

Drying Ovens



ZXFD-B5140



ZXRD-A7080

Descriptions:

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. All models can be programmed to run up to 9 different programs with 18 steps of temperatures and time segments.

Features:

- 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.
- 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.

Specifications of ZXRD Series (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 Resolution (°C)	±0.1						
Temperature Uniformity (%)	< ± 2.5% (@max temperature)						
Temperature Fluctuation (°C)	±1.0						
Display	LCD				LED		
Alarm	Enabled						
Timer (min)	0-9999						
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)	300x285 x340	330x345 x450	420x385 x650	500x535 x750	375x365 x550	450x440 x685	520x540 x800
Exterior Dimensions (mm) (WxDxH)	490x470 x750	520x525 x860	610x565 x1060	690x720 x1240	565x495 x960	640x570 x1095	720x670 x1290
Packing Dimensions (mm) (WxDxH)	570x550x X920	610x630 x1040	690x665 x1230	770x820 x1430	650x590 x1130	720x670 x1255	790x800 x1460
Net/Gross Weight (kg)	40/64	50/71	61/104	98/143	58/98	70/104	104/155
Power (W)	900	1300	2100	2500	2100	2300	2700
Electricity	220-240V 50/60 Hz						
Approval	CE, ISO						



Convenient Working Environment

- ✓ Complete stainless steel inner chamber
- ✓ Low heat dissipation due to 50mm high density insulation
- ✓ 2 shelves included as standard.



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.



ZXRD-B5110

Specifications of ZXFD Series (Bottom Heating) :

Model	ZXFD-B5090	ZXFD-B5140	ZXFD-B5250	ZXFD-B5430	ZXFD-B5600
Volume (L)	90	140	250	430	600
Heating Mode	Bottom Heating				
Programmable Control (9Segment/18 steps)	Yes, Standard				
Temperature Range (°C)	A+5 to 200				
Temperature Resolution (°C)	± 0.1				
Temperature Uniformity (%)	< ± 2.5% (@max temperature)				
Temperature Fluctuation (°C)	±1.0				
Display	LCD				
Alarm	enabled				
Timer (min)	0-9999				
Settings	Digital				
Grids Included	2 (Max 4)	2 (Max 5)	2 (Max 6)	2 (Max 8)	2 (Max 8)
Grid Size (mm) (WxD)	389×393	413×493	493×595	596×694	725×789
Distance Between Grids (mm)	90	95	105	105	110
Chamber Dimensions (mm) (WxDxH)	400x430x485	500x455x600	600x535x750	700x635x950	800x766x1000
Exterior Dimensions (mm) (WxDxH)	585x610x895	685x635x1010	790x720x1240	890x820x1440	990x950x1495
Packing Dimensions (mm) (WxDxH)	670x690x1070	770x720x1190	880x810x1430	990x900x1660	1090x1050x1780
Net/Gross Weight (kg)	55/98	80/115	108/145	170/253	210/280
Power (W)	1500	2100	2500	2700	2900
Electricity	220-240V 50/60 Hz				
Approval	CE, ISO				

Ordering Information:

Part NO.	Description	Part NO.	Description
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-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			