

Eaton Telescopic Chimney

For use with S-Series Enclosures



The Eaton Telescopic Chimney (TC) is a passive straight duct designed to channel the rear heat exhaust from the S-Series enclosures. The TC channels the hot exhaust from the rear of the unit to the return plenum, increasing cooling efficiencies in the white space.

The chimney prevents the remixing of hot exhaust with cool air intake and prevents the recirculation of hot exhaust to the server or network equipment. This chimney eliminates your hot aisle and keeps your equipment from polluting your surrounding infrastructure with heat exhaust.

Features

- **Range of height options:** The TC is available in a range of height options to accommodate most data center ceiling heights. The chimney also offers infinite adjustability within the range of options.
- **Low maintenance:** The TC does not contain electrical fans that would need monitoring or maintenance.

Benefits

- **Increased efficiency:** The TC is capable of channeling up to 30kW of heat exhaust to the return plenum. This prevents hot spots, recirculation and remixing of hot exhaust and cool air intake, thus maximizing cooling efficiencies. If the return plenum exhaust is ducted back to the CRAC units, CRAC efficiency is increased as well.
- **Ease of installation:** The TC can be installed in less than 30 minutes. The TC attaches to the enclosure with eight fasteners and the height is adjusted and locked in place with four fasteners.
- **Elimination of hot aisle:** By isolating the hot air exhaust in the chimney, the hot aisle has been eliminated; creating a more comfortable workspace for data center personnel.



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Telescopic Chimney Attributes

- **Construction:** 20G sheet steel
- **Finish:** Black
- **Compatibility:** Eaton S-Series Enclosures

Configuration Notes

* Depth of enclosures includes front and rear doors

** ETN_ENCXXXXXXS configurations include:

- 75% perforated high flow front door
- Telescopic Chimney top panel
- Solid split rear door
- 19" EIA square hole rails
- Divider panel with cable pass thru
- Casters
- PDU Brackets
- Black finish

*** ETN-ENCXXXXXXSB configurations include:

- 75% perforated high front door
- Telescopic Chimney top panel
- Solid split rear door
- 19" EIA square hole rails
- Two solid side panels
- Casters
- PDU brackets
- Black finish

TELESCOPIC CHIMNEY OPTIONS

Item Number	Height Adjustment (in.)	Width (in.)	Depth (in.)	Weight (lbs.)	Finish
ETN-EXTTC1219	12-19	23	19.5	30	Black
ETN-EXTTC1728	17-28	23	19.5	39	Black
ETN-EXTTC2645	26-45	23	19.5	56	Black
ETN-EXTTC4376	43-76	23	19.5	87	Black

S-SERIES ENCLOSURE CONFIGURATIONS

Item Number	Configuration	Height (RU)	Height (in.)	Width (in.)	Depth (in.)*	Weight (lbs.)
ETN-EXC422442S**	(1) Divider Panel	42	81	24	42	322
ETN-EXC422442SB***	(2) Solid finish side panels	42	81	24	42	320
ETN-EXC422448S	(1) Divider Panel	42	81	24	48	330
ETN-EXC422448SB	(2) Solid finish side panels	42	81	24	48	335
ETN-EXC423042S	(1) Divider Panel	42	81	30	42	325
ETN-EXC423042SB	(2) Solid finish side panels	42	81	30	42	330
ETN-EXC423048S	(1) Divider Panel	42	81	30	48	335
ETN-EXC423048SB	(2) Solid finish side panels	42	81	30	48	340



Chimney extensions range from 12"H to 76"H to accommodate varying data center ceiling heights. Model ETN-EXTTC4376 shown here.

Rear view of the Telescopic Chimney mounted on an S-Series Enclosure with solid rear doors. Models shown here: ETN-ETC423048SB (enclosure) with ETN-EXTTC4376 (chimney).

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 Publication No. SA160005EN
 December 2013