

PROUDLY 100% AUSTRALIAN OWNED

MACFARLANE  
GENERATORS



ESTABLISHED 1949

# 100kW Loadbank with Baseload



**Crestchic Loadbanks**  
WORLDWIDE LOADBANK SPECIALISTS

## Rugged Build

Made of high quality material to withstand the elements.

## Weather Protected

Designed for outdoor use, weather protected, powder coated rigid IP55 construction.

## Load Switching

25kW automatic switching resolution.

## Longevity

Stainless steel enclosed elements consisting of 80/20 nickel chrome resistance wire for long service life.

## Reliability

12 months warranty.



## LOADBANK SPECIFICATIONS

### Capacity

240/415V, 50 Hz,  
1.0 PF.

### Design Voltage

415 volts, 50 Hz  
Other voltages and frequencies available  
on request.

### Dimensions

1276mm (h) X 1048mm (l) X 875mm (w)  
230 KG Approx.

### Cooling

One fan, forced air cooling.  
Comes with electrical interlocking system and  
Thermal sensors for safe operations.

### Resistors

Load is provided by groups of totally enclosed  
resistor elements consisting of 80/20 nickel chrome  
resistance wire centred in a finned stainless steel  
tube filled with compressed magnesium oxide to  
ensure rapid heat transfer.

### Air Flow

3,000 CFM, designed  
for the outdoors.

### Parameters

Maintains maximum capacity  
in ambient conditions up to 40° C  
and 100% humidity.

**VIC Office:** 136 Fairbank Road, Clayton South, VIC 3169 Tel.: 03 9544 4222 Fax: 03 9543 7138

**NSW Office:** 1 St James Place, Seven Hills, NSW 2147 Tel.: 02 9899 6699 Fax: 02 9899 8048

**QLD Office:** 31 South Pine Road, Brendale, QLD 4500 Tel.: 07 3205 6333 Fax: 07 3205 6344

*Power Anywhere, Anytime*

**1300 MAC GEN (622 436)**

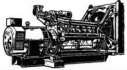
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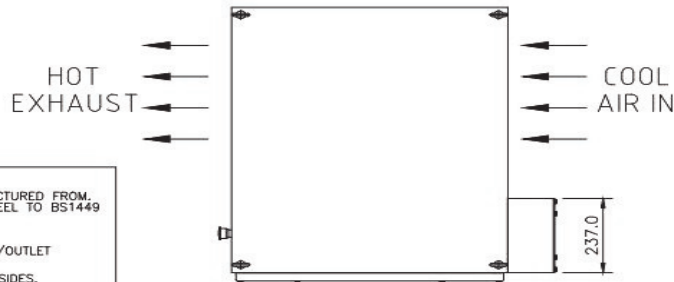
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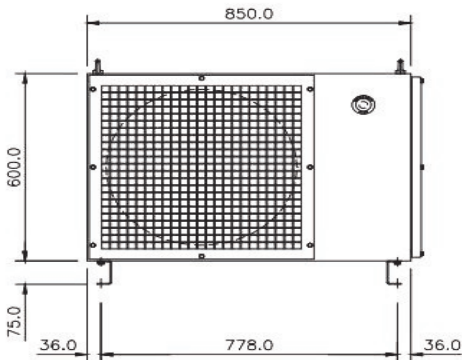
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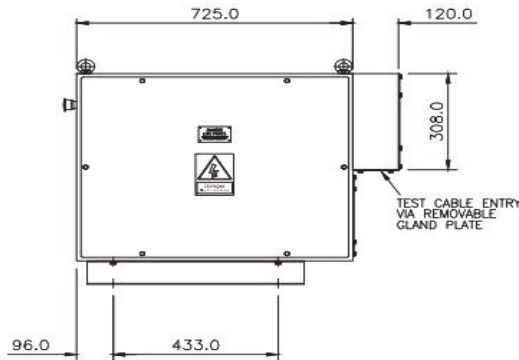
- NOTES--
1. MAIN ENCLOSURE AND ANCILLARY METALWORK MANUFACTURED FROM: COLD ROLLED, HIGH GRADE ZINTEC (ZINC COATED) STEEL TO BS1449 PART 1 : 1972 GRADE CR4.
  2. APPROX WEIGHT: - 130kg.
  3. NO OBSTRUCTION PERMITTED WITHIN 1m OF AIR INLET/OUTLET GRILLS.
  4. 1m CLEARANCE REQUIRED FOR MAINTENANCE ON ALL SIDES.
  5. APPROX AIRFLOW - 3000CFM (5100CMH)



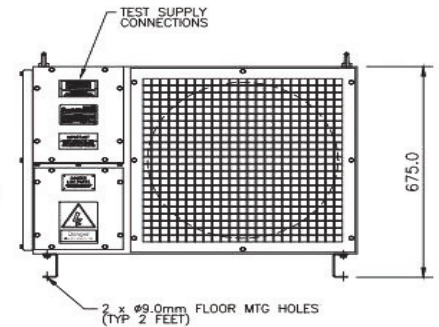
PLAN VIEW



REAR VIEW



SIDE VIEW



FRONT VIEW

## LOADBANK SPECIFICATIONS

### Baseload Control

Baseload is a lower cost system which ensures that a generator never runs below a minimum loading level. Load is switched in single steps by contactors controlled by a PCB monitoring the 5 amp secondary of a current transformer, installed on L1 of the customer's distribution cables. When the site load falls below a preset level, the contactors close

connecting the load to the generator in sequential 25kW steps up to a maximum of 4 steps. The controller continues to monitor the total load and when it has risen above a preset value the contactors will open removing the dummy load from the generator in stages. When specified a two stage controller can be fitted to switch the load in two equal steps.

- Note:*
1. CT is excluded and must be supplied and installed by the customer.
  2. Materials and specifications are subject to change without notice.

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