TECHNICAL DATA SHEET

GENERAL INFORMATION	
Manufacturer	Leosmak S.A. (JSC), ul. E. Kwiatkowskiego 4, 52-326 Wrocław, Poland
Type	Freeze Dryer
Model	LEO-010L
PERFORMANCE DATA	
Optimal batch weight, kg/cycle	15.0
Ice condenser	
- min. capacity, kg	18.0
- working temperature	-40˚C
Chamber volume, l	114
Working shelf temperatures	-25˚C to +70˚C
Minimal and maximum temperatures	-40˚C to +70˚C
Number of shelves	7
Number of trays	7 (GN 1/1)
Shelf size, mm	530 x 330
Max. shelf surface area, sq. m.	1.30
Spacing between shelves, mm	28
Height of trays, mm	20
Trays format	GN 1/1
Pre-freezing	In the device
Observation system	Transparent door
HMI	LCD touchscreen
Loading	Manual
CONNECTION AND POWER	
Connecting power, kW	3.5 (standard European socket 16A)
Nominal power, kW	2.2
Voltage, V	220 (208-240)
Apparent power, kVA	2.9
Nominal current, A	9.0
Mains circuit breaker	16A
Protection class	I
Water drain valve	G1/2
Vacuum pump connection (inside)	SAE 1/4” (7/8-20 UNF)
Wi-Fi standard	2.4 GHz Wi-Fi (802.11 b/g/n)
REFRIGIRATION	
System type	One-stage
Refrigerant	R452B
GWP Index	675
Filling quantity, g	600
CO_2 equivalent, t	0,4
PHYSICAL DATA	
Dimensions	
- height, mm	1010
- length, mm	950
- width, mm	600
Dead weight, kg	168
Chamber material	AISI 304 (stainless steel)
Max. noise level according to DIN 45635, dB(A)	65
EMC according to EN 55011	Class B
IP protection category according to DIN 60529	65