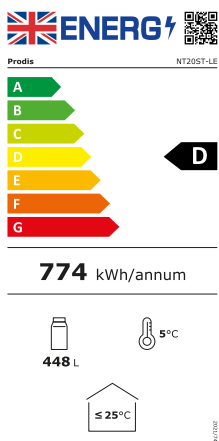


Model: NT20ST-LE High-Capacity Double Door Upright Bottle Cooler Energy Class D
2.12 kWh/24h | 504 Bottle Capacity | 30°C Ambient Rated²



D

ENERGY RATING INFORMATION



GENERAL INFORMATION

The Prodis NT20ST-LE combines massive storage capacity with a premium stainless steel exterior, making it the ultimate merchandising solution for venues that demand both performance and style. Standing 1800mm tall with a 900mm width, this double-door unit acts as a stunning visual centerpiece, holding an impressive 360 bottles behind a sleek, durable facade.

Distinguished by its professional finish, the NT20ST-LE offers superior resistance to wear and easier cleaning compared to standard painted units. Despite its size, it remains highly efficient; officially rated as an Energy Class D appliance, it consumes just 2.12 kWh per 24 hours. With heavy-duty cooling warrantied for 30°C ambient temperatures and whisper-quiet operation, it delivers the perfect balance of rugged durability and front-of-house elegance..

KEY FEATURES



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- **Vertical Merchandising:** Tall 1800mm design maximises product visibility and storage density, holding 504 x 275ml bottles on a compact 900mm footprint
- **Low Energy Consumption:** Official Energy Class D rating with a daily consumption of just 2.12 kWh/24h, costing approximately ~64p 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.
- **Stainless Steel Construction:** Premium stainless steel exterior provides a contemporary, professional look and enhanced durability compared to standard painted finishes.

INSTALLATION & MAINTENANCE

- **Shelving:** Supplied with 10 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)	900 x 515 x 1800
Internal dimensions (W x D x H mm)	810 x 355 x 1315
Depth door open (mm)	904
Width doors open (mm)	1420
Shelf dimension W x D (mm)	389 x 350 (left & right)
Packaged dimensions W x D x H (mm)	955 x 580 x 1960
Net weight (kg)	100
Gross weight (kg)	105.5

SHELF SPECIFICATION

Shelf size (W x D mm)	389 x 350
Shelf capacity (kg)	20
Number of shelves	10
Base size (W x D mm)	778 x 350

BOTTLE CAPACITY

330ml (ø 61mm) standard bottle	
Shelf capacity)	30 (6 x 5 lane packing) 35 (hexagonal packing)
Base capacity	60 (12 x 5 lane packing)
Total bottle capacity	360 (real world usage figures) 410 (maximum theoretical loading)
330ml (ø 58mm) sleek bottle	
Shelf capacity	36 (6 x 6 lane packing) 39 (hexagonal packing)
Base capacity	78 (13 x 6 lane packing) 83 (hexagonal packing)
Total bottle capacity	438 (real world usage figures) 473 (maximum theoretical loading)
275ml (ø 55mm) stubby bottle	
Shelf capacity	42 (7 x 6 lane packing) 46 (hexagonal packing)
Base capacity	84 (14 x 6 lane packing) 95 (hexagonal packing)
Total bottle capacity	504 (real world usage figures) 555 (maximum theoretical loading)

TECHNICAL SPECIFICATION

Ventilation Requirements (mm)	Rear	25
	Top	20
	Sides	10
Refrigerant	R600a 80g	
Power input (W)	250	
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

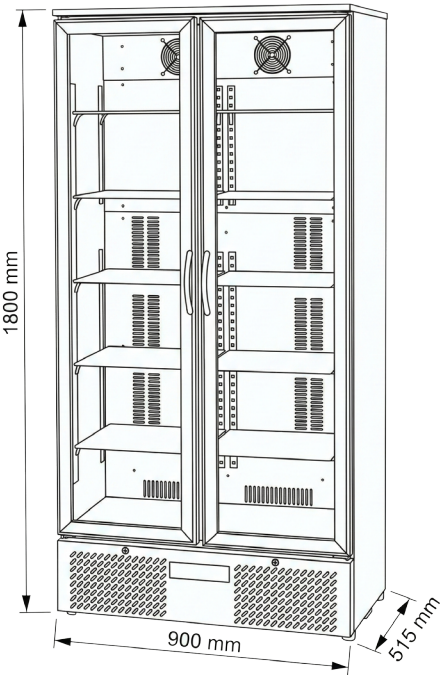
ENERGY USAGE

Energy rating	D
Energy consumption (kWh/24h)	2.12
Energy consumption (kWh/annum)	774
EEL	44.3

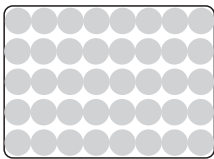
Cabinet family	BCVTn
Test standard class	K4

CABINET CONSTRUCTION

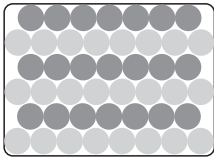
Exterior	Stainless steel
Interior	Aluminium
Doors	2 x stainless steel frame
Self closing	✓
Self closing mechanism	Spring
Lockable	✓
Glazing	Double glazed & toughened
Interior lighting	✓
Lighting type	LED
Lighting colour temperature	6000k
Light power (W)	2 x 8
Light switch	Interior mounted
Controller	Digital
Controller position	External base
Controller display colour	White
Controller cover	✓



LANE PACKING EXAMPLE



HEXAGONAL 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.

¹Testing Standard: Official Energy Efficiency Class 'D' and daily consumption figures (2.12 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.

