

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	Height	Width	Depth	Nominal Voltage	Nominal Capacity Btu/h	Nominal Capacity Watts
TE090624010	236mm	128mm	176mm	24V	178Btu/h	52W
TE090624011	236mm	128mm	176mm	24V	178Btu/h	52W

CatalogNumber	Height	Width	Depth	Nominal Voltage	Nominal Capacity Btu/h	Nominal Capacity Watts
TE090624020	230mm	123mm	176mm	24V	178Btu/h	52W
TE121024010	305mm	157mm	189mm	24V	321Btu/h	94W
TE121024011	305mm	157mm	189mm	24V	321Btu/h	94W
TE121024020	300mm	153mm	188mm	24V	321Btu/h	94W
TE121048010	305mm	157mm	189mm	48V	321Btu/h	94W
TE121048020	300mm	153mm	188mm	48V	321Btu/h	94W
TE162024010	405mm	187mm	185mm	24V	567Btu/h	166W
TE162024011	405mm	187mm	185mm	24V	567Btu/h	166W
TE162024020	400mm	180mm	184mm	24V	567Btu/h	166W
TE162048010	405mm	187mm	185mm	48V	567Btu/h	166W
TE162048020	400mm	180mm	184mm	48V	567Btu/h	166W

Table 2/3						
Catalog Number	Voltage DC	Max Current	Operating Temperature	Material	Finish	Color
TE090624010	18V	4.4A	-40 to 55°C	Mild Steel	Powder Coated	Light Gray
TE090624011	18V	4.4A	-40 to 55°C	Stainless Steel 304	Brushed #4	
TE090624020	18V	4.4A	-40 to 55°C	Aluminum	Anodized	
TE121024010	18V	8.5A	-40 to 55°C	Mild Steel	Powder Coated	Light Gray
TE121024011	18V	8.5A	-40 to 55°C	Stainless Steel 304	Brushed #4	

CatalogNumber	Voltage DC	Max Current	Operating Temperature	Material	Finish	Color
TE121024020	18V	8.5A	-40 to 55°C	Aluminum	Anodized	
TE121048010	40V	4.4A	-40 to 55°C	Mild Steel	Powder Coated	Light Gray
TE121048020	40V	4.4A	-40 to 55°C	Aluminum	Anodized	
TE162024010	18V	14.7A	-40 to 55°C	Mild Steel	Powder Coated	Light Gray
TE162024011	18V	14.7A	-40 to 55°C	Stainless Steel 304	Brushed #4	
TE162024020	18V	14.7A	-40 to 55°C	Aluminum	Anodized	
TE162048010	40V	7.6A	-40 to 55°C	Mild Steel	Powder Coated	Light Gray
TE162048020	40V	7.6A	-40 to 55°C	Aluminum	Anodized	

Table 3/3

Catalog Number	Color Code	Thickness	Quick Ship
TE090624010	RAL 7035	1.52mm	No
TE090624011		1.52mm	No
TE090624020		1.52mm	No
TE121024010	RAL 7035	1.52mm	No
TE121024011		1.52mm	No
TE121024020		1.52mm	No
TE121048010	RAL 7035	1.52mm	No
TE121048020		1.52mm	No
TE162024010	RAL 7035	1.52mm	No

Catalog Number	Color Code	Thickness	Quick Ship
TE162024011		1.52mm	No
TE162024020		1.52mm	No
TE162048010	RAL 7035	1.52mm	No
TE162048020		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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