

**Description:**

The THP33B is a high performance air to plate heat pump assembly using a single 30mm 33W TEC, with a forced convection extruded aluminium heat exchanger.

Applications include discrete temperature control of thermally sensitive components or samples. With a bi-polar controller it can be used to both heat or to cool.

It is supplied with the TEC and fan wired in parallel, however the removal of a jumper allows the fan and TEC to be controlled independently.

**Dimensions (max):**

Hot side	107mm x 92mm x 70mm
Cold block	50.8mm dia x 15mm
Mass	505g

### Electrical:

V range 6 -12VDC  
I max 4.0A

### Thermal:

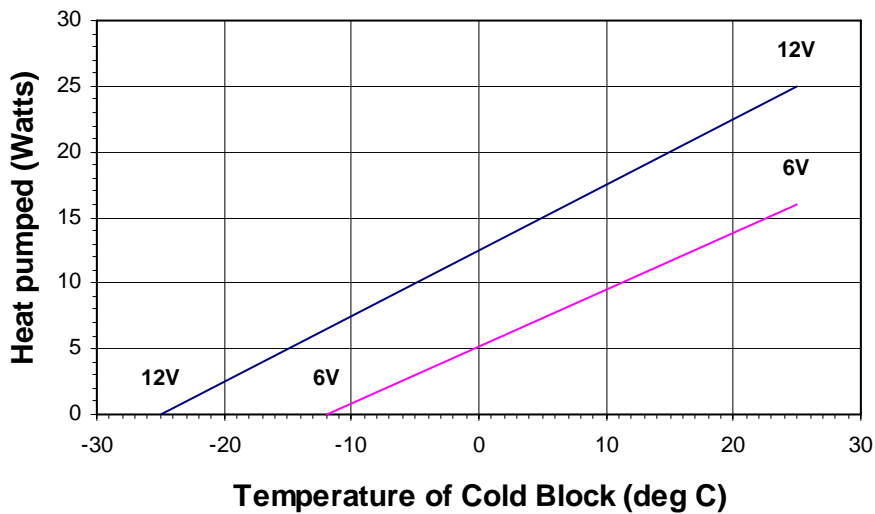
Delta t max: (ambient to cold block) 50 deg C  
Heat pumping (cooling): Max @ delta t = 0 25W  
Typical @ delta t = 25 (12V) 14W  
Heat pumping (heating): Max @ delta t = 0 60W

### Environmental:

Operating temperature: -20 to +50 deg C

IP20

[THP33 Performance Graph \(25 deg C\)](#)



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