FLEX
SERIES

Flexibility | Durability | Tecnology



FRIGOKING

FLEX SERIES

Engineered for small-to-medium sized delivery vehicles, as vans and small refrigerated trucks, that requires high performance in any route.

Safety, technology, flexibility, and efficiency for agile, economical, and smooth refrigerated transport.

Flexibility.
Durability.
Technology.

Ideal for small-to-medium sized delivery vehicles.

Flex series is ideal choice for small-to-medium sized delivery vehicles, as vans and small refrigerated trucks, providing all the flexibility necessary for efficiency and agility for the transportation of fresh or frozen goods with lightweight but reinforced and resistant structure.



Results With efficiency and flexibility

When your company results are in the topic, we are sure that Flex series is the best option. Offering flexibility, economy, reduced environmental impact and the technology that customer demands. Choose a reliable equipment for increase efficiency to your urban delivery.

NO MATTER WHAT'S YOUR BUSINESS, WE HAVE AN IDEAL FLEX FOR YOU!

Do your clients demand adaptation capacity? We offer a system as flexible as your business. Choose over a wide range of models frontal or roof mounted, for fresh or frozen products application.

EASY AND FAST INSTALLATION

Service for Flex series may be done for any experienced technician, who counts with our corporate training program to support to reach the best.



YOUR LOAD WITH LOW OPERATING COSTS

Flex series offers high performance and high efficiency products for low maintenance cost temperature control.

MY FRIGO KING TECHNOLOGY: THE CONTROL IN THE PALM OF YOUR HANDS

My FRIGO KING exclusive application provides real time information of your equipment, in the palm of your hand or in your desktop, no upfront payment or monthly fee. Your truck stays longer on the road with information, technology, easy maintenance and real saving.

SUPER HEAVY DUTY PHILOSOPHY MORE TIME ON THE ROUTE

Understanding the challenges of this market is what makes the Super Heavy-Duty Philosophy the difference when choosing your Frigo King equipment, our job is to solve your problem, that's why we don't negotiate when it comes to quality and responsible maintenance. We understand that for your truck to stay longer on the road, it was necessary for our engineers to go beyond offering durability and quality through the best parts, but combine it with availability anywhere in the world and simplicity of use.

Standard Durability

For enhanced compressor life, oil separator is standard for MAX versions. Every single component, from the core (compressor, fans, hose) to control is Super Heavy-Duty. Quality on the highlights, and best in class components inside.

Light design, compact and robust structure



REFRIGERATION SYSTEM

Uses a direct mounted compressor* and an electric mounted for stand by operation (only "plus" model). It is also available MAX versions with extra cooling capacity.

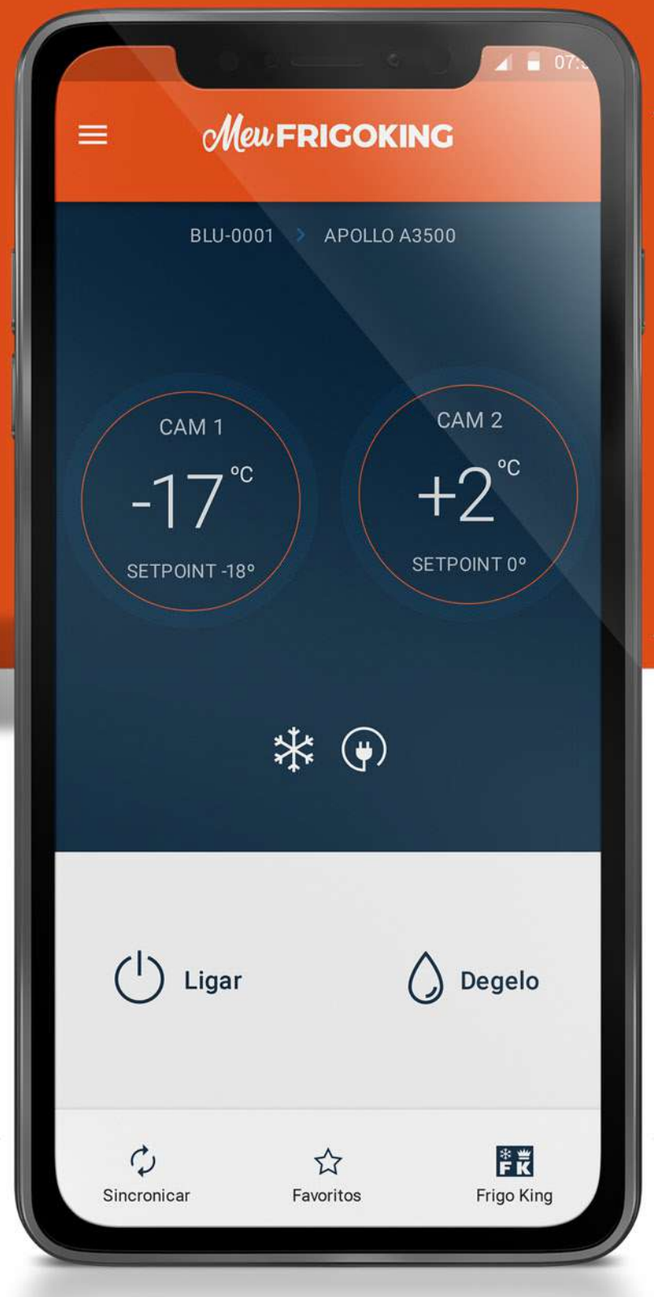
*Except for EPS models (for EV). For EV with power outlet and Flex SRX EPS. **Available under request.

Control your FLEX in the palm of your hand.

MY FRIGOKING is an application that allows equipment control. Access qualified information and much more from wherever you are. Whether by cell phone or computer, your Frigo King is in the palm of your hand.



Exclusive FRIGOKING Technology.



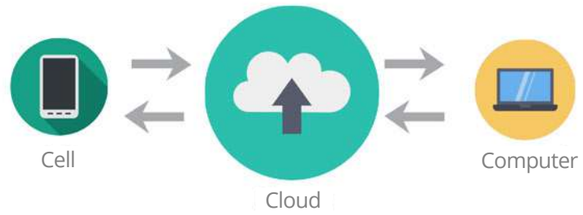
MAINTENANCE AND ACCESS TO THE ASSISTANCE NETWORK IN THE PALM OF YOUR HAND

Needed maintenance or assistance on the road?

My FrigoKing provides, in the palm of your hand, the entire technical assistance network closest to wherever you are. The app uses the GPS system to provide you with the best route and details of the nearest assistance service.

ACCESS AND CONTROL YOUR EQUIPMENT FROM WHEREVER YOU ARE

In addition to the driver being able to operate daily via cell phone (Bluetooth connection), the fleet owner tracks information (logs), controls, and changes any parameter in real-time on the equipment via computer from anywhere.



FREE APP WITH NO MONTHLY FEES

We are one of the pioneers in providing DATA LOGGER as standard at no cost on all our equipment and, with the app, it would be no different. FrigoKing customers have total access to the exclusive MY FRIGOKING technology for free and with no monthly fees, as our app uses Bluetooth connection and the driver's cell phone internet.

REAL-TIME DATA LOGGING AND ACCESS

Your cargo needs to be safe. With the MY FRIGOKING app, all information during the journey is recorded and made available through the app or on your computer in real time, making your work more agile and your customer's cargo secure.

MeuFRIGOKING

Available on the App Store

Available on the Google Play

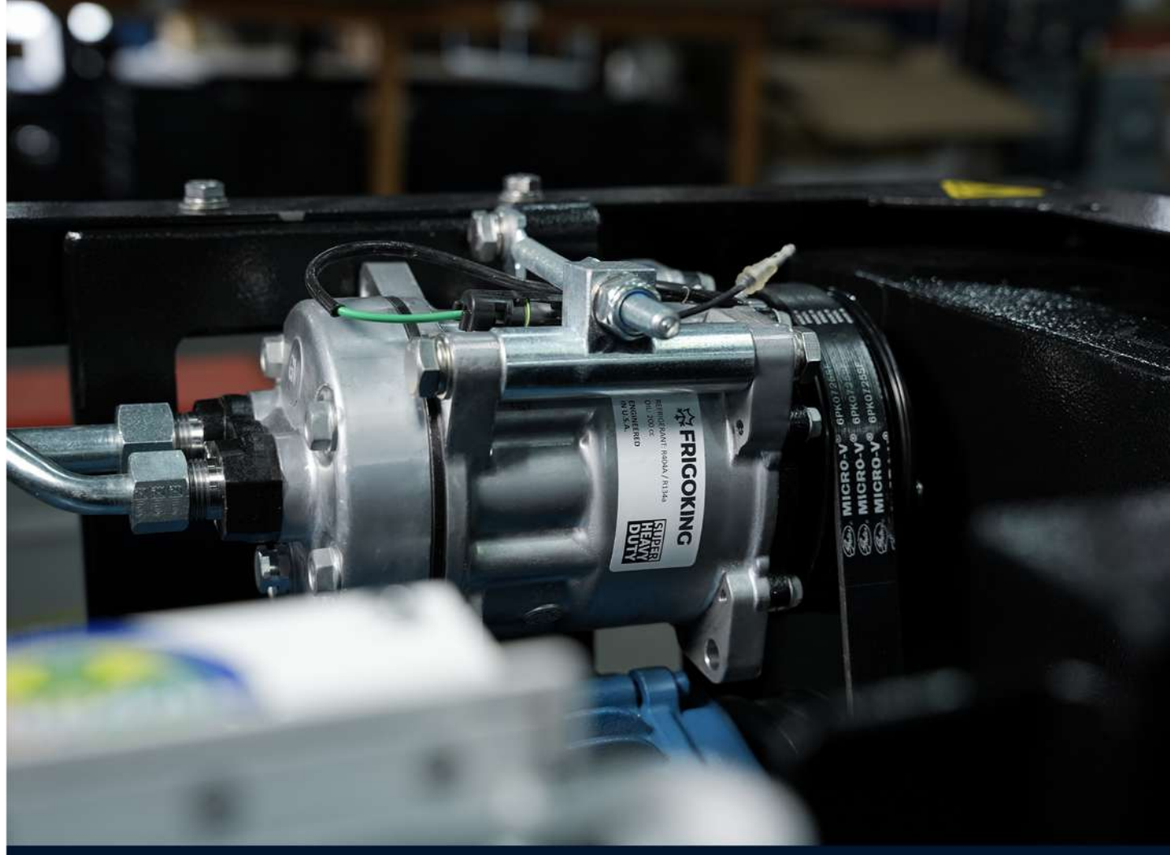
Unlock all potential of your Flex with our Corporate Training Program

FREE training for managers, drivers, buyers, and technical assistance. It is knowledge that supports to save money on fuel, maintenance and increase the quality of service. For our partners, we offer commercial develop to support the client how to choose the best equipment according to the situation.



Train your staff with the best and most exclusive COLD CHAIN UNIVERSITY in Latin America.

UNIVERSIDADE do FRIO



Always choose ORIGINAL FRIGO KING PARTS

Every little detail of Frigo King products is designed so that your truck stays longer on the road. It's not just about choosing the best components, but about a non-negotiable commitment to quality. It's our SUPER HEAVY DUTY philosophy!

For the maintenance of your equipment, always choose FRIGO KING spare parts and our authorized technical support network.

eFLEX

YOUR ELECTRIC VEHICLE WITH
MORE RANGE, HIGHER EFFICIENCY AND SUSTAINABILITY



Did you know that when the refrigeration unit runs on your electric vehicle's battery, or causes your gasoline-powered car to consume too much?

eFLEX solves that! It has its own independent battery!

SMART DESIGN, REAL RESULTS!

- **Strong battery:**
  Comes with a special high-capacity 48 Vdc lithium battery: 52 Ah or 72 Ah, so your equipment works much better.
- **Hassle-free installation:**
  No electrical or mechanical coupling needed on your vehicle.
- **Smart defrost:**
  Our defrost system knows the right time to operate and save energy.

MORE TIME ON THE ROAD, LESS EXPENSE!

FOR ELECTRIC VEHICLES:
More range for your main battery. Your electric car will go further!

FOR COMBUSTION VEHICLES:
Fuel savings of up to 20%. Real money in your pocket!

FAST PAYBACK:
With these great savings and increased range, you recover the value of your eFLEX and help pay for your high-cost vehicle. Much faster! It is an investment that pays for itself!

HASSLE-FREE:
It is not necessary to modify your vehicle to install it.





Lithium Battery

The E-FLEX equipment is assembled with LiFePO4 (lithium iron phosphate) type lithium batteries, recognized for their high efficiency, durability, and operational safety. Among the main benefits of this technology are its long service life, with the capacity for thousands of charge and discharge cycles without significant performance loss, high thermal stability—which allows safe operation under different temperature conditions—and a low self-discharge rate, ensuring greater autonomy even during periods of inactivity. In addition, these batteries require no periodic maintenance, are lighter compared to traditional batteries, and present a lower environmental impact, contributing to a more reliable, economical, and sustainable operation of the equipment

The Standard version of the equipment is assembled with 52Ah battery, and it is also possible to acquire it with a 72Ah battery, generating even more autonomy for your equipment. The 72Ah battery is an optional item.

Optionals:

72Ah battery
Solar panels

Technical Specifications - Equipment

Cooling Capacity	
Return Temperature: 2°C	6004 BTU/h - 1761 W
Return Temperature: -18°C	-
Air Flow - Fans	
Condensing Unit (m³/h)	820 at 10 mmH_2O
Evaporator Unit (m³/h)	1030 at 10 mmH_2O
Weight	
Condensing Unit (kg)	70 kg
Evaporator Unit (kg)	10 kg
Compressor	
Model	WF130HD048
Operating Range (RPM)	900-4200 rpm
Voltage (V)	48V
Displacement (cm³)	13 cm^3
Refrigerant	
Refrigerant HFC	R134a
Charge (kg)	0.85 kg
Refrigerant Oil	
Oil Type	POE
Charge (ml)	250 ml
Electrical Data	
Control Voltage (V)	12/24 VDC
Supply Voltage (V)	48 VDC
Rated Current (48 VDC)	13 A
Power Consumption (W)	600 W

Technical Specifications - Battery

Nominal Battery Energy (W/h)	52 Ah (standard)	72 Ah (optional)
Capacity (Ah)	2496 W/h	3456 W/h
Battery Type	48V	
Nominal Voltage (V)	46.4V - 58.4V	
Maximum Charging Current (A)	25A	
Operating Temperature (°C)	-10 to +55°C	
Dimensions	410 x 390 x 180	
Weight	20 kg	28 kg
Energy Efficiency	>97%	
EMC Standard Compliance	EN 61000 chapters 4.2, 4.3, 4.5, 4.6 / EN 55022	
Communication	CAN	



FLEX EPS

ENERGY EFFICIENCY FOR SUSTAINABLE BUSINESS

In recent years, concern about the future of fossil fuel use in vehicles has increased, the search for alternatives has grown, and the electric solution has been well accepted by the market. Frigo King is attentive to trends and, as part of the ESG good practices system as a supplier, has put engineering to develop products and solutions that can serve vehicles with energy efficiency.

We created the FLEX SRX EPS, equipment for trucks with an electric motor and for vehicles with ePTO. We are 100% connected to the ESG concept, care for the environment, people and sustainability.

eps ELETRIC POWER SYSTEM

*My Frigo King technology is not available for the EPS line

- Energy Efficiency
- Sustainable Future
- Care for people and the environment
- Connected with the ESG concept



FRIGOKING



Specifications

EQUIPAMENT	FLEX S		FLEX S MAX		FLEX SR		FLEX SR MAX		FLEX SRX		FLEX SRX PLUS		FLEX SRX MAX		FLEX SRX MAX PLUS		FLEX ULTRA MAX		FLEX SRX EPS	
COOLING CAPACITY - PERFORMANCE																				
Return Temperature	2°C	-18°C	2°C	-18°C	2°C	-18°C	2°C	-18°C	2°C	-18°C	2°C	-18°C	2°C	-18°C	2°C	-18°C	2°C	-18°C	2°C	-18°C
Watt (W)	1761	N/A	2110	1120	2255	N/A	2785	1520	2978	N/A	2978	N/A	3345	1850	3345	1850	4520	3160	2978	N/A
BTU/h	6004	N/A	7194	3818	7688	N/A	9495	5182	10153	N/A	10153	N/A	11404	6307	11404	6307	15410	10774	10153	N/A
***AIR FLOW* - SHD Fans**																				
Condensing Unit (m³/h)	1400m³/h à 10mmca		1400m³/h à 10mmca		1400m³/h à 10mmca		1400m³/h à 10mmca		1400m³/h à 10mmca		1400m³/h à 10mmca		1400m³/h à 10mmca		1400m³/h à 10mmca		2800m³/h à 10mmca		1400m³/h à 10mmca	
Evaporator Unit (m³/h)	620m³/h à 10mmca		620m³/h à 10mmca		1240m³/h à 10mmca		1240m³/h à 10mmca		1240m³/h à 10mmca		1240m³/h à 10mmca		1240m³/h à 10mmca		1240m³/h à 10mmca		3720m³/h à 10mmca		1240m³/h à 10mmca	
WEIGHT																				
Condensing Unit (kg)	19,5		20		20		20		19,5		68		20		69		42		68	
Evaporator Unit (kg)	10		10		15		15		19		19		19		19		27		19	
SUPER HEAVY DUTY COMPRESSOR																				
Model	FK7H15																			
Compressor Type	Compressor à pistão																			
Maximum Rotation (RPM)	6000																			
Number of Pistons	7																			
Voltage(Dc)	12/24																			
Displacement (cm³)	154,7																			
Crankcase Capacity (ml)	200																			
ELECTRICAL DATA																				
Current in 380V (50Hz)(A)	N/A		N/A		N/A		N/A		N/A		5,0		N/A		N/A		N/A		NA	
Current in 220V (A) - Single-phase	N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A		N/A	
Current in 220V (A)	N/A		N/A		N/A		N/A		N/A		8,0		N/A		8,0		N/A		8,0	
Current in 380V (A)	N/A		N/A		N/A		N/A		N/A		5,0		N/A		N/A		N/A		5,0	
Current in12Vcc (A)	26,5		26,5		35		35		35		35		35		35		45		35	
Current in24Vcc(A)	11		11		15		15		15		15		15		15		35		NA	
Current in24Vcc(A) (50Hz)	N/A		N/A		N/A		N/A		N/A		19,5		N/A		N/A		N/A		NA	
Electric Vehicle Voltage (Vcc)	NA		NA		NA		NA		NA		NA		NA		NA		NA		500 - 650	
Voltage / Phase / Frequency	N/A		N/A		N/A		N/A		N/A		220 / 3 / 60 380 / 3 / 60 220 / 3 / 50 380 / 3 / 50		N/A		220 / 3 / 60 380 / 3 / 60 220 / 3 / 50 380 / 3 / 50		N/A		220 / 3 / 60 380 / 3 / 60 220 / 3 / 50 380 / 3 / 50	
REFRIGERANT																				
Refrigerant HFC	R134a		R404A		R134a		R404A		R134a		R134a		R404A		R404A		R404A		R134a	
Charge (Kg)	1,0		0,9		1,0		0,9		1,0		1,1		0,75		0,9		1,0		1,0	

FLEX SERIES

FROST

- By time
- By time and temperature
- With hot gas
- With drip time
- With pre-cooling



Choose the best FLEX for you

				2M	2,8M	3,5M	4,2M	5M
	Model	Fluid	Isolation	4m³	8m³	12m³	16m³	20m³
FLEX SERIES	Flex S	R134a	50mm	até - 8°C	até 0°C	até +10°C	até +18C	NA
			75mm	até -10°C	até -5°C	até +8°C	até +15°C	NA
			100mm	até -12°C	até -8°C	até +5°C	até +12°C	NA
	Flex S Max	R404A	50mm	NA	NA	NA	NA	NA
			75mm	-5°C até -12°C	-5°C até -8°C	NA	NA	NA
			100mm	-5°C até -18°C	-5°C até -12°C	NA	NA	NA
	Flex SR	R134a	50mm	até -12°C	até -8°C	até -0°C	até +10°C	até +18°C
			75mm	até -15°C	até -10°C	até -5°C	até +8°C	até +15°C
			100mm	até -15°C	até -12°C	até -8°C	até +5°C	até +12°C
	Flex SR Max	R404A	50mm	N/A	NA	NA	NA	NA
			75mm	-5°C até -18°C	-5°C até -18°C	-5°C até -8°C	NA	NA
			100mm	-5°C até -18°C	-5°C até -18°C	-5°C até -12°C	NA	NA
	Flex SRX Flex SRX Plus Flex SRX EPS	R134a	50mm	até -15°C	até -10°C	até -8°C	até -5°C	até 0°C
			75mm	até -15°C	até -12°C	até -10°C	até -8°C	até -3°C
			100mm	até -15°C	até -15°C	até -12°C	até -10°C	até -5°C
	Flex SRX Max Flex SRX Max Plus	R404A	50mm	NA	NA	NA	NA	NA
			75mm	-5°C até -18°C	-5°C até -18°C	-5°C até -15°C	-5°C até -10°C	NA
			100mm	-5°C até -18°C	-5°C até -18°C	-5°C até -18°C	-5°C até -15°C	NA
	Flex Ultra Max	R404A	50mm	NA	NA	NA	NA	NA
			75mm	NA	NA	NA	-5°C a -15°C	-5°C a -12°C
			100mm	NA	NA	NA	-5°C a -18°C	-5°C a -15°C

- The cab-in control is standard locked minimum temperature at -18°C (0°F).
- Considering the product loaded in the same temperature for transport.
- Approximate values and variations may occur according to refrigerated body, product, and operation.
- Minimum isolation of 120 mm (5 inches) on the floor, 100 mm (4 inches) on the roof, no door opening.
- It is considered the use of polyurethane density 36 to 40 (kg/m³).

FLEX SERIES

Measures



Models:

Flex S
Flex S Max
Flex SR
Flex SR Max
Flex SRX
Flex SRX Max

Measures

Models:

Flex SRX Max Plus
Flex SRX Plus
Flex SRX EPS
eFlex City



Model:

Flex Ultra Max



Measures

Models:

Flex SRX

Flex SRX Max

Flex SRX Max Plus

Flex SRX Plus

Flex SRX EPS



Models:

Flex S

Flex S Max

eFlex City



Models:

Flex SR

Flex SR Max

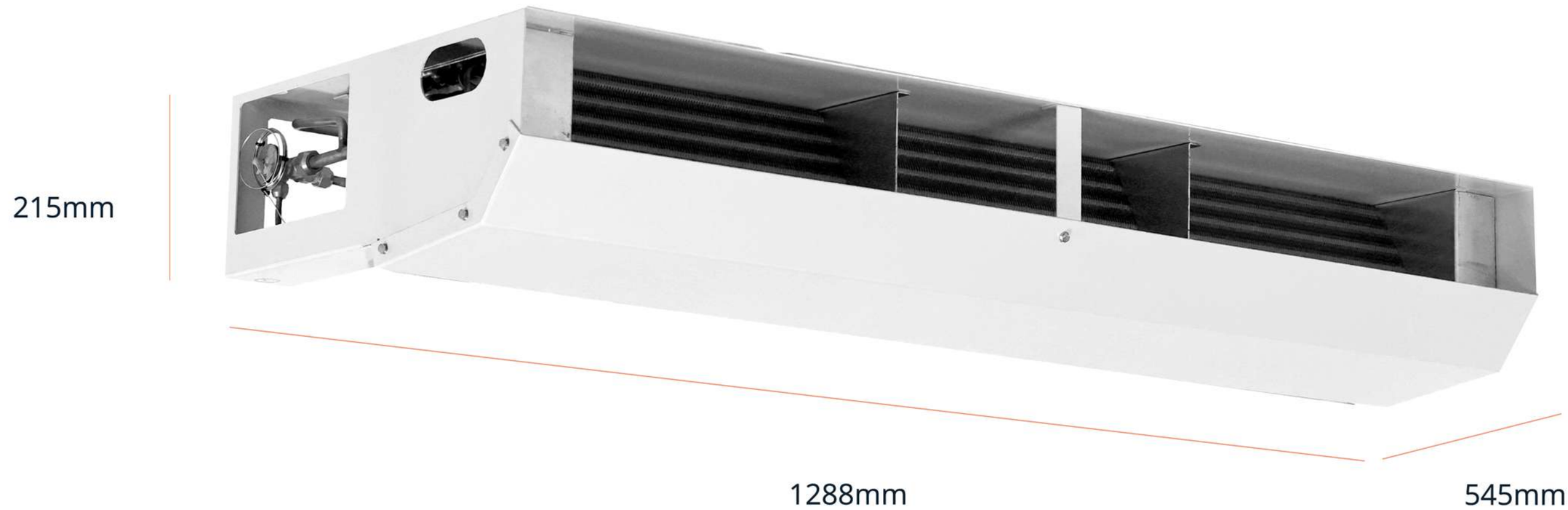


Measures

Model:

Flex Ultra Max

Constructed in aluminum



FRIGOKING

Frigo King is a Brazilian company built over the durability, quality, and reliability pillars to offer products with technology, low maintenance and truck longer in route. It is not only principles, but a true philosophy we call SUPER HEAVY DUTY, with work and engineering focused in whom works hard for the success.

www.FRIGOKING.com — +55 47 3055-4200

FLEX SERIES