

AC30 Series

AC30 Load bank



Compact load bank providing 30kW of load capacity, with a highly adjustable manual control interface.

Key features

Portability

The lightweight aluminium enclosure combined with the small frame size, castors and handles make the AC30 a highly portable unit. The four 150mm diameter fans produce an evenly distributed airflow over a short distance which enables the resistor elements to be fitted closer to the fans resulting in a compact piece of equipment.

Easy to use

Simple manual control interface enables fast set-up. Analogue meters in the AC30 provide clear real-time display of the voltage, current and frequency, making it quick and easy to understand.

Phase load adjustment

Each phase of each section within the AC30 is individually switched enabling the loading on each phase to be set precisely to the required value.

1 or 3 phase

Featuring dual IEC sockets the AC30 can be loaded from a 3-phase or 1-phase AC supply at up to 30kW or 14.5kW respectively. Easily configure the load bank for the supply to be tested with a simple selector switch.

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.



Ratings

	3-phase	1-phase
Voltage, V AC	400	230
Maximum capacity, kW	30	14.5
Load step resolution, kW	1.0	0.33

Suitable for frequencies of 50Hz or 60Hz. Other voltages and frequencies available on request.

Control and ventilation

Manual controls	3 x 6 x Load section toggle switches, 1 x 1ph./off/3ph. rotary selector switch
Control interface	Manual Control (described above) 18 x Section status lamps 1 x Over-temp. status lamp 1 x Analogue volt meter 1 x Analogue frequency meter 3 x Analogue current meters (1 per phase)
Cooling	Forced convection, vertical flow (side outlets)
Fan(s)	4 x AC axial type
Control supply	230Vac 1-phase
Source	Internal, taken from supply under test

Safety

Electrical protection	Short circuit protection via MCB(s)
Thermal protection	Over-temperature thermostat trip.

Connection interfaces

Load connections	1 x 3-phase 63A IEC socket (3P+N+PE) 1 x 1-phase 63A IEC Socket (1P+N+PE)
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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 and expanded mesh
Element material	High grade stainless steel
Enclosure	Aluminium, painted RAL9002 grey
Portability	2x castors, 2x handles

Weight and dimensions

See general arrangement drawing reference 161473

Length, mm	560
Width, mm	400
Height, mm	840
Weight, kg	30

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: 161474



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.