Technical Data Sheet
Freezer -30°C

KW APPARECCHI SCIENTIFICI

MANUFACTURER	
KW Apparecchi Scientifici S.r.l.	
Via della Resistenza 119 - 53035 Monteriggioni (SI) - Italy	
MODEL	
KFS 600S HTS	
Upright freezer	
TECHNICAL CHARACTERISTICS	
Storage Volume	600 lt
Temperature Range	-18°C / -30°C
Climate Class	N
Power Supply	230V / 50Hz
Power Consumption	max 600 W
Noise Level	< 52 dB

STRUCTURE

Internal Surface	AISI 304 Stainless Steel	Shelves	n°5 in chromed steel + base
External Surface	White pre-painted steel sheet		One wing, solid type, with key-lock
External Dimensions	73 W x 95 D x 215 H cm	Door Type	Self-closing system with <90° opening
Internal Dimensions	55 W x 76 D x 151 H cm		Key-locking system
Weight	185 kg		Reversible
Shipping Size (with wooden crate)	90 W x 115 D x 240 H cm	Door Sealing	Magnetic silicone gasket
	260 kg	Standard Equipment	n°4 pivoting wheels (n°2 with brakes)
Int/Ext corners	Rounded for easy cleaning		Int./Ext. pass-through hole
Insulation	High density PUR foam (90 mm)		Internal LED light

REFRIGERATION SYSTEM

Cooling System	With copper evaporating coil placed on the side and bottom walls of the internal casing
Refrigerant Gas	R290
Condensing System	Hermetic compressor, with air condensation; ventilated refrigeration for max. T uniformity
Defrost	No-Frost system

DIGITAL CONTROL SYSTEM

HTS	
Display	Display Touch-Screen TFT 5" electronic controller with Microprocessor technology
T regulation accuracy	± 0.1°C
Thermal Probes	n.1 thermal probes RTD Pt 100 class A (for thermoregulation and for T alarm)
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

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