



**LXE** SERIES



**High Quality and Reliability  
All for Your Business Success**

Performance

Easy  
Maintenance

Reliability



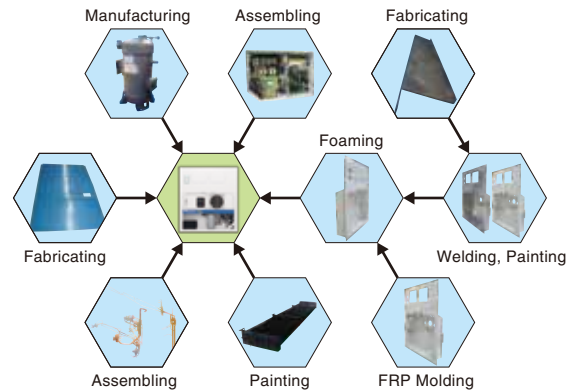
**DAIKIN INDUSTRIES, LTD.**

# High Reliability, Operating Performance and Efficiency Born from Completely In-House Technologies.

## In-house manufacturing

Taking advantage of our position as the world's No.1 air conditioner maker, DAIKIN is the only manufacturer that can perform everything from the design and development of refrigerants, compressors, temperature control technologies and other key components of container refrigeration unit, to processing and assembly, completely in-house.

By producing everything at our own plants, we are able to assure exceptionally high product quality.

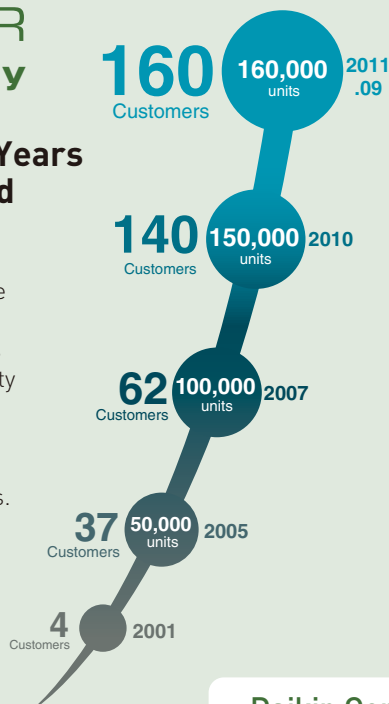


## Core Technologies Supporting High DAIKIN Reefer Performance

### REEFER Technology

#### More Than 40 Years Experience and Achievements

DAIKIN introduced the LXE Series to the industry over 10 years ago. The high reliability of these products is reflected in the ever-growing number of satisfied customers.

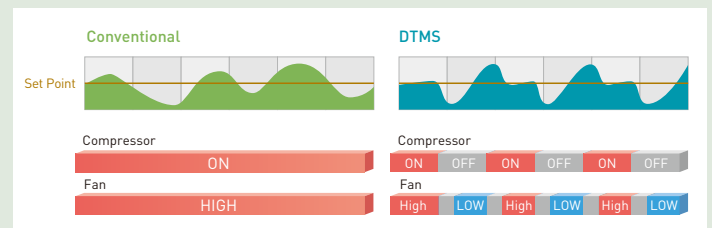


### ENERGY SAVING Technology



#### DTMS (Daikin Temperature Management System)

A unique temperature management system featuring outstanding control technology.



Reduce power consumption while maintaining accurate temperature control

### Daikin Core Technologies

### CHEMICAL Technology

#### World Major Supplier of Refrigerant

We also supply the refrigerants that determine refrigeration efficiency, all developed in-house.

### AIR-CONDITIONING Technology



#### Global No.1\* Air-Conditioning Manufacturer and Supplier of Scroll Compressors

DAIKIN is also the world's leading manufacturer of the scroll compressors at the heart of air conditioners. For 20 years, we have supplied over 1.2 million units annually. Providing unique, high efficiency control, they enable significant energy saving for low-cost operation.

\*2010 world sales leader in air conditioners



## DAIKIN: The Art of Continuous Improvement

– As the best seller of reefer machine with scroll compressor –

To provide all our customers with the very best services and product quality, DAIKIN continues to make every effort in the research and development of software and hardware.



## Outstanding Technologies Enabling Low-Cost Operation

### Powerful Cooling Capacity

Sufficient cooling capacity for both non pre-cooled cargo and deep frozen cargo ensures reliable transportation.

### Sensitive Temperature Control

To protect fresh products from freeze damage, LXE Series units provide uniform supply air temperature with suction modulation and discharge gas control. This precise temperature control protects fresh products from freeze damage and moisture loss.



## DAIKIN's Unique Cutting-Edge Technologies

### Hot Gas Defrost & Dehumidification

Daikin's hot gas system provides faster defrosting and with less heat escaping into the cargo area, improving conditions for the cargo. For dehumidification the DAIKIN LXE hot gas system provides a fully controllable and powerful product ensuring excellent conditions for your cargo.

### Auto Pump Down

This unique system automatically isolates the refrigerant for safe replacement of parts. The procedure is easy and requires no special skills as well as being convenient, which is also an environment-friendly feature.



Pump down is completed with easy operation

# Specifications & Options

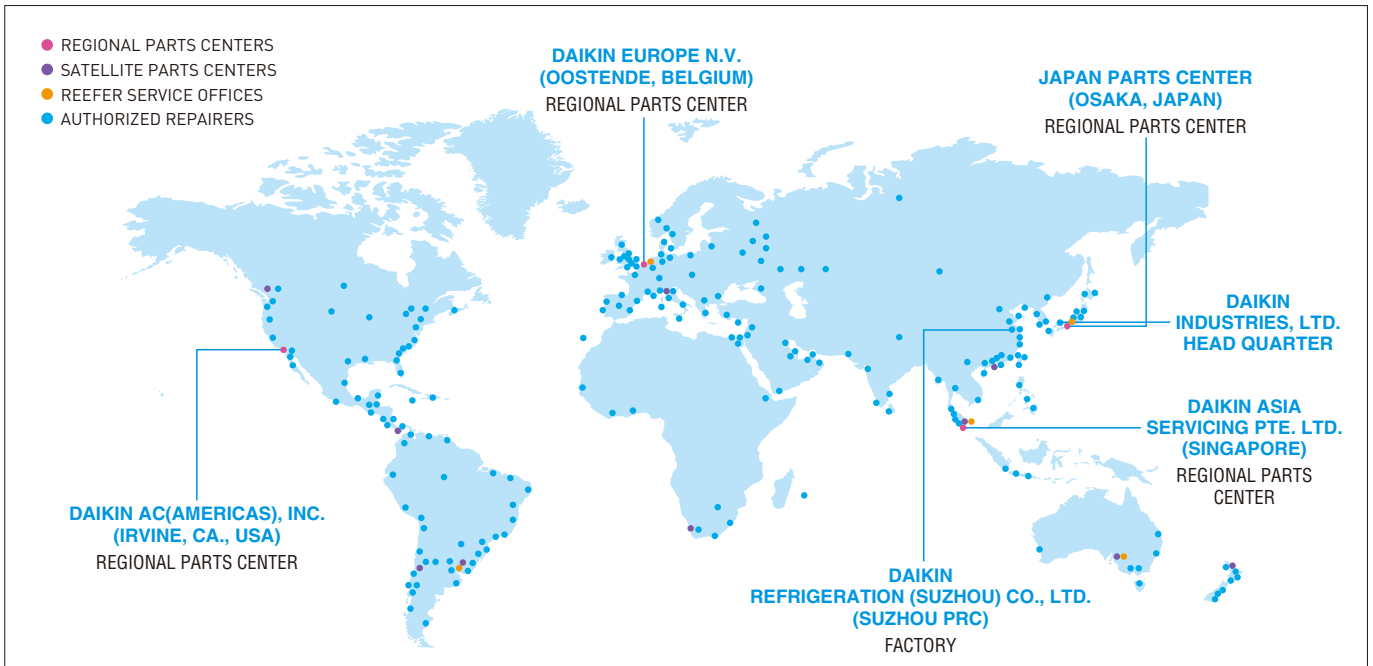
Model	LXE10E	
Cool air flow direction (Evaporator)	Bottom air discharge	
Cooling capacity (60Hz)	Inside temp. 2°C, Ambient temp. 38°C	10,000W
	Inside temp. -18°C, Ambient temp. 38°C	5,900W
Heating capacity (60Hz)	Inside temp. 16°C, Ambient temp. -20°C	5,100W
Air flow rate (Evaporator)[50/60Hz]	High [ESP=12.7mmH <sub>2</sub> O]	96.3m <sup>3</sup> /min
	Low [ESP=3.2mmH <sub>2</sub> O]	48.2m <sup>3</sup> /min
Fresh air intake (EPS=12.7mmH <sub>2</sub> O, 60Hz)	0~250m <sup>3</sup> /h	
Power supply (50/60Hz)	Standard unit (single power supply)	3-phase 380,400,415VAC/440,460VAC
Control circuit voltage	13VAC, 24VAC	
Max. power consumption	13.5kW	
Refrigerant	Type	R134a
	Charged amount	4.7kg
Inside temperature range	-30~30°C [-22~86°F]	
Compressor	Type	Hermetic Scroll Compressor
	Lubricant oil Type	Daphne hermetic oil FCV46D
	Charged amount	3.4L
Air cooled condenser type	Cross Finned Coil	
Air cooled evaporator type	Cross Finned Coil	

Fan motor	Condenser	Type	Propeller
		Output	670W
	Evaporator	Type	Propeller
		Output	400W/60W x 2
Controller	Type	DECOS III f	
	Automatic PTI	Full, Short, and Customized PTI	
Refrigerant control	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	
Protective devices	Protection thermostat (Compressor, Fan, Motor)		
	Fuse, Circuit breaker,		
	High pressure switch, Fusible safety plug		
Dimensions	Height	2,234.5mm	
	Width	2,025mm	
	Depth	415mm	
Weight	Standard unit (single power source)	433kg (*)	
Classification Society Approval	BV		
Options	Please inquire for details		

\* Differs 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

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The specifications, designs, and information in this brochure are subject to change without notice.