

Model:
NT5-LE

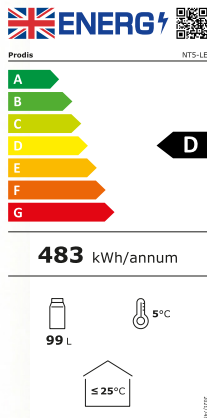
High-Efficiency Slimline Vertical Bottle Cooler
Energy Class D | 1.32 kWh/24h | 99L Capacity | Illuminated Branding Canopy | 30°C Ambient Rated²

GENERAL INFORMATION

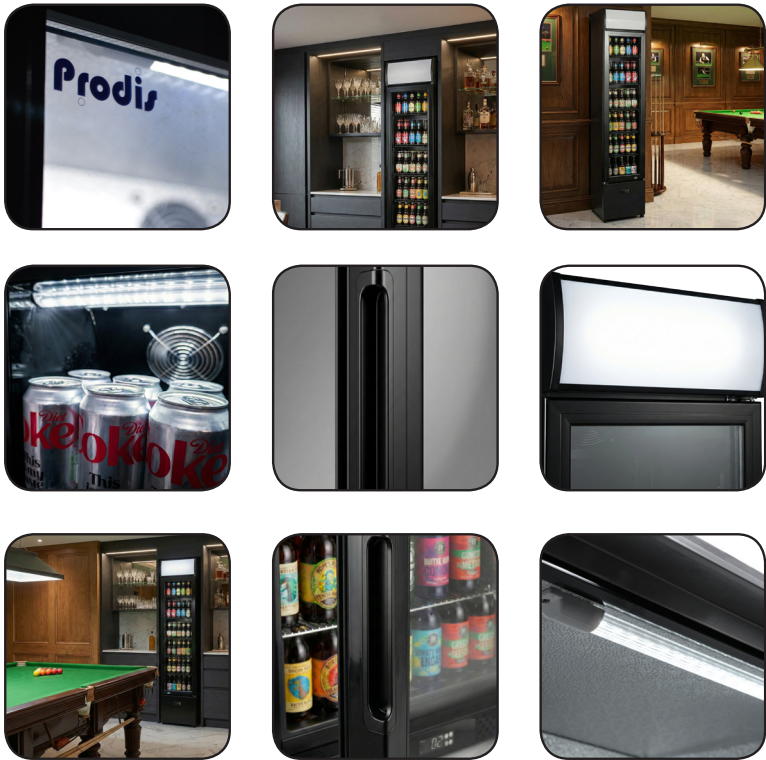
The Prodis NT5-LE is the ultimate vertical display solution engineered specifically for high-volume venues where floor space is at an absolute premium. Standing at an impressive 1880mm height with an ultra-narrow 360mm footprint, this slimline cabinet seamlessly integrates into tight back-bar niches, alcoves, or at the end of a busy service counter to capture maximum visual attention.

As part of our flagship Low Energy (LE) series, the unit combines eco-friendly R600a hydrocarbon refrigerant with precision digital climate control. The NT5-LE features a sophisticated all-black 'jewel box' aesthetic, an illuminated top merchandising canopy for bespoke venue branding, and double-glazed glass doors to turn compact floor space into a high-profit retail display.

ENERGY RATING INFORMATION



KEY FEATURES



KEY FEATURES

- Ultra-Slimline Footprint:** Engineered with a narrow 360mm width to maximise vertical storage efficiency in space-constrained floor plans.
- Customisable Branding Zone:** Features an integrated top-mounted illuminated canopy designed for high-impact branding to drive impulse sales.
- Low Energy (LE) Performance:** High-efficiency R600a hydrocarbon refrigeration system significantly reduces daily energy consumption and operational running costs.
- Sophisticated All-Black Design:** Professional matte black exterior paired with a high-contrast black interior to create a sleek, modern 'jewel box' aesthetic.
- Flexible Vertical Merchandising:** Supplied with 5 adjustable black wire shelves to easily accommodate various bottle and can sizes.
- Whisper-Quiet Operation:** Running at just 42dB, this unit ensures discreet performance in noise-sensitive environments such as hotel lounges and dining areas.

TECHNICAL & OPERATIONAL FEATURES

- Precision Control:** Externally mounted digital temperature controller (range +2°C to +10°C) with automatic defrost management.
- Optimised Airflow:** Front-breathing ventilation system enables tight installation with minimal clearance requirements (25mm rear / 20mm top / 10mm sides).
- Heavy-Duty Climate Rating:** Certified at Climate Class 3 (25°C) for testing, but engineered and warranted for continuous operation in high-ambient environments up to 30°C (Climate Class 4).
- Inventory Security:** Doors feature factory-fitted security locks as standard to protect valuable stock.

INSTALLATION & MAINTENANCE

- Replaceable Gaskets:** Removable door seals allow effortless cleaning and replacement, ensuring maintained efficiency and thermal integrity.
- Self-Closing Mechanism:** Engineered with a sprung self-closing door system to prevent accidental cold air leakage and maintain internal temperatures.
- Eco-Friendly Refrigerant:** Charged with natural R600a hydrocarbon refrigerant (GWP 3) for complete environmental compliance.
- Plug & Play:** Factory-fitted with a 1.85m power cable and standard UK 13A plug for immediate deployment.

DIMENSION & WEIGHT

External dimensions (W x D x H mm)	360 x 422 x 1880
Internal dimensions (W x D x H mm)	274 x 278 x 1298
Depth door open (mm)	770
Width doors open (mm)	690
Shelf dimension W x D (mm)	248 x 265
Packaged dimensions W x D x H (mm)	425 x 455 x 1930
Net weight (kg)	43
Gross weight (kg)	48.5

SHELF SPECIFICATION

Shelf size (W x D mm)	248 x 265
Shelf capacity (kg)	20
Number of shelves	5
Base size (W x D mm)	248 x 265

BOTTLE CAPACITY

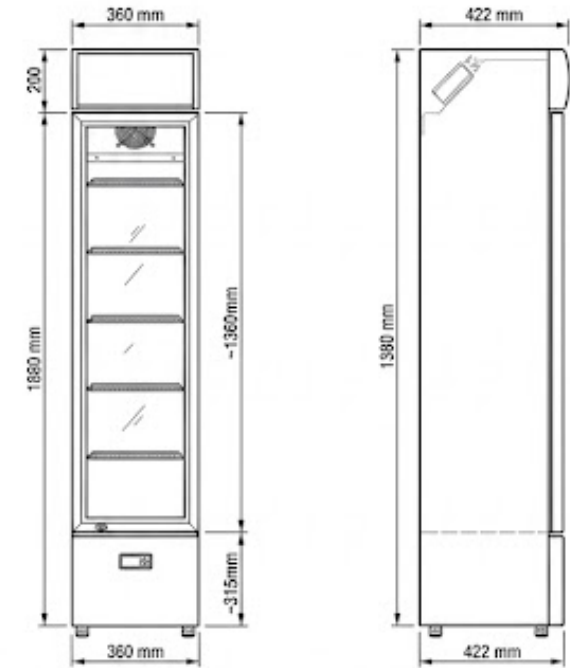
330ml (ø 61mm) standard bottle	
Shelf capacity	16 (4 x4 lane packing)
	-
Base capacity	16 (4 x 4 lane packing)
Total bottle capacity	96 (lane packing)
	-
330ml (ø 58mm) sleek bottle	
Shelf capacity	16 (4 x4 lane packing)
	18 (hexagonal packing)
Base capacity	16 (4 x4 lane packing)
	18 (hexagonal packing)
Total bottle capacity	96 (4 x 4 lane packing)
	108 (hexagonal packing)
275ml (ø 55mm) stubby bottle	
Shelf capacity	16 (4 x4 lane packing)
	20 (hexagonal packing)
Base capacity	16 (4 x4 lane packing)
	20 (hexagonal packing)
Total bottle capacity	96 (lane packing)
	120 (hexagonal packing)

TECHNICAL SPECIFICATION

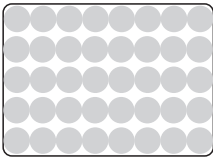
Ventilation Requirements (mm)	Rear	25
	Top	20
	Sides	10
Refrigerant	R600a 45g	
Power input (W)	135	
Rated current (A)	0.90	
Noise level (dB)	42	
Cable length (mm)	1850	
Climate class (energy test) ¹	3 - 25°C / 60% RH	
Climate class (maximum ambient) ²	4 - 30°C / 55% RH	
ENERGY USAGE		
Energy rating	D	
Energy consumption (kWh/24h)	1.32	
Energy consumption (kWh/annum)	482	

CABINET CONSTRUCTION

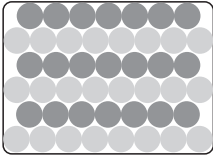
Cabinet family	BCVTn
Test standard class	K4
Exterior	Black powder coated
Interior	Hygienic black plastic
Doors	1 x hinged plastic frame
Self closing	✓
Self closing mechanism	Sprung
Lockable	✓
Glazing	Double glazed & toughened
Interior lighting	✓
Lighting type	LED
Lighting colour temperature	6000k
Light power (W)	1.5
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 'C' and daily consumption figures (1.32 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.

