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Reactor / Regenerative Brake / Braking Chopper / Power Braking Resistor/  
Load test for generator, electric vehicle driver, motor controller, charging  
station etc.

## Stainless Steel Resistor Box

Whole product portfolios of power braking solution can be offered.



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GUANGDONG SIKES Electric Co.,Ltd.

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18 YEARS OF  
SUCCESS

# Stainless Steel Resistor Box 不锈钢电阻箱

不锈钢电阻箱  
Stainless Steel Resistor Box



## Product Profile 产品简述

The STB series resistor box are assembled with Stainless Steel resistors and can be suitable for rugged applications with very high power rating. This resistor box is designed for heavy duty such as elevators, cranes or for braking of big electrical motors. This type has capability to withstand fullload for a long time without any damage. Furthermore the power limits indicated ensure that the temperature doesn't damage other components nearby. It also ensures stability and reliability.

STB系列电阻箱采用不锈钢电阻器组装，适用于额定功率非常高的应用。该电阻箱设计用于大功率制动，如电梯，起重机或大型电动机的制动。这种类型能够长时间承受满载而不会造成任何损坏。此外，指示的功率限制确保温度不会损坏附近的其他组件。它还确保稳定性和可靠性。

## Key Features 主要特点

Long term high stability and reliability	长期运行高稳定性和可靠性
Small thermal drift	小热漂移
High power ratings(up to 32KW) and large current value application	高额定功率（高达32KW）和大电流应用
Terminals suitable for soldering or bolt connection	端子适用于焊接或螺栓连接

## Application 应用

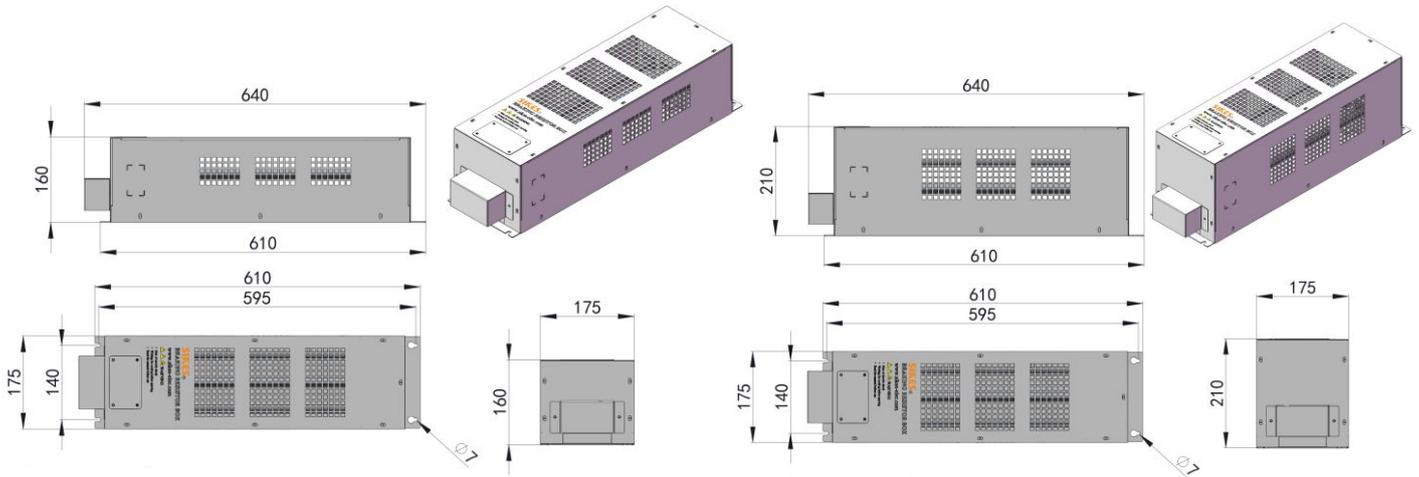
Inverter braking equipment or motors	变频器制动设备或电机
Testing load	测试负载
Crane systems, various steel mill applications	起重机系统，各种钢厂应用
Elevator, lift systems, available through distribution	电梯，电梯系统，起重机塔吊等

## Characteristics of this series 本系列的特点

Rated power	1KW to 32KW, based on 25°C free air rating
Resistance values	from 1Ω to as high as 10 KΩ (others on request)
Resistors	304 Stainless Steel resistors
Enclosure material	Galvanized sheet
Rated Temperature Rise	550°C
Insulation Resistance	100MΩ (500V 25°C 75% relative humidity)
Dielectric strength	2.5KV 50Hz 1min(25°C 75% relative humidity)
IP protection	IP00
Temperature Coefficients	25,50,100 and 400ppm/°C or as required

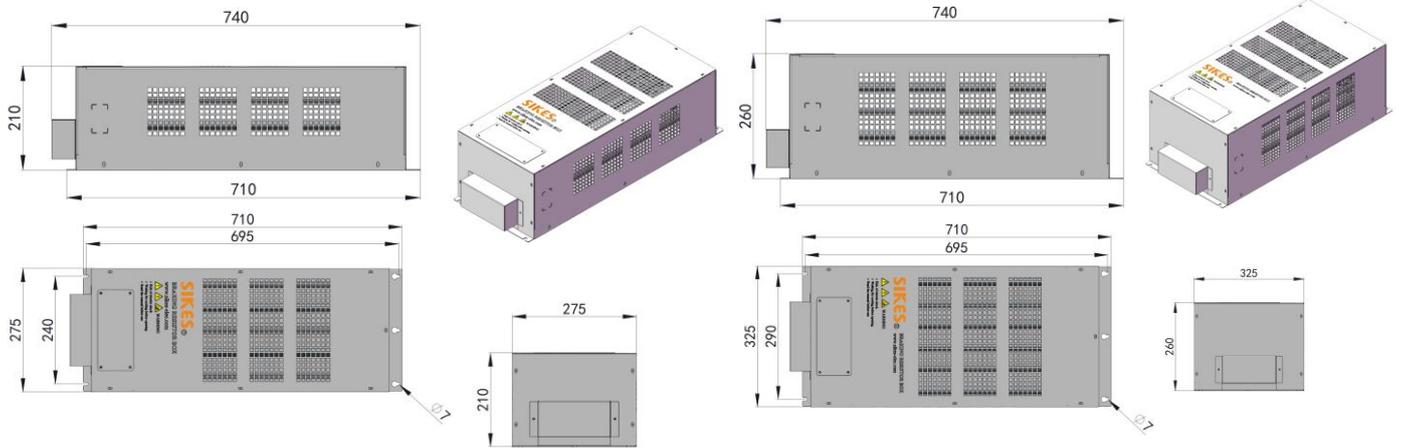
额定功率	1KW至32KW
电阻值	从1Ω到高达10KΩ（其他要求）
电阻器	304不锈钢电阻器
机箱材质	镀锌板
额定温升	550°C
绝缘电阻	100MΩ（500V 25°C，75%相对湿度）
介电强度	2.5KV 50Hz 1min（25°C 75%相对湿度）
IP保护	IP00
温度系数	25,50,100和400ppm/°C或根据需要

## Product Size 产品尺寸图



Picture A

Picture B



Picture C

Picture D

## Selection Table 选型表

Type 规格	Rated Power 功率(Kw)	IP Class Ip等级	Weight 重量(Kg±10%)	Cable 建议配线 (mm)	Size(MM) 机箱尺寸	Picture NO. 图号
SKS-STB-1KW/XR	1	IP00	5.3	4	175*160*640	A
SKS-STB-2KW/XR	2		6.5	4		
SKS-STB-3KW/XR	3		7.2	6		
SKS-STB-4KW/XR	4		7.2	6		
SKS-STB-5KW/XR	5		9.1	6		
SKS-STB-6KW/XR	6		9.1	6		
SKS-STB-7KW/XR	7		9.8	10	175*210*640	B
SKS-STB-8KW/XR	8		10.4	10		
SKS-STB-9KW/XR	9		10.4	10		
SKS-STB-10KW/XR	10		19	10		
SKS-STB-12KW/XR	12		20	10	275*210*740	C
SKS-STB-15KW/XR	15		20.7	10		
SKS-STB-16KW/XR	16		20.7	10		
SKS-STB-18KW/XR	18		22	10		
SKS-STB-20KW/XR	20		23.7	16		
SKS-STB-25KW/XR	25		25.4	16		
SKS-STB-27KW/XR	27	28	16	325*260*740	D	
SKS-STB-30KW/XR	30	29	16			
SKS-STB-32KW/XR	32	30	16			
SKS-STB-35KW/XR	35	31	16			