Genlab e^3 Energy Efficient Drying Cabinets

Model shown E3DWC100N/TDIG

Model shown E3DWC200N/TDIG

Model shown E3DWC425/F/TDIG

Model shown E3DWC885/F/TDIG

Genlab is proud to offer their customers a unique range of sustainable laboratory products and services. e^3 is our market leading brand for scientifically developed, cutting edge, sustainable, eco-friendly products. Genlab's new e^3 range of glassware drying cabinets are energy efficient, safer and economic to run. Working with the University of Cambridge, we developed units that represent a novel, sustainable solution to glassware drying. They feature our latest touch screen control system, which offers intuitive control and excellent accuracies with bespoke firmware for energy saving control, including adjustable automatic on/off times.

Features

- Temp range : 30.0°C to 80.0 °C
- Integral 7 day timer with touch screen digital controller
- Fully insulated with adjustable vent cover
- Stainless steel chamber
- Manual or automatic overheat reset
- On screen historical trending (48 hours)
- Lockable castors on the 425 and 885 litre models
- Low energy consumption - More than 50% lower to traditional cabinets
- Low heat output - reducing air conditioning costs
- Excellent stability <+/- 0.6 °C
- High accuracy Pt100B duplex sensors <0.8 °C

Options

- Audible warnings
- Access ports (25, 50, 75 or 100mm)
- Traceable calibration to national standards
- Bespoke stands and stacking kits
- Wall mounting brackets (100 & 200 versions only)
- Extractor unit
- Extended warranty
- Bespoke solutions available upon request

WARRANTY 2 YEARS WARRANTY

nqa ISO 9001 Registered Quality Management

UKAS MANAGEMENT SYSTEMS

Made in Britain

Design

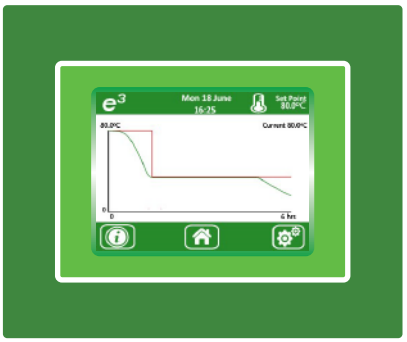
The exterior is constructed from sheet steel and finished in an easy clean powder coated paint. The interior chamber is made from 304 stainless steel and all units have high density insulation. The 100 and 200 litre models have sliding glass doors and the 425 and 885 litre models have double glazed hinged doors.

Heating

Heated by Incoloy sheathed elements which are positioned in the lower chamber and covered with 304 stainless steel guard.

Controls

The control system comprises of a bespoke touch screen user interface. Using two individual PT100 sensors, the control system offers both accurate temperature control and an integral overheat system. The cabinets automatically turn on and off (up to two times per day) with boost and extend functions available outside of the set times. Oven trending is displayed for up to 48 hours and optional upgrades are available for alarm outputs.



Sizes and Specifications

Genlab Reference Number	Capacity (litres)	Internal Dims (H x W x D cms)	External Dims (H x W x D cms)	Shelves /Positions	Wattage	Voltage	Weight (kg)	Energy Consumption kWh/day *
Natural Convection								
E3DWC100N/TDIG	100	40 x 67 x 37	66 x 72 x 42	3..4	500	230	50	5.56
E3DWC200N/TDIG	205	49 x 93 x 45	77 x 100 x 50	3..4	750	230	75	8.65
E3DWC425N/TDIG	425	135 x 53 x 59	175 x 60 x 65	3..12	1750	230	140	13.27
Fan assisted								
E3DWC100F/TDIG	100	40 x 67 x 37	66 x 72 x 42	3..4	500	230	52	8.35
E3DWC200F/TDIG	205	49 x 93 x 45	77 x 100 x 50	3..4	750	230	77	12.97
E3DWC425F/TDIG	425	135 x 53 x 59	175 x 60 x 65	3..12	1750	230	142	18.32
E3DWC885F/TDIG	875	135 x 110 x 59	175 x 118 x 65	3..12	2500	230	210	27.18

*All units tested were a set temperature of 75°C with an empty chamber and the ambient temperature was 22 °C. Energy consumption will differ based on set temperature and ambient conditions.
Fan units are able to remove approximately double the moisture of a convection unit, the time taken to dry a load is therefore halved.
As a result the energy used to dry a load is actually lower for a fan unit compared to a natural convection unit.

Ordering

All units have a 304 Stainless steel interior with a touch screen interface as standard.
Where options are required, simply add the option code to the original reference.
E.g. E3DWC100F/TDIG with extractor unit and wall bracket becomes E3DWC100F/TDIG/EXT/WALL.
Contact sales for bespoke options.

Option Codes

Audible Warning - AWA
Stands/Stacking Kits - STAND
Extended Warranty - X1
Access Ports -AP
Wall Brackets - WALL
Traceable Calibration - SPC
Extractor Systems - EXT

Tanhouse Lane, Widnes, Cheshire WA8 0SR
Tel 0151 424 5001 enquiries@genlab.co.uk www.genlab.co.uk