![CLST - Cryo Life Science Technologies logo]

Blast Freezer KLF 32-48/40 LS
(air-cooled)

Datasheet

Temperatures, capacity, time	
Freezing plate temperature (operating temperature)	-60°C
Storage temperature	-40°C
Capacity	max. 2x 24 standard plasma bags (500ml) or max. 2x 16 large plasma bags (1000ml)
Freezing time to reach core temperature	approx. 30 minutes for standard bags approx. 40 minutes for large bags
Defrosting with integral hot-gas defrosting	approx. 10 minutes
Noise level	less than 65 dB(A)

Cooling system	
Coolant	CFC-free R 507, approx. 6,5 kg in lower freezing circuit, approx 7,1 kg in the upper one
Cooling power	2 independent systems. For each system at nominal temperature 2,0 kW

Electrical data	
Electrical connection	2x [approx. 6 kW / 3 x 400 V~, 50 Hz, with 16 A CEE plug]
Recommended protection	2x [3 x16 A with C characteristics, temporary starting current up to 39 A]
Energy consumption per freezing process	Each freezing level approx 1,2 kWh for standard plasma bags, and approx 1,8 kWh for large bags
Cooling system	2 independent systems. For each system the operating current is max. 14 A
Power consumption	2 independent systems. For each system at nominal temperature 2,4 kW
Current consumption	2 independent systems. For each system at nominal temperature 5,3 A

Mechanical data	
Dimensions (W x H x D)	approx. 2200 x 1900 x 1000 mm
Plate lift	approx. 180 mm
Net weight / Floor load	approx. 800 kg / approx. 400 kg/m_
Coolant	Air

Software Option	
Temperatures Display	- for both of the cold plates - for the dummy bags
Storing and archiving of all automatically displayed temperatures according to	- data, time, user - entire freezing process