Industrial strength cooling options for your enclosure from AutomationDirect

Heat Exchangers

- For NEMA 4 and 4X enclosures
- Closed loop cooling
- Energy efficient: uses approximately the same power as a filtered fan system
- 120VAC and 24VDC models available
- UL
- Made in the USA

Made in the USA

Air Conditioning Units

- For NEMA 12, 4, 4X type enclosures
- Digital temperature controller
- Active condensate evaporation system
- High unit efficiency
- Tough industrial construction
- Compressor protection system

Made in the USA

Enclosure Vortex Coolers

- For NEMA 12, 4, 4X type enclosures
- Operates on compressed air
- Stainless steel construction
- No moving parts, no maintenance required
- Vortex coolers can be "resized" for changing applications by simply replacing the generator inside the cooler. No need to purchase a new unit
- Replacing the vortex generator takes minutes

Made in the USA

Seifert Thermoelectric Cooling Units

- For NEMA 4, 4X, and 12 enclosures
- Stainless steel housing
- 170, 340, 510, 680 BTU/H cooling capacity
- Recessed mounting
- No maintenance required
- 24VDC and 120VAC power options

Enclosure Air Conditioners

Applications

Designed to maintain the temperature inside an electrical enclosure at or below a safe level for the enclosed equipment, while maintaining a closed loop environment inside the enclosure to keep out contaminates that can be in the ambient air. Can be used in environments such as steel, food processing, petro-chemical, cement, paper/pulp and plastics industries, provided there are no corrosive gases or liquids that could damage internal components.

Construction

- Free-standing rigid chassis for easy installation and maintenance
- All mounting hardware, full-size template and instruction manual included
- Power input terminal block on all models
- All Type 4 and 4X models come with condenser coils coated with an electrically applied corrosion-resistant coating

Features

- Programmable temperature controller with visible alarm features in a 0.57 x 0.29in [14.5 x 7.3mm] panel
- 70˚F to 95˚F (20˚C to 35˚C) temperature control range
- 50˚F to 125˚F (10˚C to 52˚C) ambient temperature range
- Pre-wired for external alarm monitoring connections (22 AWG three-conductor cable, 7 ft (2.3 m) long)
- Active condensate evaporation system with safety overflow
- Protective coated condenser coils on NEMA 4 and 4X for corrosion resistance
- Thermal expansion valve for maximum efficiency over wide range of temperatures and loads
- Anti short-cycle compressor protection
- High and low refrigerant cut-outs with fault indication
- Highly energy-efficient compressors
- UL/cUL listed

TA10-060-26-12 shown

Stratus Air Conditioners General Specifications

Part Number	Nominal Cooling Capacity	Operating Voltage	Inrush Current (A)	Running Current (A)	Recommended Fuse Size/Time Delay (A)	SCCR (A)	Connection	Refrigerant	Refrigerant Amount (oz)
TA10-010-16-xx	1480 BTU/H	115VAC/60Hz	14.50	3.44	12	*	Spring terminal block 24-8 AWG	R134a	4.00
TA10-010-26-xx		230VAC/60Hz	14.00	2.67	7	*			
TA20-010-48D-xx	1500 BTU/H	48VDC	-	3.50	8 (fast acting)	*			6.00
TA20-010-16-xx	1690 BTU/H	115VAC/60Hz	10.10	2.70	5	*			
TA10-015-16-xx	1725 BTU/H	115VAC/60Hz	14.60	3.44	12	*			7.75
TA10-015-26-xx		230VAC/60Hz	13.30	2.67	7	*			
TA10-027-16-xx	2680 BTU/H	115VAC/60Hz	10.00	3.20	8	*			13.25
TA10-027-46-xx		460VAC/60Hz	2.64	0.80	2	*			
TA20-020-16-xx	2705 BTU/H	115VAC/60Hz	10.63	4.10	5	*			
TA20-020-26-xx		230VAC/60Hz	8.84	2.00	4	*			9.75
TA10-033-16-xx	3300 BTU/H	115VAC/60Hz	16.00	4.80	12	*			14.25
TA10-033-46-xx		460VAC/60Hz	16.00	1.30	3	*			
TA10-020-26-xx	3585 BTU/H	230VAC/60Hz	13.65	3.07	7	*		R422d	9.75
TA10-040-26-xx	4000 BTU/H	230VAC/60Hz	13.41	3.07	6	*			13.25
TA10-050-16-xx	4390 BTU/H	115VAC/60Hz	23.42	7.26	12	*	Spring terminal block 16-6 AWG		12.50
TA10-050-26-xx		230VAC/60Hz	19.15	3.76	10	*			
TA10-050-46-xx		460VAC/60Hz	9.18	1.86	5	160kA			
TA10-045-16-xx	4535 BTU/H	115VAC/60Hz	32.30	6.82	12	*	Spring terminal block 24-8 AWG	R134a	14.00
TA10-045-46-xx		460VAC/60Hz	7.74	1.70	3	*			
TA10-059-16-xx	5910 BTU/H	115VAC/60Hz	32.30	6.14	12	*	Spring terminal block 16-6 AWG		15.00
TA10-060-16-xx	7580 BTU/H	115VAC/60Hz	42.41	7.83	25	*		R422d	18.00
TA10-060-26-xx		230VAC/60Hz	21.15	4.80	12	*			
TA10-060-46-xx		460VAC/60Hz	10.13	1.80	5	160kA			

Note: * Voltage variation no greater than ± 10% from nameplate rating and Frequency variation no greater than ± 3Hz from nameplate rating.

TA20 Series Enclosure Compact Air Conditioners, Frame Size TA20-0

NEMA 12 Construction

- Fabricated from 16-gauge cold-rolled steel
- ANSI-61 gray polyester powder coating inside and out
- Pre-cut mounting gasket included, to be field installed
- All mounting hardware, full-size template and instruction manual included
- Power input terminal block on all models

NEMA 4 Construction

- Fabricated from 16-gauge cold-rolled steel
- ANSI-61 gray polyester powder coating inside and out
- Pre-cut mounting gasket installed for NEMA/UL type rating on all units
- All mounting hardware, full-size template and instruction manual included
- Power input terminal block on all models

NEMA 4X Construction

- Fabricated from 16-gauge 304 stainless steel
- Pre-cut mounting gasket installed for NEMA/UL type rating on all units
- All mounting hardware, full-size template and instruction manual included
- Power input terminal block on all models

Features

- Fits 7 or 8in deep enclosures that have smooth/flat sides. Check enclosure dimensions/specifications before ordering
- Protective coated condenser coils on NEMA 4 and 4X for corrosion resistance
- Dual condenser coils; does not require filters

Listings

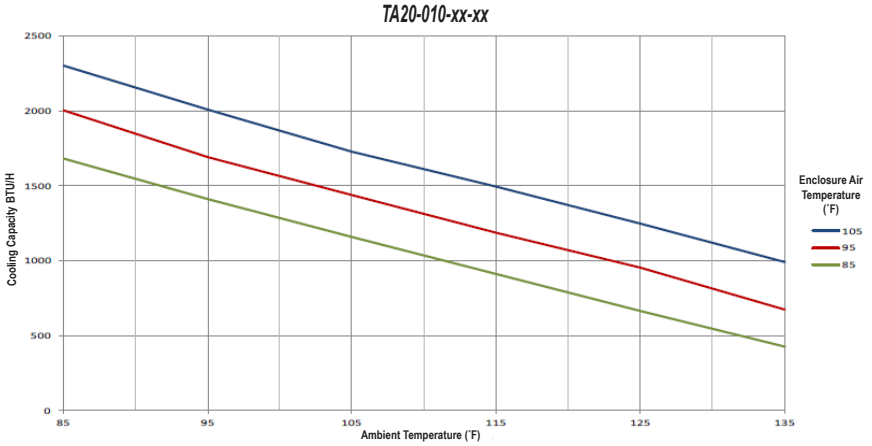
- UL File: SA33404
- UL 50, 12, 4, and 4X
- Made in USA

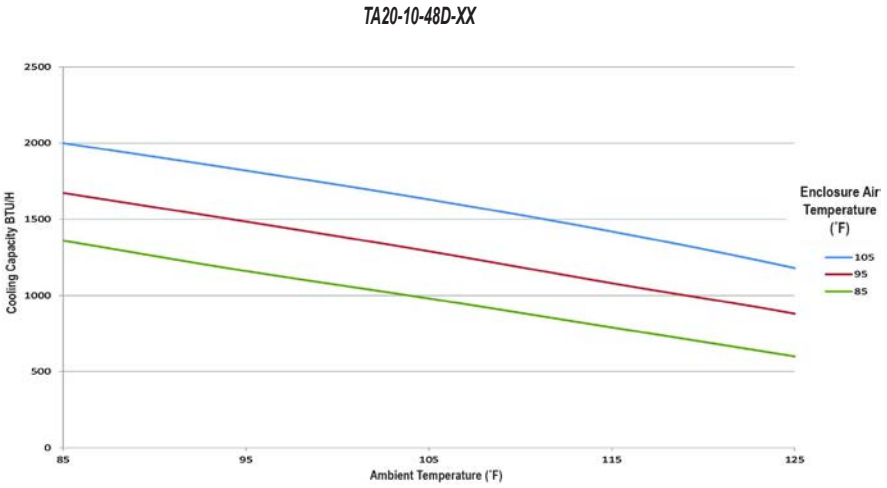
TA20-10-48D-12

TA20 Enclosure Compact Air Conditioners, Frame Size TA20-0								
NEMA 12	***Price***	***NEMA 4***	***Price***	***NEMA 4X***	***Price***	***Nominal Cooling Capacity (BTU/H)***	***Operating Voltage***	***Weight (lb)***
TA20-010-16-12	$2,591.00	***TA20-010-16-04***	$2,620.00	***TA20-010-16-4X***	$3,040.00	1000	115VAC/60Hz	31
TA20-010-48D-12	$3,326.00	***TA20-010-48D-04***	$3,357.00	***TA20-010-48D-4X***	$3,776.00		48VDC	30
Note: * Voltage variation no greater than ± 10% from nameplate rating and Frequency variation no greater than ± 3Hz from nameplate rating.								

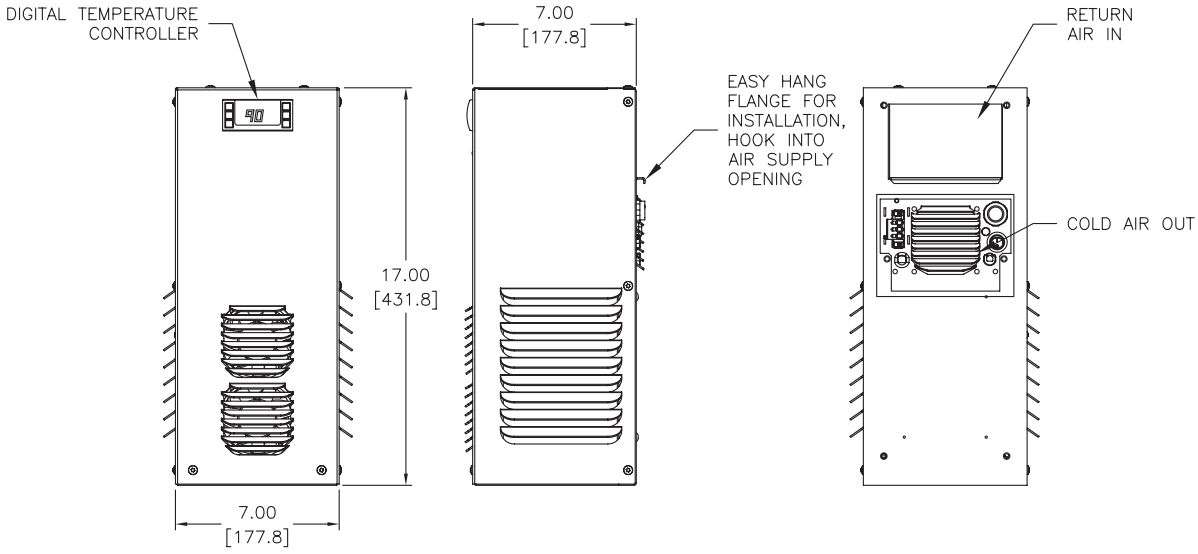
TA20 Series Enclosure Compact Air Conditioners, Frame Size TA20-0

Air Conditioner Performance Curves



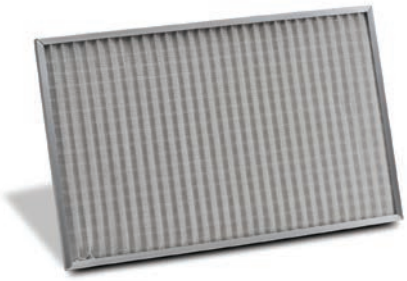


Dimensions



Air Conditioners Filters

Replacement Filters



TA10-FILTER-3

TA20-FILTER-1

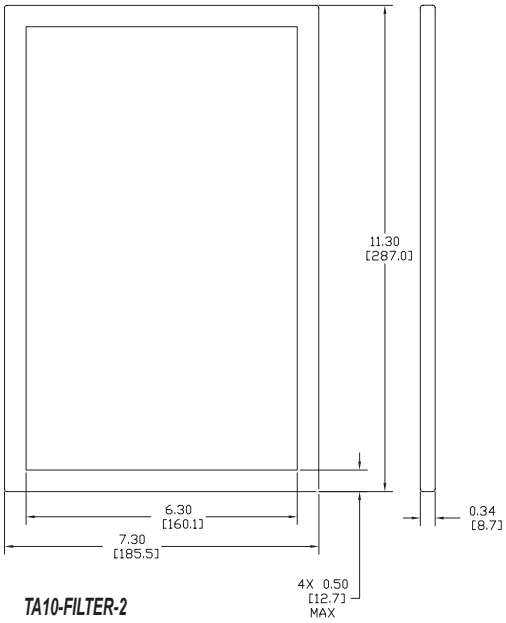
Replacement filters are identical to the original filters supplied with the air conditioners. Clean/replace the filter regularly to keep the air conditioner working at its highest efficiency.

Features

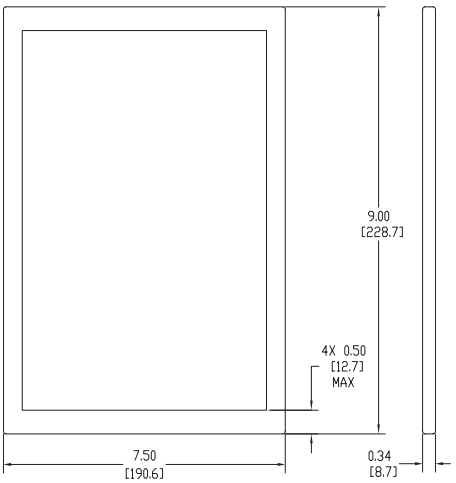
- 250 micron expanded aluminum filter element
- 60% filter efficiency
- Washable and reusable

Air Conditioner Filters			
Part Number	**Price**	**Description**	**Frame Size**
TA10-FILTER-1	$22.00	Replacement filter for TA10 series air conditioning units, 1000 to 1500 BTU/H	TA10-1
TA10-FILTER-2	$23.50	Replacement filter for TA10 series air conditioning units, 2000 to 4000 BTU/H	TA10-2
TA10-FILTER-3	$27.00	Replacement filter for TA10 series air conditioning units, 5000 to 6000 BTU/H	TA10-3
TA20-FILTER-1	$28.00	Replacement filter for TA20 series air conditioning units, 2000 BTU/H	TA20-1

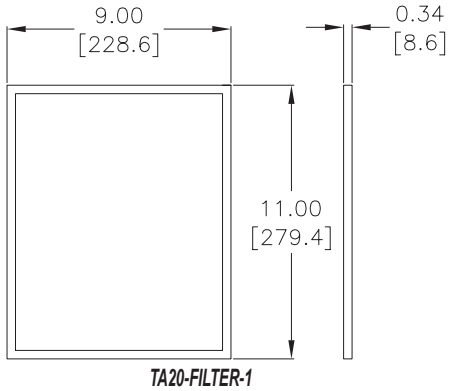
Dimensions



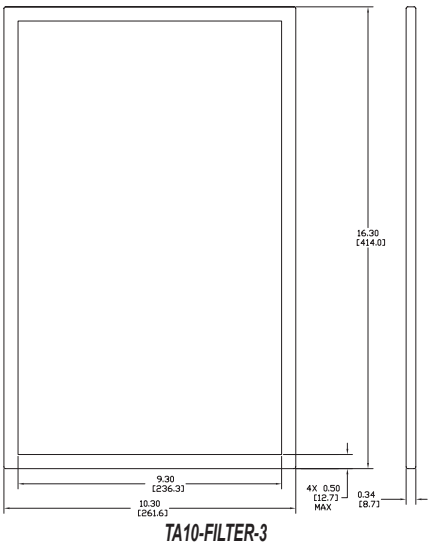
TA10-FILTER-2



TA10-FILTER-1



TA20-FILTER-1



TA10-FILTER-3

2.0in [51mm] Louvered Frame and Filter Kits

TA20-LVFL-1-4X

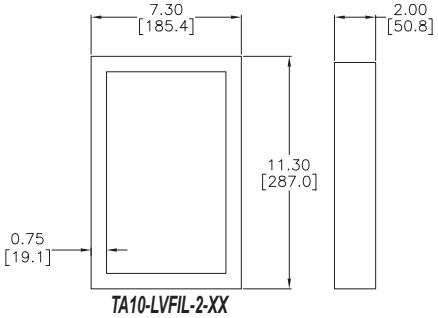
2.0in [51mm] louvered frame and filter kits are ideal in food processing or dirty environments where filter maintenance is crucial. Stratus offers extended surface, 2.0in [51mm] deep filter and sliding filter frame assemblies. In wash-down applications, stainless steel filters are preferred over aluminum filters.

Features

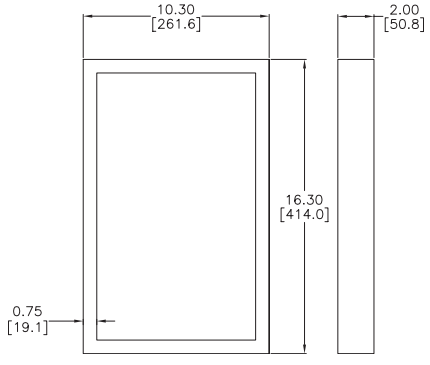
- 2in louvered frame and filter kit
- 250 micron stainless steel mesh filter
- 97% efficiency extends filter capacity 400%
- Washable and reusable
- Deep filter frames easily retrofitted on existing units with standard filters using the same mounting hole and screws on your unit

Air Conditioner Filters			
Part Number	***Price***	***Description***	***Frame Size***
TA10-LVFIL-2-04	$438.00	Stratus louvered filter frame assembly, carbon steel, ANSI 61 gray finish, with filter, washable, 2in filter depth, 250 micron stainless steel mesh, 97% filter efficiency. For use with 2000-4000 BTU/H TA10 series enclosure air conditioners on NEMA 4 or NEMA 12 enclosures.	TA10-2
TA10-LVFIL-3-04	$465.00	Stratus louvered filter frame assembly, carbon steel, ANSI 61 gray finish, with filter, washable, 2in filter depth, 250 micron stainless steel mesh, 97% filter efficiency. For use with 5000-6000 BTU/H TA10 series enclosure air conditioners on NEMA 4 or NEMA 12 enclosures.	TA10-3
TA10-LVFIL-2-4X	$498.00	Stratus louvered filter frame assembly, 304 stainless steel, with filter, washable, 2in filter depth, 250 micron stainless steel mesh, 97% filter efficiency. For use with 2000-4000 BTU/H TA10 series enclosure air conditioners on NEMA 4X enclosures.	TA10-2
TA10-LVFIL-3-4X	$532.00	Stratus louvered filter frame assembly, 304 stainless steel, with filter, washable, 2in filter depth, 250 micron stainless steel mesh, 97% filter efficiency. For use with 5000-6000 BTU/H TA10 series enclosure air conditioners on NEMA 4X enclosures.	TA10-3
TA20-LVFIL-1-04	$341.00	Stratus louvered filter frame assembly, carbon steel, ANSI 61 gray finish, with filter, washable, 2in filter depth, 250 micron stainless steel mesh, 97% filter efficiency. For use with 2000 BTU/H TA20 series enclosure air conditioners on NEMA 4 or NEMA 12 enclosures.	TA20-1
TA20-LVFIL-1-4X	$439.00	Stratus louvered filter frame assembly, 304 stainless steel, with filter, washable, 2in filter depth, 250 micron stainless steel mesh, 97% filter efficiency. For use with 2000 BTU/H TA20 series enclosure air conditioners on NEMA 4X enclosures.	TA20-1

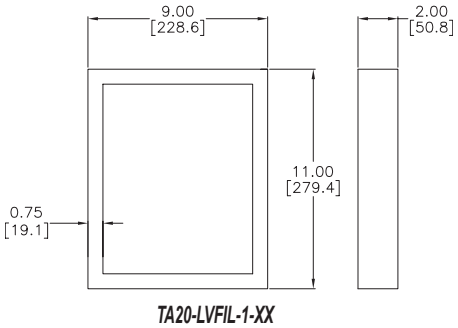
Dimensions



TA10-LVFIL-2-XX



TA10-LVFIL-3-XX



TA20-LVFIL-1-XX