 2300 mm		Key-lock system (n°2 keys provided)
	160 kg		Self closing with opening angle <90°
Int/Ext Edges	Rounded for easy cleaning	Door Sealing	Magnetic silicone gaskets

REFRIGERATION SYSTEM

Refrigerator Cooling System	Forced air circulation
Freezer Cooling System	Static cooling
Refrigerant Gas	R600a
Condensing System	Two separate cooling circuits with two compressors for constant maintenance and uniform distribution of the temperature for both compartments
Refrigerator Defrost System	Automatic, with automatic evaporation of condensation water
Freezer Defrost System	Manual

DIGITAL CONTROL SYSTEM

Double Independent Display		
	Electronic control with double external digital display (n°1 for each compartment)	
Temperature Regulation Accuracy	± 0.1°C	
Functions	Real-time display of the internal temperature of both compartments	
	Menu navigation using keys for parameter modification/visualization	
Connectivity	Remote alarm contacts	RS485 interface
Main Alarms List (Audio/Visual)	Door open	High/Low temperature (freely settable limits by the user)
	Power failure (activation when mains power returns)	

OPTIONAL ACCESSORIES AVAILABLE ON REQUEST

Additional wire shelf in PVC-coated steel (ONLY for refrigerator compartment)	Power voltage stabilizer
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