Project Distribution Ltd
Unit 1 Sun Street,
Stoke on Trent,
ST1 4JW
Tel: 01782 280289
www.prodis.co.uk
sales@prodis.co.uk

**Model:**
**NT1BHSP-LE**

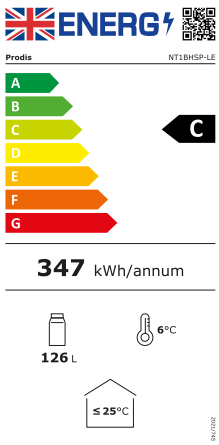
**High-Efficiency Single Door Bottle Cooler Energy Class C**
**0.95 kWh/24h | 107 Bottle Capacity | 30°C Ambient Rated[2]**


## GENERAL INFORMATION

The Prodis NT1BHSP-LE combines market-leading efficiency with essential installation flexibility. Featuring a factory-fitted left-hand hinged door, this model is the perfect solution for positioning at the end of a run of coolers or in tight corners where a standard right-hand opening would restrict access. It allows bar designers to optimize workflow and create a seamless "French door" effect when paired alongside a standard unit.

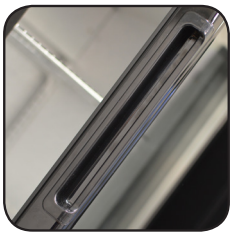
Officially rated as an Energy Class C appliance, it retains the series' exceptional performance, consuming just 0.95 kWh per 24 hours (approx. 29p per day). Engineered for longevity with a heavy-duty R600a cooling system and warrantied for 30°C ambients, the NT1BHSP-LE ensures that choosing a flexible layout doesn't mean compromising on efficiency or cold beer.

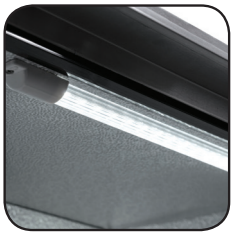
## ENERGY RATING INFORMATION




## KEY FEATURES





## KEY FEATURES

- **Market-Leading Efficiency:** Official Energy Class C rating with a daily consumption of just 0.95 kWh/24h, reducing running costs to as little as ~29p 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.
- **Optimised Capacity:** Efficient internal design holds 107 x 275ml bottles* (or 94 x 330ml standard lager bottles) across 2 adjustable shelves and the base.
- **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.
- **Left-Hand Hinge:** Factory fitted left-hand opening, ideal for end-of-run installation or restricted access areas.

## 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:** Hard-wearing black exterior with a hygienic, easy-clean aluminium interior.

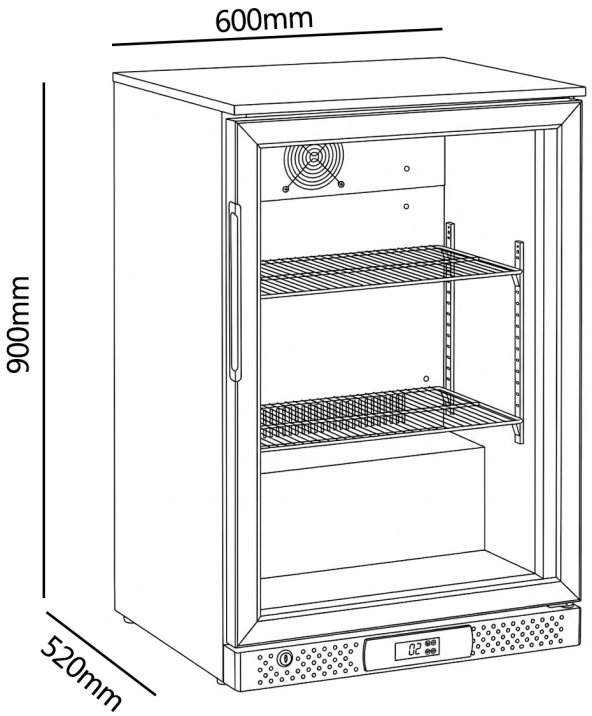
## INSTALLATION & MAINTENANCE

- **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.

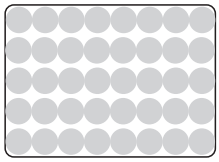
## SPECIFICATION NT1BHSP-LE

| DIMENSION & WEIGHT | |
|---|---|
| External dimensions (W x D x H mm) | 600 x 520 x 900 |
| Internal dimensions (W x D x H mm) | 510 x 355 x 745 |
| Depth door open (mm) | 1035 |
| Width doors open (mm) | 765 |
| Shelf dimension W x D (mm) | 485 x 318 |
| Packaged dimensions W x D x H (mm) | 655 x 560 x 1035 |
| Net weight (kg) | 40 |
| Gross weight (kg) | 45.5 |
| **SHELF SPECIFICATION** | |
| Shelf size (W x D mm) | 485 x 318 |
| Shelf capacity (kg) | 20 |
| Number of shelves | 2 |
| Base size (W x D mm) | 510 x 205 |
| **BOTTLE CAPACITY** | |
| **330ml (ø 61mm**) standard bottle | |
| Shelf capacity) | 35 (7 x 5 lane packing) |
| | 41 (hexagonal packing) |
| Base capacity | 24 (8 x 3 lane packing) |
| Total bottle capacity | 94 (real world usage figures) |
| | 106 (maximum theoretical loading) |
| **330ml (ø 58mm** ) sleek bottle | |
| Shelf capacity | 40 (8 x 5 lane packing) |
| | 45 (hexagonal packing) |
| Base capacity | 24 (8 x 3 lane packing) |
| | 27 (hexagonal packing) |
| Total bottle capacity | 104 (real world usage figures) |
| | 117 (maximum theoretical loading) |
| **275ml (ø 55mm**) stubby bottle | |
| Shelf capacity | 40 (8 x 5 lane packing) |
| | 50 (hexagonal packing) |
| Base capacity | 27 (9 x 3 lane packing) |
| | 34 (hexagonal packing) |
| Total bottle capacity | 107 (real world usage figures) |
| | 134 (maximum theoretical loading) |

| TECHNICAL SPECIFICATION | | |
|---|---|---|
| Ventilation Requirements (mm) | Rear | 25 |
| | Top | 20 |
| | Sides | 10 |
| Refrigerant | R600a 40g | |
| Power input (W) | 135 | |
| Rated current (A) | 0.95 | |
| 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** | | |
| Energy rating | C | |
| Energy consumption (kWh/24h) | 0.95 | |
| Energy consumption (kWh/annum) | 347 | |
| EEI | 33.3 | |
| Cabinet family | BCVTn | |
| Test standard class | K4 | |
| **CABINET CONSTRUCTION** | | |
| Exterior | Black powder coated | |
| Interior | Aluminium | |
| Doors | 1 x left-hand hinged plastic frame | |
| Self closing | ✓ | |
| Self closing mechanism | Sprung | |
| Lockable | ✓ | |
| Glazing | Double glazed & toughened | |
| Interior lighting | ✓ | |
| Lighting type | LED | |
| Lighting colour temperature | 6000k | |
| Light power (W) | 4 | |
| Light switch | Interior mounted | |
| Controller | Digital | |
| Controller position | External base | |
| Controller display colour | White | |
| Controller cover | ✓ | |

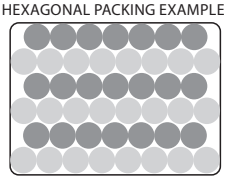



LANE PACKING EXAMPLE



**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.

[1] Testing Standard: Official Energy Efficiency Class 'C' and daily consumption figures (0.95 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.

CE UK CA NT SERIES