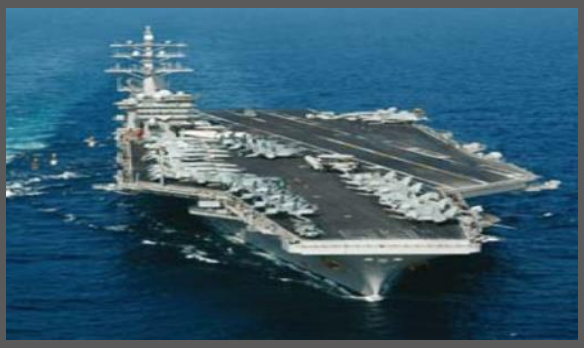
COMPACT AC RESISTIVE LOAD BANK – 20KW

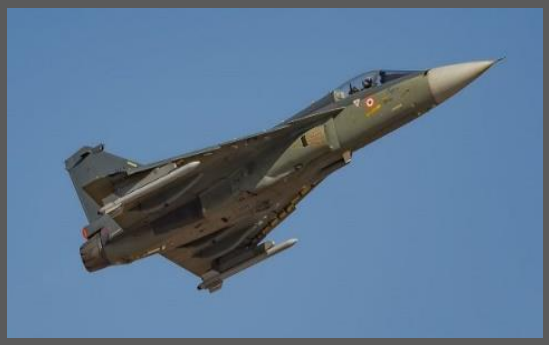
(POWER-20KW WITH 5 LOAD STEPS)

MODEL NO - NAK-RL20000W

ULTRA-LIGHTWEIGHT SMALL AND POWERFULL

Industrial / Ground Applications





TECHNICAL SPECIFICATIONS OF AC RESISTIVE LOAD BANK-20KW

Rated Voltage	:	230V(±10%) 50HZ, Single Phase
Rated Power	:	20KW @ 230V AC
Load Steps	:	5 Load Steps: 1KW/2x2KW/5KW/10KW @ 230V AC (Total Load Capacity -20KW)
Load Steps Resistance	:	Step-1 - 53Ω, Step-2 – 26.5Ω, Step-3 – 26.5Ω Step-4 – 10.58Ω & Step-5 – 5.30Ω
Resistance Accuracy	:	±5%
Load Power Adjustment	:	5 Load Steps: 1KW/2x2KW/5KW/10KW @ 230V AC
Load Element	:	Coiled Wire Resistors or Aluminum Housed Metal Clad Braking with external heat sink
Power Factor	:	PF=1.0
Load Accuracy	:	±5%
Display (Digital meter)	:	1) Voltage 2) Current 3) Power
Mains Voltage	:	230V AC (±10%) 50/60Hz, Single Phase
Load Power Control	:	Manual Control by MCBs
Emergency Stop	:	By Emergency Switch
Protection Level	:	IP20(Indoor use)
Noise	:	75dB
Cooling Mode	:	Force-air cooling
Air flow	:	2384 CFM
Work Mode	:	Continuous work
Dimension	:	600*800*947mm(W*L*H)
Weight	:	≈62KG ±5KG
Operating Temperature	:	200 °C
Temperature Rise	:	300 °C+ Ambient
Humidity	:	≤95%
Mobility	:	4 Wheels for load movement
INSULATION		
Input/Case	:	1000 V

(MADE IN INDIA)

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AC Input Connections:

First of all open the front door of the resistive load bank for connections. The AC input terminals has been provided for L, N and PE for input connections.

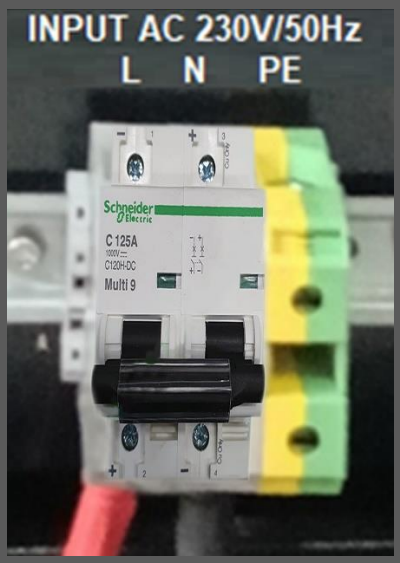

Figure-2

Connect the 220VAC line source at Terminal (L), Neutral Terminal (N) & Power Earth Terminal (PE) provided at front side of resistive load bank. marked as above Figure-2.

Do not forget to connect the GND bolt provided at the rear side of the load to the earth.

Before making the load bank input ON, please ensure that the circuit breakers (Stape 1 to 5) are in off condition. Note: The Input power cable size is recommended 35 Sqmm minimum for 20KW Load.

Make 'ON' the Resistive load bank:

Switch on the resistive load bank input at No-load condition. After the load bank input ON, please switch on the one-by-one load MCBs.

Figure-3

Switch on the MCB-1 (step-1) for 1KW Power and check Voltage, Current & Power in Watts on the front panel V/A/W Meter. (Total Power – 1KW)

Switch on the MCB-2 (step-2) for 2KW Power and check Voltage, Current & Power in Watts on the front panel V/A/W Meter. (Total Power – 3KW)

Switch on the MCB-3 (step-3) for 2KW Power and check Voltage, Current & Power in Watts on the front panel V/A/W Meter. (Total Power – 5KW)

Switch on the MCB-4 (step-4) for 5KW Power and check

Voltage, Current & Power in Watts on the front panel V/A/W Meter. (Total Power – 10KW)

Switch on the MCB-5 (step-5) for 1KW Power and check Voltage, Current & Power in Watts on the front panel V/A/W Meter. (Total Power – 20KW)

Emergency Stop Switch Function:

1. If the any emergency or misshaped during the testing, burning then push only the emergency switch and protect yourself and the testing equipment. Push the emergency switch that time the load will be disconnected.

2. If you are sure everything is normal then you can push and rotate the emergency switch again, and the load will be ON.

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