

## Technical Specification

### LB-400-300kW-COM Automatic Load Bank

#### 1 Foreword

This solution introduces LB-400-300kW-COM Automatic Load Bank and its accessories, including their function, performance, usage, structure, providing users with a high efficient and reliable choice to test generator. All the pictures quoted in this agreement are for reference only.

#### 2 Testing System

We do not supply testing cable, PC and printer if not specified.



#### 3 Supply List

The following form presents the accessories provided when we make shipment.

Items	Quantity	Remark
LB-400V-300kW-COM Automatic Load Bank	1	
Power Cord	1	3 meters
RS485	1	10 meters
RS485/RS232/USB Converter	1	
Documents accompanied with shipment	Quantity	Remark
Manual	1	
Packing List	1	
Data Managing Software	1	

**Eagle Eye Power Solutions LLC**

6306 Eastwood Court • Mequon, WI 53092 • 1-414-962-3660

[info@eepowersolutions.com](mailto:info@eepowersolutions.com) • [www.eepowersolutions.com](http://www.eepowersolutions.com)

## 4 Technical Parameter

Technical Parameter	
Rated Voltage & Frequency	<b>400VAC</b> ; 3 phase 4 wire, 50Hz
Max Load Power	310kW at 400V
Load Steps	Resistive Load: 1, 2, 2, 5, 10, 20, 20, 50, 100, 100kW
Power Factor	1
Load Tolerance (each step)	±5%
Load Tolerance (overall)	±3%
Display Meter	Multiple function meter
Fan Control Power	Auxiliary/external power single phase 110V 120V 130V 200V 210V 220V 230V 240V 50/60Hz
Wire Connection	Load bank input——busbar Control power input——3-core socket
Communication Interface	RS485
Insulation	F
Way of Working	Continuous Working
Cooling	Forced air, horizontal air intake and exhaust cooling
Transportation	With lifting eyes and wheel castors
Color	As request
Dimensions	843*1074*1227mm Width*Length*Height
Weight	310kgs
Operating Environment Parameter	
Ambient Temperature	-20°C~+50°C
Using Place	<b>Indoor</b>
Altitude	≤ 2500 meters
Relative Humidity	≤ 95%
Atmospheric Pressure	86~106kPa
Brands of Main Components	
Contactor	Schneider
Fuse	MIRO
PLC	Siemens

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## 5 Functions

- 1) 3- line LED multi-function meter can display real-time voltage and current of three phase and each phase, resistive power, power factor, apparent power, frequency and running time of generator set.
- 2) User can pre-set the power then press the master load button.
- 3) Control mode: user can choose local control or intelligent control (through PC with our data management software).
- 4) Control mode interlock: there is switch in control panel to choose control mode, other control mode is invalid if user choose one control mode.

## 6 Protection

- 1) Have emergency stop button.
- 2) In case of **over-load, over-heat, short circuit**, load bank will automatically remove load and give alarm.
- 3) Fan protection: Load bank could not load before power of fan is on.
- 4) Give alarm when any fan is abnormal or with insufficient air volume.
- 5) Protection button: there are some protection buttons can be switched off when false alarm or for special requirements.

## 7 Data Processing Software

- 1) Automatic load: User can set several periods of power and duration and in turn of 0%→25%→50%→75%→100% or 110% then →75%→50%→25%→0%.etc to make automatic load testing.
- 2) Can make parallel testing for several units.
- 3) Data can be saved, could display real-time data and history data.
- 4) Charts and graphs can be exported in format of JPG while testing data exported in Excel and Word format, and all can be printed.

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# EAGLE EYE POWER SOLUTIONS



AC400V-100KW Automatic Load Bank [Hebei Kaixiang Electrical Technology Co., Ltd.]

Testing Time: 2022-06-24 16:19:57 | Running Duration: 00:11:45 | Test Name: T7 | Operator: 88

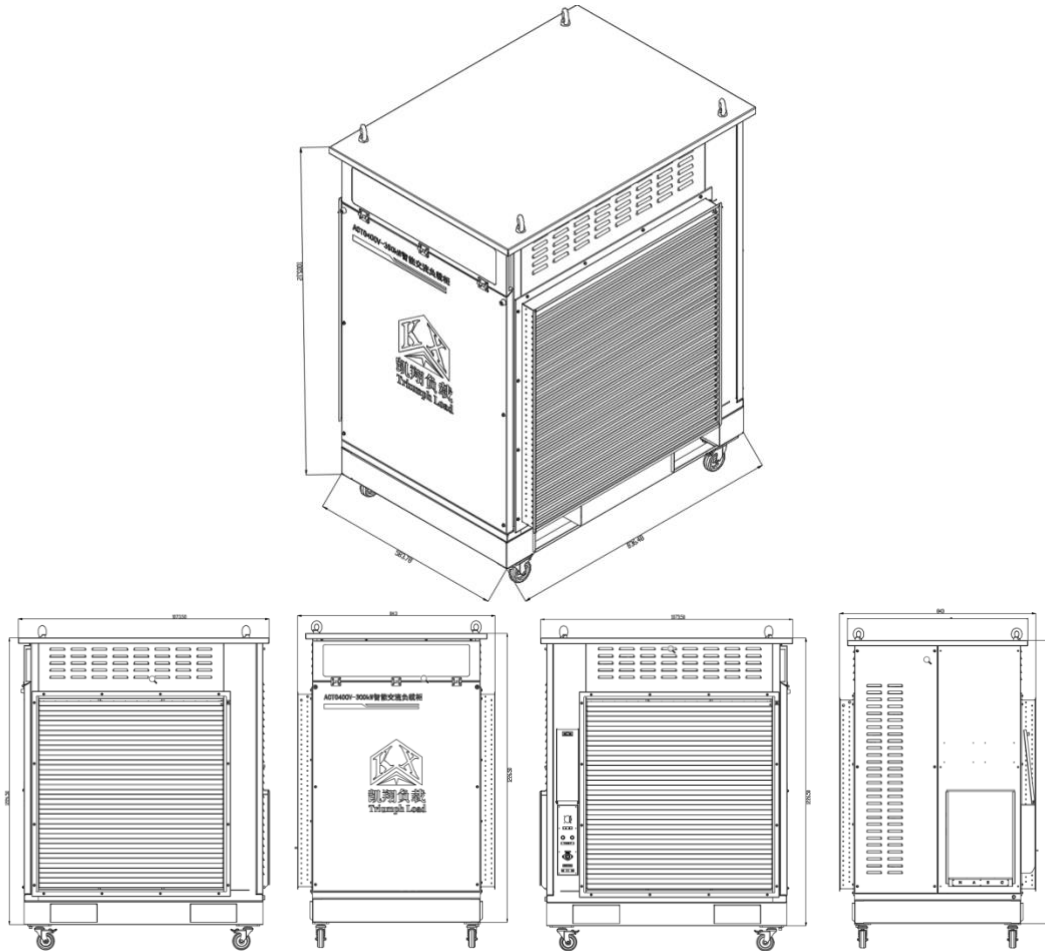
Record No.	Time	L1(V)	L2(V)	L3(V)	I1(A)	I2(A)	I3(A)	P(KW)	Q(kvar)	S(KVA)	PF	F(Hz)
33	2022-06-24 16:20:29	380.8	379.5	384.8	0	0	0	0	0	0	0	50.08
34	2022-06-24 16:20:30	380.8	379.5	384.8	0	0	0	0	0	0	0	50.08
35	2022-06-24 16:20:31	381.8	379.4	384.7	0	0	0	0	0	0	0	50.08
36	2022-06-24 16:20:32	380.9	378.4	383.8	4.5	6.99	4.83	4.53	0.06	4.53	1	50.09
37	2022-06-24 16:20:33	380.7	378.2	383.6	6.93	6.99	6.75	4.53	0.06	4.53	1	50.09
38	2022-06-24 16:20:34	380.4	377.8	383.1	6.93	6.99	6.75	4.53	0.06	4.53	1	50.09
39	2022-06-24 16:20:35	380.6	378.2	383.4	6.93	6.99	6.75	4.53	0.06	4.53	1	50.1
40	2022-06-24 16:20:36	380.7	378.3	383.6	6.93	6.99	6.75	4.53	0.06	4.53	1	50.1
41	2022-06-24 16:20:37	380.7	378.3	383.6	6.93	6.99	6.75	4.53	0.06	4.53	1	50.1
42	2022-06-24 16:20:38	380.5	378	383.1	6.96	6.99	6.75	4.53	0.06	4.53	1	50.1
43	2022-06-24 16:20:39	380.5	378	383.1	6.96	6.99	6.75	4.53	0.06	4.53	1	50.1
44	2022-06-24 16:20:40	380.4	377.9	383	6.93	6.99	6.75	4.53	0.06	4.53	1	50.1
45	2022-06-24 16:20:41	380.5	377.8	382.9	6.93	6.99	6.75	4.53	0.06	4.53	1	50.09
46	2022-06-24 16:20:42	380	377.3	382.3	6.96	6.99	6.75	4.53	0.06	4.53	1	50.09
47	2022-06-24 16:20:43	379.7	377	381.9	6.96	6.99	6.75	4.53	0.06	4.53	1	50.09
48	2022-06-24 16:20:44	380.1	377.1	382.2	6.93	6.99	6.72	4.5	0.06	4.5	1	50.09
49	2022-06-24 16:20:45	378.3	376.7	381	6.93	6.99	6.72	4.5	0.06	4.5	1	50.1
50	2022-06-24 16:20:46	380.2	377.5	382.7	6.9	6.99	6.72	4.53	0.06	4.53	1	50.12
51	2022-06-24 16:20:47	380.8	377.9	383.4	6.93	6.99	6.75	4.53	0.06	4.53	1	50.11
52	2022-06-24 16:20:48	380.1	376.5	382.4	6.93	6.99	6.75	4.53	0.06	4.53	1	50.1

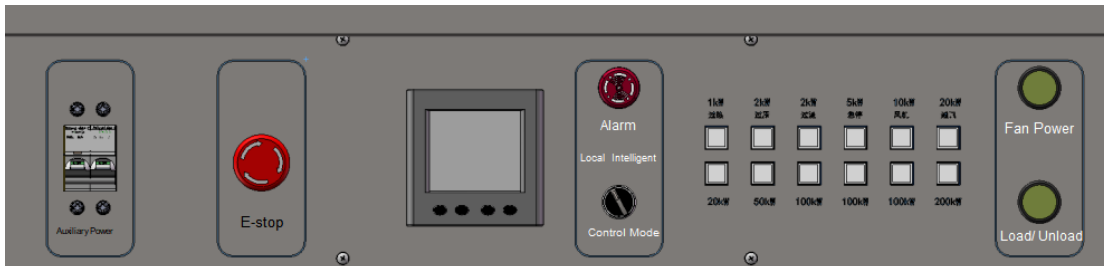
Buttons: Report Summary, Export Report, Preview, Print, Close

Buttons: Select, Export excel

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**8 Pictures**





Control panel

## 9 After-sale Service

- (1). Warranty period is one year.
- (2). If required, technicians will be sent to help customer install, debug or repair the machine by the user's cost.
- (3). Customer has the right of technical consulting service for free forever.