



-86 °C Ultra Low Temperature Freezer

Applications

- cold rolled plate with powder coated painting to ensure anti-corrosion and durability
- SS304 inner chamber for easy clean.
- Adjustable and removable stainless steel shelves easy for setting different samples and clean the chamber
- With 126mm thick polyurethane foam insulation to minimize temperature lose
- Independent inner doors to minimize cold air leakage
- Magnetic door seal to ensure optimal sealing of door to fridge
- Castors wheels for easy relocation when needed
- Touch screen for easy operation. user rights setting to ensure safety of sample

TECHNICAL SPECIFICATIONS

Series	EXPLORER			
Model	BDW-86L390	BDW-86L490	BDW-86L650	BDW-86L770
Temperature range [°C]	-50 ~ -86			
Nominal capacity [Liters]	390	490	650	770
Exterior dimensions [mm] W x D x H	909 x 797 x 1990	900 x 929 x 1990	1091 x 929 x 1990	1091 x 1053 x 1990
Interior dimensions [mm] W x D x H	589 x 505 x 1310	589 x 637 x 1310	780 x 637 x 1310	780 x 760 x 1310
Door opening [mm] W x H	589 x 1310	589 x 1310	780 x 1310	780 x 1310
Insulation thickness [mm]	126			
Exterior finishing	White plastic coated galvanised steel			
Interior finishing	Stainless steel			
Inner door	2 / 4			
Shelves	3			
Levels	4			
Racks	16 (240)	16 (320)	20 (400)	20 (500)
Ring latch hole	Yes			
Mechanical lock	Yes			
Data logger	Yes			
Battery	Yes			
Interior chamber temperature probe	Yes			
Vent port	Yes			
Gasket heating	Yes			
Controller type	Touch screen			
Refrigerant type	Non HCFC			
Voltage/Frequency [V / Hz]	AC220 / 50			
Power [W]	1300			
Net Weight [kg]	318	332	410	490
High condenser temperature alarm	Yes			
Power failure alarm	Yes			
Temperature sensor failure alarm	Yes			
Low battery alarm	Yes			
High / Low temperature alarm	Yes			
Door open alarm	Yes			
Sound pressure [dB]	≤ 53			
Cooling time [h]	≤ 6			≤ 8
Minimal temperature [°C]	-86			
Temperature uniformity [°C]	≤ 6			

Model	Nominal Capacity		Certification	Power	Inner Doors	Interior Dimensions (W x D x H)mm	Exterior Dimensions (W x D x H)mm	Net Weight (Kg)
	Liters	2" tube boxes						
BDW-86L390	390	240	CE/RoHS	AC220V/50Hz	2,4	589 x 505 x 1310	909 x 797 x 1990	318
BDW-86L490	490	320	CE/RoHS	AC220V/50Hz	2,4	589 x 637 x 1310	909 x 929 x 1990	332
BDW-86L650	650	400	CE/RoHS	AC220V/50Hz	2,4	780 x 637 x 1310	1091 x 929 x 1990	410
BDW-86L770	770	500	NA	AC220V/50Hz	2,4	780 x 760 x 1310	1091 x 1053 x 1990	490