



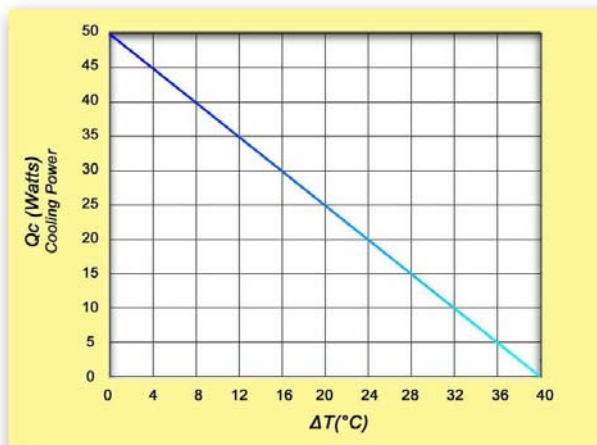
TCP-50

Next Generation
Thermoelectric Cold Plate

UNIT CODE	DESCRIPTION
TCP-50	COLD PLATE (<i>Plate-to-Air Heat Exchanger</i>)

SPECIFICATIONS			
Current I_{max}	Voltage V_{max}	Cooling Capacity Q_{max}	Maximum Delta T ΔT_{max}
6.8 Amps	12 Volts	50 Watts	35 °C

TCP-50 PERFORMANCE CURVES



With a four inch square surface our TCP-50 Cold Plate is powerful, compact, easy to use, highly reliable and affordable. Designed for operation from a separate 12V DC source, it can be used within moments of delivery.

TCP-50 can be connected to our temperature controller (left) if you require precise temperature control.

Operating Temperature Range = -10°C to +75°C
 Cooling Capacity = 50 watts @ 25 °C ambient
 Heating Capacity w/25°C ambient air = 80 watts
 Voltage Nominal = 12V D.C.
 Voltage Max = 15V D.C.
 Current at 12V D.C. = 6.8 amperes
 Control Accuracy = + 0.1 °C
 Cooling Fan = Brushless, Nominal 12 V D.C.
 Fan life expectancy at 25°C ambient is 50,000 hrs.
 Dimensions: 4" x 4" x 3 3/4"
 Weight: 1 lbs, 15 oz.

Quiet (<37dB fans) 40 Watt version available +\$10

"TCP-50" is \$149.95 (124.95 Qty 10+)

Get one of each: TCP-50, TLZ10
and PS145W12V for \$349.95



Optional Assesories for TCP-50

TLZ10 Single Set Point Temperature Controller

Data sheet: electracool.com/TLZ10.pdf



\$199.00 with NTC probe (-50 to +150C operational range)

Qty 10+ **\$ 182.50**

PS145W-12V 145 Watt Single Output Universal AC Input, Switching Power Supply

Data sheet: electracool.com/PS145-12.pdf



\$ 69- each

Qty 10:

\$ 59- each

All specifications, data and drawings are subject to change without notice Rev: 3/11