

Nor-Lake Scientific Solid Door Temperature Test Chambers are patent-pending and utilize a variable speed compressor with natural hydrocarbon refrigerant for environmentally friendly energy savings. Combined with variable heating and PID controls, this is one of the most advanced test chambers on the market.

Nor-Lake Scientific Solid Door Temperature Test Chambers are ideal for stability testing, shelf life, package testing and accelerated aging for a variety of products and packaging.

Optional Accessories:

- Temperature Monitoring Device - WiFi enables, single or dual probes
Contact your Sales Representative to find your application solution
- Additional Shelves - 304 Stainless Steel Perforated Sliding Shelves
- IQ/OQ/PQ Validation Packages - Learn more by contacting your local Sales Representative



Features

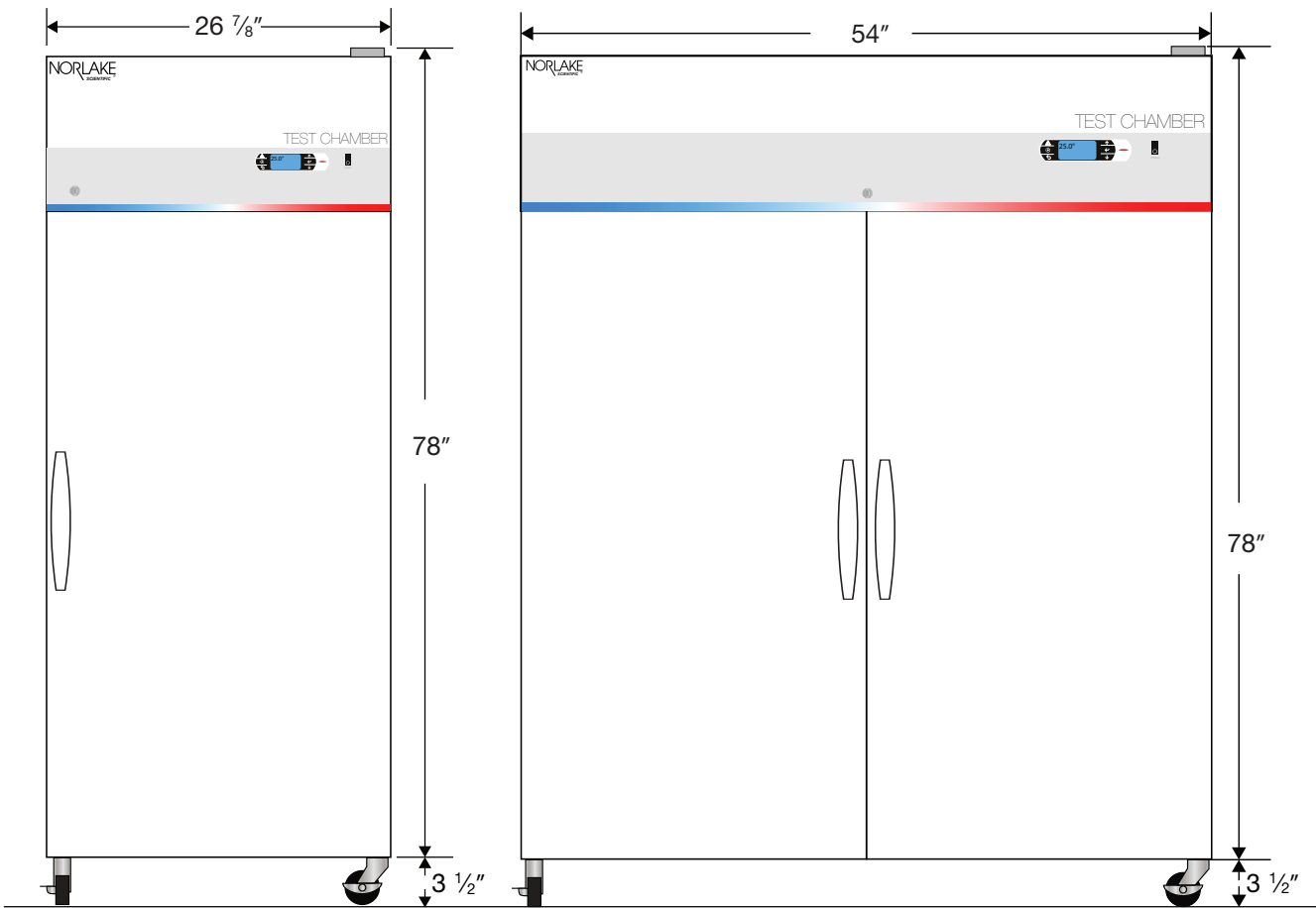
- Smart Controller with full array of alarms
- Top mounted, variable speed compressor
- Full Chamber Plenum for uniform temperatures
- Tool-less removable and reconfigurable interior storage
- Three 304 stainless steel sliding tray shelves per door
- Self-closing door/ Heavy duty door handle
- Probe access port (3/4")
- White-powder coated steel exterior
- Multi-element, independent proportional electric heating
- Temp sensor Type: NTC
- Shielded, switched interior LED lighting
- Magnetic door gasket for positive seal
- Keyed door lock
- 4 swivel casters (3 1/2")
- Hydrocarbon natural refrigerant (R290)
- 18 months parts and labor warranty, with additional 5 year compressor parts warranty



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Detailed Performance Data

- Temperature Stability: +/- 0.5°C from 20°C to 60°C
The published temperature variation is derived from the maximum deviation of the thermocouple located nearest the chamber geometric center during the entire test period. (i.e. +25.0°C min and +26.0°C max divided by two would be a variation of +/-0.5°C).
- Temperature Uniformity: +/- 1°C from 20°C to 60°C
The published temperature uniformity is derived from the maximum deviation of 9 thermocouples are placed on 3 horizontal planes, each plane having the thermocouples evenly spaced diagonally across the shelf from the left and right inner wall, and the middle sensor placed in the approximate geometric center of the shelf.
- Data Collection Protocol: Performance data is based on +23°C, 50% RH ambient conditions, type T-24 Ga. thermocouples with 1.0 oz. brass slugs attached and no product in the chamber. Data may vary if ambient conditions change, product load is added, or other changes cause interference to chamber airflow.



Model	Doors	Shelves	Width"	Depth"	Height"	Refrigerant	H.P.	Amps
NSRI231WSW/0	1 Solid	3 Adj. Sliding	26 7/8	35 3/4	81 1/2	R290	1/3	12
NSRI492WSW/0	2 Solid	6 Adj. Sliding	54	35 3/4	81 1/2	R290	1/3	12

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