

**MANUFACTURER**

KW Apparecchi Scientifici S.r.l.

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

MODEL

KLAB R700C HTSE

Laboratory/Pharmacy refrigerator +5°C

HS Code

84185090

TECHNICAL CHARACTERISTICS**Net Storage Volume**

600 lt

Temperature Range

+2°C / +8°C

T Set Point

+5°C

T Uniformity

± 3°C

Ambient Operating Temperature

+10°C/+35°C, 60% RH

Power Supply

230V ± 10% - 50Hz

Max Absorbed Power

385 W

Daily Energy Consumption

4,16 kWh / 24h

Noise Level

< 42 dB


STRUCTURE

Internal Surface	AISI 304 Stainless Steel	Standard Adjustable Wire Shelves	n°3 in coated steel (max load 35 kg each)
External Surface	Pre-painted galvanized steel sheet	Door Type	Solid type, with integrated groove handle
External Dimensions	W 710 x D 800 x H 2030 mm		Key-lock system
Internal Dimensions	W 590 x D 670 x H 1510 mm		Self closing with opening angle <90°
Weight	150 kg	Door Sealing	Magnetic silicone gasket
Shipping Size (with wooden crate)	W 950 x D 1000 x 2400 mm	Standard Equipment	Auto shutdown of the fan whit door open
	235 kg		n°4 pivoting wheels (n°2 with brakes)
Int/Ext Edges	Rounded for easy cleaning		Int/Ext pass-through hole (Ø25 mm)
Insulation	60 mm (CFC-free high density PUR foam)		Internal automatic LED light

REFRIGERATION SYSTEM

Cooling System	Ventilated refrigeration for excellent internal temperature uniformity
Refrigerant Gas	R455a
Condensing System	Hermetic compressor, with air condensation
Defrost	Automatic, with automatic evaporation of condensation water

DIGITAL CONTROL SYSTEM

HTSE (Microprocessor Technology)		
Display	Microprocessor controller with a capacitive 5" touch screen display	
Thermal Probes	n°2 Pt1000	
T regulation accuracy	± 0.1°C	
Data Recording Format	.dat (PC software is provided to modify and export the downloaded data)	
Access Control	Access to controller functions via safety password	
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	
	Data logger function (Automatic recording of temperatures and alarms data > 5 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)	
	Safety thermostat with anti-freezing function to block the descent of inner T < +2°C	
	Safety thermostat with anti-heating function to block the rise of inner T > +8°C	
Connectivity	In-built power stabilizer with linear voltage regulation (±20 Volts)	
	USB port	Dry contacts for remote alarms
Main Alarms List (Audio/Visual)	RS-485 Modbus serial interface	
	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 R700CX HTSE)	Temperature probe enclosed in a bottle with glycol
Insulation thickness 80 mm (CFC-free high density PUR foam)	Weekly cycle chart disk recorder (n°52 spare paper disks included)
Additional adjustable wire shelf in coated steel (max n°7)	Power voltage stabilizer
Pull-out drawer in AISI 304 st. st. with front panel in stainless steel (max n°7)	Wi-Fi module (Modbus TCP/IP) which enables remote management and monitoring
Pull-out drawer in AISI 304 st. st. with front panel in plexiglass (max n°7)	