

# Air Conditioned Transit Cases

## Integral air conditioning options for Amazon Rack & ERACK

### Fitted & Insulated A/C Units

CP Cases produce a range of vibration mounted 19 inch electronic rack cases with the option for insulation and air conditioning units fitted. A/C options for thermoelectric coolers are available.

Thermoelectric cooling units (based on the Peltier effect) are solid state systems with no moving parts, other than axial fans to distribute the cold air. Other benefits of thermoelectric air conditioning include extremely low maintenance, no air exchange (between inside and outside), no compressor, no refrigerant and no "brownouts" at low voltage.

A 1500 BTU cooler can typically be fitted in a 19 inch rack as small as 6U, with options of aluminum ERack and rotomolded Amazon Rack COOL-COLLARS available. Various A/C units available from 200 BTU to 3200 BTU.

A full air conditioning brochure is available upon request.

### Ventilation

Thermoelectric coolers do not require ventilation in the outer container, this helps maintain the IP rating of the rack. Image shows Amazon Cool Collar (below).



ERack with thermoelectric 1500BTU cooler & EasyGlide™ chassis

### Approx. BTU to Watt Conversion Table

BTU	Watt
200	60
400	90
800	170
1500	325
2500	805
3200	940



### Thermoelectric Air Conditioning

"Closed loop" cooling - Ambient air does not mix with internal air - see below.

