

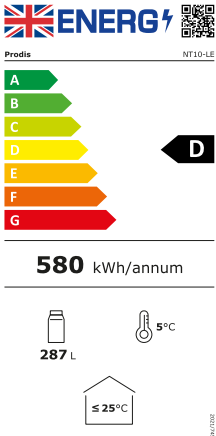
Model: NT10-LE

High-Capacity Upright Bottle Cooler Energy Class D
1.59 kWh/24h | 252 Bottle Capacity | 30°C Ambient Rated²



D

ENERGY RATING INFORMATION

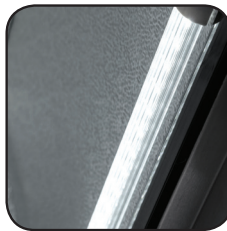


GENERAL INFORMATION

The Prodis NT10-LE is a high-impact upright merchandising unit designed to maximize product visibility while occupying a minimal footprint. Standing 1800mm tall but just 600mm wide, it utilizes vertical space to offer a massive 252-bottle capacity, making it perfect for retailers, busy bars, and canteens where floor space is scarce but sales volume is high.

Despite its large capacity, the NT10-LE remains energy efficient. Rated as an Energy Class D appliance with a daily consumption of just 1.59 kWh, it features 5 adjustable shelves, a pure white LED interior, and a heavy-duty cooling system designed to maintain temperature even in demanding commercial environments (up to 30°C ambient).

KEY FEATURES



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- **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 & 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 |

SHELF SPECIFICATION

| | |
|-----------------------|-----------|
| Shelf size (W x D mm) | 484 x 350 |
| Shelf capacity (kg) | 20 |
| Number of shelves | 5 |
| Base size (W x D mm) | 484 x 350 |

BOTTLE CAPACITY

| | |
|---------------------------------------|-----------------------------------|
| 330ml (ø 61mm) standard bottle | |
| Shelf capacity) | 35 (7 x 6 lane packing) |
| | 45 (hexagonal packing) |
| Base capacity | 35 (7 x 5 lane packing) |
| Total bottle capacity | 210 (real world usage figures) |
| | 270 (maximum theoretical loading) |
| 330ml (ø 58mm) sleek bottle | |
| Shelf capacity | 48 (8 x 6 lane packing) |
| | 50 (hexagonal packing) |
| Base capacity | 48 (8 x 6 lane packing) |
| | 50 (hexagonal packing) |
| Total bottle capacity | 288 (real world usage figures) |
| | 300 (maximum theoretical loading) |
| 275ml (ø 55mm) stubby bottle | |
| Shelf capacity | 54 (9 x 6 lane packing) |
| | 60 (hexagonal packing) |
| Base capacity | 54 (9 x 6 lane packing) |
| | 60 (hexagonal packing) |
| Total bottle capacity | 324 (real world usage figures) |
| | 360 (maximum theoretical loading) |

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) ¹ | 3 - 25°C / 60% RH | |
| Climate class (maximum ambient) ² | 4 - 30°C / 55% RH | |

ENERGY USAGE

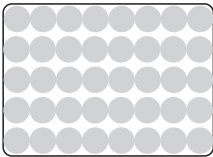
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| Energy rating | D |
| Energy consumption (kWh/24h) | 1.59 |
| Energy consumption (kWh/annum) | 580 |
| EEL | 41.6 |

| | |
|---------------------|-------|
| Cabinet family | BCVTn |
| Test standard class | K4 |

CABINET CONSTRUCTION

| | |
|-----------------------------|-------------------------------|
| Exterior | Black powder coated |
| Interior | Aluminium |
| Doors | 1 x hinged plastic door frame |
| Self closing | ✓ |
| Self closing mechanism | Spring |
| Lockable | ✓ |
| Glazing | Double glazed & toughened |
| Interior lighting | ✓ |
| Lighting type | LED |
| Lighting colour temperature | 6000k |
| Light power (W) | 2 x 8 |
| Light switch | Interior mounted |
| Controller | Digital |
| Controller position | External base |
| Controller display colour | White |
| Controller cover | ✓ |

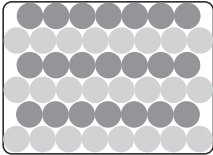
LANE PACKING EXAMPLE



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 EXAMPLE



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.

¹Testing 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).

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.

