



# Mobile Equipment Air-Conditioners



***Heuch Air-conditioner Equipped***

Heuch manufacture a series of lightweight mobile air conditioning equipment, designed for Australian off-road and ambient extremes.

Each component has been selected for its suitability to withstand the stresses found on off-road vehicles used over rugged terrain.

Equipment strengths and options include:

- ✿ Light weight welded aluminium chassis
- ✿ Light weight aluminium access panels
- ✿ Unloading refrigeration system for continuous operation
- ✿ Modular construction
- ✿ High Efficiency Heat-exchangers
- ✿ High Volume Air circulation fans suitable for ducted connections
- ✿ Remote control console with umbilical cord
- ✿ Low Ambient temperature control

Equipment can be configured upon request in single or multiple zones, one piece or as a split system. The units consist of three main components; an evaporator housing, an air-cooled condensing unit assembly and an electrical assembly.

The units can be specified with a 100% cooling unloading capability for low cooling load situations. This allows the refrigeration compressor to run continuously once cooling is selected and assists in the reduction of transient power fluctuations caused by the stopping and starting of the compressor motors.



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## Specification for MEAC 13444 (Typical)

<b>General</b>	A one-piece lightweight air-conditioning system also suitable for split operation.
<b>Cooling Capacity</b>	5.6 kW @ 48°C amb, 22°C return air temp.
<b>Heating Capacity</b>	3.75 kW
<b>Power Requirements</b>	415VAC, 50 Hz, 3 Wire + Earth
<b>Operating Temperature</b>	Max 55°C Min -15
<b>Equipment Standards &amp; Codes</b>	AS 1677 AS 3000

<b>Mass –</b>	34 kg	Evaporator
	64 kg	Condenser
	10 kg	Low Ambient Control
	1 kg	Heater
	109 kg	Total

**External Finish**      Olive Drab – Valspar  
Urethane Epoxy



### Refrigeration Compressor – R134A

Type	Heuch Transport compressor	
Voltage Range	360 – 440	@ 50 Hz
Power consumption	2.65 @ design conditions	kW
Weight	26	kg

### Evaporator Fan Motor

Type	Centrifugal, Direct Drive
Duty @ High Speed	400 l/sec @ 180 Pa ext'l

### Condenser Fan Motor

Type	Centrifugal, Direct Drive
Duty @ High Speed	450 l/sec @ 150 Pa ext'l

### Heater Element

No. Off	3, balanced across phases
Type	Finned Extended Surface

### Controls

Control Voltage	24vac
Current Consumption	1.0      Amp