



MANUFACTURER

KW Apparecchi Scientifici S.r.l.

Via della Resistenza 119 - 53035 Monteriggioni (SI) - Italy

MODEL

KFDE 080 PL ADV

Under the counter freezer -18°C/-30°C

TECHNICAL CHARACTERISTICS

Storage Volume	80 lt
Temperature Range	-18°C / -30°C
Climate Class	N
Power Supply	230V / 50Hz
Power Consumption	max 100 W
Noise Level	< 48 dB

STRUCTURE

Internal Surface	Thermoformed ABS	Drawers	n°2 (in transparent ABS)
External Surface	White pre-painted steel sheet	Insulation	High density PUR foam (80 mm)
External Dimensions	56 W x 63 D x 83 H cm	Door Type	One wing, solid type
Weight	35 kg		Key-locking system
Shipping Size (with wooden crate)	75 W x 85 D x 110 H cm	Door Sealing	Magnetic silicone gasket
	75 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

PL ADV		
Display	White and blue 7-segments display - 5 keys capacitive keyboard	
	Simultaneous display of the monitor probe and the set point	
T regulation accuracy	± 0.1°C	
Access Control	Access to controller functions via safety password	
Maintenance	Supervision and remote assistance via Cloud	
	On-site supervision via dedicated APP ConneX (iOS and Android) and web pages	
Special Functions	In the event of a faulty probe, the probe keeps the T on the average of historical cycles	
	Data logger function (3Mb flash memory)	
	Buzzer with autosilence and reset function	
Connectivity	Internal Wi-Fi module	Wireless programming of parameters
	Alert messaging by email	Receipt of the weekly graphic report by email
	Dry contacts for remote alarm signals	Data download via the ConneX APP (no USB needed)
Alarm List (Audio/Visual)	Power failure with back-up battery	System overpressure
	High/Low temperature	Door open
	Faulty probes	No communication between motherboards
	High condenser temperature	Compressor timing failure
	Pressure switch intervention failure	Pressure transducer intervention failure

OPTIONAL ACCESSORIES AVAILABLE ON REQUEST

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