APPARECCHI SCIENTIFICI

Technical Data Sheet

ULT Freezer -86°C

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		MANUFACTURER			
		KW Apparecchi Scientifici S.r.l. Via della Resistenza 119 - 53035 Monteriggioni (SI) - Italy			
19	Via della	Resistenza 1	MODEL		
1		K54E HPL IN Chest Type Ultra-low Temperature Freezer			
(KW)	Cł				
		Ci	TECHNICAL CHARACTERISTICS		
		Storage	Volume	334 lt	
		-	2") Capacity	192 (with full load of 24 racks)	
1 W			ure Range	-40°C / -86°C	
		-	e Class	N	
「「「「「」」「「」」「「」」「「」」「「」」」	Contraction of the second s	Power	Supply	220V-230V / 1 / 50-60Hz	
			nsumption	0,6 kW	
			Level	< 52 dB	
	STRU	JCTURE			
Internal Surface	Stainless Steel AISI 304		- Lock	Closing hooks with key lock	
External Surface	White pre-painted steel sheet	Insul	ation	140 mm (High density PUR foam)	
External Dimensions	150 W x 87 D x 127 H cm	Inner	Doors	2	
Internal Dimensions	124 W x 49 D x 55 H cm	Door	Туре	One wing, solid type	
Weight	280 kg	-	Sealing	Heated triple silicone gasket	
Shipping Size	200 W x 110 D x 170 H cm		-	4 pivoting wheels (front wheels w/brak	
(with wooden crate)	380 kg		dard	Int/Ext pass-through hole	
Int/Ext Edges	Rounded for easy cleaning	Equip	oment	Pressure compensation valve	
, · · · 0		TION SYSTEM	M	·	
Cooling System				rs arranged in cascade	
Refrigerant Gases		1270		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			nual		
	DIGITAL COI	NTROL SYSTE	M		
		A			
HPL					
(High Performance Line)					
Display	Display touch-screen TFT 7" - Microprocessor ARM9 technology (n°2 indipendent 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)				
	Info test (The functional test performed in the factory can be repeated by the user)				
	USB port Ethernet port			Ethernet port	
Connectivity	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	
Alarms List	Door open		Dirty condenser		
Alarms List (Audio/Visual)	Door open High condenser pressure				
	•		Comm		
	High condenser pressure			Dirty condenser	
	High condenser pressure Battery failure	ailure	Press	Dirty condenser unication failure with motherboards sure transducer intervention failure	
(Audio/Visual)	High condenser pressure Battery failure Pressure switch intervention f	ailure	Press ON REQUE	Dirty condenser unication failure with motherboards sure transducer intervention failure	
(Audio/Visual) 24V CO2 backup	High condenser pressure Battery failure Pressure switch intervention f OPTIONAL ACCESSORIE	ailure S AVAILABLE	Press ON REQUE Additio	Dirty condenser unication failure with motherboards sure transducer intervention failure ST	
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