

FK FRIGOKING

Versatility | Durability | Economy



SA1
SERIES

Ideal choice for the best low cost transport refrigeration for fresh or light frozen products.

Designed for medium-sized delivery trucks, the SA1 Line is best-in-class in efficiency and fuel economy.

**MORE BENEFIT,
LESS COST!**

Fuel saving, more time on the route, low maintenance and increased durability.

SA1
S E R I E S

**Versatility.
Durability.
Economy.**

Versatility and Operational Resistance.

SA1 Series is our pioneer and a resistance symbol. Design for small-medium sized delivery trucks, SA1 series is the best in class in efficiency and fuel economy. Its super heavy-duty components make SA1 the ideal option for best low cost-effective transport refrigeration for fresh or light frozen products.



Standard Efficiency

SA1 models may reach temperatures lower than 5oF (-15oC) demanding less energy, what means fuel saving and less effort for its components. 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.

NO MATTER WHAT YOUR ACTIVITY IS, WE HAVE AN IDEAL SA1 FOR YOU

Do your clients demand adaptation capacity? Our pioneer SA1 is resistance for small-medium sized delivery, as flexible as your business, for fresh or light frozen products.

EASY, FAST AND LOW COST INSTALLATION

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



THE LOW COST-EFFECTIVE FOR YOUR TRANSPORT

SA1 series may reach temperatures below -15°C (4°F) consuming less energy, what means fuel saving and less effort for its components.

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.

Versatility for many kind of products

REFRIGERATION SYSTEM

The refrigeration system uses a direct mounted compressor* and an electric mounted for stand by operation (only "plus" model).

*except for EPS models (for EV).

For EV with power outlet, SA1 EPS is available under request.

Large evaporator, aluminum built



Fluid design, more technology and strong structure

One-piece front cover with condenser protection screen

Same model from fresh to light frozen applications.

Large evaporator, aluminum built, similar that used in diesel units.

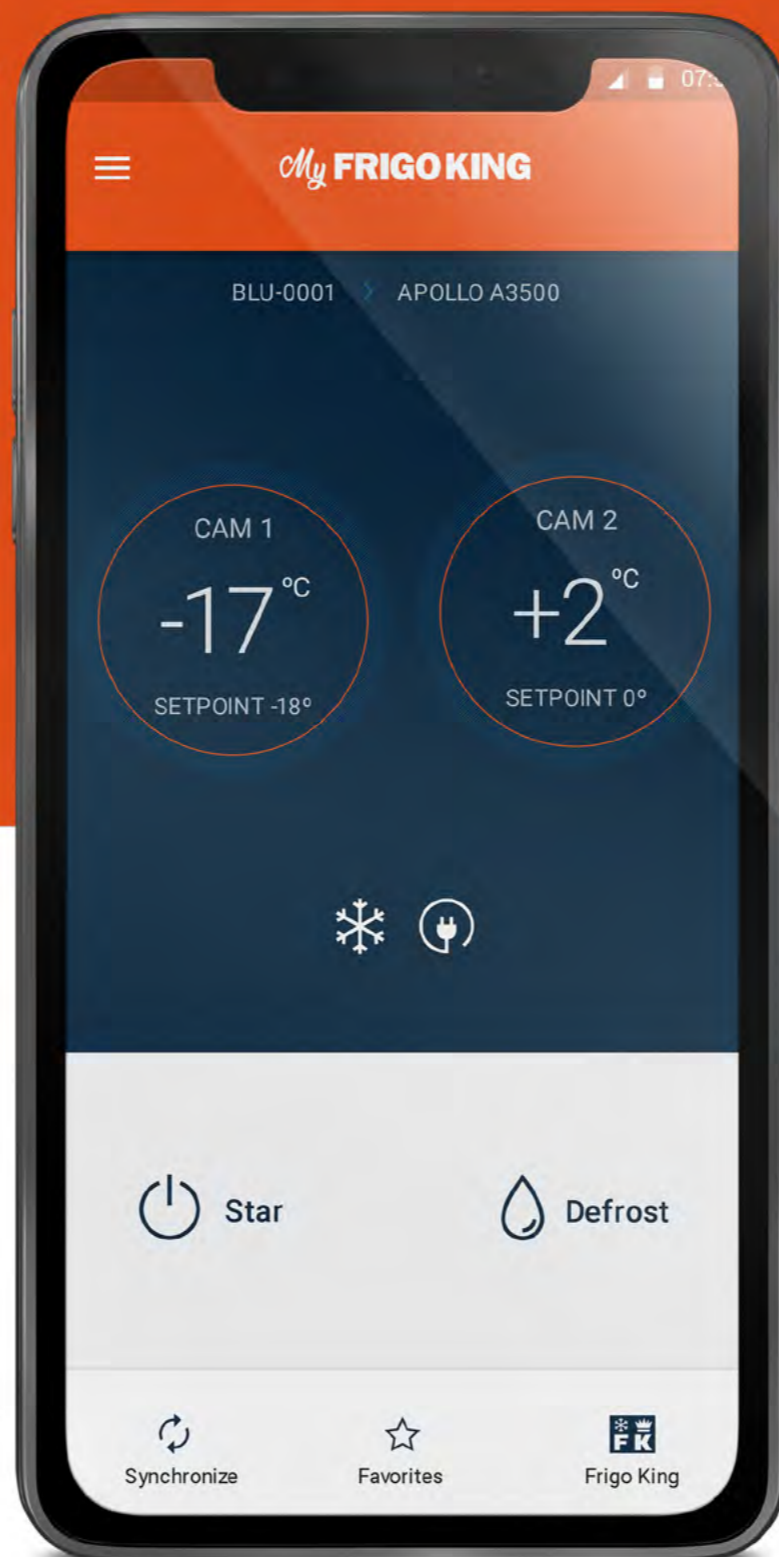


The control of your SA1 in the palm of your hand.

MY FRIGO KING is an application that allows equipment control, qualified information access and more, from the mobile phone or computer your Frigo King is in the palm of your hand.



Exclusive FRIGO KING Technology.

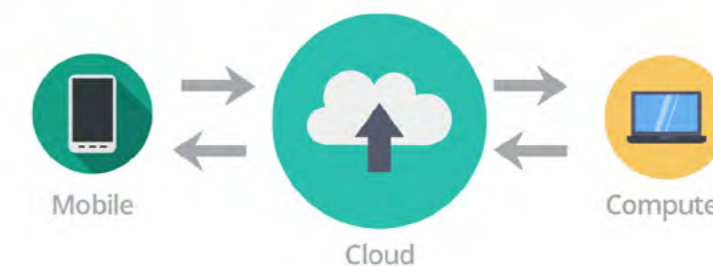


MAINTENANCE NETWORK IN THE PALM OF YOUR HAND

Did you need any support for your equipment? My Frigo King provides the nearest service center in the palm of your hand. The app uses the gps system and provides you with the best route and assistance data closest to you.

ACCESS AND CONTROL YOUR EQUIPMENT WHEREVER YOU ARE

In addition to the driver being able to operate daily via cell phone (Bluetooth connection), the fleet owner may monitor information (log), controls and changes some parameters in real time of the equipment from a computer from wherever he is.



REAL TIME ACCESS TO DATA

Your cargo needs to be safe. With the **MY FRIGO KING** app, all information during the journey is recorded and available by the app and may be easily shared. More agility for you and safe for the cargo.



FREE APPLICATION AND NO MONTHLY FEE

FRIGO KING, which was one of the pioneers in making the DATA LOGGER available as standard in its equipment, now brings the exclusive technology MEU FRIGO KING, an application that provides qualified information on the equipment in real time, on mobile phone or directly from your computer, without monthly fees and with transparency.

My FRIGO KING



Unlock all potential of your SA1 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.



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!





Specifications



EQUIPMENT	SA1		SA1 Plus	
REFRIGERATION CAPACITY - PERFORMANCE				
Return temperature	0°C	-20°C	0°C	-20°C
Watt (kW)	2,53	1,29	2,53	1,29
BTU/h	8626	4398	8626	4398
AIR FLOW - FUN SUPER HEAVY DUTY				
Condenser unit (m³/h)	2800 à 10mmca		2800 à 10mmca	
Evaporator Unit (m³/h)	1000 à 10mmca		1000 à 10mmca	
WEIGHT				
Condenser unit (Kg)	59		106,5	
Evaporator Unit (Kg)	37		37	
Installation Kit (Kg)	18,3			
COMPRESSOR SUPER HEAVY DUTY				
Model	FK7H15			
Compressor type	Piston compressor			
Maximum rotation (RPM)	6000			
Piston numbers	7			
Tension (Dc)	12/24			
Cylinder capacity (cm³)	154,7			
Carte capacity (ml)	400			
LUBRICANT				
Change (ml)*	200		400	
Oil type	POE			
DADOS ELÉTRICOS				
Current in 220V (A)	N/A		10,9	
Current in 380V (A)	N/A		6,8	
Current in 12Vcc (A)	35		35	
Current in 24Vcc(A)	15		15	
Potency (kW)	N/A		4,2	
Voltage / Phase / Frequency	N/A		220/3/60hz 380/3/60hz	
REFRIGERANT FLUID				
Refrigerant fluid HFC	R134a		R134a	
Change (Kg)	2,1		2,1	

*In coupled and electrical equipment: SA1 Plus, the oil charge is 200ml for each compressor.

DEFROST

By time

by time and temperature

Hot gas

With dripping time

With precooling



Choose the best SA1 for you

				3,5m	4,2m	5m	6,5m	7,5m
SA1 E SA1 PLUS SERIES	Model	Fluid	Isolation	12m ³	16m ³	20m ³	32m ³	40m ³
	SA1 e SA1 Plus	R134a	50mm	até -10°C	até -5°C	até 0°C	até +5°C	até +15°C
			75mm	até -15°C	até -12°C	até -10°C	até 0°C	até +10°C
			100mm	até -15°C	até -15°C	até -12°C	até -5°C	até +5°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).



Measures

Condenser Model:

SA1

SA1 PLUS



Evaporator Model:

SA1

SA PLUS





FRIGO KING

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.