

Model:
 NT3ST-LE

High-Efficiency Triple Door Bottle Cooler Energy Class C
 1.35 kWh/24h | 270 Bottle Capacity | 30°C Ambient Rated²



C

ENERGY RATING INFORMATION



Prodis NT3ST-LE



493 kWh/annum



2024/25/26

KEY FEATURES

- Massive Storage Capacity:** Purpose-built for high-volume venues, holding 270 x 275ml bottles (or approx. 244 x 330ml standard lager bottles) to minimize restocking during service.
- Market-Leading Efficiency:** Official Energy Class C rating with a daily consumption of just 1.35 kWh/24h, reducing running costs to as little as ~41p per day.
- Heavy-Duty Cooling:** Tested at Climate Class 3 (25°C) for maximum efficiency, but engineered and warrantied for operation in high-ambient environments up to 30°C.
- Whisper-Quiet Operation:** Running at just 43dB, this unit is perfect for quiet hotel lobbies, meeting spaces, and office boardrooms.
- Premium Merchandising:** Full-width, pure white LED illumination creates a bright, shadow-free display to drive product sales.

TECHNICAL & OPERATIONAL FEATURES

- Precision Control:** Externally mounted digital temperature controller (range +2°C to +10°C) with automatic off-cycle defrost.
- Optimised Airflow:** Front-breathing ventilation system allows for tight installation with minimal clearance required (25mm rear / 10mm sides).
- Temperature Class K4:** Certified to maintain an average product temperature of +5°C, ideal for premium lagers, craft ales, and white wines.
- Security Standard:** Doors feature factory-fitted locks as standard for stock security.
- Construction:** Premium stainless steel exterior with a hygienic, easy-clean aluminium interior.

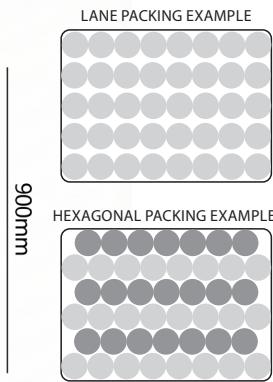
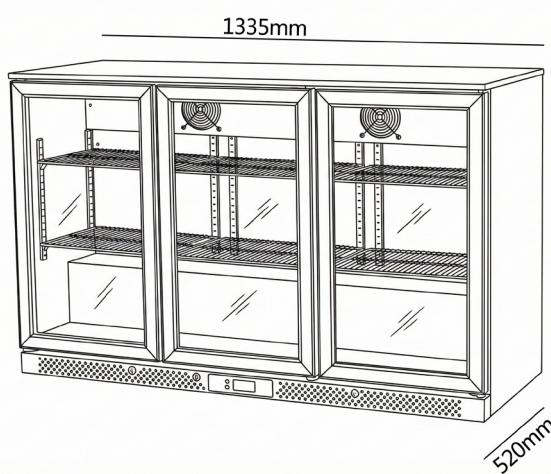
INSTALLATION & MAINTENANCE

- Space-Saving Design:** Slimline 520mm depth ensures a perfect fit behind standard bar counters without protruding into the workspace.
- Replaceable Gaskets:** Door seals are easy to remove and replace, ensuring a tight seal and maintained efficiency over the unit's life.
- Self-Closing Mechanism:** Doors are engineered to close automatically to prevent accidental energy loss, featuring a positive seal system to maintain the Class C efficiency rating.
- Eco-Friendly:** Charged with R600a refrigerant (GWP 3), fully compliant with modern environmental standards.
- Plug & Play:** Supplied with a 1.85m lead and moulded UK 13A plug for immediate installation.

DIMENSION & WEIGHT

TECHNICAL SPECIFICATION

External dimensions (W x D x H mm)	1335 x 520 x 900		Ventilation Requirements (mm)	Rear	25
Internal dimensions (W x D x H mm)	1120 x 355 x 745		Top	20	
Depth door open (mm)	905		Sides	10	
Width doors open (mm)	2145		Refrigerant	R600a	80g
Shelf dimension W x D (mm)	385 x 318 (left & right) 436 x 318 (middle)		Power input (W)	205	
Packaged dimensions W x D x H (mm)	1390 x 560 x 1035		Rated current (A)	1.35	
Net weight (kg)	75		Noise level (dB)	43	
Gross weight (kg)	80.5		Cable length (mm)	1850	
SHELF SPECIFICATION			Climate class (energy test) ¹	3 - 25°C / 60% RH	
Shelf size (W x D mm)	385 x 318 (left & right) 436 x 318 (middle)		Climate class (maximum ambient) ²	4 - 30°C / 55% RH	
Shelf capacity (kg)	20		ENERGY USAGE		
Number of shelves	6		Energy rating	C	
Base size (W x D mm)	1120 x 205		Energy consumption (kWh/24h)	1.35	
BOTTLE CAPACITY			Energy consumption (kWh/annum)	491	
330ml (Ø 61mm) standard bottle	Left & Right	Middle	EEI	34.5	
Shelf capacity	30 (6 x 5 lane packing)	35 (7 x 5 lane packing)	Cabinet family	BCVTn	
	32 (hexagonal packing)	36 (hexagonal packing)	Test standard class	K4	
Base capacity	54 (18 x 3 lane packing)		CABINET CONSTRUCTION		
Total bottle capacity	244 (real world usage figures)		Exterior	Stainless steel	
	254 (maximum theoretical loading)		Interior	Aluminium	
330ml (Ø 58mm) sleek bottle	Left & Right	Middle	Doors	3 x hinged stainless steel frame	
Shelf capacity	30 (6 x 5 lane packing)	35 (7 x 5 lane packing)	Self closing	✓	
	36 (hexagonal packing)	42 (hexagonal packing)	Self closing mechanism	Sprung	
Base capacity	57 (19 x 3 lane packing)		Lockable	✓	
	66 (hexagonal packing)		Glazing	Double glazed & toughened	
Total bottle capacity	247 (real world usage figures)		Interior lighting	✓	
	294 (maximum theoretical loading)		Lighting type	LED	
275ml (Ø 55mm) stubby bottle	Left & Right	Middle	Lighting colour temperature	6000k	
Shelf capacity	35 (7 x 5 lane packing)	35 (7 x 5 lane packing)	Light power (W)	8	
	39 (hexagonal packing)	42 (hexagonal packing)	Light switch	Interior mounted	
Base capacity	60 (20 x 3 lane packing)		Controller	Digital	
	95 (hexagonal packing)		Controller position	External base	
Total bottle capacity	270 (real world usage figures)		Controller display colour	White	
	335 (maximum theoretical loading)		Controller cover	✓	



STANDARD LANE PACKING (GRID LAYOUT)

The Standard Lane Packing method prioritizes accessibility and cooling efficiency over maximum density. In this configuration, bottles are aligned in straight columns and rows, creating a reliable grid where the theoretical capacity is easily achieved in the real world. Crucially, the void spaces naturally formed between the non-nested bottles significantly increase airflow throughout the cabinet. This enhanced circulation ensures rapid temperature drawdown and uniform cooling, which maximizes the energy efficiency of the refrigeration system. This layout is the ideal choice for operations where quick restocking, lower energy consumption, and product visibility are the primary requirements.

HEXAGONAL PACKING (HONEYCOMB LAYOUT)

The Hexagonal Packing method utilizes geometric efficiency to maximize storage density by nesting each new row of bottles into the triangular gaps of the previous one. This "staggered" arrangement delivers a substantial increase in stock holding capacity compared to a standard grid. However, there is often a distinction between the mathematical maximum and the "Efficient Real-World" capacity, as the tightest theoretical fit can make loading difficult. Furthermore, this increased density reduces the gaps between bottles, restricting airflow through the shelf. While this method allows for maximum volume, the limited air circulation means the refrigeration unit may work harder to cool the product, resulting in increased energy usage.

¹ Testing Standard: Official Energy Efficiency Class 'C' and daily consumption figures (1.35 kWh/24h) are verified under EN16902 standards at Climate Class 3 (25°C / 60% RH).

² Operational Limit: This unit is engineered with a heavy-duty cooling system warrantied for continuous operation in ambient temperatures up to 30°C (Climate Class 4). Note that energy consumption will naturally exceed published test figures when operating in ambients above 25°C.

