Data sheet

Ultra-Low Freezer
ZLN-UT 200 Smart

The photo above is for reference only, may show additional options not included in standard equipment. The real appearance, particularly color and structure of the material may differ from the ones presented in the photo.

Advantages of the SMART controller:
- 4,3", clear, full colour touch screen
- LAN, USB ports for data transfer
- multi-segment time and temperature programs
- visual and sound alarm
- internal memory for programs and data storage
- event registry
- user manual for direct download
- Quick change of program parameters
- Alarm Bar
- operating with gloves on

Smart - preview screen

POL-EKO-APARATURA SP. J.
A. POLOK – KOWALSKA, S. KOWALSKI
44-300 WODZISŁAW ŚLĄSKI, UL. KOKOSZYCKA 172 C

tel. (+48) 32 453 91 70

e-mail: info@pol-eko.com.pl
internet: www.pol-eko.com.pl

TECHNICAL DATA

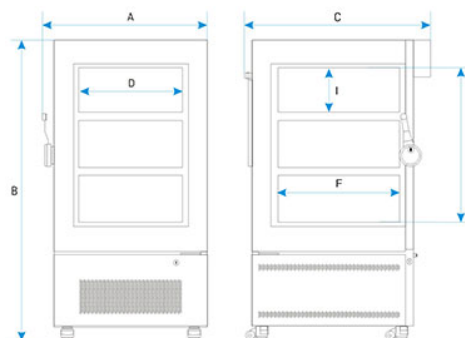|	
air convection	natural
chamber capacity [l]	242
number of boxes 133x133x50mm [pcs]	144
controller	microprocessor PID
display	4,3" full colour touch screen

TEMPERATURE

temperature range [°C]	-86…-50
temperature resolution every … [°C]	0,1
cooling time from +20°C to -80°C [h]	3,5
heating time in case of power failure -80°C to -60°C [h]	1,5
temperature fluctuation at -80°C [+/-°C]*	1,5
temperature variation at -80°C [+/-°C]*	4

CHAMBER

door type	solid
interior	
C Smart	stainless steel to DIN 1.4016
P Smart	acid-proof stainless steel to DIN 1.4301
housing	
C Smart	powder coated sheet
P Smart	powder coated sheet

overall dims [mm] /1/

width A	880
height B	1630
depth C	950

internal dims [mm]

width D	520
height E	830
depth F	560
height I	240

max shelf workload [kg] /2/	10
number of internal chambers	3
max unit workload [kg]	65
weight [kg]	180

POL-EKO-APARATURA SP. J.
A. POLOK – KOWALSKA, S. KOWALSKI
44-300 WODZISŁAW ŚLĄSKI, UL. KOKOSZYCKA 172 C

tel. (+48) 32 453 91 70

e-mail: info@pol-eko.com.pl
internet: www.pol-eko.com.pl

ELECTRICAL PARAMETERS

voltage**	230V 50Hz
nominal power [W]	2100
refrigerant	R290 / GWP=3 | R170 / GWP=6
warranty	24 months
manufacturer	POL-EKO-APARATURA

all the above technical data refer to standard units (without optional accessories)
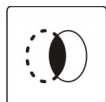
* - fluctuation measured in centre of the chamber; in space, variation (K) calculated for chamber as:

K= +/- (T average max. - T average min.) / 2

** - other power supplies on request

1 - depth doesn't include 50 mm of power cable

OPTIONS AND ACCESSORIES

	Order number: OCZ/N	Non-standard access port for external sensor
	Order numberLabDesk	LabDesk software

Bank: ING BŚ o/Wodzisław Śl.
Nr rachunku: 90 1050 1403 1000 0022 0879 5498
Nr rej. W BDO 000005609

NIP: 647-216-26-87 REGON: 276111984
Sąd Rejonowy w Gliwicach, X Wydział Gospodarczy
KRS 0000083696

PN-EN ISO 9001
ISOCERT CERTIFICATE

3/3