ARAKAWA

電力試験シリーズ





PROGRAMMABLE AC LOAD BANK

ALB-RH Series

3–1500 kW





High-Precision & High-Density
Load Testing Solutions



GENERATOR TESTING

POWER DISTRIBUTION TESTING

INDUSTRIAL LOAD TESTING

RENEWABLE ENERGY TESTING

DATA CENTER & UPS TESTING

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PRODUCT LINEUP OVERVIEW

Complete Range of Programmable AC Load Bank
for Various Power Testing Applications






HIGH-PRECISION SERIES
3 – 30 kW

High-Precision & Flexible Testing
for Various AC Power Sources

AC80 – 240V



VOLTAGE RANGE
AC80 – 240V

CURRENT RANGE
27 – 270 Arms
(Single Unit)

POWER RANGE
3 – 30 kW

MODEL	RATED POWER	VOLTAGE RANGE	CURRENT RANGE
ALB-RH-3	3 kW	AC80 – 240V	27 / 13 A
ALB-RH-6	6 kW	AC80 – 240V	54 / 27 A
ALB-RH-12	12 kW	AC80 – 240V	108 / 54 A
ALB-RH-18	18 kW	AC80 – 240V	162 / 81 A
ALB-RH-24	24 kW	AC80 – 240V	216 / 108 A
ALB-RH-30	30 kW	AC80 – 240V	270 / 135 A

HIGH-DENSITY SERIES
100 – 200 kW

Compact & High-Power Design
for Industrial Power Testing

3 Phase AC0 – 400V



VOLTAGE RANGE
3 Phase AC0 – 400V

CURRENT RANGE
144 – 288 Arms

POWER RANGE
100 – 200 kW

MODEL	RATED POWER	VOLTAGE RANGE	CURRENT RANGE
ALB-RH-100	100 kW	3 Phase AC0 – 400V	144 A
ALB-RH-200	200 kW	3 Phase AC0 – 400V	288 A

HIGH-DENSITY SERIES
500 – 1500 kW

High-Capacity & Reliable Testing
for Demanding Applications

3 Phase AC0 – 400V



VOLTAGE RANGE
3 Phase AC0 – 400V

CURRENT RANGE
721 – 2165 Arms

POWER RANGE
500 – 1500 kW

MODEL	RATED POWER	VOLTAGE RANGE	CURRENT RANGE
ALB-RH-500	500 kW	3 Phase AC0 – 400V	721 A
ALB-RH-1000	1000 kW	3 Phase AC0 – 400V	1443 A
ALB-RH-1500	1500 kW	3 Phase AC0 – 400V	2165 A

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PRODUCT OVERVIEW

ALB-RH Programmable AC Load Bank









ARAKAWA ALB-RH Series provides programmable AC load bank solutions from 3 kW to 1500 kW, designed for precision load testing and high-density industrial load simulation. With advanced control technology, flexible configuration and reliable performance, ALB-RH series is ideal for testing various power supply products in diverse applications.

High-Precision Series
3 – 30 kW

Precise and flexible load testing for various power supply products.



High-Density Series
100 – 200 kW

Compact design with high power density for indoor testing.



High-Density Series
500 – 1500 kW

High-power, high-density load solution for both indoor and outdoor use.



KEY HIGHLIGHTS

Programmable Load Testing
Accurate and flexible load simulation.

Wide Voltage Range (3–30 kW Series)
AC 80–240Vrms (Single Unit).

Multiple Load Modes (3–30 kW Series)
CR / CC / CP Mode.

CR Mode (100–1500 kW Series)
Constant Resistance load mode for high power.

Communication Interface
RS485 (standard), with optional Ethernet.

Remote APP Control
Support phone remote control (Android).

Comprehensive Protection
OCP / OVP / OTP and reliable operation.

Real-Time Data Recording
Real-time data recording and fault query.

Multi-Unit Paralleling
Support multi-unit paralleling for higher power demand.

TYPICAL APPLICATIONS

GENERATOR TESTING

POWER SUPPLY TESTING

R&D AND DEVELOPMENT

PRODUCTION TESTING

COMMISSIONING AND FIELD TESTING

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ARAKAWA
電力試験シリーズ

ALB-RH
3 - 30 kW

High-Precision Programmable AC Load Bank









ARAKAWA ALB-RH is a high-precision programmable AC load bank designed for accurate load testing of various power supply products. With wide voltage and current ranges, flexible operating modes, and advanced protection features, it provides a reliable and efficient solution for R&D, production testing, and quality verification.



KEY FEATURES

Wide Input Voltage Range
AC80 – 240V

Wide Power Range
3 – 30 kW

Wide Current Range
27/13 A – 270/135 A
(110V / 220V)

Multiple Load Modes
CC / CR / CP

Wide Frequency Range
40 – 400 Hz

Communication Interface
RS485 (Standard)
Ethernet (Optional)

Remote APP Control
Support phone remote control (Android)

Comprehensive Protection
OCP / OVP / OTP

Multi-Unit Paralleling
Support multi-unit paralleling for higher power demand.

MODEL RANGE

Model	Input Voltage	Current Range (110V / 220V)	Power
ALB-RH-3	AC80 – 240V	27 A / 13 A	3 kW
ALB-RH-6	AC80 – 240V	54 A / 27 A	6 kW
ALB-RH-12	AC80 – 240V	108 A / 54 A	12 kW
ALB-RH-18	AC80 – 240V	162 A / 81 A	18 kW
ALB-RH-24	AC80 – 240V	216 A / 108 A	24 kW
ALB-RH-30	AC80 – 240V	270 A / 135 A	30 kW

TYPICAL APPLICATIONS

POWER SUPPLY TESTING

R&D AND DEVELOPMENT

PRODUCTION TESTING

BENCH TESTING

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ALB-RH 3-30 kW



Detailed Specifications

ARAKAWA ALB-RH is a high-precision programmable AC load bank designed for accurate load testing of various power supply products. The following page provides detailed technical specifications for the ALB-RH 3–30 kW series.

SPECIFICATIONS

Model	Input Voltage	Current Range (110V / 220V)	Rated Power
ALB-RH-3	AC80 – 240V	27 A / 13 A	3 kW
ALB-RH-6	AC80 – 240V	54 A / 27 A	6 kW
ALB-RH-12	AC80 – 240V	108 A / 54 A	12 kW
ALB-RH-18	AC80 – 240V	162 A / 81 A	18 kW
ALB-RH-24	AC80 – 240V	216 A / 108 A	24 kW
ALB-RH-30	AC80 – 240V	270 A / 135 A	30 kW

TECHNICAL SUMMARY

Frequency
40 – 400 Hz

Load Modes
CC / CR / CP

Communication
RS485 (Standard)
Ethernet (Optional)

Protection
OCP / OVP / OTP

APP Control
Supported (Android)

Multi-Unit Paralleling
Supported for higher power demand

SCREEN INTERFACE



Main Control Interface



Data Record Interface



Alarm / Status Interface

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ALB-RH
100-200 kW
High-Density Programmable AC Load Bank









ARAKAWA ALB-RH 100–200 kW Series is designed for high-density programmable AC load testing in compact industrial environments. With advanced control technology and reliable performance, it is ideal for power supply verification, production test, and commissioning support in various applications.

KEY FEATURES

Input Voltage Range
3 Phase AC0–400V

Power Range
100 – 200 kW

Load Mode
CR Mode

Real-Time Data Recording and Fault Query
Record test data and fault information in real time.

Comprehensive Protection
OCP / OVP / OTP

Communication Interface
RS485 (Standard), Ethernet (Optional)

Phone Remote APP Control
Support phone remote control (Android).

ON/OFF Stress Testing
Support ON/OFF stress testing.

Multi-Unit Paralleling
Support multi-unit paralleling for higher power demand.

MODEL RANGE

Model	Input Voltage	Current	Power
ALB-RH-100	3 Phase AC0–400V	144 A	100 kW
ALB-RH-200	3 Phase AC0–400V	288 A	200 kW

TYPICAL APPLICATIONS

GENERATOR TESTING | POWER DISTRIBUTION TESTING | PRODUCTION TESTING | COMMISSIONING | INDUSTRIAL LOAD TESTING

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ARAKAWA
電力試験シリーズ

ALB-RH 100-200 kW



Detailed Specifications

ARAKAWA ALB-RH 100–200 kW series provides compact high-density programmable AC load bank solutions for industrial power testing. This page presents the main technical specifications and operating highlights for the 100 kW and 200 kW models.

SPECIFICATION TABLE

Model	Input Voltage	Current	Rated Power	Dimension (W×D×H mm)	Weight (kg)
ALB-RH-100	3 Phase AC0–400V	144 A	100 kW	430×680×760	100
ALB-RH-200	3 Phase AC0–400V	288 A	200 kW	520×920×760	140

TECHNICAL SUMMARY

Frequency
40–60 Hz

Load Mode
CR Mode

Control Methods
Local Touch Screen Control
Ethernet Remote Control
Phone APP (Android)

Control Power
3 Phase AC380V / 50 Hz

Wiring Method
Copper busbar connection

Air Outlet Mode
Air intake on the right,
Air outlet on the left

Protection
OCP / OVP / OTP

Communication
RS485 standard,
Ethernet optional

SCREEN INTERFACE



Main Control Interface



System Interface



Alarm / Status Interface

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ALB-RH
500–1500 kW

High-Density Programmable AC Load Bank



ARAKAWA ALB-RH 500–1500 kW Series is designed for high-capacity programmable AC load testing in demanding industrial environments. With high load density, durable construction, and reliable control functions, it is ideal for generator verification, production testing, and large-scale commissioning support.

KEY FEATURES

Input Voltage Range
3 Phase AC0 – 400V

Power Range
500 – 1500 kW

Load Mode
CR Mode

High-Density Outdoor/Indoor Design

Real-Time Data Recording and Fault Query

Comprehensive Protection
OCP / OVP / OTP

Communication Interface
RS485 (Standard), Ethernet (Optional)

Multi-Unit Paralleling Supported

MODEL RANGE

Model	Input Voltage	Current	Power
ALB-RH-500	3 Phase AC0 – 400V	721 A	500 kW
ALB-RH-1000	3 Phase AC0 – 400V	1443 A	1000 kW
ALB-RH-1500	3 Phase AC0 – 400V	2165 A	1500 kW

TYPICAL APPLICATIONS

Generator Testing | Power Distribution Testing | Production Testing | Commissioning | Industrial Load Testing

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ARAKAWA
電力試験シリーズ

ALB-RH 500-1500 kW

Detailed Specifications

ARAKAWA ALB-RH 500–1500 kW series provides high-capacity programmable AC load bank solutions for demanding industrial power testing. This page presents the main technical specifications and operating highlights for the 500 kW, 1000 kW, and 1500 kW models.



SPECIFICATION TABLE

Model	Input Voltage	Current	Rated Power	Dimension (W×D×H mm)	Weight (kg)
ALB-RH-500	3 Phase AC0–400V	721 A	500 kW	1300 × 1400 × 1250	600
ALB-RH-1000	3 Phase AC0–400V	1443 A	1000 kW	1600 × 2500 × 1250	1100
ALB-RH-1500	3 Phase AC0–400V	2165 A	1500 kW	1600 × 3500 × 1250	1600

TECHNICAL SUMMARY

Frequency
40 – 60 Hz

Control Power
3 Phase AC380V / 50 Hz

Protection
OCP / OVP / OTP

Load Mode
CR Mode

Wiring Method
Copper busbar connection

Communication
RS485 standard;
Ethernet optional

Control Methods
Local Touch Screen Control
Ethernet Remote Control
Phone APP (Android)

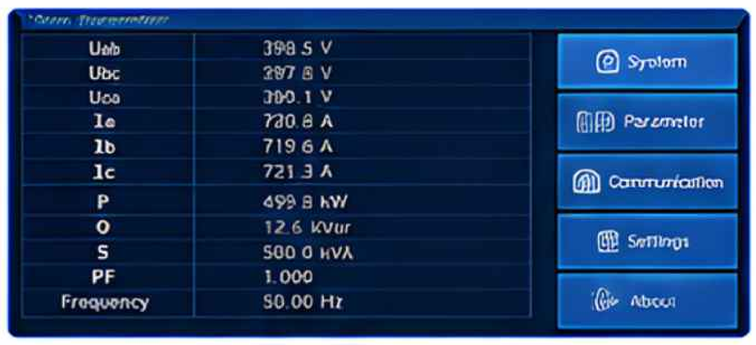
Air Outlet Mode
Air intake on the right;
Air outlet on the left

Device Noise
≤85 dB at 1 m from air outlet

SCREEN INTERFACE



Main Control Interface



System Interface



Date	Time	Alarm description	Status
2024-01-15	10:20:56	Output Over Current Alarm	Alarm
2024-01-15	09:18:37	Over Temperature Alarm	Alarm
2024-01-15	08:11:03	DC Fan Fault Alarm	Alarm
2024-01-14	16:05:21	Communication Fault Alarm	Alarm
2024-01-14	15:21:09	Input Phase Loss Alarm	Alarm
2024-01-14	13:07:44	Emergency Stop Alarm	Alarm
2024-01-14	10:12:36	System Normal	Normal
2024-01-14	09:01:22	Start Success	Normal

Alarm / Status Interface

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TYPICAL APPLICATIONS

ALB-RH Programmable AC Load Bank Series









ARAKAWA ALB-RH programmable AC load banks are suitable for precision testing, production testing, commissioning, and power system verification across low-power, medium-power, and high-power applications. With advanced control technology, flexible configuration, and reliable performance, ALB-RH series delivers accurate and stable load simulation for a wide range of industrial and commercial power testing needs.

High-Precision Series
3 – 30 kW



- R&D Testing
- Lab Use
- Low-Power Production Testing

High-Density Series
100 – 200 kW



- Indoor Industrial Testing
- Production Lines
- Compact Power Verification

High-Density Series
500 – 1500 kW



- Generator Verification
- Large-Scale Commissioning
- Heavy-Duty Industrial Testing

TYPICAL APPLICATIONS

- Generator Testing
- Power Supply Testing
- R&D and Development
- Production Testing
- Commissioning and Field Testing
- Data Center & UPS Testing
- Renewable Energy Testing
- Industrial Load Testing

RECOMMENDED USE BY SERIES



3 – 30 kW
- Bench testing
- Lab use
- R&D
- Low-power production testing



100 – 200 kW
- Indoor industrial testing
- Production lines
- Compact power verification

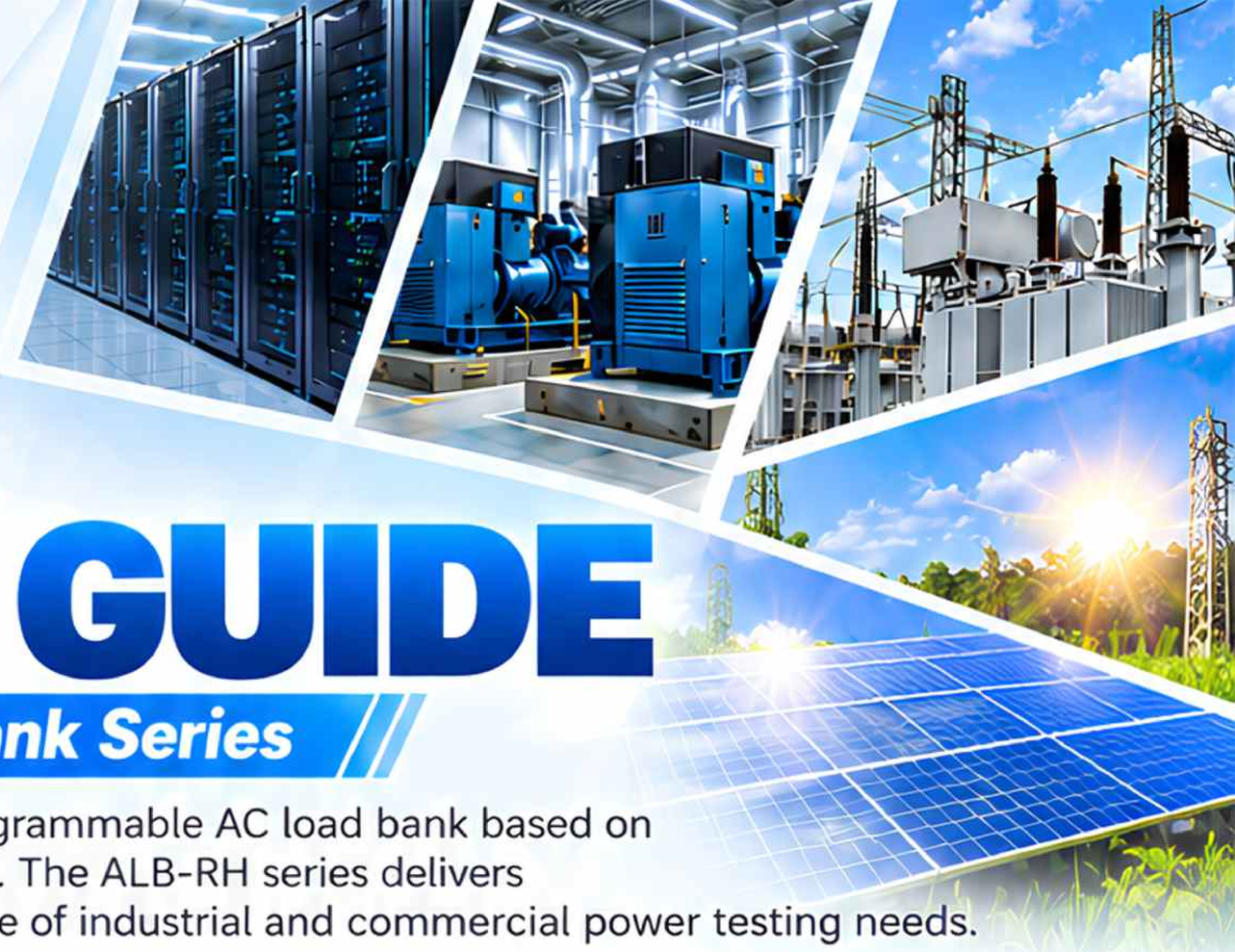


500 – 1500 kW
- Generator verification
- Large-scale commissioning
- Heavy-duty industrial testing

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PRODUCT SELECTION GUIDE



ALB-RH Programmable AC Load Bank Series

This selection guide helps you choose the most suitable programmable AC load bank based on power range, voltage, test environment, and application type. The ALB-RH series delivers accurate, reliable and flexible testing solutions for a wide range of industrial and commercial power testing needs.

3 – 30 kW High-Precision Series



Input Voltage	AC80 – 240V
Power Range	3 – 30 kW
Current Range	27/13 A to 270/135 A
Load Modes	CC / CR / CP
Key Applications	• Bench testing • Lab use • R&D • Low-power production testing

KEY ADVANTAGES

- High precision and accurate control
- Compact and flexible design
- Wide voltage range AC80–240V
- Suitable for various low-power testing applications

100 – 200 kW High-Density Series



Input Voltage	3 Phase AC0 – 400V
Power Range	100 – 200 kW
Current Range	144 A and 288 A
Load Modes	CR
Key Applications	• Indoor industrial testing • Production lines • Compact power verification

KEY ADVANTAGES

- High power density design
- Local touch screen control
- Ethernet remote control
- Phone app control
- ON/OFF stress testing
- Ideal for industrial indoor use

500 – 1500 kW High-Density Series



Input Voltage	3 Phase AC0 – 400V
Power Range	500 – 1500 kW
Current Range	721 A, 1443 A, 2165 A
Load Modes	CR
Key Applications	• Generator verification • Large-scale commissioning • Heavy-duty industrial testing

KEY ADVANTAGES

- High power density
- Stable and reliable operation
- Suitable for indoor and outdoor use
- Designed for large-capacity testing
- Ideal for generator and industrial applications

HOW TO CHOOSE

1. REQUIRED POWER RANGE
Determine your testing power requirement (3 kW – 1500 kW).

2. INPUT VOLTAGE
Check your available power source (AC80–240V or 3 Phase AC0–400V).

3. INSTALLATION ENVIRONMENT
Consider indoor or outdoor use and space availability.

4. TEST PURPOSE
Identify your application such as R&D, production testing, generator verification, or industrial commissioning.

QUICK RECOMMENDATION

- **Choose ALB-RH 3 – 30 kW** for precision low-power applications.
- **Choose ALB-RH 100 – 200 kW** for compact industrial indoor testing.
- **Choose ALB-RH 500 – 1500 kW** for large-capacity industrial and commissioning applications.

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AFTER SALES SERVICE

ALB-RH Programmable AC Load Bank Series









ARAKAWA provides professional **after-sales** support to ensure optimal performance and long-term reliability of the ALB-RH Programmable AC Load Bank Series. Our dedicated team supports installation, commissioning, maintenance, troubleshooting, and product continuity, helping your power testing operations run smoothly and efficiently.

High-Precision Series
3 – 30 kW



High-Density Series
100 – 200 kW



High-Density Series
500 – 1500 kW



SUPPORT HIGHLIGHTS

- Experienced Technical Support Team
- Professional Installation & Commissioning
- Reliable Spare Parts Support
- Responsive Service Coordination
- Preventive Maintenance & Troubleshooting

SERVICE FLOW

Consultation → Technical Review → Installation & Commissioning → Maintenance Support → Follow-Up Service

SERVICE COVERAGE



Nationwide Support Across Indonesia

- Jakarta
- Tangerang
- Bandung
- Semarang
- Surabaya
- Medan
- Bali
- Makassar
- Balikpapan
- Yogyakarta
- Singapore

WHY CHOOSE ARAKAWA SUPPORT

- Fast Response
- Technical Accuracy
- Spare Parts Coordination
- Reliable Long-Term Support

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