



REFRIGERATION



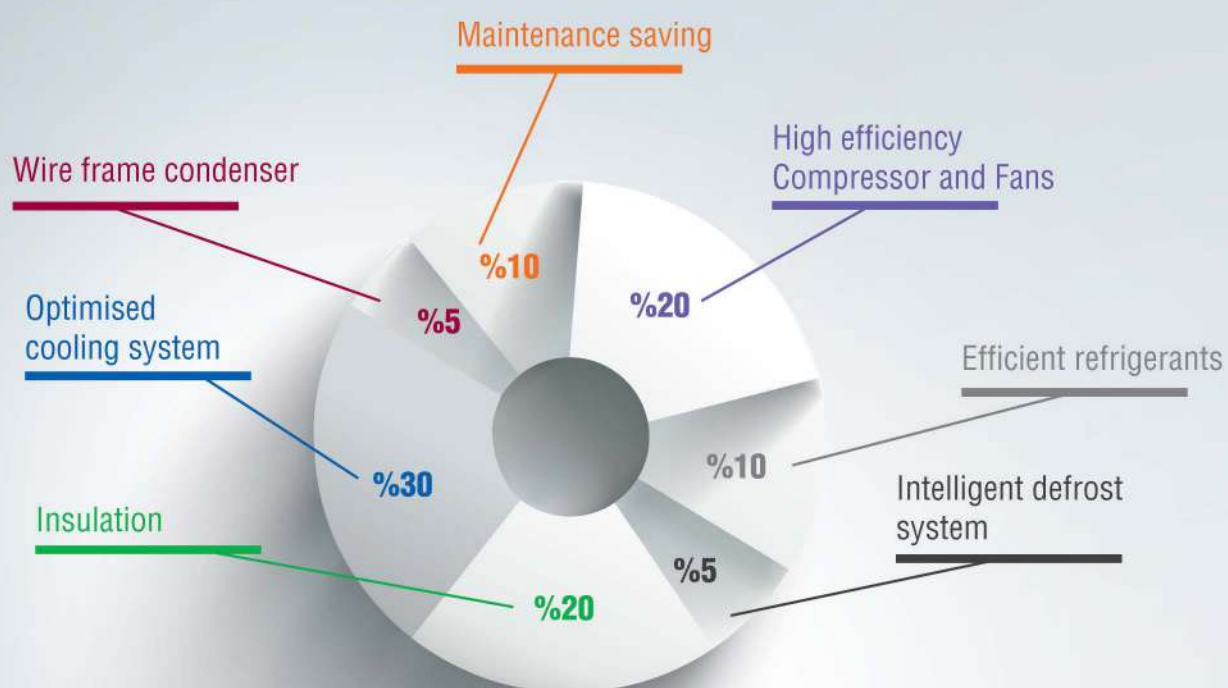
SPAIN 

it's cool!



COMERSA REFRIGERATORS

Offer the highest in performance and efficiency.



Features affecting high performance

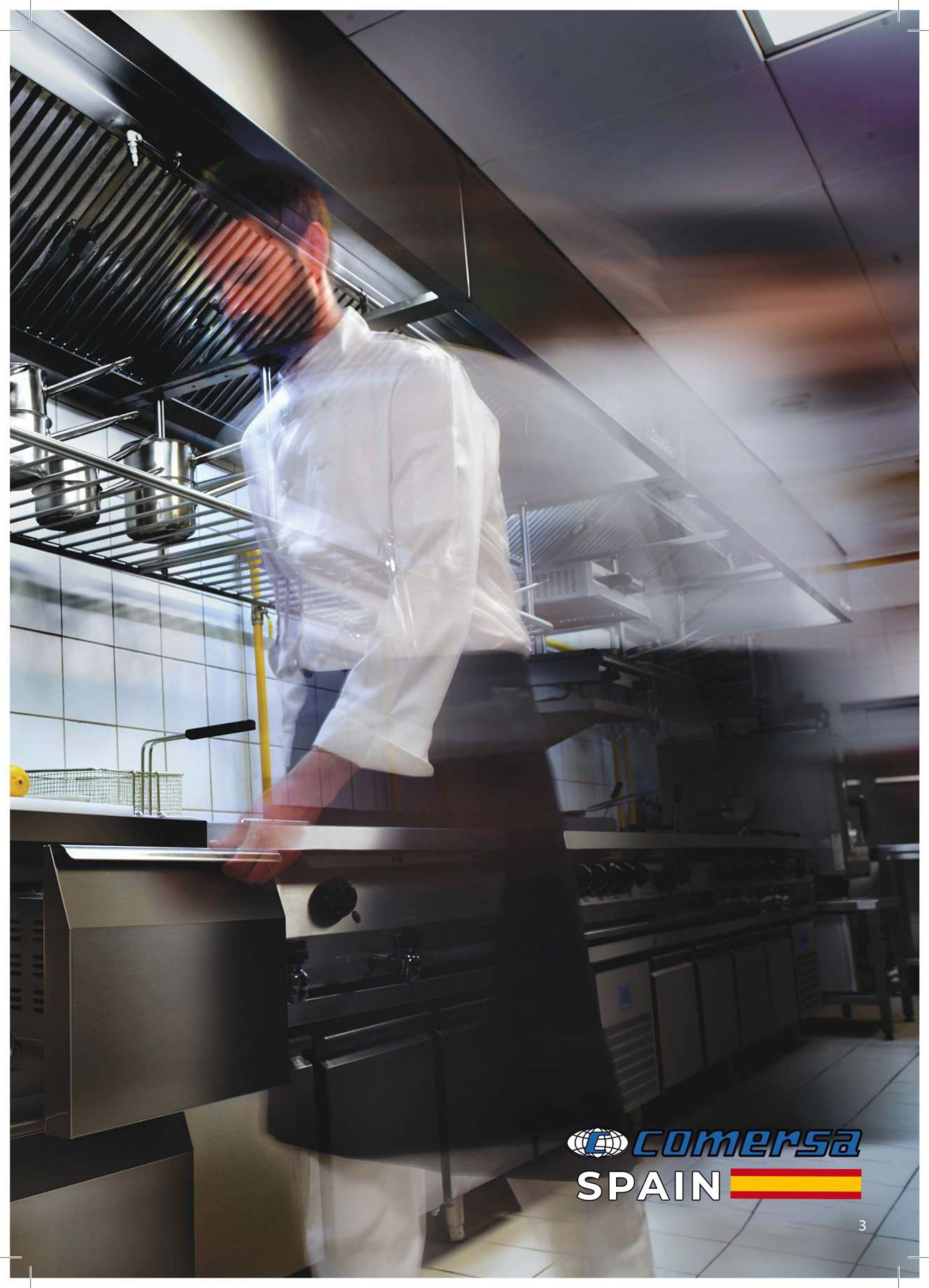
Provide low energy consumption and cost benefits compared to standard refrigerators.

ENERGY SAVING

Save energy, Save the World

Energy conservation is an important consideration factored into the design and production of refrigerator units. Our high-density, environmentally friendly, HFC-Free Polyurethane insulation allows our customers to benefit from reduced energy consumption costs. Through this technology temperature increase is effectively minimized during defrost periods.





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ENERGY SAVING



Features of Intelligent Defrost System (IDS)

- Evaluates frost accumulation on the evaporator and determines whether or not the accumulation is significant enough to allow a defrosting to take place.
- Icing is constantly kept under control. During intensive use it provides high-performance in cooling.
- Reduces the risk of food spoilage due to frost.
- Provides higher efficiency than the traditional defrost systems working in non-intensive use.
- Employs a series of sophisticated algorithms to ensure the evaporator is providing maximum system efficiency through individual components such as High/ Low temp. alarm, condenser temperature alarm recording/monitoring, humidity control and MODBUS support features. It supports centrally controlled network data and alarm systems.

CFC-Free Refrigerant

Together with the eco-friendly refrigerant(R134A/R404A) and high performance compressor, the carbon emission is minimized and cooling efficiency is maximized.
Optional: HC Refrigerant (R290)



ENERGY SAVING

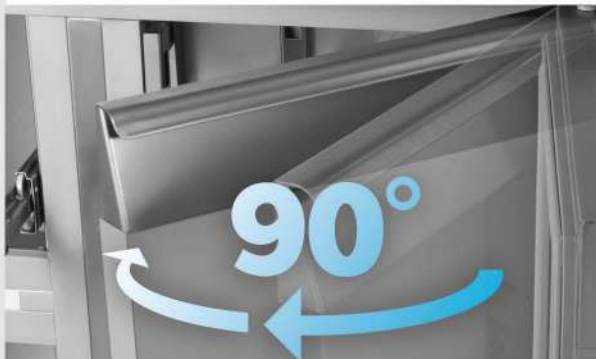


80 mm insulated walls

- 40-42 kg/m³ density environment friendly
- HFC-Free high pressurised polyurethane insulation
- 60 mm thickness for counter-type models

Self - closing Doors

Self closing below 90°



Internal LED light

The lowest energy consumption
(internal neon light on glass models)



Automatic Fan Cut - off Switch

Minimized heat loss against
frequent door usage



In high ambient temperatures, due to the frequent door usage, storage time of the food is reduced. It is extremely important to reach the optimum internal temperature rapidly to maintain the freshness the food products.



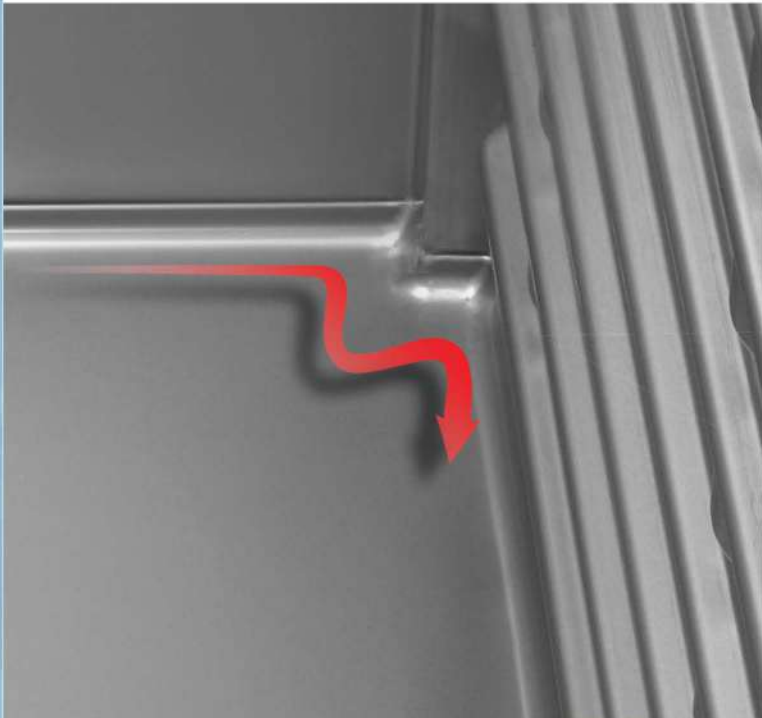
HYGIENE

Cool with Care

Our refrigerator units meet the highest standards for hygiene. Deep - drawn inner liners made of stainless steel maximize hygiene and make cleaning easy. Rounded corners are another key feature for easy cleaning and a more hygienic inner structure.

Handle

- Ergonomic handle design
- Side by side installation



Curved Base Corners

Mono-block base plate for easy cleaning

Radiused Inner Liners

- Upright GN 2/1 capacity, (counter type GN 1/1 capacity)
- 22 liners with 57mm height deep - drawn inner liners provides the highest hygiene standards
- Innovative design of inner liners for tilt-free containers
- 60 kg shelf load



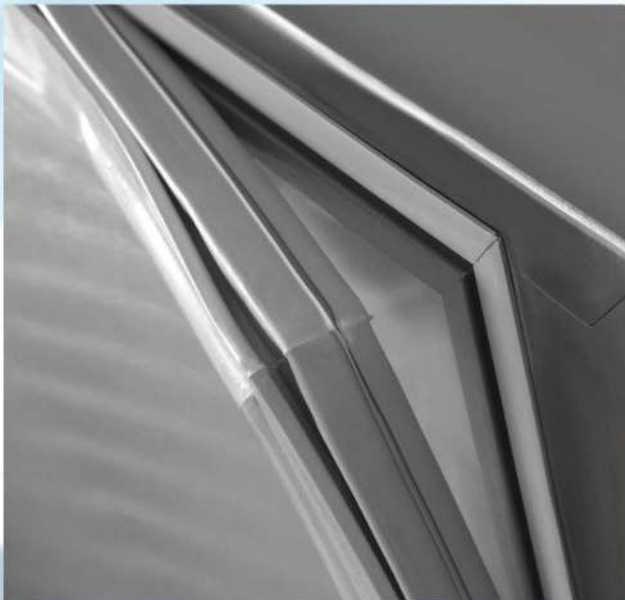
HYGIENE



150
mm

Stainless steel legs

150 mm high adjustable stainless steel!



Removable Gaskets

Triple insulated, wide magnetic gaskets

High Quality Stainless Steel

304 S/S interior and exterior
(front and sides)





HACCP digital control panel

- High/low temperature alarm, open door alarm and high condenser temperature alarm display and logger
- Basic humidity control (High, med., low)
- MODBUS protocol
- Enables networking with central data logging and alarm systems.

BMS
Compatible



MAINTENANCE

Mono block refrigeration

Maintenance is no longer a nightmare with our mono-block refrigeration system. A time-saving, easy-reach design and a clean-free condenser are just some of the features that make maintenance easy and fun.





Freeze your maintenance budget

Wire Frame Condenser

Dust-free wire condenser with a large surface area provides higher performance and lower maintenance costs.



PERFORMANCE

Sustainable Freshness

Tropicalized cooling system (+43 C°, 65% relative humidity) keeps your foods fresh. Intelligent Defrost System increases performance. Mono-block cabinet, Mono-block refrigeration system, Compact design with hidden evaporator and 80 mm insulated walls (only for cabinets) provide higher performance

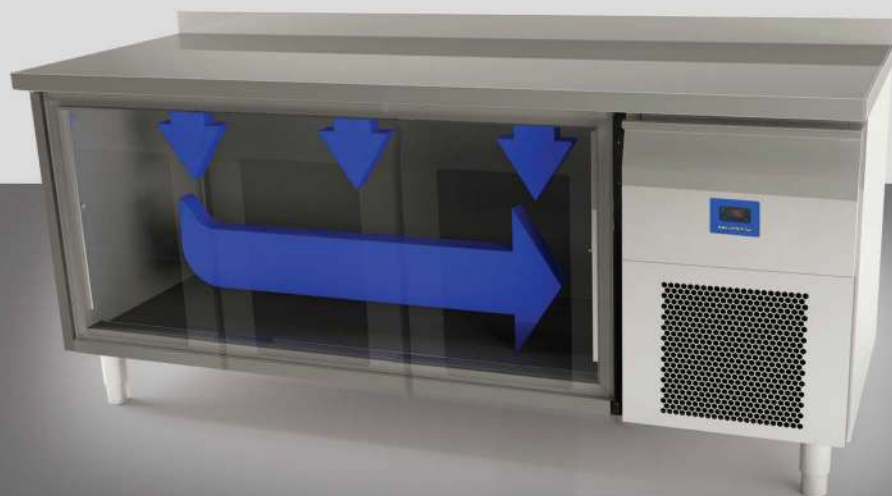


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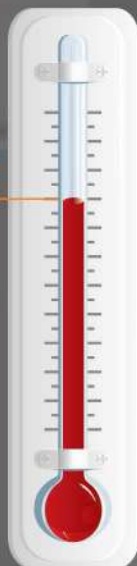
PERFORMANCE

Homogenous Air Circulation

Uniform air circulation with air distribution channel



+43°C



Mono-block refrigeration unit

- Tropicalised cooling system +43 °C, 65% relative humidity
- Low energy consumption
- Large surface area of the evaporator
- ESP painting against corrosion
- Ease of maintenance
- CFC-Free cooling gas R134A/R404A
- Optional: HC Refrigerant (R290)

High Internal Volume

Mono-block cooling system with evaporator-free cabin

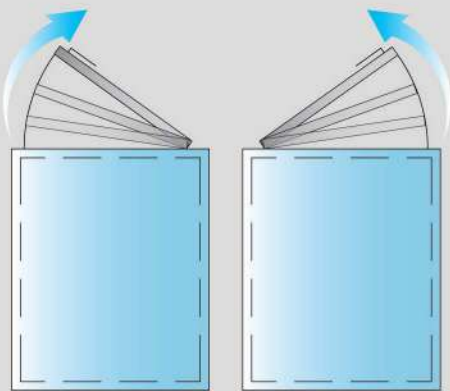


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PERFORMANCE

Flexibility

Reversible doors



IPX5 water protection

Full frontal water-proof design.

Heavy Duty Runners

Anti-tilt s/s runners for drawers



CHARTS & SPECS



CABINETS



GENERAL FEATURES							
• TROPICALISED + 43 °C • AISI 5/S 304 • INTELLIGENT DEFROSTING SYSTEM • FORCED AIR COOLING • DOOR LOCK • GN 2/1 CAPACITY • ADJUSTABLE LEGS HEIGHT 130-200 mm • LED LIGHT				• HACCP DIGITAL • 3 SHELVES FOR SINGLE DOOR MODELS • 6 SHELVES FOR DOUBLE DOOR MODELS • NEON LIGHTING FOR GLASS DOOR MODELS • VOLTAGE 220-50 HZ (OPTIONAL: 60 HZ) • WALL INSULATION 80 mm PU • SHELF LOADING 60 KG			
CHILLERS				FREEZERS			
(TEMP. RANGE: -2 / +8 °C) COOLING GAS R134A NOISE LEVEL 52 dB(A)				(TEMP. RANGE: -5 / -22 °C) COOLING GAS R404A NOISE LEVEL 57 dB(A)			
CODE	DIMENSIONS (mm) W/L/H	GROSS CAPACITY (lt) (lt)	POWER	CODE	DIMENSIONS (mm) W/L/H	GROSS CAPACITY (lt)	POWER
1 FULL DOOR	840/690/2100	610	0.30 kW		840/690/2100	610	0.59 kW
2 HALF DOORS	840/690/2100	610	0.30 kW		840/690/2100	610	0.59 kW
1 FULL GLASS DOOR	840/690/2100	610	0.31 kW	N/A	N/A	N/A	N/A
2 HALF GLASS DOORS	840/690/2100	610	0.31 kW		N/A	N/A	N/A
2 FULL DOORS	840/1380/2100	1410	0.39 kW		840/1380/2100	1410	0.77 kW
4 HALF DOORS	840/1380/2100	1410	0.39 kW		840/1380/2100	1410	0.77 kW
2 FULL DOORS	840/1380/2100	1410	0.41 kW	N/A	N/A	N/A	N/A
4 HALF GLASS DOORS	840/1380/2100	1410	0.41 kW		N/A	N/A	N/A



COUNTERS (W= 700 mm)



GENERAL FEATURES							
- TROPICALISED + 43 °C - AISI S/S 304 - INTELLIGENT DEFROSTING SYSTEM - FORCED AIR COOLING - GN 1/1 CAPACITY - VOLTAGE 220-50 HZ (OPTIONAL: 60 HZ)				- WALL INSULATION 60 mm PU - SHELF LOADING 30 KG - ADJUSTABLE LEGS HEIGHT 130-200 mm - HACCP DIGITAL - ONE SHELF FOR EACH DOOR - INTERNAL LIGHTING FOR GLASS DOOR MODELS			
CHILLERS				FREEZERS			
(TEMP. RANGE: -2 / +8 °C) COOLING GAS R134A NOISE LEVEL 52 dB(A)				(TEMP. RANGE: -5 / -22 °C) COOLING GAS R404A NOISE LEVEL 57 dB(A)			
CODE	DIMENSIONS (mm) W/L/H	GROSS CAPACITY (lt)	POWER	CODE	DIMENSIONS (mm) W/L/H	GROSS CAPACITY (lt)	POWER
	700/1420/850	301	0.3 kW		700/1420/850	301	0.5 kW
	700/1880/850	457	0.39 kW		700/1880/850	457	0.6 kW
	700/2340/850	625	0.44 kW		700/2340/850	625	0.75 kW
	700/1420/850	301	0.31 kW		N/A	N/A	N/A
	700/1880/850	457	0.41 kW	N/A	N/A	N/A	N/A
	700/2340/850	625	0.47 kW		N/A	N/A	N/A
	700/1420/850	301	0.3 kW		700/1420/850	301	0.5 kW
	700/1880/850	457	0.39 kW		700/1880/850	457	0.6 kW
	700/2340/850	625	0.44 kW		700/2340/850	625	0.75 kW
	700/1420/850	301	0.3 kW		700/1420/850	301	0.5 kW
	700/1880/850	457	0.39 kW		700/1880/850	457	0.6 kW
	700/2340/850	625	0.44 kW		700/2340/850	625	0.75 kW



UNDERCOUNTERS (W= 700 mm)

GENERAL FEATURES			
• TROPICALISED + 43 °C • AISI 5/5 304 • STATIC COOLING • COOLING GAS R134A • GN 1/1 CAPACITY • NOISE LEVEL 52 dB(A)		• VOLTAGE 220-50 HZ (OPTIONAL: 60 HZ) • WALL INSULATION 50 mm PU • SHELF LOADING 30 KG • ADJUSTABLE LEGS HEIGHT 130-200 mm • HACCP DIGITAL • ONE SHELF FOR EACH DOOR	
CHILLERS			
(TEMP. RANGE: -2 / +8 °C)			
CODE	DIMENSIONS (mm) W/L/H	GROSS CAPACITY (lt)	POWER
	700/1420/600	180	0.26 kW
	700/1880/600	260	0.3 kW
	700/2400/600	365	0.35 kW
	700/1420/600	180	0.26 kW
	700/1880/600	260	0.30 kW
	700/2400/600	365	0.35 kW



COUNTERS (W= 600 mm)



GENERAL FEATURES							
- TROPICALISED + 43 °C - AISI S/S 304 - INTELLIGENT DEFROSTING SYSTEM - FORCED AIR COOLING - COOLING GAS R134/R404 - SN 325x430 SHELF CAPACITY				- VOLTAGE 220-50 HZ (OPTIONAL: 60 HZ) - WALL INSULATION 60 mm PU - SHELF LOADING 30 KG - ADJUSTABLE LEGS HEIGHT 130-200 mm - HACCP DIGITAL - ONE SHELF FOR EACH DOOR - INTERNAL LIGHTING FOR GLASS DOOR MODELS			
CHILLERS				FREEZERS			
(TEMP. RANGE: -2 / +8 °C) COOLING GAS R134A NOISE LEVEL 52 dB(A)				(TEMP. RANGE: -5 / -22 °C) COOLING GAS R404A NOISE LEVEL 57 dB(A)			
CODE	DIMENSIONS (mm) W/L/H	GROSS CAPACITY (lt)	POWER	CODE	DIMENSIONS (mm) W/L/H	GROSS CAPACITY (lt)	POWER
	600/1420/850	252	0.3 kW		600/1420/850	252	0.5 kW
	600/1880/850	380	0.39 kW		600/1880/850	380	0.6 kW
	600/2340/850	518	0.44 kW		600/2340/850	518	0.75 kW
	600/1420/850	252	0.31 kW	N/A	N/A	N/A	N/A
	600/1880/850	380	0.41 kW	N/A	N/A	N/A	N/A
	600/2340/850	518	0.47 kW	N/A	N/A	N/A	N/A
	600/1420/850	252	0.3 kW		600/1420/850	252	0.5 kW
	600/1880/850	380	0.39 kW		600/1880/850	380	0.6 kW
	600/2340/850	518	0.44 kW		600/2340/850	518	0.75 kW
	600/1420/850	252	0.3 kW		600/1420/850	252	0.5 kW
	600/1880/850	380	0.39 kW		600/1880/850	380	0.6 kW
	600/2340/850	518	0.44 kW		600/2340/850	518	0.75 kW
	600/1420/850	252	0.3 kW		600/1420/850	252	0.5 kW
	600/1880/850	380	0.39 kW		600/1880/850	380	0.6 kW
	600/2340/850	518	0.44 kW		600/2340/850	518	0.75 kW

UNDERCOUNTERS (W= 600 mm)

GENERAL FEATURES			
• TROPICALISED + 43 °C • AISI S/S 304 • STATIC COOLING • COOLING GAS R134A • SN 325x430 SHELF CAPACITY • NOISE LEVEL 52 dB(A)		• VOLTAGE 220-50 HZ (OPTIONAL: 60 HZ) • WALL INSULATION 50 mm PU • SHELF LOADING 30 KG • ADJUSTABLE LEGS HEIGHT 130-200 mm • HACCP DIGITAL • ONE SHELF FOR EACH DOOR	
CHILLERS			
(TEMP. RANGE: -2 / +8 °C)			
CODE	DIMENSIONS (mm) W/L/H	GROSS CAPACITY (lt)	POWER
	600/1420/600	136	0.26 kW
	600/1880/600	215	0.3 kW
	600/2400/600	295	0.35 kW
	600/1420/600	136	0.28 kW
	600/1880/600	215	0.36 kW
	600/2400/600	295	0.4 kW



PREPARATION UNITS



GENERAL FEATURES

- TROPICALISED + 43 °C
- AISI 5/S 304
- DIGITAL DISPLAY
- FORCED AIR COOLING
- COOLING GAS R134/R404
- HACCP DIGITAL / INTERFACE RS485
- VOLTAGE 220-50 HZ (OPTIONAL: 60 HZ)

(TEMP. RANGE: +2 / +8 °C)

CODE	DIMENSIONS (mm) W/L/H	CAPACITY	POWER
GLASS ■■■■■	340/1420/440	6 GN 1/4	0.2 kW
GLASS ■■■■■	340/1880/440	9 GN 1/4	0.2 kW
GLASS ■■■■■	340/2340/440	12 GN 1/4	0.2 kW
LOW ■■■■■	340/1420/300	6 GN 1/4	0.2 kW
LOW ■■■■■	340/1880/300	9 GN 1/4	0.2 kW
LOW ■■■■■	340/2340/300	12 GN 1/4	0.2 kW
HIGH ■■■■■	340/1420/600	6 GN 1/4	0.2 kW
HIGH ■■■■■	340/1880/600	9 GN 1/4	0.2 kW
HIGH ■■■■■	340/2340/600	12 GN 1/4	0.2 kW



WORK TOP OPTIONS FOR COUNTERS AND UNDERCOUNTERS

MATERIAL	CODE	DIMENSIONS (mm) W/L/H	SPLASHBACK	MATERIAL	CODE	DIMENSIONS (mm) W/L/H	SPLASHBACK
INOX		600/1420	N.A	INOX		600/1420	YES
INOX		600/1880	N.A	INOX		600/1880	YES
INOX		600/2400	N.A	INOX		600/2400	YES
INOX		700/1420	N.A	INOX		700/1420	YES
INOX		700/1880	N.A	INOX		700/1880	YES
INOX		700/2400	N.A	INOX		700/2400	YES
MARBLE		600/1420	N.A	MARBLE		600/1420	YES
MARBLE		600/1880	N.A	MARBLE		600/1880	YES
MARBLE		600/2400	N.A	MARBLE		600/2400	YES
MARBLE		700/1420	N.A	MARBLE		700/1420	YES
MARBLE		700/1880	N.A	MARBLE		700/1880	YES
MARBLE		700/2400	N.A	MARBLE		700/2400	YES
POLYETHYLENE		600/1420	N.A	POLYETHYLENE		600/1420	YES
POLYETHYLENE		600/1880	N.A	POLYETHYLENE		600/1880	YES
POLYETHYLENE		600/2400	N.A	POLYETHYLENE		600/2400	YES
POLYETHYLENE		700/1420	N.A	POLYETHYLENE		700/1420	YES
POLYETHYLENE		700/1880	N.A	POLYETHYLENE		700/1880	YES
POLYETHYLENE		700/2400	N.A	POLYETHYLENE		700/2400	YES
GRANITE		600/1420	N.A	GRANITE		600/1420	YES
GRANITE		600/1880	N.A	GRANITE		600/1880	YES
GRANITE		600/2400	N.A	GRANITE		600/2400	YES
GRANITE		700/1420	N.A	GRANITE		700/1420	YES
GRANITE		700/1880	N.A	GRANITE		700/1880	YES
GRANITE		700/2400	N.A	GRANITE		700/2400	YES

OPTIONAL ACCESSORIES



	CODE	DESCRIPTION		CODE	DESCRIPTION
		GN1/1 drawers (2/3+1/3) Available only for counter fridges "A" TYPE DRAWERS			4 castors kit (2a+2b) h= 150mm Ø=125mm CASTOR SET
		GN1/1 Drawers (2 x 1/2) Available only for counter fridges "B" TYPE DRAWERS			Up to 400W Remote condensing unit with R134a (including installation equipments for 15m) REMOTE UNIT "A"
		GN1/1 Drawers (3 x 1/3) Available only for counter fridges "C" TYPE DRAWERS			Up to 700W Remote condensing unit with R134a (including installation equipments for 15m) REMOTE UNIT "B"
		GN1/1 Drawers (2 x 1/3) Available only for under-counter fridges "D" TYPE DRAWERS			Up to 500W Remote condensing unit with R404a (including installation equipments for 15m) REMOTE UNIT "C"
		GN1/1 Drawer (1 x 2/3) Available only for under-counter fridges "E" TYPE DRAWERS			Up to 800W Remote condensing unit with R404a (including installation equipments for 15m) REMOTE UNIT "D"
		Standart door for counter type "S" TYPE DOOR			WATER COOLED CONDENSER
		Glass door for counter type "G" TYPE DOOR			Central monitoring system software SOFTWARE
		Standart door for under-counter type "H" TYPE DOOR			Data logger for refrigerators USB Recorder USB PORT
		Key locks for each door/drawer LOCK			RS485/RS232 adapter to connect to central monitoring system for each refrigerator RS485 / RS232 ADAPTER
		GN1/1 drawer spacer pair DRAWER SPACER			ENERGY EFFICIENT FANS
		GN1/1 plastic coated grid shelf GN 1/1 SHELF PVC			GN1/1 stainless steel grid shelf GN 1/1 SHELF SS
		GN2/1 plastic coated grid shelf GN2/1 Stainless steel grid shelf GN 2/1 SHELF PVC			GN2/1 stainless steel grid shelf GN 2/1 SHELF SS
		SN 325x430 plastic coated grid shelf SN 325x430 PLASTIC SHELF PVC			SN 325x430 stainless steel grid shelf SN 325x430 SHELF SS

MODEL CODING FOR REFRIGERATED COUNTERS
X: Compressor unit
Example: BBSX

Compartment "B": Type drawers
Compartment "B": type drawers
Compartment "S": Type door
Compartment "C": Compressor unit



RUSSIA PRODUCT
CERTIFICATE



ELECTRICAL
APPLIANCES
PRODUCT
CERTIFICATE



UKRAINE PRODUCT
CERTIFICATE



THE RESTRICTION OF
HAZARDOUS SUBSTANCES
DIRECTIVE (WEEE)



SPAIN