

Model:  
 NT10-LE

High-Capacity Upright Bottle Cooler Energy Class D  
 1.59 kWh/24h | 252 Bottle Capacity | 30°C Ambient Rated<sup>2</sup>



D

#### ENERGY RATING INFORMATION



Prodis NT10-LE



580 kWh/annum



2020

D

#### KEY FEATURES

- Vertical Merchandising:** Tall 1800mm design maximises product visibility and storage density, holding 324 x 275ml bottles on a compact 600mm footprint
- Low Energy Consumption:** Official Energy Class D rating with a daily consumption of just 1.59 kWh/24h, costing approximately ~46p per day to run
- Heavy Duty Cooling:** Efficient R600a system, tested to Climate Class 3 and warrantied for high-ambient operation up to 30°C.
- Premium Presentation:** Includes 5 adjustable shelves and full-height pure white LED illumination to create a bright, shadow-free display that drives impulse sales.
- Whisper-Quiet Operation:** Runs at just 43dB, making it suitable for quiet retail areas, office boardrooms, or front-of-house displays.
- Secure & Robust:** Features a double-glazed safety glass door with a standard lock to secure high-value stock.

#### TECHNICAL & OPERATIONAL FEATURES

- Precision Control:** Precision digital temperature controller with clear external LED display for easy monitoring.
- 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:** Hard-wearing black exterior with a hygienic, easy-clean aluminium interior.

#### INSTALLATION & MAINTENANCE

- Shelving:** Supplied with 5 x fully adjustable shelves (plus base storage), allowing for flexible configuration of bottles, cans, or cartons.
- Self-Closing Mechanism:** Doors are engineered to close automatically to prevent accidental energy loss, featuring a positive seal system to maintain the Class D 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.
- Levelling:** Fitted with adjustable feet to ensure stability on even flooring.

## DIMENSION &amp; WEIGHT

External dimensions (W x D x H mm)	600 x 515 x 1800
Internal dimensions (W x D x H mm)	510 x 355 x 1315
Depth door open (mm)	1085
Width doors open (mm)	1170
Shelf dimension W x D (mm)	484 x 350
Packaged dimensions W x D x H (mm)	655 x 580 x 1960
Net weight (kg)	77
Gross weight (kg)	82.5

## TECHNICAL SPECIFICATION

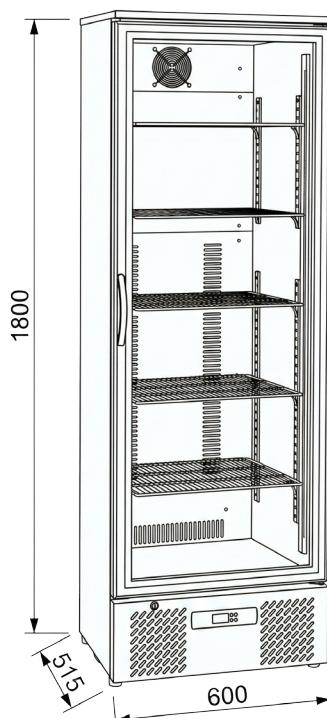
Ventilation Requirements (mm)	Rear	25
	Top	20
	Sides	10
Refrigerant	R600a	60g
Power input (W)	200	
Rated current (A)	1.85	
Noise level (dB)	43	
Cable length (mm)	1850	
Climate class (energy test) <sup>1</sup>	3 - 25°C / 60% RH	
Climate class (maximum ambient) <sup>2</sup>	4 - 30°C / 55% RH	

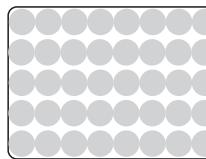
SHELF SPECIFICATION		ENERGY USAGE	
Shelf size (W x D mm)	484 x 350	Energy rating	D
Shelf capacity (kg)	20	Energy consumption (kWh/24h)	1.59
Number of shelves	5	Energy consumption (kWh/annum)	580
Base size (W x D mm)	484 x 350	EEI	41.6

BOTTLE CAPACITY		CABINET CONSTRUCTION	
<b>330ml (Ø 61mm) standard bottle</b>		Cabinet family	BCVTn
Shelf capacity	35 (7 x 6 lane packing)	Test standard class	K4
Base capacity	45 (hexagonal packing)		
Total bottle capacity	210 (real world usage figures)	Exterior	Black powder coated
	270 (maximum theoretical loading)	Interior	Aluminium
<b>330ml (Ø 58mm) sleek bottle</b>		Doors	1 x hinged plastic door frame
Shelf capacity	48 (8 x 6 lane packing)	Self closing	✓
	50 (hexagonal packing)	Self closing mechanism	Spring
Base capacity	48 (8 x 6 lane packing)	Lockable	✓
	50 (hexagonal packing)	Glazing	Double glazed & toughened
Total bottle capacity	288 (real world usage figures)	Interior lighting	✓
	300 (maximum theoretical loading)	Lighting type	LED
<b>275ml (Ø 55mm) stubby bottle</b>		Lighting colour temperature	6000k
Shelf capacity	54 (9 x 6 lane packing)	Light power (W)	2 x 8
	60 (hexagonal packing)	Light switch	Interior mounted
Base capacity	54 (9 x 6 lane packing)	Controller	Digital
	60 (hexagonal packing)	Controller position	External base
Total bottle capacity	324 (real world usage figures)	Controller display colour	White
	360 (maximum theoretical loading)	Controller cover	✓



## LANE PACKING EXAMPLE



## 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.

<sup>1</sup> Testing Standard: Official Energy Efficiency Class 'D' and daily consumption figures (1.59 kWh/24h) are verified under EN16902 standards at Climate Class 3 (25°C / 60% RH).

<sup>2</sup> 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.

