SA1
SERIES

Versatility | Durability | Economy



FRIGOKING

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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.

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.



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 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.



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.

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.

Large evaporator, aluminum built

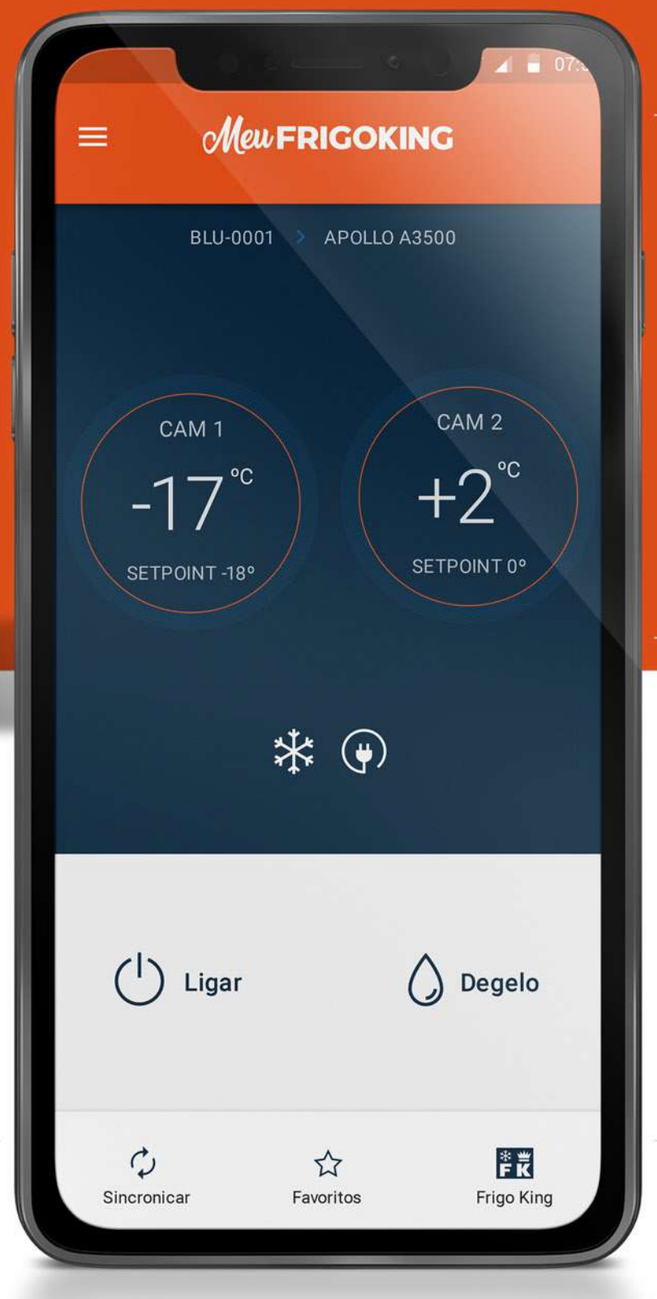


Control your SA1 in the palm of your hand.

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.



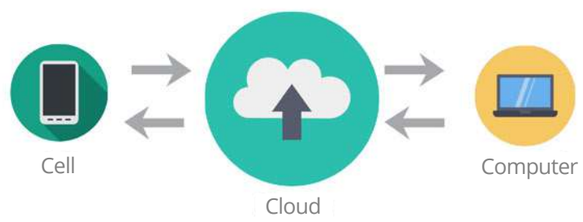
MAINTENANCE AND ACCESS TO THE ASSISTANCE NETWORK IN THE PALM OF YOUR HAND

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.

Meu FRIGOKING

Available on the App Store

Available on the Google Play

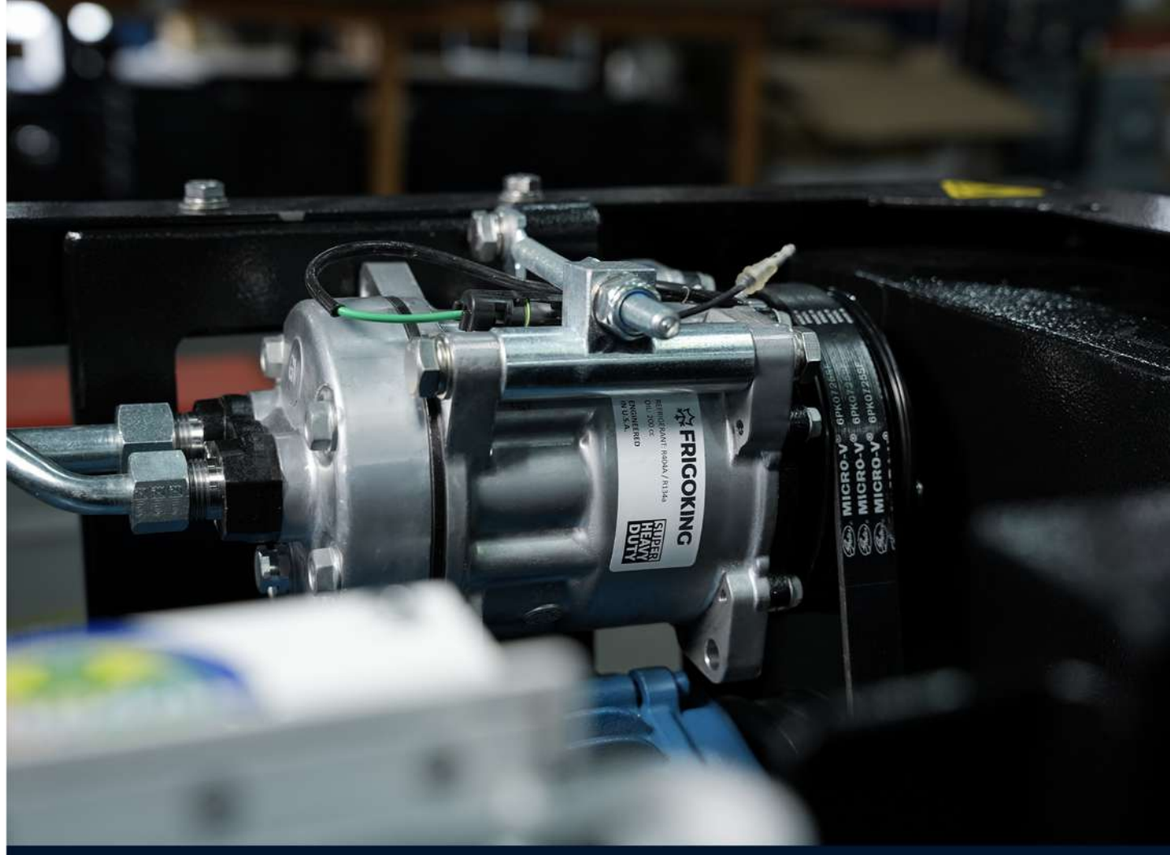
Unlock all potential of your SA1 with our Corporate Training Program

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.



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.



Specifications

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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	
WEIGTH				
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	With dripping time
	by time and temperature	With precooling
	Hot gas	



Choose the best SA1 for you

				3,5m	4,2m	5m	6,5m	7,5m
	Model	Fluid	Isolation	12m³	16m³	20m³	32m³	40m³
SA1 E SA1 PLUS SERIES	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).



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Measures

Condenser Model:

SA1

SA1 PLUS



Evaporator Model:

SA1

SA PLUS



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.

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