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# Data sheet

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

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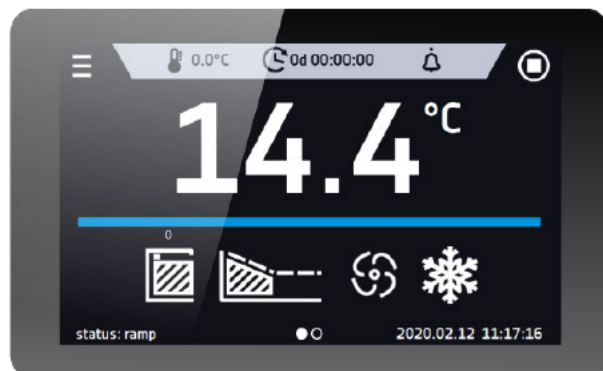
TECHNICAL DATA

air convection	forced
chamber capacity [l]	500
working capacity [l]	469
controller	microprocessor PID
display	4,3 full colour touch screen

TEMPERATURE

temperature range [°C]	+3...+40 / +70 (opcja)
temperature resolution every ... [°C]	0,1
temperature fluctuation at 37°C [+/-°C]*	0,3
temperature variation at 37°C [+/-°C]*	1,0
over temperature protection	class 1.0 to DIN 12880 / class 3.3 (option)

CHAMBER

door type	solid / glass or double (option) /5/
interior	
B Smart	aluminium
C Smart	stainless steel to DIN 1.4016
CS Smart	stainless steel to DIN 1.4016
P Smart	DIN 1.4301
PS Smart	DIN 1.4301
housing	
B Smart	powder coated sheet
C Smart	powder coated sheet
CS Smart	stainless steel polished
P Smart	powder coated sheet
PS Smart	stainless steel polished

overall dims [mm] /1/	
width A	660
height B	1990
depth C	810
internal dims [mm]	
width D	480
width D'	510
height E	1510
depth F	610
height I	1380
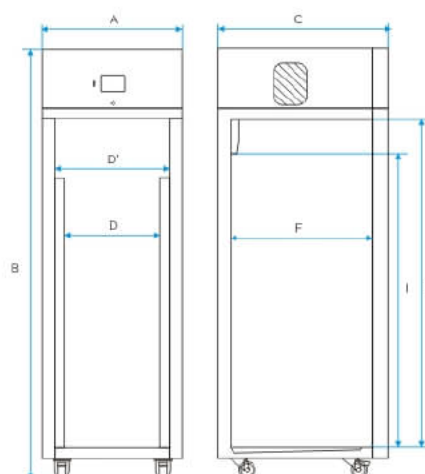
shelves (standard | max)	3	11
max shelf workload [kg] /2/	20
- reinforced shelf version (PW) [kg] /3/	100
max unit workload [kg]	100
weight [kg]	105

ELECTRICAL PARAMETERS

voltage**	230V 50-60Hz
nominal power [W]	650
refrigerant	R290 / GWP=3
warranty	24 months
manufacturer	POL-EKO-APARATURA
txt_opis pod tabelą	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 2 - on uniformly loaded surface 3 - reinforced shelf 4 - reinforced version 5 - additional internal glass door

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K= +/- (T average max. - T average min.) / 2
** - other power supplies on request
1 - depth doesn't include 50 mm of power cable
2 - on uniformly loaded surface
3 - reinforced shelf
4 - reinforced version
5 - additional internal glass door

OPTIONS AND ACCESSORIES

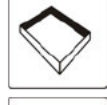|		
	Order number: */C	Internal glass door
	Order number: */A	External glass door
	Order number: */P	Wire shelf
INOX	Order number: */P INOX	Stainless steel wire shelf INOX
	Order number: */PP	Perforated shelf
	Order number: */PW	Reinforced shelf
	Order number: KUW GN*/*	Stainless steel cuvettes
ALU	Order number: ST/CHL/SWP ALU	Aluminum drawer with powder coated slides
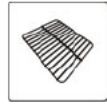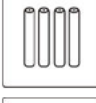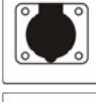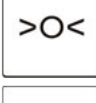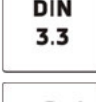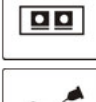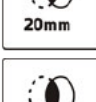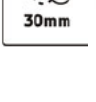
INOX	Order number: ST/CHL/SWP INOX	Stainless steel drawer with powder coated slides
INOX/INOX	Order number: ST/CHL/SWPN INOX	Stainless steel drawer with stainless steel slides
	Order number: QLK*	Wheels
+70°C	Order number: ST/70	Extended temperature range to 70°C
	Order number: */FOT	Photoperiodic system
	Order number: GNZ	Internal socket
LAB DESK	Order numberLabDesk	LabDesk software
>O<	Order number: BRT/*/L or IQ/OQ/PQ	Calibration and IQ, OQ, PQ qualification
DIN 3.3	Order number: */3.3	Over temperature protection 3.3 class according to DIN 12880
	Order number: */RK	Chart recorder
	Order number: ZKM	Magnetic door lock
	Order number: BPP 12	Battery backup for display
ALARM	Order number: PORT ALARM	Dry alarm contact
USB	Order number: USBK	USB cable
LAN	Order number: LANK	LAN cable
20mm	Order number: OCZ/20	Non-standard access port 20 mm
30mm	Order number: OCZ/30	Additional access port 30 mm
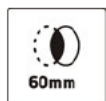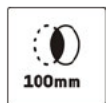
	Order number: OCZ/60	Non-standard access port 60 mm
	Order number: OCZ/100	Non-standard access port 100 mm
	Order number: KD	Access control