



WILLIAMS-REFRIGERATION.COM.AU

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Hydrocarbon systems

DESIGN EXCELLENCE : COOL TECHNOLOGY



Helping you save on energy costs and reducing your carbon footprint

As refrigeration equipment runs 24-7 and 365 days a year its energy consumption is of increasing focus. Through **greenlogic** Williams sets out its criteria for ensuring commitment is given to providing the equipment for today's market—along with assurances as to its professional business standards, accreditation and social responsibility.

Regulation is constantly evolving to further drive environmental compliance and transformation; and through **greenlogic** Williams hope to gain awareness specifying and selecting equipment, recognising Regulation raises the bar for product development and innovation and can offer tax benefits.

Operating in a social and environmentally aware landscape is critical for all our futures and this we see as underscored by third party verification of systems, the business and product itself.

Greenlogic is Williams' commitment to supplying the most energy efficient and sustainable commercial refrigeration in today's market. It's not limited to product design—**greenlogic** covers our plant, manufacturing and management processes too. Our **greenlogic** Customer Support gives advice on making the right decisions for our customers business and the environment.

Williams' commitment to green refrigeration stretches back decades. In the 1980's we were the first manufacturer to develop CFC-free insulation. In the 1990's we developed the first catering refrigeration to use an environment-friendly refrigerant (glycol) with an Ozone Depletion Potential (ODP) of zero. We've pioneered a raft of greener technologies, ranging from energy-saving Smart Controllers to systems using eco-friendly refrigerants.



Hydrocarbon extraction



Hydrocarbon charging station

Williams Refrigeration leads the way in developing the use of greener refrigerants—offering new, energy-efficient hydrocarbon based systems.

Innovation and commitment

As refrigeration equipment runs 24-7 and 365 days a year its energy consumption is of increasing focus. Regulation is also evolving to drive kinder environmental innovations. Through **greenlogic** Williams sets out its criteria for assurances as to its professional business standards, accreditation and social responsibility.

Greenlogic is Williams' commitment to supplying the most energy efficient and sustainable commercial refrigeration in today's market. It's not limited to product design—**greenlogic** covers our plant, manufacturing and management processes too. We've pioneered a raft of greener technologies, ranging from energy-saving Smart Controllers to systems using eco-friendly refrigerants.

Why hydrocarbons?

Hydrocarbons are better for the environment

Hydrocarbons (HC) are naturally occurring, highly efficient refrigerant gasses which have almost no negative impact on the environment.

Hydrocarbons save energy

R290HC, the hydrocarbon used by Williams, is pure propane. Its thermodynamic properties are so superior that it reduces energy consumption by up to 15% compared to standard refrigerants.

Hydrocarbons save money

Because less energy is consumed, hydrocarbons will in-turn provide a reduction in energy costs.

Hydrocarbons are better to work with

Using hydrocarbons means both heat and noise outputs from the condenser are reduced, making the working environment both quieter and more comfortable.



Jade Hydrocarbon

self contained

The Hydrocarbon (R290) Jade range is designed for the toughest kitchen environments and offers outstanding performance, efficiency and reliability. These 2/1 Gastronorm (Gn) storage cabinets come in a one or two door configuration with your choice of both fridge and freezer. The advanced temperature control ensures easy-to-manage operation in even the most demanding high-ambient environments.



Digital controller



Top mounted



GN pan compatible



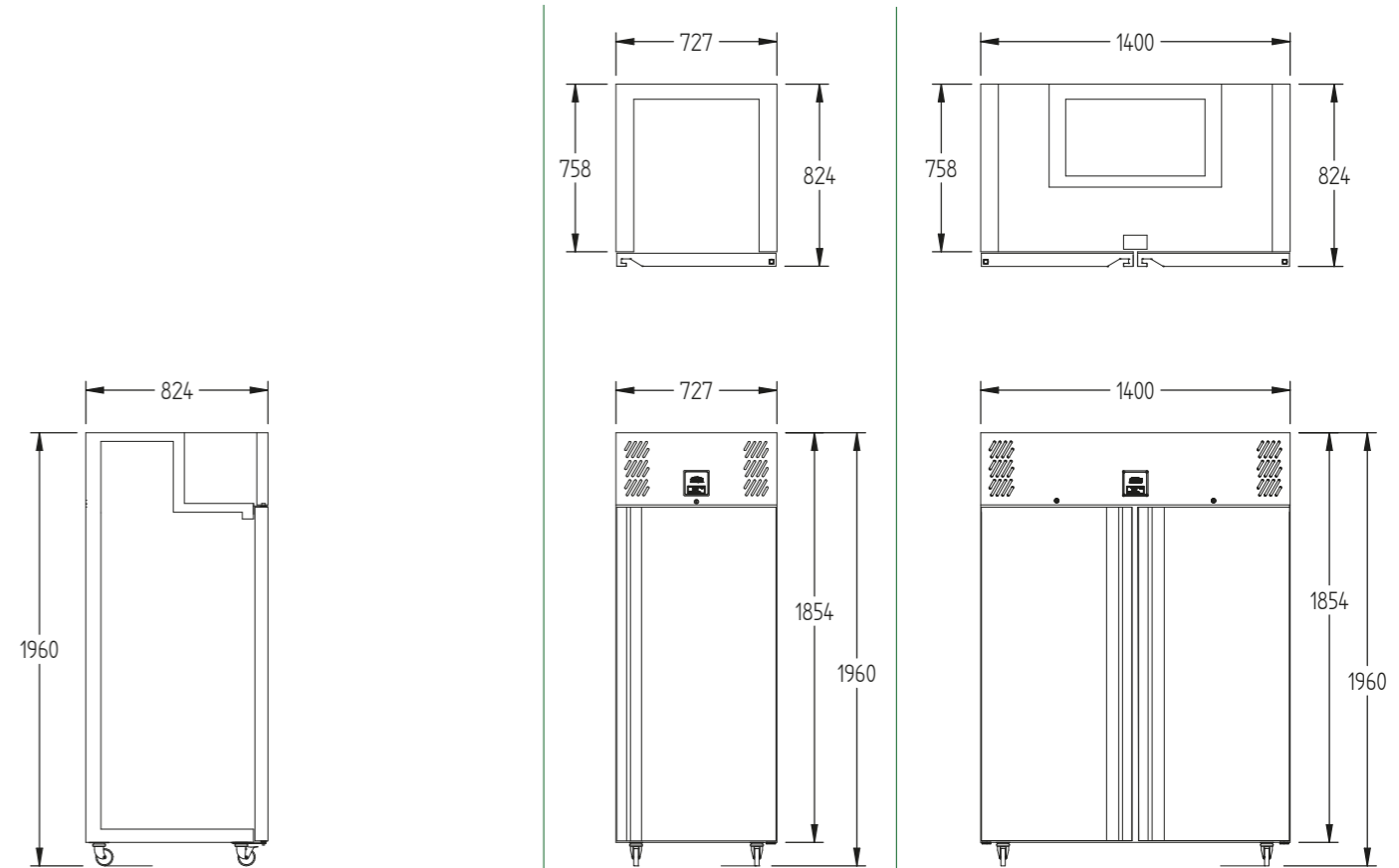
Door lock



10 amp power

Advantages

- R290 natural refrigerant
- Reduced running costs
- Gastronorm (GN 2/1) cabinet
- Easy to clean, full length integral handle.
- Energy saving CoolSmart controller ensures excellent temperature control and easy-to-manage operation
- Designed for effective operation in high ambient 43°C environments, and built to withstand the rigours of day-to-day operation
- Self-closing door fitted with easy to clean, replaceable magnetic balloon gasket for 100% seal
- Construction includes 80mm polyurethane insulation with zero ODP and low GWP and provides excellent thermal efficiency
- Delivered to site with heavy duty, non-marking swivel castors with brakes for superior mobility and stability. The height of the Jade with castors is designed to fit through a standard door for ease of positioning
- Enhanced airflow design for uniform cooling, with no potential warm spots



MODEL	1 DOOR		2 DOOR	
H (REFRIGERATOR +1°/+4°C)	HJ1SA-HC	\$5,788	HJ2SA-HC	\$8,535
L (FREEZER -18°/-22°C)	LJ1SA-HC	\$6,920	LJ2SA-HC	\$10,800

SPECIFICATIONS

CAPACITY LITRES	620	1295
DIMENSIONS - W X D X H (ON CASTORS) MM	727 W x 824 D x 1960 H	1400 W x 824 D x 1960 H
WEIGHT UNPACKED (KG)	200	250

STANDARD INCLUSIONS ***

DOOR TYPE	Standard: SD (Solid Door)
FINISH (INTERIOR AND EXTERIOR EXCLUDING REAR AND UNDER)	SS (Stainless Steel)
SHELVES/DOOR	4

ELECTRICAL

POWER SUPPLY	10 amp	10 amp	
FRIDGE MODELS	RUNNING AMPS	1.6	1.4
FREEZER MODELS	RUNNING AMPS	2.8	3.6

GAS TYPE

REFRIGERANT	FRIDGE MODELS	R290	R290
	FREEZER MODELS	R290	R290

Prices do not include GST. Prices and specifications are subject to change without notice. For full Terms and Conditions; and Warranty information refer to our current Price Guide or visit williams-refrigeration.com.au

Opal Hydrocarbon

self contained

The Hydrocarbon (R290) Opal front breathing range is designed for the toughest kitchen environments and offers outstanding performance, efficiency and reliability. These 1/1 Gastronorm (Gn) storage cabinets come in a two, three, or four door configuration. The advanced temperature control ensures easy-to-manage operation in even the most demanding high-ambient environments.



Digital controller



Front breathing



GN pan compatible



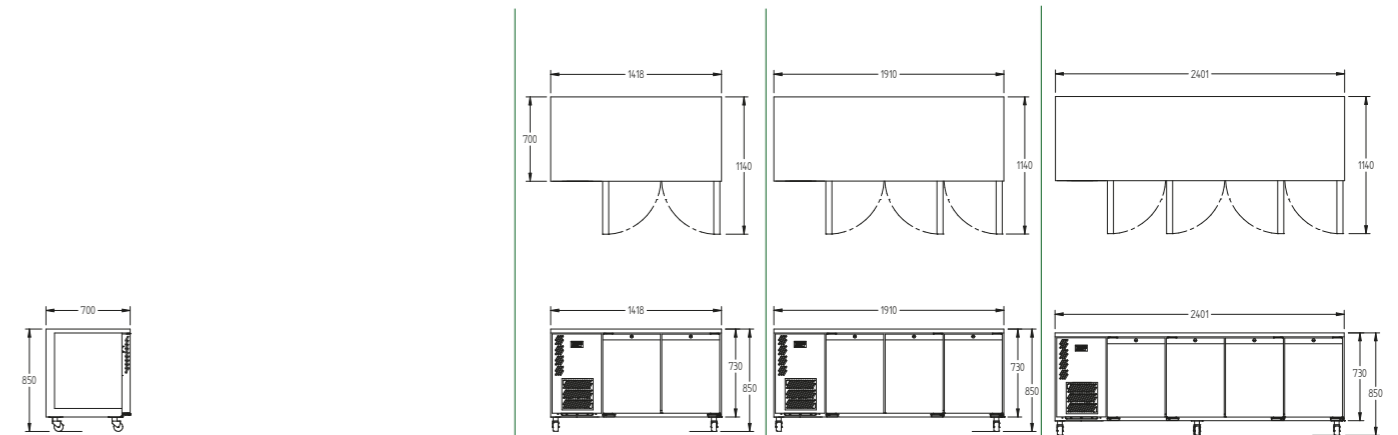
Removable cassette



10 amp power

Advantages

- R290 natural refrigerant.
- 43°C ambient rating for hard working environments.
- Reduced running costs.
- CoolSmart electronic controller for energy efficiency and even temperatures.
- Easy clean covered internal liner.
- Easy to clean, full length horizontal integral handle.
- Front breathing removable refrigeration cassette system for simple maintenance and easy servicing.
- No need for external drain.
- Face mounted hinges for plinth mounted.
- Longer life anti corrosive evaporator coil coating.
- Threaded castors allow simple leg changeover if required.
- Self-closing door fitted with easy to clean, replaceable magnetic balloon gaskets for 100% seal.
- Two sets of non-tilt adjustable pan slides per door—1/1 Gastronorm (Gn) sized shelves included.
- Peace of mind auto defrost .
- Designed and built to international quality standards for reliability and performance—HACCP compliant.
- Interchangeable 1/1 Gn racking system for total flexibility.
- Enhanced airflow design for uniform cooling, with no potential warm spots.



MODEL	2 DOOR		3 DOOR		4 DOOR	
H (REFRIGERATOR +1°/+4°C)	H02USS-HC	\$5,865	H03USS-HC	\$7,586	H04USS-HC	\$8,719
L (FREEZER -18°/-22°C)	L02USS-HC	\$8,273	L03USS-HC	\$9,222	—	—

SPECIFICATIONS

CAPACITY LITRES	350	510	670
DIMENSIONS - W X D X H (ON CASTORS) MM	1418 W x 700 D x 850 H	1910 W x 700 D x 850 H	2401 W x 700 D x 850 H
WEIGHT UNPACKED (KG)	150	180	220

STANDARD INCLUSIONS ***

DOOR TYPE	Standard: SD (Solid Door)		
FINISH (INTERIOR AND EXTERIOR EXCLUDING REAR AND UNDER)	SS (Stainless Steel)		
SHELVES/DOOR	2	2	2

ELECTRICAL

POWER SUPPLY	10 amp	10 amp	10 amp	
FRIDGE MODELS	RUNNING AMPS	1.68	1.68	1.68
FREEZER MODELS	RUNNING AMPS	2.58	2.58	N/A

GAS TYPE

REFRIGERANT	FRIDGE MODELS	R290	R290	R290
	FREEZER MODELS	R290	R290	N/A

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Meat Aging Refrigerator

self contained



Digital controller



Hydrocarbon



Activated charcoal filter



Pink Himalayan salt blocks



10 amp power

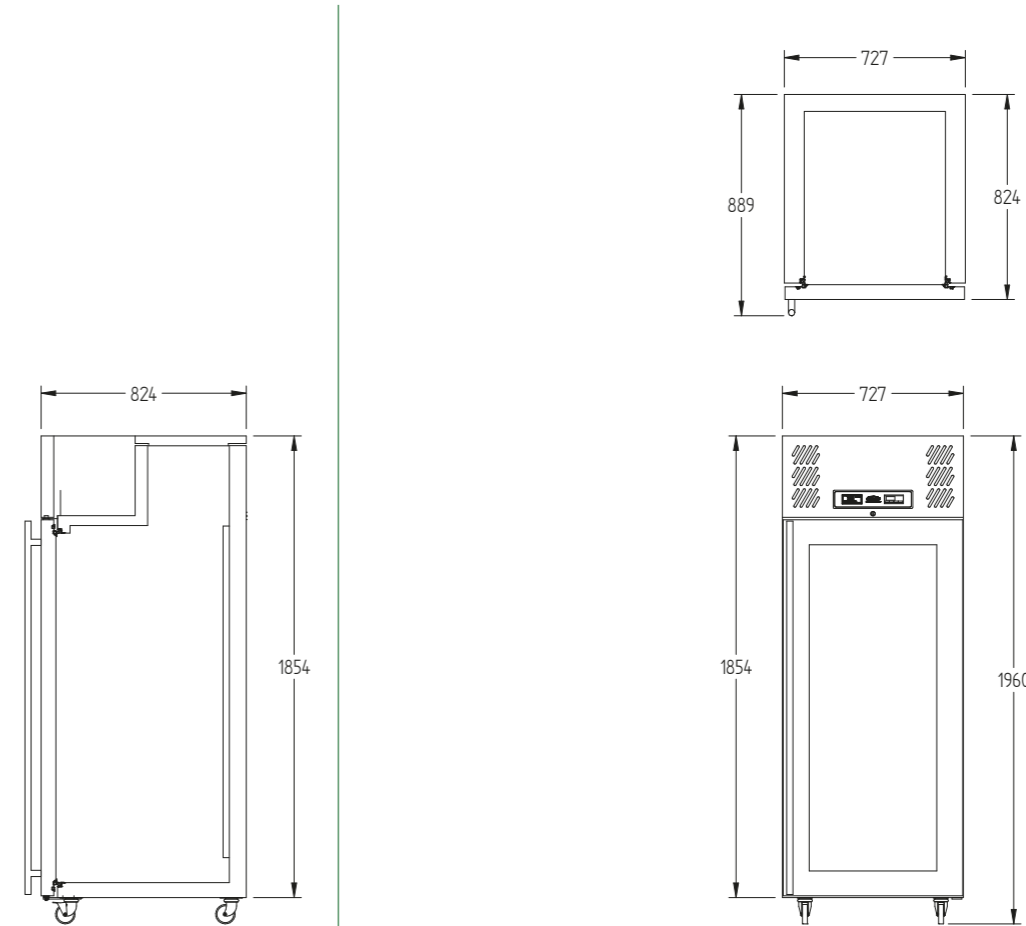
Stylish design is combined with a robust, all stainless-steel construction along with running on environmentally friendly R290 gas. The meat ageing refrigerator can operate in environments of up to 43°C and its interior is brightly lit with energy saving LEDs, making it ideal for front of house display. The perfect meat ageing conditions are maintained by providing humidity between 60-90% and the inclusion of Himalayan salt blocks that assist with moisture management and improves the flavour of the meat.

Capacity and versatility are well managed – the cabinet has four 2/1 GN perforated stainless steel shelves with anti-tilt tray slides, each able to hold a maximum of 20kg per shelf.



Advantages

- Natural R290 refrigerant.
- Designed for effective operation in high ambient 43°C environments, and built to withstand the rigours of day-to-day operation.
- Operating temperature of +1 to +6°C and humidity between 60-90%.
- Himalayan salt blocks to assist with moisture management and improvement of flavour.
- Foodsafe professional stainless-steel interior and exterior.
- Four 2/1 GN perforated stainless steel shelves with anti-tilt tray slides.
- Robust, easy to grab, full length, stainless steel door handle.
- Self-closing door fitted with easy to clean, replaceable magnetic balloon gaskets for 100% seal.
- Energy saving CoolSmart controller ensures excellent temperature control and easy-to-manage operation.
- Enhanced airflow design for uniform cooling, with no potential warm spots.
- Internal bright, low heat, LED strip lighting offer great energy savings and clear visibility of meat.
- Construction includes 80mm polyurethane insulation with zero ODP and low GWP and provides excellent thermal efficiency.
- Delivered to site with heavy duty, non-marking swivel castors with brakes for superior mobility and stability. Fits through a standard door for ease of positioning.



MODEL	1 DOOR	
H (REFRIGERATOR +1°/+6°C)	MAR1	\$11,012
SPECIFICATIONS		
CAPACITY LITRES	620	
DIMENSIONS - W X D X H (ON CASTORS) MM	727 W x 889 D x 1960 H	
WEIGHT UNPACKED (KG)	230	
STANDARD INCLUSIONS		
DOOR TYPE	Standard: GD (Glass Door)	
FINISH (INTERIOR AND EXTERIOR EXCLUDING REAR AND UNDER)	SS (Stainless Steel)	
SHELVES/DOOR	4	
ELECTRICAL		
POWER SUPPLY	10 amp	
RUNNING AMPS	1.65	
GAS TYPE		
REFRIGERANT	R290	

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Aztra Hydrocarbon

self contained

The Hydrocarbon Aztra range is a compact front-vented undercounter, the AZ5UC is ideal for environments where space is at a premium. Despite its small footprint it has a little over 113 litres of storage and is capable of holding 1/1 gastronorm trays.



Advantages

- Natural hydrocarbon refrigerant.
- Reduced running costs.
- Gastronorm (GN 1/1) cabinet.
- Integral handle for an easy 'grab' on the door.
- Fitted with 2 of 1/1GN nylon coated wire shelves per section as standard or tray slides to accommodate 1/1GN containers.
- Anti-tilt tray slides.
- Removable racking system.
- Self-closing door.
- Energy saving CoolSmart controller ensures excellent temperature control and easy-to-manage operation.
- Designed for effective operation in high ambient 43°C environments, and built to withstand the rigours of day-to-day operation.
- Self-closing door fitted with easy to clean, replaceable magnetic balloon gasket for 100% seal.
- Low GWP, Zero ODP polyurethane insulation.
- Defrost water is vaporised using recycled heat from compressor.
- Castors to rear, adjustable feet to front for mobility and stability.
- Enhanced airflow design for uniform cooling, with no potential warm spots



Digital controller



Hydrocarbon



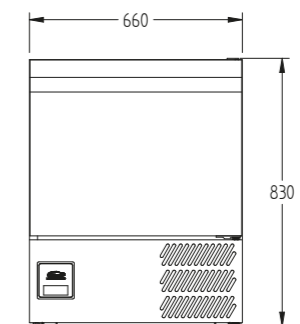
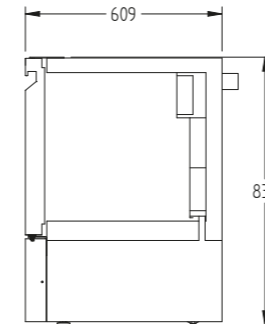
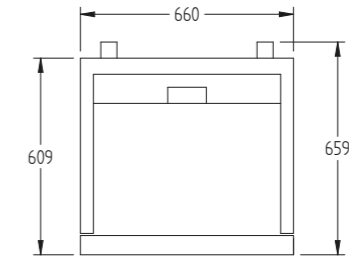
GN pan compatible



Easy grab door handle



10 amp power



MODEL	1 DOOR	
H (REFRIGERATOR +1°/+4°C)	HAZ5UC	\$3,876
L (FREEZER -18°/-22°C)	LAZ5UC	\$4,589
SPECIFICATIONS		
CAPACITY LITRES	131	
DIMENSIONS - W X D X H (ON CASTORS) MM	660 W x 609 D x 830 H	
WEIGHT UNPACKED (KG)	150	
STANDARD INCLUSIONS		
DOOR TYPE	Standard: SD (Solid Door)	
FINISH (INTERIOR AND EXTERIOR EXCLUDING REAR AND UNDER)	SS (Stainless Steel)	
SHELVES/DOOR	2	
ELECTRICAL		
POWER SUPPLY	10 amp	
FRIDGE MODELS	RUNNING AMPS	0.53
FREEZER MODELS	RUNNING AMPS	2.46
GAS TYPE		
REFRIGERANT	FRIDGE MODELS	R600A
	FREEZER MODELS	R290

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Vari Temp Drawer

self contained



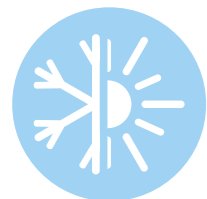
Digital controller



Hydrocarbon



GN pan compatible



Variable temperature



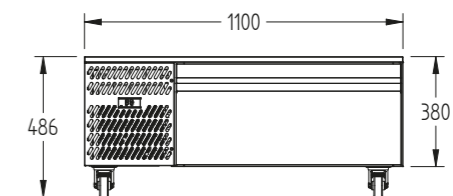
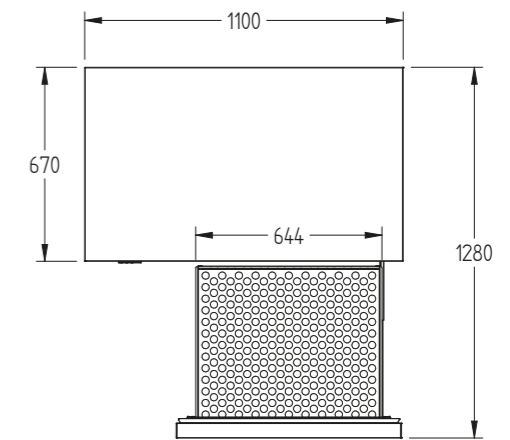
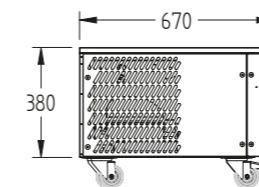
10 amp power

The latest addition to our Chef's Drawer range is a variable temperature model that can be switched from a refrigerator to a freezer and runs on environmentally friendly R290 gas. It features an entirely new body which, because it ventilates through the front, can squeeze into the tightest of spaces.



Advantages

- Natural R290 refrigerant.
- Can be adjusted between Fridge and Freezer temperatures according to what is required.
- Large capacity drawer size 2 x 1 GN (150mm maximum depth).
- Stacking capability for convenient refrigerator / freezer combination.
- The VWCD1 has an easy to access built in refrigeration system.
- Enhanced airflow design for uniform cooling, with no potential warm spots
- Foodsafe stainless steel exterior and interior.
- Heavy duty, non-marking swivel castors with brakes.
- Magnetic balloon door gaskets with 100% tight seal.
- CoolSmart controller.
- Precision injected, high density polyurethane insulation with low GWP. (Global Warming Potential) and zero ODP (Ozone Depletion Potential).
- Designed and engineered to operate efficiently up to a 43°C ambient.
- High performance helium leak testing .



MODEL	VWCD1	
H/L (REFRIGERATOR +1°/+4°C - FREEZER -18°/-22°C) SELF CONTAINED	VWCD1	\$6,034
SPECIFICATIONS		
CAPACITY 1/1 GN PAN	2 (150 mm deep)	
DIMENSIONS - W X D X H (ON CASTORS) MM	1100 W x 670 D x 486 H	
WEIGHT UNPACKED (KG)	200	
STANDARD INCLUSIONS		
DRAWERS	1	
FINISH (INTERIOR AND EXTERIOR EXCLUDING REAR AND UNDER)	SS (Stainless Steel)	
ELECTRICAL		
POWER SUPPLY	10 amp	
RUNNING AMPS	1.89	
GAS TYPE		
REFRIGERANT	R290	

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Amber Hydrocarbon

self contained

The Hydrocarbon Amber range is a compact and ideal for small kitchens, the 135 litre Amber A-135 is a robust undercounter cabinet that maximises the space available.



Digital controller



Front breathing



Door lock



Low noise design

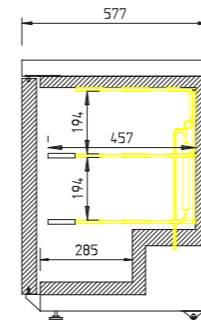


10 amp power

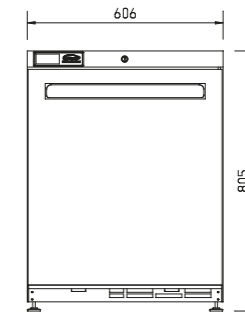
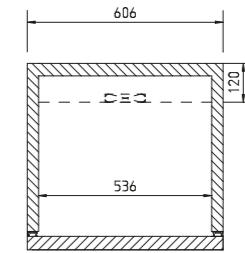
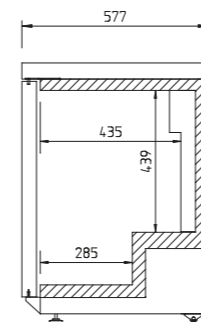
Advantages

- Natural hydrocarbon refrigerant.
- Reduced running costs.
- High performance, front vented refrigeration system.
- CoolSmart controller.
- Integral handle for an easy 'grab' on the door.
- Designed to operate efficiently up to 32°C ambient.
- Fitted with nylon coated, adjustable wire shelves on refrigerator models and static shelves on freezers.
- Self-closing door fitted with easy to clean, replaceable magnetic balloon gasket for 100% seal.
- Cylindrical door lock.
- Low GWP, Zero ODP polyurethane insulation.
- Defrost water is vaporised using recycled heat from compressor (fridge only).
- Castors to rear, adjustable feet to front for mobility and stability.
- Enhanced airflow design for uniform cooling, with no potential warm spots

Freezer side view



Fridge side view



MODEL	1 DOOR	
H (REFRIGERATOR +1°/+4°C)	HA135-HC	\$3,094
L (FREEZER -18°/-22°C)	LA135-HC	\$3,211
SPECIFICATIONS		
CAPACITY LITRES	135	
DIMENSIONS - W X D X H (ON CASTORS) MM	606 W x 577 D x 805 H	
WEIGHT UNPACKED (KG)	65	
STANDARD INCLUSIONS		
DOOR TYPE	Standard: SD (Solid Door)	
FINISH (INTERIOR AND EXTERIOR EXCLUDING REAR AND UNDER)	SS (Stainless Steel)	
SHELVES/DOOR	2	
ELECTRICAL		
POWER SUPPLY	10 amp	
FRIDGE MODELS	RUNNING AMPS	0.53
FREEZER MODELS	RUNNING AMPS	1.3
GAS TYPE		
REFRIGERANT	FRIDGE MODELS	R600A
	FREEZER MODELS	R290

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