ZXFD-B5140

ZXRD-B5110

DRYING
Oven

The LABWIT forced air drying ovens are engineered for your daily work, from routing simple glassware drying sterilization applications up to 200°C or 300°C, to the complex, controlled heating applications, for example, aging, bonding, curing, heat treat annealing, stress relieving, burn-in, hardening test purposes.

LABWIT provide ovens with two optional heating modes, ZXRD-series back heating, and ZXFD-series bottom heating. Both of them are designed to provide accurate temperature uniformity, with minimized temperature overshoot. For all 200°C models, the ovens are equipped with LCD control panel and can be programmed to run up to 9 different programs with 18 steps of temperatures and time segments.

▶ Forced-air convection and three dimensional heating systems ensure air circulation and heat distribution.

▶ Options of back or bottom heating models, up to 200°C and 300°C.

▶ PID Microprocessor controller with 9 segments and 18 steps, only on 200°C models.

▶ Large LCD display on 200°C models, and LED display on 300°C models.

▶ Argon-filled multiple glazed tempered safety glass window, 2 glazing for 200°C models and 3 glazing for 300°C models, optimizes sample monitoring as well as minimize heat losses.

▶ Electro-polished stainless steel inner chambers and round corners for easy cleaning and better air circulation.

▶ Safe protections: over-temperature limit protection, separate over-current fuses, trip switching protection over electric leakage.

▶ Non-volatile memory retains pre-set parameters in case of power interruption.

▶ Standard wheel casters available on all models of 210L and above in volume.

▶ Adjustable electro polished stainless steel shelving provides air flow around samples for uniformed tempering and allow for easy cleaning.

▶ 2 grids included as standard.

Air Tight Door

▸ Hermetic door closure system for optimal air tightness and minimal heat loss.

▸ "Push & Catch" design, easy to grip and operate.

Adjustable Air Vent

▸ Adjustable air vent for discharge of humidity evaporation.

▸ Adjusting knob located on side wall for easy access.

▸ Air vent located on the back wall.

Convenient Working Environment

▸ Complete stainless steel inner chamber.

▸ Low heat dissipation due to 50mm high density insulation.

▸ 2 shelves included as standard.

Specifications of ZXRD (Back Heating)

Model	ZXRD-B5030	ZXRD-B5055	ZXRD-B5110	ZXRD-B5210	ZXRD-A7080	ZXRD-A7140	ZXRD-A7230
Volume (L)	30	55	110	210	80	140	230
Heating Mode	Back Heating						
Programmable Control (9Segment/18 steps)	Standard						
Temperature Range (°C)	Ambient+5 to 200				Ambient+5 to 300		
Temperature Accuracy (°C)	0.1						
Temp. Uniformity (%)	< ± 2.5% (@max temperature)						
Display	LCD				LED		
Alarm	Enabled						
Timer (min)	1-999						
Settings	Digital						
Grids Included	2 (max 7)	2 (max 10)	2 (max 16)	2 (max 19)	2 (max 13)	2 (max 17)	2 (max 21)
Grid Size (mm) (WxD)	235x255	285x295	335x375	455x485	319x330	385x405	475x485
Distance Between Grids (mm)	30						
Chamber Dimensions (mm) (WxDxH)	300x285x340	330x345x450	420x385x650	500x535x750	375x365x550	450x440x685	520x540x800
Exterior Dimensions (mm) (WxDxH)	490x470x750	520x525x860	610x565x1060	690x720x1240	565x495x960	640x570x1095	720x670x1290
Packing Dimensions (mm) (WxDxH)	570x550x920	600x610x1020	690x665x1230	770x820x1400	650x590x1130	720x670x1255	800x720x1450
Net/Gross Weight (kg)	40/64	50/71	61/104	98/143	58/98	70/104	104/150
Power (W)	900	1300	2100	2500	2100	2300	2700
Electricity	220-240V 50/60 Hz						
Approval	CE, ISO						

Specifications of ZXFD (Bottom Heating)

Model	ZXFD-B5040	ZXFD-B5090	ZXFD-B5140	ZXFD-B5250	ZXFD-B5430	ZXFD-B5600
Volume (L)	40	90	140	250	430	600
Heating Mode	Bottom Heating					
Programmable Control (9Segment/18 steps)	Yes, Standard					
Temperature Range (°C)	A+5 to 200					
Temperature Accuracy (°C)	0.1					
Temperature Uniformity (%)	< ± 2.5% (@max temperature)					
Display	LCD					
Alarm	Enabled					
Timer (min)	1-999					
Settings	Digital					
Grids Included	2 (Max 3)	2 (Max 4)	2 (Max 5)	2 (Max 6)	2 (Max 8)	2 (Max 8)
Grid Size (mm) (WxD)	245×338	389×393	413×493	493×595	596x694	725×789
Distance Between Grids (mm)	90	90	95	105	105	110
Chamber Dimensions (mm) (WxDxH)	345x285x385	400x430x485	500x455x600	600x535x750	700x635x950	800x766x1000
Exterior Dimensions (mm) (WxDxH)	535x470x795	585x610x895	685x635x1010	790x720x1240	890x820x1440	990x950x1495
Packing Dimensions (mm) (WxDxH)	605x540x955	655x680x1055	755x705x1170	860x790x1400	960x890x1600	1060x1020x1655
Net/Gross Weight (kg)	45/69	55/81	80/115	108/145	170/210	210/255
Power (W)	1000	1500	2100	2500	2700	2900
Electricity	220-240V 50/60 Hz					
Approval	CE, ISO					

Order Information

ZXRD-B5030	ZXRD-B5030,30L, Back Heating Oven, A+5-200°C		P9017	Grid Plate for ZXRD-B5030, S/S ※
ZXRD-B5055	ZXRD-B5055,55L, Back Heating Oven, A+5-200°C		P9018	Grid Plate for ZXRD-B5055, S/S
ZXRD-B5110	ZXRD-B5110,110L, Back Heating Oven, A+5-200°C		P9019	Grid Plate for ZXRD-B5110, S/S
ZXRD-B5210	ZXRD-B5210,210L, Back Heating Oven, A+5-200°C		P9020	Grid Plate for ZXRD-B5210, S/S
ZXRD-A7080	ZXRD-A7080,80L, Back Heating Oven, A+5-300°C		P9021	Grid Plate for ZXRD-A7080, S/S
ZXRD-A7140	ZXRD-A7140,140L, Back Heating Oven, A+5-300°C		P9022	Grid Plate for ZXRD-A7140, S/S
ZXRD-A7230	ZXRD-A7230,230L, Back Heating Oven, A+5-300°C		P9023	Grid Plate for ZXRD-A7230, S/S
ZXFD-B5040	ZXFD-B5040,40L, Bottom Heating Oven, A+5-200°C		P9024	Grid Plate for ZXFD-B5040, S/S
ZXFD-B5090	ZXFD-B5090,90L, Bottom Heating Oven, A+5-200°C		P9025	Grid Plate for ZXFD-B5090, S/S
ZXFD-B5140	ZXFD-B5140,140L, Bottom Heating Oven, A+5-200°C		P9026	Grid Plate for ZXFD-B5140, S/S
ZXFD-B5250	ZXFD-B5250,250L, Bottom Heating Oven, A+5-200°C		P9027	Grid Plate for ZXFD-B5250, S/S
ZXFD-B5430	ZXFD-B5430,430L, Bottom Heating Oven, A+5-200°C		P9028	Grid Plate for ZXFD-B5430, S/S
ZXFD-B5600	ZXFD-B5600,600L, Bottom Heating Oven, A+5-200°C		P9029	Grid Plate for ZXFD-B5600, S/S

※ S/S: Stainless Steel