



**REDBOX**  
INTERNATIONAL

**80 KVA - RAB-80 D**

# 400Hz Load Bank - Digital 80 KVA - RAB-80 D

Red Box provide a range of portable resistive load banks for civil and military aviation. The load banks provide a contained, organised and fully controllable load, with the highest quality components.



## DISPLAY

- Easy to read 3-row (2x4 characters + 1x5 characters) bright LED display, adjustable update time and brightness.
- Auto-scroll option with adjustable page exposition time; auto-return to a default page.
- LED bar graph showing percent load with respect to user.
- Definable nominal load current Event and Data recording.
- Non-volatile memory for long term event and data recording.
- Event recorder for logging internal diagnostic events and setup changes.
- Two data recorders, programmable data logs on a periodic basis; automatic daily energy and maximum demand profile log.

## MEASURES

- Volts.
- Amps.
- Vars.
- VA.
- PF.
- Hz.
- Phase Rotation.
- Neutral Current.
- Voltages and Currents.
- Unbalance.
- Max. Demand (Amps, Watts).
- Min/Max.

80 KVA - RAB-80 D	
VOLTAGE [V]	115 / 200V AC $\pm 10\%$
FREQUENCY [Hz]	400 Hz $\pm 5\%$
POWER [kW] ( $\cos \varphi=1$ )	80 kVA
VARIABLE LOAD STEPS	0 – 80 kVA
COOLING – FORCED [m <sup>3</sup> /min]	88.20
MEASUREMENT	3 LINE DIGITAL POWER METER WITH USB OUTPUT
<b>NORMS</b>	
STANDARDS	ISO 6858, DSF 400, ARP 5015
CLASSIFICATION	CE marking, DIN, VDE, IEC
<b>ENVIRONMENT</b>	
OPERATING TEMPERATURE	-10 to + 40 °C
MAXIMUM ALTITUDE	1000 m (WITHOUT DOWNGRADING), max 2000 m
RELATIVE HUMIDITY	0% – 70% (W.O.CONDENSATION)
NOISE LEVEL	<70
DEGREE OF PROTECTION	IP 21
DIMENSIONS [ L x B x H mm]	600 X 230 X 630
WEIGHT [kg]	28
PAINTING	RAL 29/80081-Tiger / Austria

## VALUES

- Nominal voltage range of 0-690V L-L.
- One communication port RS485, protocol: ASCII, improved MODBUS and DNP 3.0 Level 2.
- Bright LED display.
- Standard THD and individual Harmonics to 40 for Voltages and Currents.
- TDD and K-Factor for Currents.
- Neutral Current.
- Voltages and Currents.
- Unbalance.
- Energy (Import/Export) – kWh, kVah, kvarh and Demand (Max, Accum, Sliding, Projected).
- Kw.
- Kva.
- Kvar.
- Energy Registers.
- Max Demand Registers.
- Harmonic Measurements- synthesised voltage and current waveforms (via PAS software).



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