TECHNICAL DATA SHEET

GENERAL INFORMATION	
Manufacturer	Leosmak S.A. (JSC), ul. E. Kwiatkowskiego 4, 52-326 Wrocław, Poland
Type	Freeze Dryer
Model	LEO-004L
PERFORMANCE DATA	
Optimal batch weight, kg/cycle	6.0
Ice condenser	
- max. capacity, kg	10.0
- working temperature	-40°C
Chamber volume, l	50
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 1/2)
Shelf size, mm	260 x 330
Max. shelf surface area, sq. m.	0.60
Spacing between shelves, mm	28
Height of trays, mm	20
Trays format	GN 1/2
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	1.7
Voltage, V	220 (208-240)
Apparent power, kVA	2.13
Nominal current, A	7.0
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	R-452B
GWP Index	675
Filling quantity, g	300
CO_2 equivalent, t	0,2
PHYSICAL DATA	
Dimensions	
- width, mm	500
- length, mm	650
- height, mm	770
Dead weight, kg	94
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