

AC6 Series

AC6 Load bank



Light weight, compact load bank providing 6kW of load capacity, with a manual control interface.

Key features

Portability

At 12kg this lightweight, compact unit with lifting handle is highly portable. It neatly fits into site vans for convenience, and is easy to carry to the test locations.

Easy to use

Simple manual control interface enables fast set-up. Analogue meters in the AC6 provide clear real-time display of the voltage, current and frequency.

Cable stowage

With an integrated compartment to stow the supplied connection cable(s) the AC6 does not take up a lot of space either when in use or when being stored.

Site ready

The dual voltage (110V and 230V) version of the AC6 provides the convenience of a single piece of equipment ready to test performance of both 110V equipment and standard 230V supplies.

Optional extras

- **Supply cables** - made to order to the desired length and with supply side connection method to suit the intended use.
- **PVC storage cover** - available for protection during transport or storage.



Voltage rating options

The AC6 is available in 2 standard versions with the following voltage ratings:

Dual; 110V and 230V
 Single; 230V only

Both versions are suitable for frequencies of 50Hz or 60Hz. Other voltages and frequencies are available on request.

Power ratings

| | 110V AC 1-phase | 230V AC 1-phase |
|--------------------------|--------------------|--------------------|
| Maximum capacity, kW | 3.3 | 6 |
| Load step resolution, kW | 0.30 | 0.33 |

Control and ventilation

| | |
|-------------------|---------------------------------------------------------------------------------------------------------------------------|
| Manual controls | 6 x Load section toggle switches Single; 1 x on/off MCB switch Dual; 1 x 110/off/230 rotary selector switch |
| Control interface | Manual control (described above) 1 x Analogue volt meter 1 x Analogue frequency meter 1 x Analogue current meter |
| Cooling | Forced convection, horizontal cooling |
| Fan(s) | 1 x AC axial type |
| Control supply | 230Vac 1-phase |
| Source | Internal, taken from supply under test |

Connection interfaces

| | |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Load connections | Single; 1 x 1.5m integrated lead with 230V 32A IEC60309 inline socket (1P+N+PE) Dual; as single plus 1 x 1.5m integrated lead with 110V 32A IEC 60309 inline socket (1P+N+PE) |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Operating environment

| | |
|---------------------|-----------------|
| Suitable for | Indoor use only |
| Ambient temperature | -10°C to 50°C |
| Humidity | 95% RH |
| Ingress protection | IP20 |

Construction

| | |
|-------------------|-------------------------------------------------|
| Resistor elements | Wound steel tape |
| Element material | High grade stainless steel |
| Enclosure | Aluminium, painted RAL9002 grey |
| Portability | 1 x protective lid with integrated carry handle |

Weight and dimensions

See general arrangement drawing reference 161471

| | |
|------------|-----|
| Length, mm | 495 |
| Width, mm | 220 |
| Height, mm | 550 |
| Weight, kg | 12 |

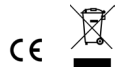
Safety

| | |
|-----------------------|-------------------------------------|
| Electrical protection | Short circuit protection via MCB(s) |
|-----------------------|-------------------------------------|

Testing and standards

Every unit is subjected to routine testing before dispatch, including functional operation, electrical insulation testing and visual inspection.

Declaration of conformity document reference: 161472



Documentation

Supplied with an operation and maintenance manual and routine test report as standard.

Training and support

Training can be provided by the manufacturer at our headquarters or on-site, please contact our support team to find out more.

Warranty

The equipment is covered by a 12-month warranty.