

Experts in Medical Refrigeration

LABORATORY REFRIGERATION AND FREEZERS

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SPARK FREE EXCLUDES 600L & 1200L MODELS FITTED LOCK

Designed with ease of use in mind



LABORATORY REFRIGERATION RANGE



We provide safe, reliable and energy efficient temperature controlled storage to laboratories

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Extend your warranty for added peace of mind*

Lec Medical has now launched a comprehensive extended warranty package enabling you to protect your Laboratory product beyond our free of charge 2 years parts and labour warranty.

EXTENDED Inckage

This package includes new for old replacement and offers reassurance in the current uncertain economic climate.

* UK only



Medical Refrigeration







REASONS TO CHOOSE LEC MEDICAL



Most Laboratory models are now Atex approved. The internal refrigeration chamber is classed as zone 2, category 3 when the door is closed. The external parts of the refrigerator are classed as safe areas and as such do not need to comply with the requirements of the Directive. Look out for the Atex symbol



We offer free delivery on ALL Laboratory refrigeration units featured in this brochure*



The majority of our Laboratory range is **manufactured in the UK** to the highest quality standards. Look out for the **K** 'Made in UK' symbol



We have total confidence in our products and back that up with a **2 years parts and labour warranty***



Our award-winning customer help centre is on hand 363 days a year, 7 days a week to offer guidance in the unlikely event of a problem with one of our units, with a team of 180 service engineers covering the whole of the UK to deal with any issues quickly and efficiently*



Our **large nationwide distribution centre holds stock** of most of our range, enabling us to supply products to meet orders promptly and with different delivery options to suit you



Lec Medical takes its environmental responsibilities seriously – we always try to use the most environmentally friendly refrigerant gases where possible, meaning **our units are not only kinder to the environment but also require less energy to run**



We are **leading approved supplier to the Government Procurement Service,** enabling NHS facilities involved with this service to order easily and at a competitive price



Every single unit is **individually tested and quality checked** before it leaves the production line to ensure it is in full working order

*UK only







NEW IMPROVED LAB RANGE

We have developed our new range with reliability and ease of use in mind. All our Laboratory fridges operate at a temperature of +2°C to +10°C and our freezers operate at -18°C and below. We have also added a number of improvements to certain popular models to ensure we are offering you the best possible secure and reliable refrigerated storage. Many of our models are also available with an alternative fitted European plug.





Lec Medical suggests the following advice to ensure you are getting the most from your Laboratory fridge or freezer:



Do not open the door for prolonged periods

Always ensure the door is closed firmly after use

Do not overstock the unit as this can affect the internal airflow



Clean the unit regularly, ensure freezers are defrosted according to the recommendations provided

Always ensure your fridge or freezer has space around it for cooling airflow to prevent the refrigerant system working harder than it needs to

Most Laboratory models are now Atex approved. The internal refrigeration chamber is classed as zone 2, category 3 when the door is closed. The external parts of the refrigerator are classed as safe areas and as such do not need to comply with the requirements of the Directive. Look out for the Atex symbol

Optional Plug Types

Many of our models are available with a variety of plug types depending on your country. Please contact us for details

Ready to Use

Lec Medical fridges are supplied with a preset temperature of $\exists 2^{\circ}C$ to $\pm 10^{\circ}C$ and freezers $-18^{\circ}C$ and below, meaning they are ready for use as soon as you plug them in

Energy Efficient Refrigerant

Many models in our new range use R600a refrigerant, which is kinder to the environment as well as being an efficient cooling system, meaning the running costs of the fridge are kept as low as possible. Look out for the R600a symbol for our most efficient model



UK only



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Our NEW advanced controller explained



Temperature accuracy to 0.1°C

Main panel shows an average internal air temperature and min/max levels can easily be displayed



Our high-tech controller will also show a min/max simulated core temperature (allows you to see the actual temperature of contents stored, not simply air temperature)

Control panel can be locked to avoid accidental changes to desired settings



Our latest integral controller enables the user to select minimum and maximum temperatures, and manage the warning alarm system at the press of a button

Lock Fitted as Standard

Maintains security and ensures the unit can only be accessed by approved personnel

ANTI MICRO

Anti Microbial Handle

Helps prevent the growth of bacteria and minimise the potential for cross contamination within your laboratory. Look out for the anti microbial symbol for units with this unique feature

X Auto Defrost Feature

Ensures the most efficient cooling and units with the lowest on-going maintenance

Storage Flexibility

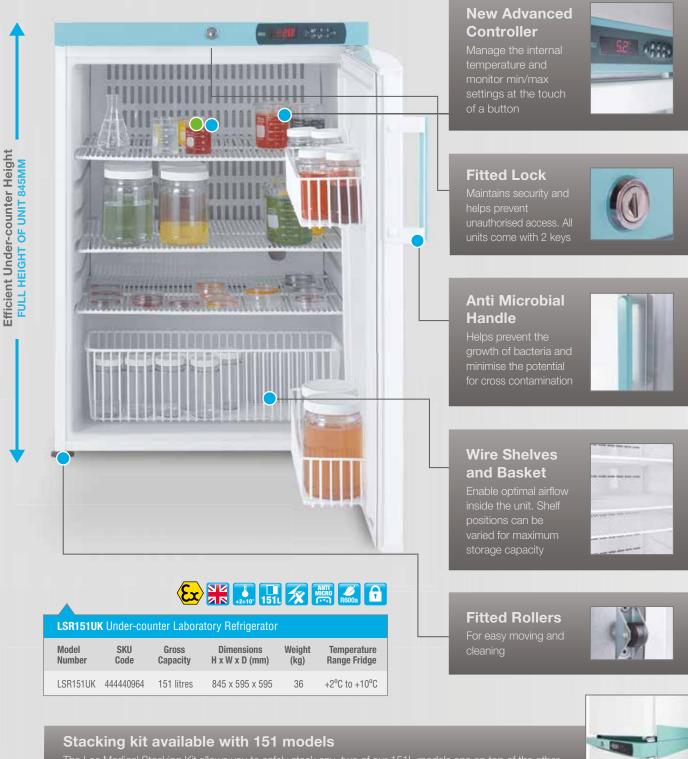
Shelf heights can be varied in all our units to ensure you are able to maximise the storage potential of your Laboratory refrigerator

Titted Rollers

Available on all under-counter and freestanding models, makes moving the units for repositioning or cleaning straightforward



UNDER-COUNTER REFRIGERATION RANGE



The Lec Medical Stacking Kit allows you to safely stack any two of our 151L models one on top of the other. It's perfect for environments where space may be limited.

4



We offer a wide range of Laboratory models to suit your needs, from smaller countertop units, ideal for when space is limited, space efficient under-counter models that fit easily under working benches and a range of larger, freestanding units, ideal for when extra storage capacity is required.

Our NEW Under-counter LSR151

Space Efficient

Under-counter storage offers laboratories a simple way of refrigerating vital products, in a space-effective way. At only 845mm high, our LSR151 fits neatly under most work benches and has fitted rear rollers to assist in moving the unit when access is required for cleaning behind it.

Space Effective

Our LSR151 has a large internal storage capacity of 151 litres. To optimise storage effectiveness, ALL Lec Medical Laboratory fridges and freezers are spark free, and our specially designed wire shelves and door furniture allow cold air to circulate easily within the cabinet.







OTHER LABORATORY FRIDGES

COUNTERTOP REFRIGERATION

LR207C Countertop Laboratory Refrigerator

Gross

Capacity

SKU

Code

LR207C 444441799 82 litres

Model

Number



Dimensions H x W x D (mm)

660 x 502 x 540

Temperature Range Fridge

+2°C to +10°C

Weight

(kg)

27.5

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UNDER-COUNTER REFRIGERATION

LR307C	Under-cou	nter Labor	atory Refrigerator		
Model Number	SKU Code	Gross Capacity	Dimensions H x W x D (mm)	Weight (kg)	Temperature Range Fridge
LR307C	444441800	107 litres	830 x 495 x 620	103	+2°C to +10°C



FREESTANDING REFRIGERATION



LSR288U	(Freesta	nding Labo	ratory Refrigerato			
Model Number	SKU Code	Gross Capacity	Dimensions H x W x D (mm)	Weight (kg)	Temperature Range Fridge	
LSR288UK	44444096	6 288 litres	1570 x 595 x 634	58	+2°C to +10°C	

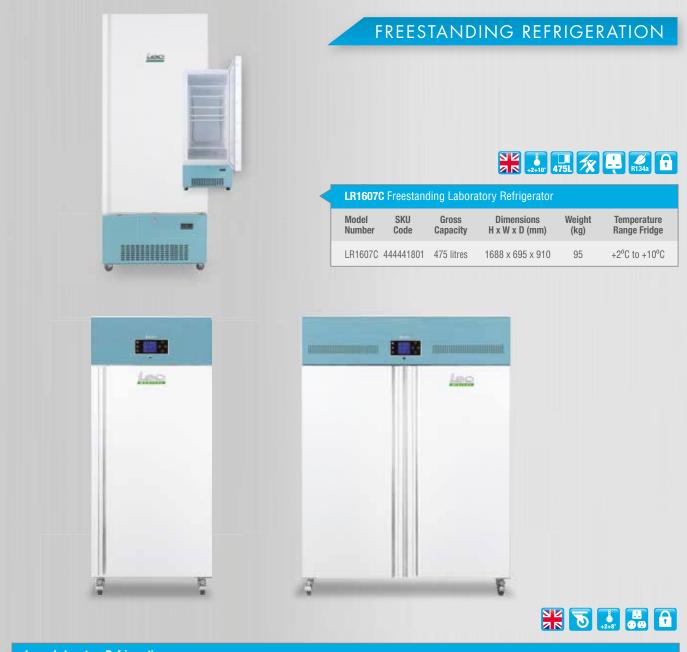


Medical Refrigeration

Our range is available in our new Green styling and comes complete with the 2 years parts and labour warranty as standard.







Large Laboratory	Refrigeration				
Model Number	SKU Code	Gross Capacity	Dimensions H x W x D (mm)	Weight (kg)	Temperature Range Fridge
PSR600UK	44440367	600 litres	1995 x 690 x 840	135	+2°C to +8°C
PSR1200UK	44440368	1200 litres	1995 x 1330 x 840	200	+2°C to +8°C

Forced air cooling therefore not spark free



LABORATORY FREEZERS



Stacking kit available with 151 models

The Lec Medical Stacking Kit allows you to safely stack any two of our 151L models one on top of the other. It's perfect for environments where space may be limited. 4

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We offer a wide range of Laboratory freezers to suit your needs, from smaller countertop units, ideal for when space is limited, space efficient under-counter models that fit easily under working benches, and a range of larger, freestanding units, ideal for when extra storage capacity is required.



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Other Laboratory Freezers					
Model Number	SKU Code	Gross Capacity	Dimensions H x W x D (mm)	Weight (kg)	Temperature Range Freezer
ISU27C	444441802	50 litres	562 x 500 x 510	17	-18°C to -25°C
ISU37C	44441803	102 litres	830 x 495 x 620	33	-18°C to -25°C

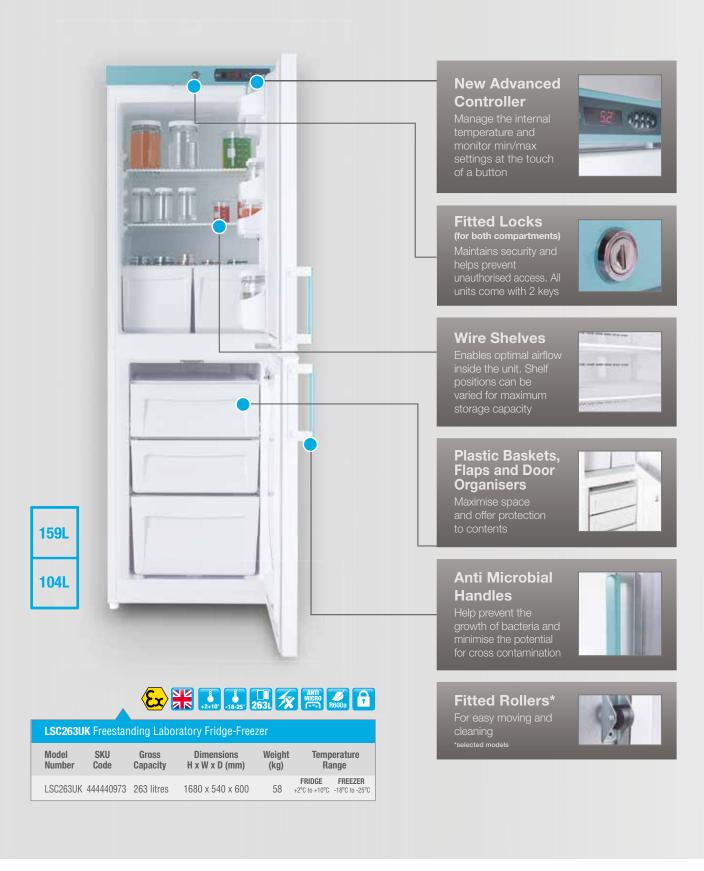


Other Laboratory F	reezers				
Model Number	SKU Code	Gross Capacity	Dimensions H x W x D (mm)	Weight (kg)	Temperature Range Freezer
LSF232UK	44440970	232 litres	1570 x 595 x 634	60	-18°C to -25°C

Please see **page 12** for fridge-freezer options



LABORATORY FRIDGE-FREEZERS





MEDICAL Medical Refrigeration

Offering the flexibility of a fridge and freezer in the same unit, and maximising storage space, Lec Medical provides a comprehensive range of combination fridge-freezers in different sizes to suit your requirements.

Laboratory Fridge-Freezers from Lec Medical

Fridge-freezers offer the optimal storage flexibility with two distinct temperature zones.

Flexible storage

These units are a popular choice when space is limited and we offer a wide variety of sizes, from countertop units through to large freestanding alternatives.







Peace of mind security

All Lec Medical units come with a fitted lock to ensure only authorised personnel have access, and our new freestanding fridge-freezers have unique separate fitted locks for the fridge and freezer compartments.





OTHER LEC MEDICAL FRIDGE-FREEZERS





UNDER-COUNTER



ISR27C	Countertop) Laborato	ry Fridge-Freezer		
Model Number	SKU Code	Gross Capacity	Dimensions H x W x D (mm)	Weight (kg)	Temperature Range
ISR27C	444441804	83.5 litres	660 x 502 x 540	25	FRIDGE +2°C to +10°C FREEZER -6°C to -9°C

LSC119UK Under-counter Laboratory Fridge-Freezer							
Mo Nui	del nber	SKU Code	Gross Capacity	Dimensions H x W x D (mm)	Weight (kg)		erature nge
LSC	119UK	444440972	119 litres	860 x 540 x 600	34	FRIDGE +2°C to +10°C	FREEZER -18°C to -25°C

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LEC MEDICAL LARGE CAPACITY FREEZERS



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Large Laboratory Freezers					
Model Number	SKU Code	Gross Capacity	Dimensions H x W x D (mm)	Weight (kg)	Temperature Range Freezer
LSF600UK	44442269	600 litres	1995 x 690 x 840	135	-18°C to -25°C
LSF1200UK	44442268	1200 litres	1995 x 1330 x 840	200	-18°C to -25°C

Forced air cooling therefore not spark free



FREE! 'Heart' Temperature Monitoring Software with all Large Laboratory Units



- USB data download
- Maps air and load temperature
- Details if an alarm has occurred, why and for how long



STORAGE SOLUTIONS & ALTERNATIVES

Lec Medical offers a range of storage solutions compatible with selected models in our Laboratory refrigeration range, enabling you to manage the space inside the fridge effectively and safely.

MIX & MATCH

On-shelf organisers are all interchangeable and Lec Medical can offer a bespoke service to create the Laboratory refrigeration storage solution to best suit your needs.



Anti-bacterial Sit On Shelf Organisers

Our tough plastic shelf organisers are perfect for organising drugs and vaccines most effectively. They simply sit on existing fridge shelves.

Key Features

- 448mm wide x 350mm deep footprint suitable for many Lec models or other units already in your laboratory
- Anti-bacterial plastic inhibits bacterial growth and minimises the risk of cross contamination
 - Supplied with 17mm pre-drilled holes to maintain effective cooling airflow within the fridge
 - xtra dividers available separately to compartmentalise contents



Sit On Shelf Organiser					
	SKU Code	Dimensions W x D (mm)			
Base Tray	444441879	448 x 350			
Dividers	44441880	-			





Experts in Medical Refrigeration

TEMPERATURE MAPPING

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DID YOU KNOW?

We now offer a temperature mapping service. Call us now for more details UK Only Lec Medical data loggers are a simple and reliable way of recording the temperature inside your Laboratory fridge over a period of time.

EASY TO SET UP

This USB compatible data recorder is a simple and cost effective way of recording temperature within all refrigerators.

Simply plug the data logger into your PC and set the logging rate and start time.

Then place the unit on a shelf inside the fridge, shut the door, and the logger will record the temperature at the intervals you select (every 10 seconds up to every 12 hours).

EASY TO DOWNLOAD

We supply the logger with software, allowing the user to quickly and easily configure the unit to meet their requirements.

Simply plug the logger into any USB port on your computer and download the stored data.

You can use this data in many ways and it can be easily displayed as a graph, enabling you to quickly view the temperature history inside the fridge over time.

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The logger works in a wide temperature range from -35°C to +80°C

Large memory capacity
you can store up to
16,382 readings

The Lec Medical data logger has an easy to replace lithium battery for regular or extended use

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Lec Medical Data Logger	E
Model Number	ATMDL01
SKU Code	44448729
Dimensions H x W x D (mm)	25 x 25 x 100
Measurement Range	-35°C to +80°C
Accuracy	+/- 1°C





LCD DISPLAY

The high contrast LCD can show a variety of temperature information. At the touch of a button, the user can cycle between the current, maximum and minimum stored temperatures.

Can be supplied with a calibration certificate*.

*Calibration certificates are not supplied as standard, and must be ordered separately



DETAILED SPECIFICATIONS

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Model No	LR207C	LR307C	LSR151UK	LSR288 UK	LR1607C	ISU27C	ISU37C	LSF151UK	ASK151	
Description	Countertop	Under-counter	Under-counter	Freestanding	Freestanding	Countertop	Under-counter	Under-counter	Stacking kit	
SKU code EAN code	444441799 5034648485689	444441800 5034648493264	444440964 5052263009646	444440966 5052263009660	444441801 5034648485696	444441802 5034648485726	444441803 5034648493271	444440968 5052263009684	444443318 5052263033184	
Gross capacity (L)	82	107	151	288	475	50	102	151	-	
Net capacity (L)	67	103	145	284	441	38	87	134	-	
External width (mm)	502 540	495 620	595 595	595 634	695 910	500 510	495	595 595	-	
External depth (mm) External height (mm)	540 660	830	845	1570	1688	510	830	845	-	
Packed width (mm)	520	560	657	657	770	520	560	657	225	
Packed depth (mm)	595	655	694	734	950	595	655	694	190	
Packed height (mm)	675	850	872	1585	1810	590	850	872	100	
Product weight (kg)	27.5	31.5	36	58	95	17	33	36	-	
Packed weight (kg)	30.5 UK	35 UK	40 UK	63 UK	116 UK	20 UK	36.5 UK	40 UK	3 UK	
Country of origin Internal dimensions	415x340x540	403x400x540	500x450x705	480x445x1382	550x670x1170	345x330x365	414x415x683	500x450x705	-	
(wxdxh) (mm)			step 165(d)x185(h)	step 175(d)x255(h)				step 165(d)x185(h)		
External finish Internal finish	White White	White	White White	White White	White White	White White	White	White	-	
	SRL800 (HIPS/ABS Mix)	SRL800 (HIPS/ABS Mix)	SRL800 (HIPS/ABS Mix)	SRL800 (HIPS/ABS Mix)	SRL800 (HIPS/ABS Mix)	SRL800 (HIPS/ABS Mix)	SRL800 (HIPS/ABS Mix)	SRL800 (HIPS/ABS Mix)	-	
Temperature range	+2°C to +10°C	+2°C to +10°C	+2°C to +10°C	+2°C to +10°C	+2°C to +10°C	-18°C to -25°C	-18°C to -25°C	-18°C to -25°C	-	
Colour	White/green	White/green	White/green	White/green	White/green	White/green	White/green	White/green	-	
Door type Door style	Solid Hinged, reversible	Solid Hinged, reversible	Solid Hinged, reversible	Solid Hinged, reversible	Solid Hinged, R/H only	Solid Hinged, reversible	Solid Hinged, reversible	Solid Hinged, reversible	-	
Door open depth (mm)		1050	1165	1185	1596	976	1050	1165	-	
Replacement door sea		No	No	No	No	No	No	No	-	
Open door sensor	No	No	Yes	Yes	No	No	No	Yes	-	
Lock	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	
Adjustable feet (number	. ,	2, front	2 adjustable feet 2 rear rollers	2 adjustable feet 2 rear rollers	Castors	No	1, front	2 adjustable feet 2 rear rollers	-	
Temperature display o		Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	
Temperature alarm Number of shelves	Yes	Yes 2	Yes 3	Yes 5	Yes 5	Yes	Yes 2	Yes 2 backets	-	
Number of shelf positi	2 ons 2	4	6	12	30	Fixed	Fixed	3 baskets Fixed	-	
Shelf size (dxwxh) (mr		2: 427x374x6	3: 320x520x6	5: 340x497x6	5: 536x609x6	-	-	-	-	
Shelf material	Wire	Wire	Wire	Wire	Wire	Wire	Wire	Wire baskets	-	
Moulded drawers	0	0	0	1 Solid	0	0	0	0	-	
Adjustable door bins Interior light	0 No	0 No	2 Wire No	4 Solid No	0 No	0 No	0 No	0 No	-	
Fan	No	No	No	No	No	No	No	No	-	
Spark free	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	
Auto or manual defros	t Automatic	Automatic	Automatic	Automatic	Automatic	Manual	Manual	Manual	-	
Controller type Climate class	Digital, external	Digital, external	Digital, external	Digital, external	Digital, external	Digital, external	Digital, external	Digital, external	-	
Refrigerant type	N R134a	N R134a	SN R600a	SN R600a	N R134a	N R134a	N R134a	SN R600a	-	
CFC free	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	
HFC free	No	No	Yes	Yes	No	No	No	Yes	-	
HCFC Free	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	
UK 3 pin plug	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	
Other plug types availa Voltage supply	able Yes 230	Yes 230	Yes 230	Yes 230	Yes 230	Yes 230	Yes 230	Yes 230	-	
Aux output	No	No	No	No	No	No	No	Yes	-	
Insulation thickness (r		35	45	60	65	30	35	45	-	
Insulation type	Cyclopentane	Cyclopentane	Cyclopentane	Cyclopentane	Cyclopentane	Cyclopentane	Cyclopentane	Cyclopentane	-	
Anti microbial handle	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	-	
Atex Approved	No	No	Yes	Yes	No	No	No	Yes	-	



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	-							
LSF232UK	ISR27C	LSC119UK	LSC263UK	LSC324UK	PSR600	PSR1200	LSF600	LSR1200
Freestanding	Countertop	Under-counter	Freestanding	Freestanding	Freestanding	Freestanding	Freestanding	Freestanding
444440970	444441804	444440972	444440973	444441790	444440367	444440368	444442269	444442268
5052263009707 232	5034648485719 83.5	5052263009721 119	5052263009738 263	5052263017900 324	5052263003675 600	5052263003682 1200	5052263022690 600	5052263022683 1200
	77 Fridge 6.5 Freezer	106 Fridge 13 Freezer	159 Fridge 104 Freezer	190 Fridge 134 Freezer				
212 595	80.5 502	117	245 540	302 600	517 690	1114 1330	563 690	1163 1330
595 634	540	600	600	600	840	840	840	840
1570	660	860	1680	1870	1995	1995	1995	1995
657	620	602	597	657	135/140	200/120	135	200
734 1585	595 675	639 877	684 1700	734 1885	840	1480 990	840 990	1480 990
1585 60	25	34	58	70	135	200	135	200
65	27	36	64	78	150	220	150	220
UK	UK	UK	UK	UK	UK	UK	UK	UK
432x430x1300 step 190(d)x255(h)	415x370x540 Fre 400x295x120	Fri 450x450x525 Fre 408x415x670 step 155(d)x225(h)	Fri 457x450x725 Fre 463x445x780 step 170(d)x220(h)	Fri 510x430x805 Fre 463x445x780 step 250(d)x260(h)	560x680x1230	1200x653x1386	560x680x1230	1220x653x1386
White	White	White	White	White	White	White	White	White
White SRL800 (HIPS/ABS Mix)	White SRL800 (HIPS/ABS Mix)	White SRL800 (HIPS/ABS Mix)	White SRL800 (HIPS/ABS Mix)	White SRL800 (HIPS/ABS Mix)	White SRL800 (HIPS/ABS Mix)	White SRL800 (HIPS/ABS Mix)	White SRL800 (HIPS/ABS Mix)	White SRL800 (HIPS/ABS Mix)
-18°C to -25°C	Fri +2°C to +10°C Fre -6°C to -9°C	Fri +2°C to +10°C Fre -18°C to -25°C	Fri +2°C to +10°C Fre -18°C to -25°C	Fri +2°C to +10°C Fre -18°C to -25°C	+2°C to +10°C	+2°C to +10°C	-10°C to -25°C	-18°C to -25°C
White/green Solid	White/green Solid	White/green Solid	White/green Solid	White/green Solid	White/green Solid/glass	White/green Solid/glass	White/green Solid	White/green Solid
Hinged, reversible	Hinged, reversible	Hinged, reversible	Hinged, reversible	Hinged, reversible	Hinged	Hinged	Hinged	Hinged
1185	976	1090	1110	1190	1145	1145	1145	1145
No	No	No	No	No	No	No	No	No
Yes Yes	No Yes	Yes	Yes	Yes	Yes	Yes Yes	Yes	Yes
2 adjustable feet 2 rear rollers	2 adjustable feet 2 rear rollers	2 adjustable feet 2 rear rollers	2 adjustable feet 2 fixed rear	2 adjustable feet 2 rear rollers	Castors	Castors	Castors	Castors
Yes Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
4 plastic drawers, 2 flaps	2	2	3 (fridge)	3 (fridge)	5	10	5	10
Fixed	Set	4	6	6	20	40	20	40
- Wire baskets	1: 438x274x6 1: 438x137x6 Wire	1: 308x448x4.5 1: 200x448x4.5 Wire	3: 308x448x4.5 Wire	3: 320x505x6 Wire	5: 530x650x6 Wire	10:645x523x6 Wire	5: 530x650x6 Wire	10: 645x523x6 Wire
4 solid	0	1 solid	2 solid (half) (fridge)	2 solid (half) (fridge)	No	No	No	No
0	0	2 full + 2 half	2 full + 2 half	2 full + 4 half	No	No	No	No
No	No	No	No	No	No/Yes	No/Yes	No	No
No Yes	No Yes	No Yes	No Yes	No Yes	Yes	Yes No	Yes	Yes
Manual	Fridge: Automatic Freezer: Manual	Fridge: Automatic Freezer: Manual	Fridge: Automatic Freezer: Manual	Fridge: Automatic Freezer: Manual	Automatic	Automatic	Manual	Manual
Digital, external	Digital, external	Digital, external	Digital, external	Digital, external	Digital, external	Digital, external	Digital, external	Digital, external
SN R600a	N R134a	N R600a	N R600a	N R600a	N R134a	N R134a	ST R404a	ST R404a
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Yes Yes	Yes	Yes	Yes	Yes	Yes	Yes Yes	Yes	Yes
230	230	230	230	230	230	230	230	230
Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
60	30	45	60	60	60	60	60	60
Cyclopentane	Cyclopentane Yes	Cyclopentane Yes	Cyclopentane Yes	Cyclopentane Yes	Cyclopentane No	Cyclopentane No	Cyclopentane No	Cyclopentane No
Yes								

