KW APPARECCHI SCIENTIFICI

Technical Data Sheet

Refrigerator/Freezer +4°C/-20°C

MANUFACTURER
KW Apparecchi Scientifici S.r.l.
Via della Resistenza 119 - 53035 Monteriggioni (SI) - Italy
MODEL
KLAB RF700CC HTS
Upright refrigerator/freezer

TECHNICAL CHARACTERISTICS	
Refrigerator Volume	350 lt
Freezer Volume	350 lt
Refrigerator T Range	0°C / +15°C
Freezer T Range	-10°C/-22°C
Ambient Temperature	+10°C / +32°C
Power Supply	220/230V - 50/60Hz
Power Consumption	max 750 W
Noise Level	< 48 dB

STRUCTURE			
Internal Surface	AISI 304 stainless steel	Shelves	n°2+2 adjustable grids, in chromed steel
External Surface	White pre-painted steel sheet	(n°2) Door Type	One wing, solid type key-lockable
External Dimensions	71 W x 80 D x 203 H cm		Self closing with opening angle <90°
Internal Dimensions	59 W x 67 D x 69 H cm (each)	Door Sealing	Magnetic silicone gaskets
Weight	120 kg	Standard Equipment	Auto shutdown of the fan whit door open
Shipping Size (with wooden crate)	100 W x 100 D x 235 H cm		Internal LED light
	190 kg		n°4 pivoting wheels kit (n°2 with brakes)
Int/Ext corners	Rounded for easy cleaning		Internal/external pass-through hole (n°1 for each compartment)
Insulation	High density PUR foam (60 mm)		

REFRIGERATION SYSTEM	
Cooling System	Ventilated refrigeration for excellent internal temperature uniformity
Refrigerant Gas	R290
Condensing System	n°2 indipendent hermetic compressor (n°1 for each comparment), with air condensation
Defrost	Automatic, with automatic evaporation of condensation water for both compartments

DIGITAL CONTROL SYSTEM		
HTS (High Technology System)		
Display	Display Touch-Screen TFT 5" electronic controller with Microprocessor technology	
T regulation accuracy	± 0.1°C	
Available Languages	Italian / English / French / Spanish / German	
Data Recording Format	CSV (Excel)	
Access Control	Access to controller functions via safety password	
Maintenance	Possibility to connect remotely via IP address	
Special Functions	Real-time temperature graph on display	
	Disaster recovery (the freezer continues to run even in the event of a CPU failure)	
	Safety control (the freezer continues to operate even if the control probe breaks)	
	Environmental adaptability (separate management of the condenser fans)	
	Key test (The user can simulate alarm conditions by simply pressing a button)	
	Data logger function (Automatic recording of temperatures and alarms data)	
Connectivity	USB port	Dry contacts for remote alarms
	SD Card port	
Alarm List (Audio/Visual)	Min/Max Temperature	Faulty probes
	Power failure alarm	Compressor alarm
	Door open	High T in condensation
	High condenser pressure	Dirty condenser
	Battery Failure	

OPTIONAL ACCESSORIES AVAILABLE ON REQUEST	
Additional grid shelves in chromed steel	Double track weekly cycle chart recorder (n°52 spare disks included)
Pull-out drawer, in AISI 304 stainless steel	GSM module with SIM card bridge
Internal dividers kit in transparent ABS for drawers	Electric lock for door opening through PIN/Transponder
Internal dividers kit in AISI 304 S.S. for drawers	Ethernet expansion module
Additional RTD Pt 100 probe	Wi-Fi router
Additional RTD Pt 100 probe with 4-20mA converter	External surface in AISI 304 stainless steel