



# Upright ULT

## Freezer Comparison



**SU780XLE**



**VAULT100**



**VAULT100PRO**

Engine	M600	M6D	M6D with Quick Change Technology
Storage Capacity	780L (600 2" boxes)	795L (600 2" boxes)	795L (600 2" boxes)
Temperature Range	-20°C to -86°C	-20°C to -100°C	-20°C to -100°C
Temperature Uniformity @-80°C	9.5C (9 probes, 3" from wall)	6.0C (9 probes, 3" from wall)	6.0C (20 probes, 1" from wall)
Temperature Uniformity @-70°C	7.0C (9 probes, 3" from wall)	5.0C (9 probes, 3" from wall)	4.0C (20 probes, 1" from wall)
Temperature Uniformity @-20°C	3.0C (9 probes, 3" from wall)	3.5C (9 probes, 3: from wall)	2.0C (20 probes, 1" from wall)
Recovery from Door Opening to Steady-State*	35 min. at -80°C	26 min. at -80°C	26 min. at -80°C
Warm-Up time from -80°C to -60°C	2.5 hrs.	3.8 hrs.	3.8 hrs.
Accepts Universal AC Power 100-240VAC 50/60Hz	Yes	Yes	Yes
Steady-State Energy Consumption*	6.67kWh/day at -75°C	5.8kWh/day at -75°C	6.6kWh/day at -75°C
Steady-State Heat Dissipation	981 BTU/h at -80°C	754 BTU/h at -80°C	836 BTU/h at -75°C
Graphical User Interface	7" touchscreen	10" touchscreen	10" touchscreen
Inner Cabinet Material	Epoxy powder coat steel	Epoxy powder coat aluminum and steel	Epoxy powder coat aluminum and steel
Onboard Predictive Analytics	No	Yes	Yes
External Communications	Dry contacts, 4-20mA	Dry contacts, 4-20mA	Dry contacts, 4-20mA
BACnet I/P	Yes	Yes	Yes

\* ENERGY STAR Final Test Method: 15s door opening, 1 inner door