AC-055 Peltier-Thermoelectric Air Cooler



- Ideal for small to medium-sized electronics enclosures and refrigeration applications where a large temperature difference is not required.
- Weatherized protection: anodized external fins, environmentally-sealed external fan, and stainless steel finger guards.
- Maintains enclosure at NEMA 4 rating / IP-55 external fan.
- Low-profile internal fan minimizes the space required inside the enclosure.
- Internal fan blows air to center of enclosure so you can aim cooled air at the components that need the most cooling.
- Adaptable mounting can be mounted in any orientation and fan end of internal fins can be placed against enclosure wall if needed.
- Energy efficient / low input power.
- Heats as well as cools (when used with heat & cool / bipolar controller).
- High quality dual ball bearing fans for long life.
- Can easily be customized for production-sized orders to meet your exact requirements.
- CE marked, RoHS compliant.



1590 Keane Drive Traverse City, MI 49696-8257 www.tetech.com TEL: 231-929-3966 FAX: 231-929-4163 email: cool@tetech.com

Expert Engineering, Precision Manufacturing: Quality Thermal Solutions Delivered

AC-055 Specifications	TE Power (typical) ¹ : TE Power (maximum) ² :	12 VDC at 5 12 VDC at 7		NEMA Rating:	4
	Cold-side Fan Power: Hot-side Fan Power:	12 VDC at 0 12 VDC at 0		Weight (kg):	2.7
	Please review the product manual: <i>Thermoelectric Cooling Assembly</i> <i>(TCA) Instruction Manual</i> , FAQ's and related technical information, and ordering information posted on our web site before purchasing or using this product.		Performance is based on unrestricted air flow to fans and from air-flow outlets. Do not operate if the ambient exceeds 60 °C, or if the enclosure air, heat sink, or cold sink temperatures exceed 70 °C. Do not operate fans at air temperatures below -10 °C.		
¹ Current, at steady-state, is rated at +25 °C ambie ² Current, at steady-state operation under-worst c				ate current is 5.34 A.	





enclosure exceeds this, you would need more coolers and/or a larger cooler.



1590 Keane Drive Traverse City, MI 49696-8257 www.tetech.com

TEL: 231-929-3966 FAX: 231-929-4163

email: <u>cool@tetech.com</u>

Expert Engineering, Precision Manufacturing: Quality Thermal Solutions Delivered