TECHNICAL DATA SHEET

GENERAL INFORMATION	
Manufacturer	Leosmak S.A. (JSC), ul. E. Kwiatkowskiego 4, 52-326 Wrocław, Poland
Type	Freeze Dryer
Model	LEO-300
PERFORMANCE DATA	
Optimal batch weight, kg/cycle	300.0
Ice condenser - max. capacity, kg - working temperature - chamber volume, l	 450.0 -45°C 3450
Working shelf temperatures	-25°C to +70°C
Minimal and maximum temperatures	-45°C to +70°C
Maximum no. of shelves	2 x 15
Maximum no. of trays	90 (GN 2/1)
Shelf size, mm	2 x 540 x 2005
Max. shelf surface area, sq. m.	32.48
Spacing between shelves, mm	50
Height of trays, mm	20 or 40
Trays format	GN 2/1
Pre-freezing	In the device
Observation system	Observation window
HMI	LCD touchscreen
Loading	Cart, rail or robocart
CONNECTION AND POWER	
Connecting power, kW	45.0
Nominal power, kW	38.0
Voltage, V	3 x 380
Apparent power, kVA	5.56
Nominal current, A	14.5
Mains fuse	25A
Protection class	I
Water drain valve	G1 ¼”
Vacuum pump connection (inside)	KF25
Wi-Fi standard	2.4 GHz Wi-Fi (802.11 b/g/n)
REFRIGIRATION	
System type	One-stage
Refrigerant	R-448A
GWP Index	1273
Filling quantity, g	6000
CO_2 equivalent, t	8322
PHYSICAL DATA	
Dimensions - width, mm - length, mm - height, mm	 2000 + 2000 for Main Cooling Unit 2000 + 1000 for Main Cooling Unit 2200 + 2200 for Main Cooling Unit
Dead weight, kg	6500
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