

DB-AB Series

Heating Plate

Product Overview

The DB Series Heating plates feature a housing constructed from premium cold-rolled steel, formed by stamping and finished with a surface coating process. This design significantly enhances heating speed and temperature uniformity while preventing direct exposure to open flames. The plates offer the advantages of being flameless, fast-heating, evenly heated, safe, and reliable. Their appearance, aligned with modern aesthetics, is both elegant and visually appealing.

Product Features

- > Features a cold-rolled steel housing with a high-quality 201 stainless steel heating plate, ensuring robustness and efficient heat conduction.
- > Equipped with PID temperature control and an LCD display for accurate and stable thermal management.
- > Utilizes a fully enclosed heating mechanism with an electronic lock and self-tuning function for enhanced safety and performance.
- > Offers timer (with multiple modes: no timing, timed start, constant temperature timing), over-temperature alarm, automatic error correction, and power-off memory features.



Technical Parameters

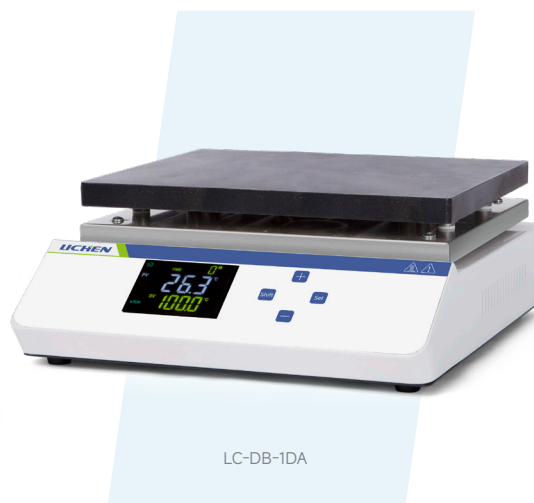
Model	LC-DB-XAB	LC-DB-1AB	LC-DB-2AB	LC-DB-3AB
Power Supply	AC220V/50Hz	AC220V/50Hz	AC220V/50Hz	AC220V/50Hz
Power	1.5Kw	1.8Kw	2.5Kw	3.6Kw
Display Mode	LCD display	LCD display	LCD display	LCD display
Temp. Range	RT+50-400°C	RT+50-400°C	RT+50-400°C	RT+50-400°C
Temp. Accuracy	±1°C	±1°C	±1°C	±1°C
Heating Plate Dimensions	300×200mm	400×280	450×350	600×400
Surface Material	201 Stainless Steel	201 Stainless Steel	201 Stainless Steel	201 Stainless Steel
Plate Thickness	8mm	8mm	8mm	8mm
Max.Load Capacity	50Kg	50Kg	50Kg	50Kg
Net Weight	9Kg	17Kg	23Kg	35Kg
Product Dimensions	300×200×240mm	400×280×240mm	450×350×240mm	600×400×240mm

DB-DA Series

Heating Plate

Product Overview

The DB-DA Series Heating Plate features a housing constructed from high-quality cold-rolled steel through a stamping process, complemented by a surface coating treatment. The heating surface is integrally molded, significantly improving heating speed and temperature uniformity. It is suitable for chemical analysis, physical measurement, heat treatment, baking, drying, and other temperature tests in laboratories across industrial and mining enterprises, healthcare, environmental protection, biochemical research, scientific institutions, and other units.



LC-DB-1DA

Product Features

- > Utilizes PID temperature control technology for accurate and stable thermal management.
- > Equipped with an LCD screen for intuitive reading of parameters.
- > The multi-functional controller includes a timer, over-temperature alarm, and automatic error correction.
- > The heating plate is manufactured using integral die-casting technology, ensuring outstanding temperature uniformity.

Technical Parameters

Model	LC-DB-XDA	LC-DB-1DA	LC-DB-2DA	LC-DB-3DA
Power Supply	AC220V 50Hz	AC220V 50Hz	AC220V 50Hz	AC220V 50Hz
Power	1200W	1500W	2000W	3000W
Display Mode	LCD display	LCD display	LCD display	LCD display
Temp. Range	RT+10°C ~350°C	RT+10°C ~350°C	RT+10°C ~300°C	RT+10°C ~300°C
Temp. Accuracy	±1°C	±1°C	±1°C	±1°C
Temperature Uniformity	±5%	±5%	±6%	±6%
Heating Plate Dimensions	200*140mm	270*220mm	400*300mm	500*400mm
Plate Thickness	15mm	18mm	18mm	18mm
Surface Material	Cast Aluminum	Cast Aluminum	Cast Aluminum	Cast Aluminum
Max.Load Capacity	5Kg	5Kg	10Kg	10Kg
Net Weight	2.5Kg	4.9Kg	13.5Kg	18Kg
Product Dimensions	220×240×115mm	290×320×115mm	420×400×160mm	520×500×160mm

EH45 Series

Heating Plate (Stainless Steel)

Product Overview

The EH45 Series Heating Plate (Stainless Steel) feature an integrally molded steel body with powder-coated surface, delivering rapid heating and uniform temperature distribution without open flames. Ideal for safe heating, drying, and temperature tests in industrial, medical, environmental, and research laboratories.

Product Features

- > LCD display with intuitive touch controls.
- > Multi-function meter: timer, over-temperature alarm, auto-tuning.
- > PID temperature control for high accuracy.
- > Parameter memory after power cycling.
- > Optimized cooling for extended service life.
- > Isostatic graphite surface: fast, uniform heating, corrosion-resistant.
- > Ergonomic enclosed design with 304 stainless steel insulation, safe low surface temperature.



Technical Parameters			
Model	LC-EH45-1	LC-EH45-2	LC-EH45-3
Power Supply	AC220V 50Hz	AC220V 50Hz	AC220V 50Hz
Power	2.5Kw	3.5Kw	4.5Kw
Display Mode	LCD display	LCD display	LCD display
Heating Element	Electric heating element	Electric heating element	Electric heating element
Temp. Range	RT+20°C -450°C	RT+20°C -450°C	RT+20°C -450°C
Timing Range	0~9999min	0~9999min	0~9999min
Heating Plate Dimensions	400×280mm	450×350mm	600×400mm
Plate Thickness	30mm	30mm	30mm
Surface Material	Isostatic graphite	Isostatic graphite	Isostatic graphite
Max.Load Capacity	5Kg	10Kg	20Kg
Net Weight	15.1Kg	20Kg	31.7Kg
Product Dimensions	375*416*198mm	445*466*198mm	495*616*198mm

IEH45 Series

Heating Plate (Low-Dust Graphite)



Product Overview

The IEH Series Heating Plate (Low-Dust Graphite) features a separate control unit and heating main body connected via an aviation plug for remote operation. The PID system precisely adjusts heating power to ensure uniform surface temperature. With a 304 stainless steel welded housing and molded heating surface, it provides rapid heating, flame-free operation, and safe performance.



Product Features

- > PID temperature control with timer and over-temperature alarm.
- > LCD touchscreen for intuitive operation.
- > Isostatic graphite surface: fast, uniform heating, corrosion-resistant.
- > Stainless steel + aluminum silicate insulation protects internal components.
- > Parameter memory function after power loss.
- > Separate control unit with aviation plug for remote operation.
- > 304 stainless steel housing with nano-coating, durable and corrosion-resistant.



Technical Parameters

Model	LCA-IEH45-1	LCA-IEH45-2	LCA-IEH45-3
Power Supply	AC220V 50Hz	AC220V 50Hz	AC220V 50Hz
Power	2500W	3500W	4500W
Circuit Breaker Rating	/	25A	32A
Display Mode	LCD	LCD	LCD
Temp. Range	RT+20°C -450°C	RT+20°C -450°C	RT+20°C -450°C
Temp. Accuracy	± (2%-5%)	± (2%-5%)	± (2%-5%)
Controller Resolution (°C)	0.1°C	0.1°C	0.1°C
Temp.Increment/Decrement (°C)	0.1°C	0.1°C	0.1°C
Timing Range	0-9999min	0-9999min	0-9999min
Heating Plate Dimensions	400*280mm	450*350mm	600*400mm
Plate Thickness	30mm	30mm	30mm
Surface Material	Graphite	Graphite	Graphite
Max.Load Capacity	5kg	10kg	20kg
Net Weight	13.8kg	17.5kg	25.9kg
Product Dimensions	400×280×160 mm	450×350×160 mm	600×400×160 mm

IEH50 Series

Heating Plate (Glass Ceramic)



Product Overview

IEH50 Series Heating Plate (Glass Ceramic) features a separate control unit connected via an aviation plug for remote operation. Mica heating with PID control ensures precise and uniform surface temperature. The 304 stainless steel welded housing and integrated heating surface provide rapid, safe, and flameless heating.



Product Features

- > LCD touchscreen for intuitive operation.
- > PID temperature control with timer and over-temperature alarm.
- > Glass ceramic surface: rapid heating, chemical resistance.
- > Stainless steel + aluminum silicate insulation protects internal components.
- > Parameter memory function after power loss.
- > Separate control unit with aviation plug for remote operation.
- > 304 stainless steel housing with nano-coating, durable and corrosion-resistant.

Technical Parameters			
Model	LCA-IEH50-1	LCA-IEH50-2	LCA-IEH50-3
Power Supply	AC220V 50Hz	AC220V 50Hz	AC220V 50Hz
Power	2500W	3500W	4500W
Circuit Breaker Rating	/	25A	32A
Display Mode	LCD	LCD	LCD
Temp. Range	RT+20°C -500°C	RT+20°C -500°C	RT+20°C -460°C
Temp. Accuracy	±7%	±7%	±7%
Temp. Resolution	0.1°C	0.1°C	0.1°C
Temp.Increment/Decrement (°C)	0.1°C	0.1°C	0.1°C
Timing Range	0-9999min	0-9999min	0-9999min
Heating Plate Dimensions	400*280mm	450*350mm	600*400mm
Plate Thickness	6mm	6mm	6mm
Surface Material	Glass Ceramic	Glass Ceramic	Glass Ceramic
Max.Load Capacity	5kg	5kg	5kg
Net Weight	11kg	13.8kg	18kg
Product Dimensions	400×280×134 mm	450×350×134 mm	600×400×134 mm