

Thermoelectric Coolers Indoor/Outdoor



Thermoelectric Coolers minimize downtime and component loss by removing heat around critical components within an enclosure. These compact, low-profile coolers using the Peltier effect allow for cooling of small indoor and outdoor enclosures. No condensers, compressors or filters are required making it a reliable solution for demanding low-maintenance environments and low noise.

Operates on the Peltier effect for cooling or heating

INDUSTRY STANDARDS

UR, cUR Recognized; Type 12, 3R, 4, 4X; File No. SA6453

CE

IP 65

FEATURES

Operates on the Peltier effect for cooling or heating

Contains no refrigerant, making it earth friendly

Filterless design reduces maintenance requirements

Compressor-free air conditioning for demanding indoor and outdoor applications

Prewired with simple terminal block for easy wiring connections

Shrouded and unshrouded models included in standard packages

Operating temperature range -40 C (-40 F) to 55 C (131 F)

Partial recess mount

DC Powered operation for 24V and 48V applications

Low profile design allows for mounting vertically and horizontally on any enclosure to avoid interference with internal components

SPECIFICATIONS

Table 1/3

Catalog Number	Article Number	Height	Width	Depth	Nominal Voltage	Nominal Capacity Btu/h
TE121024010	21075	305mm	157mm	189mm	24V	321Btu/h
TE121024011	21072	305mm	157mm	189mm	24V	321Btu/h

CatalogNumber	Article Number	Height	Width	Depth	Nominal Voltage	Nominal Capacity Btu/h
TE121048010	21071	305mm	157mm	189mm	48V	321Btu/h
TE162024010	21077	405mm	187mm	185mm	24V	567Btu/h
TE162024020	21068	400mm	180mm	184mm	24V	567Btu/h

Table 2/3

Catalog Number	Article Number	Nominal Capacity Watts	Voltage DC	Max Current	Operating Temperature	Material
TE121024010	21075	94W	18V	8.5A	-40 to 55°C	Mild Steel
TE121024011	21072	94W	18V	8.5A	-40 to 55°C	Stainless Steel 304
TE121048010	21071	94W	40V	4.4A	-40 to 55°C	Mild Steel
TE162024010	21077	166W	18V	14.7A	-40 to 55°C	Mild Steel
TE162024020	21068	166W	18V	14.7A	-40 to 55°C	Aluminum

Table 3/3

Catalog Number	Article Number	Finish	Color	Color Code	Thickness	Quick Ship
TE121024010	21075	Powder Coated	Light Gray	RAL 7035	1.52mm	No
TE121024011	21072	Brushed #4			1.52mm	No
TE121048010	21071	Powder Coated	Light Gray	RAL 7035	1.52mm	No
TE162024010	21077	Powder Coated	Light Gray	RAL 7035	1.52mm	No
TE162024020	21068	Anodized			1.52mm	No

WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at www.nvent.com and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause

product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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