Data Sheet

Froilabo
Precision for life

Bio Memory

-40°C Freezer

106L, 308L, 518L



Excellent performance at affordable prices

Our freezers are designed to meet all of your low temperature storage needs, at affordable prices with excellent performance.

Our freezer provides excellent thermal insulation, ensuring reliable storage for a variety of industries.

PERFORMANCE	
Temperature range	-20°C to -40°C
Temperature accuracy	0.1°C

Minimum temperature of -40°C

Available in 3 volumes

LBA foaming technology for excellent insulation

F-Gas Approved

Technical Specifications

BIO MEMORY -40°C FREEZER			
MODEL	**BMF10640**	**BMF30840**	**BMF51840**
GENERAL SPECIFICATIONS			
Storage volume (L)	106	308	518
External material	PCM	PCM	High quality coated steel
Internal material	PCM	PCM	High quality coated steel
Door material	Glass door	Glass door or glass door with stainless steel tank	Glass door or glass door with stainless steel tank
Ext dimensions (mm) W x D x H	1175 x 995 x 1980	700 x 690 x 1920	866 x 811 x 1920
Int Dimensions (mm) W x D x H	885 x 720 x 1310	540 x 450 x 1277	680 x 620 x 650
Net / Gross weight (kg)	43 / 48	102 / 114	142 / 164
Sound level (dB)	≤51	≤52	≤58
Foaming agent	Cyclopentane	Cyclopentane	Cyclopentane
REFRIGERATION SYSTEM			
Cooling type	Direct cooling	Direct cooling	Direct cooling
Defrost type	Manual	Manual	Manual
Climate class	N	N	N
Refrigerant / amount (g)	R290	R290	R290,70g*2
PERFORMANCES			
Temperature range (°C)	-20 to -40	-20 to -40	-20 to -40
Temperature uniformity (°C)	NA	±4	±3
Temperature accuracy (°C)	0.1	0.1	0.1
CONTROL			
Controller	Microprocessor	Microprocessor	Microprocessor
Display	LED display	LED display	LED display
ELECTRICAL DATA			
Rated current (A)	2.6	2.9	3.8
Rated power (W)	325	295	450
Rated voltage / frequency (V/Hz)	220-240V/50Hz	220-240V/50Hz	220-240V/50Hz
Energy consumption	4.5 kWh/day*	4.5 kWh/day*	4.5 kWh/day*
ALARMS			
Sound alarm	Y	Y	Y
Light alarm	Y	Y	Y
Power failure	Y	Y	Y
Sensor failure	Y	Y	Y
Door ajar	Y	Y	Y
High ambient temperature	N	N	Y
High temperature	Y	Y	Y
Low temperature	Y	Y	Y
High condensor temperature	N	N	Y
Low battery	N	N	Y
Remote	Y	Y	Y
ACCESSORIES			
USB	Y	Y	Y
Anti-condensation door	Y	Y	Y
Lock	Y	Y	Y
Backup battery	20h	20h	24h
Handle	Y	Easy open handle	Easy open handle
Shelves / drawers qty	3 drawers	7 drawers	12 drawers
Cable port	N	Y	Y
Castors / type	N	Y	Y

*with an ambient room temperature of 20°C (+/-0.5°C), door closed.

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