KW APPARECCHI SCIENTIFICI

MANUFACTURER	
KW Apparecchi Scientifici S.r.l.	
Via della Resistenza 119 - 53035 Monteriggioni (SI) - Italy	
MODEL	
KFDE 350 HTS	
Upright freezer -18°C/-30°C	

TECHNICAL CHARACTERISTICS	
Storage Volume	350 lt
Temperature Range	-18°C / -30°C
Climate Class	N
Power Supply	230V / 50Hz
Power Consumption	max 150 W
Noise Level	< 48 dB

STRUCTURE			
Internal Surface	Thermoformed ABS	Drawers	n°7 (in transparent ABS)
External Surface	White pre-painted steel sheet	Insulation	High density PUR foam (80 mm)
External Dimensions	60 W x 63 D x 185 H cm	Door Type	One wing, solid type
Weight	90 kg		Key-locking system
Shipping Size (with wooden crate)	80 W x 85 D x 215 H cm	Door Sealing	Magnetic silicone gasket
	140 kg	Standard Equipment	Adjustable front feet / rear wheels
Int/Ext corners	Rounded for easy cleaning		Int/Ext pass through hole

REFRIGERATION SYSTEM	
Cooling System	Fully sealed circuit with n.1 hermetic compressor
Refrigerant Gas	R600
Evaporating System	Copper tube coil thermally connected to the outer peripheral surface of the inner case
Defrost	Manual

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	
n°4 pivoting wheels (n°2 with brakes)	GSM module with SIM card bridge
Weekly cycle chart disk recorder (n°52 spare disks included)	Electric lock for door opening through PIN/Transponder
Additional RTD Pt 100 probe	Wi-Fi router
Additional RTD Pt 100 probe with 4-20mA converter	Ethernet expansion module