TECHNICAL DATA SHEET

GENERAL INFORMATION	
Manufacturer	Leosmak S.A. (JSC), ul. E. Kwiatkowskiego 4, 52-326 Wrocław, Poland
Type	Freeze Dryer
Model	LEO-030
PERFORMANCE DATA	
Optimal batch weight, kg/cycle	30.0
Ice condenser - max. capacity, kg - working temperature - chamber volume, l	 40.0 -45°C 340
Working shelf temperatures	-25°C to +70°C
Minimal and maximum temperatures	-45°C to +70°C
Maximum no. of shelves	8
Maximum no. of trays	16
Shelf size, mm	365 x 1085
Max. shelf surface area, sq. m.	3.17
Spacing between shelves, mm	50
Height of trays, mm	20 or 40
Trays format	GN 1/1
Pre-freezing	In the device
Observation system	None
HMI	LCD touchscreen
Loading	Manual, cart possible
CONNECTION AND POWER	
Connecting power, kW	7.5
Nominal power, kW	4.0
Voltage, V	380 (or 220)
Apparent power, kVA	5.6
Nominal current, A	7.0
Mains fuse	16A
Protection class	I
Water drain valve	G1 1/4”
Vacuum pump connection (inside)	SAE 1/4” (7/8-20 UNF)
Wi-Fi standard	2.4 GHz Wi-Fi (802.11 b/g/n)
REFRIGERATION	
System type	One-stage
Refrigerant	R-448A
GWP Index	1273
Filling quantity, g	3900
CO_2 equivalent, t	4.960
PHYSICAL DATA	
Dimensions - height, mm - length, mm - width, mm	 1800 1850 800
Dead weight, kg	581
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