



APPARECCHI  
SCIENTIFICI



**PROMO**

Valida per ordini ricevuti entro il  
31/12/2021



Ultracongelatori a bassissima temperatura in pronta consegna (fino ad esaurimento scorte).

- Cassa interna in acciaio inox AISI 304
- Maniglia con una sola mano, sistema di chiusura su cuscinetti
- N.4 ripiani in acciaio inox e n.4 controportelli coibentati
- Chiusura con chiave e foro passante interno/esterno con tappo
- Spessore di coibentazione di 140mm circa
- Refrigerazione a cascata con n.2 compressori
- Controllo a microprocessore con display touch screen da 7".



**Refrigeranti  
ecologici HC**




## Controller HPL (High Performance Line)

- Registrazione temperature ed eventi di allarme.
- Interfaccia USB per scarico dati
- Visualizzazione in tempo reale a display grafico temperatura
- Accesso controllato tramite password
- Disaster recovery(garantisce la funzionalità in caso di guasto CPU)
- Safety control(garantisce la funzionalità in caso di guasto sonda/e)

**CODICE PROMO**


	CAPACITÀ	DIMENSIONI ESTERNE	RIPIANI/VANI
K64HPL2021	706 LITRI	106x100x199 cm	4

**PREZZO PROMOZIONALE: 7.500,00 EURO + IVA**

	<b>MANUFACTURER</b>	
	KW Apparecchi Scientifici S.r.l.	
	Via della Resistenza 119 - 53035 Monteriggioni (SI) - Italy	
	<b>MODEL</b>	
	K64 HPL IN	
	Upright Ultra-low Temperature Freezer	
<b>TECHNICAL CHARACTERISTICS</b>		
Storage Volume	706 lt	
Temperature Range	-40°C / -86°C	
Climate Class	N	
Power Supply	220V-230V / 1 / 50-60Hz	
Power Consumption	max 1100 W	
Noise Level	< 52 dB	

STRUCTURE			
Internal Surface	Stainless Steel AISI 304	Shelves	n°3 in AISI 304 S.S. + base
External Surface	White pre-painted steel sheet	Compartments	4
External Dimensions	106 W x 100 D x 199 H cm	Inner Doors	4
Internal Dimensions	80 W x 69 D x 128 H cm	Handle	Ergonomic design with key lock system
Weight	350 kg	Door Type	One wing, solid type
Shipping Size (with wooden crate)	135 W x 130 D x 225 H cm	Door Sealing	Heated triple silicone gasket
Int/Ext corners	Rounded for easy cleaning	Standard Equipment	Pivoting castors (front ones with brakes)
Insulation	High density PUR foam (140 mm)		Int/Ext pass-through hole
			Pressure compensation valve

REFRIGERATION SYSTEM			
Cooling System	Fully sealed circuit with n.2 hermetic compressors arranged in cascade		
Refrigerant Gases (HC)	1° Stage	R1270	2° Stage R170
Evaporating System	Copper tube coil thermally connected to the outer peripheral surface of the inner case		
Condensing System	Air-type high-surface condenser, for forced air circulation		
Defrost	Manual		

DIGITAL CONTROL SYSTEM		
<b>HPL (High Performance Line)</b>		
Display	Display touch-screen TFT 7" - Microprocessor ARM9 technology (n°2 independent motherboards)	
T regulation accuracy	± 0.1°C	
Thermal Probes	n.2 thermal probes RTD Pt100 class A (n.1 for thermoregulation - n.1 for T alarm)	
Available Languages	Italian / English / French / Spanish / German	
Data Recording Format	SQLite (Tracer® software included for data reading)	
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)	
	Data logger function (Automatic recording of temperatures and alarms)	
	Key test (the user can simulate alarm conditions with a simple key pressure)	
Connectivity	Info test (The functional test performed in the factory can be repeated by the user)	
	USB port	Ethernet port
Alarms list (Audio/Visual)	SD Card port	Dry contacts for remote alarms
	High/Low temperature	Faulty probes
	Power failure alarm with back-up battery	Compressor timing failure
	Door open	High temperature condenser
	High condenser pressure	Dirty condenser
	Battery failure	Communication failure with motherboards
Pressure switch intervention failure	Pressure transducer intervention failure	

OPTIONAL ACCESSORIES AVAILABLE ON REQUEST	
24V CO2 backup system for mechanical failure	Additional RTD Pt 100 probe
24V LN2 backup system for mechanical failure	Additional RTD Pt 100 probe with 4-20mA converter
12V CO2 backup system for mechanical/electric failure	Weekly cycle chart disk recorder (n°52 spare disks included)
12V LN2 backup system for mechanical/electric failure	Strip-chart electronic recorder
Water condensing device with automatic barostatic valve	GSM Module and SIM Card port activation
4000VA power voltage stabilizer	Electric lock for door opening through PIN/Transponder/Finger print
Additional shelf in AISI 304 stainless steel	Wi-Fi router
Transparent panel for display cover	

*Technologies for life sciences*

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