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

Model:
NT3BS-LE

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

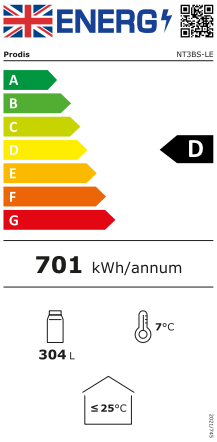
GENERAL INFORMATION

The Prodis NT3BS-LE is a high-capacity, three-door back bar cooler designed specifically for bars, pubs, and clubs where space is at a premium. Unlike standard hinged units, this model features self-closing sliding doors, eliminating the need for clearance space in front of the unit and preventing walkways from being blocked during service.

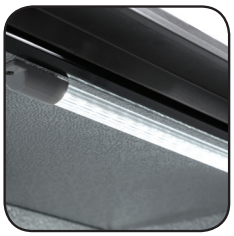
With a substantial capacity of 270 x 275ml bottles, the NT3BS-LE combines efficient storage with robust cooling performance. It utilizes eco-friendly R600a refrigerant and operates at a quiet 43dB, making it ideal for front-of-house placement.

D

ENERGY RATING INFORMATION



KEY FEATURES



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 D rating with a daily consumption of just 1.92 kWh/24h, reducing running costs to as little as ~58p 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:** Hard-wearing black exterior with a hygienic, easy-clean aluminium interior.

INSTALLATION & MAINTENANCE

- **Zero-Obstruction Design:** Sliding doors eliminate the swing radius entirely, ensuring the unit never protrudes into the service aisle. This is the critical specification for narrow bars where staff mobility is a priority.
- **Total "Zero-Clearance" Width:** Unlike hinged units that require extra width for the doors to open effectively, this unit operates within its fixed 1335mm footprint, allowing it to be installed directly next to other equipment without clashing.
- **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 NT3BS-LE

DIMENSION & WEIGHT

External dimensions (W x D x H mm)	1335 x 520 x 900
Internal dimensions (W x D x H mm)	1120 x 355 x 745
Depth door open (mm)	-
Width doors open (mm)	-
Shelf dimension W x D (mm)	385 x 318 (left & right) 436 x 318 (middle)
Packaged dimensions W x D x H (mm)	1390 x 560 x 1035
Net weight (kg)	75
Gross weight (kg)	80.5

SHELF SPECIFICATION

Shelf size (W x D mm)	385 x 318 (left & right) 436 x 318 (middle)
Shelf capacity (kg)	20
Number of shelves	6
Base size (W x D mm)	1120 x 205

BOTTLE CAPACITY

330ml (ø 61mm) standard bottle	Left & Right	Middle
Shelf capacity)	30 (6 x 5 lane packing)	35 (7 x 5 lane packing)
	32 (hexagonal packing)	36 (hexagonal packing)
Base capacity	54 (18 x 3 lane packing)	
Total bottle capacity	244 (real world usage figures)	
	254 (maximum theoretical loading)	
330ml (ø 58mm) sleek bottle	Left & Right	Middle
Shelf capacity	30 (6 x 5 lane packing)	35 (7 x 5 lane packing)
	36 (hexagonal packing)	42 (hexagonal packing)
Base capacity	57 (19 x 3 lane packing)	
	66 (hexagonal packing)	
Total bottle capacity	247 (real world usage figures)	
	294 (maximum theoretical loading)	
275ml (ø 55mm) stubby bottle	Left & Right	Middle
Shelf capacity	35 (7 x 5 lane packing)	35 (7 x 5 lane packing)
	39 (hexagonal packing)	42 (hexagonal packing)
Base capacity	60 (20 x 3 lane packing)	
	95 (hexagonal packing)	
Total bottle capacity	270 (real world usage figures)	
	335 (maximum theoretical loading)	

TECHNICAL SPECIFICATION

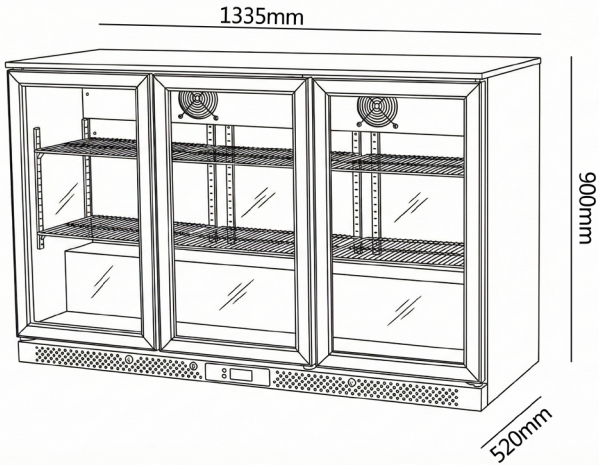
Ventilation Requirements (mm)	Rear	25
	Top	20
	Sides	10
Refrigerant	R600a 80g	
Power input (W)	205	
Rated current (A)	1.48	
Noise level (dB)	43	
Cable length (mm)	1850	
Climate class (energy test)[1]	3 - 25°c / 60% RH	
Climate class (maximum ambient)[2]	4 - 30°c / 55% RH	

ENERGY USAGE

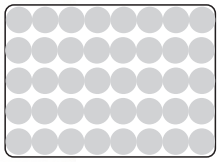
Energy rating	D
Energy consumption (kWh/24h)	1.92
Energy consumption (kWh/annum)	701
EEI	49
Cabinet family	BCVTn
Test standard class	K4

CABINET CONSTRUCTION

Exterior	Black powder coated
Interior	Aluminium
Doors	3 x sliding
Self closing	✓
Self closing mechanism	Counterweight
Lockable	✓
Glazing	Double glazed & toughened
Interior lighting	✓
Lighting type	LED
Lighting colour temperature	6000k
Light power (W)	8
Light switch	Interior mounted
Controller	Digital
Controller position	External base
Controller display colour	White
Controller cover	✓

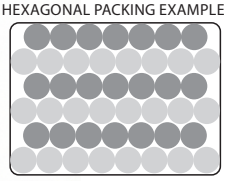


LANE PACKING EXAMPLE



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.

[1] Testing Standard: Official Energy Efficiency Class 'C' and daily consumption figures (1.92 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