

Specifications & Options

Model	LX10F	
Cool air flow direction [Evaporator]	Bottom air discharge	
Cooling capacity [60Hz]	Inside temp. 2°C, Ambient temp. 38°C	12,000 W
	Inside temp. -18°C, Ambient temp. 38°C	6,500 W
Heating capacity [60Hz]	Inside temp. 16°C, Ambient temp. -20°C	5,100 W
Air flow rate [Evaporator] [60Hz]	High (ESP=12.7 mmH ₂ O)	86.8 m ³ /min
	Low (ESP= 3.2 mmH ₂ O)	43.4 m ³ /min
Fresh air intake (EPS=12.7 mmH ₂ O, 60Hz)	0, 5-250 m ³ /h	
Power supply (50/60Hz)	Standard unit (single power supply)	3-phase AC 380, 400, 415 V / AC 440, 460 V
Control circuit voltage	AC 24 V	
Max. power consumption	13.5 kW	
Refrigerant	Type	R134a
	Charged amount	5.9 kg
Inside temperature range	-30~30°C (-22~86°F)	
Inverter compressor	Type	Hermetically sealed scroll
	Lubricant oil Type	Daphne hermetic oil FCV68D
	Charged amount	2.4 L
Air cooled condenser type	Cross Finned Coil	
Evaporator type	Cross Finned Coil	

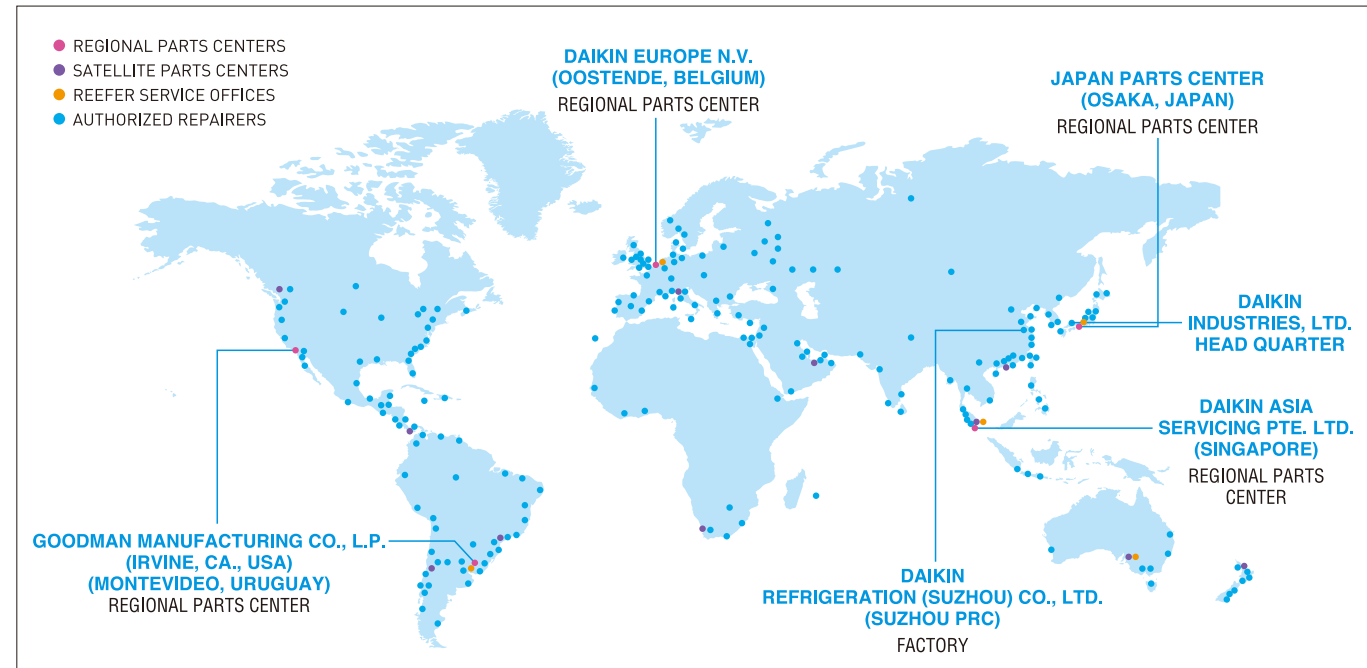
Fan motor	Condenser	Type	3 phase squirrel cage induction motor
		Output	670 W / 120 W x 1 [60Hz]
	Evaporator	Type	3 phase squirrel cage induction motor
Output		400 W / 60 W x 2 [60Hz]	
Controller	Type	DECOS Va	
	Automatic PTI	Full, Short, and Customized PTI	
Refrigerant control [Super heat control]		By electronic expansion valve	
Ambient temperature range		-30~50°C (-22~122°F)	
Defrost	Heat source	Hot gas	
	Initiation	Timer or on-demand and Manual	
	Termination	By temperature of evaporator outlet sensor or timer	
Protection devices		Protection thermostat (Fan Motor) Fuse, Earth leakage Circuit breaker, High pressure switch, Fusible safety plug Current transformer	
Dimensions	Height	2,234.5 mm	
	Width	2,025 mm	
	Depth	415 mm	
Weight (Dry)	Standard unit (single power source)	404 kg (*)	
Classification Society Approval		BV	
Options		Please inquire for details	

* Depending on the specifications of the product.

• This product complies with the following standards: T.I.R. (Customs Convention on the International Transport of Goods under cover of TIR Carnets), ISO1496/2; 1996 (container refrigeration standard), USDA (United States Department of Agriculture)

Dependable Service Network

With more than 300 service offices around the world Daikin can offer customers the support where and when they need it.



Organization:
Daikin Refrigeration
(Suzhou) Co., Ltd.
Scope of Registration:
Production of Marine
Container
Refrigeration Unit



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All Daikin Industries locations and subsidiaries in Japan have received environmental management system standard ISO 14001 certification.

Daikin Industries, Ltd.
Domestic Group
Certificate Number, EC99J2044

DAIKIN INDUSTRIES, LTD.

Head Office: Umeda Center Bldg., 2-4-12, Nakazaki-Nishi, Kita-ku, Osaka, 530-8323 Japan
Tokyo Office: JR Shinagawa East Bldg., 2-18-1, Konan, Minato-ku, Tokyo, 108-0075 Japan

<http://www.daikinreefer.com>

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DAIKIN

ZESTIA SERIES



ZESTIA

INVERTER

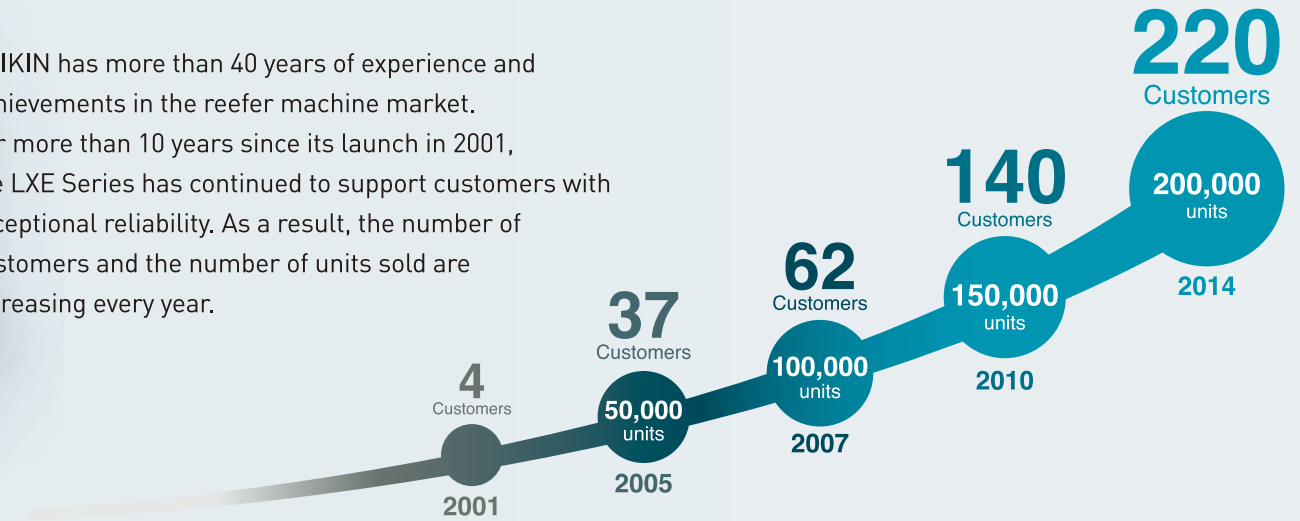
DAIKIN INDUSTRIES, LTD.

DAIKIN Inverter Technology, Premium Cargo Care and Ultimate Energy Efficiency.



Based on the technologies that established the high reliability and performance of the LXE Series in the container refrigeration market, ZESTIA is a new container refrigeration unit featuring a DC inverter compressor that enables further reductions in operating costs.

DAIKIN has more than 40 years of experience and achievements in the reefer machine market. For more than 10 years since its launch in 2001, the LXE Series has continued to support customers with exceptional reliability. As a result, the number of customers and the number of units sold are increasing every year.



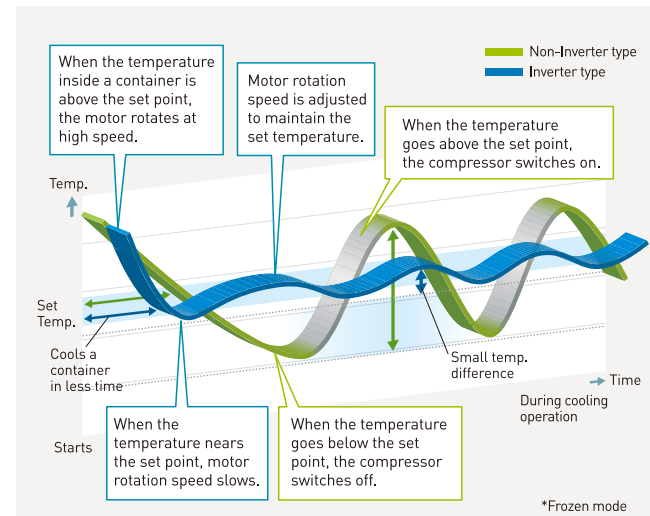
High Capacity and Energy-Saving Control with the New DC Inverter Compressor

Over 3 million Daikin DC inverter compressors have been supplied and are proving their performance, reliability and quality in the air conditioner market.

What is an Inverter ?

A container refrigeration unit's compressor is driven by a motor that rotates at a speed determined by the frequency of the electrical power supply. An inverter system controls the compressor rotation speed by changing the power supply frequency and provides precise temperature control with low power consumption.

Inverter/Non-inverter temperature control*



An inverter enables rapid cooling, maintains a stable set temperature, and has a significant energy-saving effect.

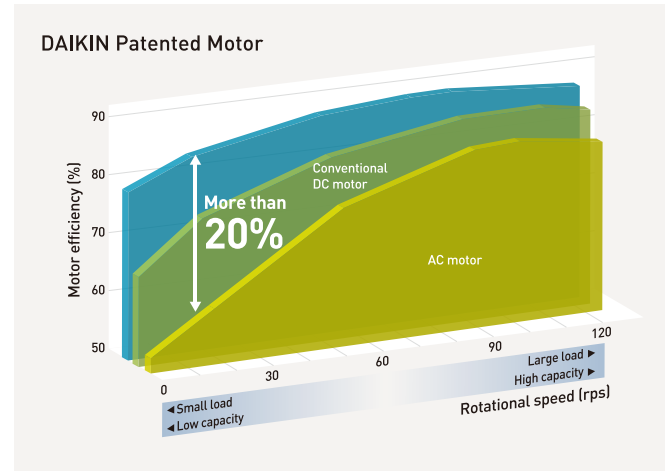
DAIKIN Patented Motor, the Key to High-Efficiency Operation

DAIKIN Patented Motor features powerful neodymium magnets that improve motor efficiency at all rotational speeds for energy-saving operation, particularly during the operation at low frequencies.



This was the first scroll compressor to be equipped with the DAIKIN Patented Motor in commercial-use air conditioners. The institute of Electrical Engineers of Japan presented the award in 1998.

Efficiency of DAIKIN Patented Motor*



* Data are based on studies conducted under controlled conditions at a Daikin laboratory using Daikin products.

Top Class Energy Saving



High-efficiency control with inverter technology

High energy saving is what you would expect from DAIKIN, the world's No.1 air conditioner maker. As well as reducing total operating costs, and reducing CO₂ emissions, the inverter technology also contributes to the prevention of global warming.

Two-speed condenser and evaporator fan motor for improved condensation performance

High energy-saving performance and fine, stable temperature control maintain the freshness and high quality of items during shipping.

User-friendly interfaces for easy operation and maintenance



Easy-to-Use Controller with Full-Dot Matrix LCD

Controller with LCD and backlight gives a clearer view and simplifies operations.



Features a large (5.7-inch), easy-to-see, backlight LCD

Current Display

After start-up, the display automatically switches to the current display. It gives basic information such as settings and operating conditions.



Menu Display

The full-dot Matrix LCD enables display of a wide range of information on a single screen, making it easier to move on to the next operation.



USB memory download and software upload



Eliminates the need to take a PC to the worksite and greatly reduces download time.



Easy, at-a-glance I/O board checking



LEDs make it easier to check failed parts and avoid misjudgement of problem parts.



Expand Your Choices with Daikin Active CA

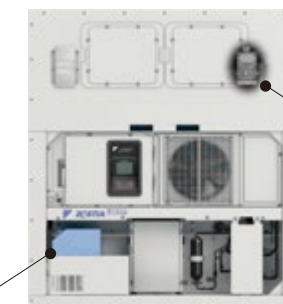
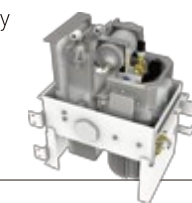
Daikin Active CA

Options:

The CA provision option is available

Air Pump Ass'y

- Air pump
- Air pump motor
- Control valves
- Absorption cylinder
- Print circuit board



Sensor Box

- O₂ sensor
- CO₂ sensor

