



MANUFACTURER

KW Aparecchi Scientifici S.r.l.
Via della Resistenza 119 - 53035 Monteriggioni (SI) - Italy

MODEL

KLAB RF700CC HTS
Laboratory/Pharmacy Refrigerator/Freezer +4°C/-20°C
HS Code 84185090

TECHNICAL CHARACTERISTICS

Refrigerator Net Storage Volume	273 lt
Freezer Net Storage Volume	273 lt
Refrigerator T Range	+2°C / +8°C
Freezer T Range	-10°C/-22°C
Ambient Operating Temperature	+10°C / +35°C, 60% RH
Power Supply	230V ± 10% - 50Hz
Max Absorbed Power	1100 W
Daily Energy Consumption	6,20 kWh/24h
Noise Level	< 45 dB


STRUCTURE

Internal Surface	AISI 304 stainless steel	Adjustable Wire Shelves (Refrigerator)	n°2 in coated steel (max load 35 kg each)
External Surface	Galvanized pre-painted steel sheet	Adjustable Wire Shelves (Freezer)	n°2 in coated steel (max load 35 kg each)
External Dimensions	W 710 x D 800 x H 2030 mm	(n°2) Door Type	One wing, solid type
Compartments Internal Dimensions	W 590 x D 670 x H 690 mm		Self closing with opening angle < 90°
Weight	150 kg		Key-lock system
Shipping Size (with wooden crate)	W 1000 x D 1000 x H 2400 mm	Door Sealing	Magnetic silicone gaskets
	190 kg	Standard Equipment	Auto shutdown of the fan whit door open
Int/Ext Edges	Rounded for easy cleaning		Internal automatic LED light for both compartments
Insulation	60 mm (High density PUR foam)		n°4 pivoting wheels (n°2 with brakes)

REFRIGERATION SYSTEM

Cooling System	Forced-air cooling for excellent internal temperature uniformity
Refrigerant Gas	R455a
Condensing System	n°2 independent hermetic compressor (n°1 for each compartment), with air condensation
Defrost	Automatic, with automatic evaporation of condensation water for both compartments

DIGITAL CONTROL SYSTEM

HTS (Microprocessor Technology)		
Controller/Display	Digital microprocessor controller with 5" touch screen display n°2 microprocessor controller (n°1 for each compartment) - n°1 single touch screen display	
Thermal Probes	n°2 RTD Pt 100 probe + n°2 NTC probe	
T regulation Accuracy	± 0.1°C	
Data Recording Format	.dat (PC software is provided to modify and export the downloaded data)	
Available Languages	Italian / English / German / French / Spanish / Danish / Croatian / Polish / Turkish	
Access Control	Access to controller functions via safety password (2-level security)	
Special Functions	Real-time temperature graph on display	
	The main screen displays the T Set Point value, high/low temperature limits, battey level, date and time	
	Internal memory (built-in 4GB SD card) with data logger function (Automatic recording of temperatures and alarms data > 10 years)	
	Data history menu for consultation and selection of temperature data records, events and alarms of the device	
	Back-up battery with self-charging circuit (36 hours autonomy in case of power failure)	
Connectivity	USB port	Dry contacts for remote alarms
Alarm List (Audio/Visual)	Power failure	Temperature probes failure
	High/Low temperature (freely settable limits by the user)	Back-up battery failure / low charge
	Door open	Thermal protection warning
	High pressure in condensation	High compressor usage warning
	High temperature in condensation	Dirty condenser

OPTIONAL ACCESSORIES AVAILABLE ON REQUEST

External surface in AISI 304 stainless steel (cod. KLAB RF700CCX HTS)	Power voltage stabilizer
Additional adjustable wire shelf in coated steel	GSM module with SIM card bridge
Pull-out drawer in AISI 304 stainless steel (max n°3+3)	RJ45 port for LAN connection (TCP/IP Modbus) to BMS/SCADA and remote monitoring
Internal/External pass through hole Ø 25 mm (n°1 for each compartment)	Wi-Fi kit (TCP/IP Modbus) for connection to BMS/SCADA and remote monitoring
Double track weekly cycle chart recorder (n°52 spare disks included)	