

TURNING AIR INTO SOLUTIONS.

Fan & Blower

Twin City



CEILING & INLINE/CABINET VENTILATORS

T-Series | TL-Series

CATALOG 4600
March 2018

CEILING & INLINE VENTILATORS

Overview

T | TL



T-Series Ventilators

Twin City Fan & Blower's T-Series Ceiling and TL-Series Inline/Cabinet Ventilators are designed for commercial applications requiring quiet, continuous, reliable operation. Exhausters are constructed with a low profile grille and are easy to duct horizontally, vertically or inline, with many models offering round duct connectors as standard.

Typical Applications Include

Bathroom Exhaust, Attic Ventilation, HVAC, Home Ventilation

Configurations

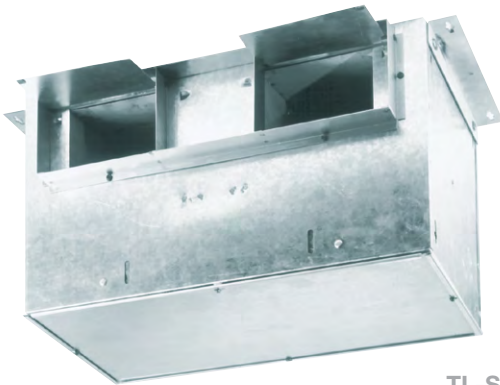
Ceiling or Wall Mount; Horizontal, Vertical or Inline Mount

Wheel Type

Centrifugal Blower

Certifications

AMCA Sound and Air, HVI and Energy Star, and UL/cUL 705 Listed for Electrical



TL-Series Ventilators



HVI-2100 Certified Ratings comply with new testing technologies and procedures prescribed by the Home Ventilating Institute, for off-the-shelf products, as they are available to consumers. Product performance is rated at 0.1 in. static pressure, based on tests conducted in a state-of-the-art test laboratory. Sones are a measure of humanly-perceived loudness, based on laboratory measurements.



Twin City Fan & Blower certifies that the T080E, T110E, T080LP, T110 and T150LP are HVI and Energy Star certified.



Twin City Fan & Blower certifies that the T Ceiling and TL Inline/Cabinet Ventilators shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

The AMCA Certified Ratings Seal applies to air and sound performance for all Model T and TL fans shown with exception of the T080LP, T110 and T150LP.



All models



For complete product performance, drawings and available accessories, download Fan Selector at tcf.com.

CEILING & INLINE VENTILATORS

Overview

T | TL

Features

Grille

- Conceals interior
- Low profile styling blends with any decor

Blower

- Low RPM for quiet operation
- Resilient anti-vibration mounts
- Designed for continuous operation
- Dynamically-balanced, polymeric centrifugal blower wheel for quiet, efficient performance (T2000L and T3500EXL furnished with metal wheel)
- Permanently lubricated, thermally protected motor
- Plug-in motor rated at 120V AC, 60 Hz, single phase, ODP. T3500EXL motor is rated at 240V. For other 240V units contact factory

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Model T

Airflow to 1,590 CFM
Static pressure to 1" w.g.



Model TL

Airflow to 3,868 CFM
Static pressure to 1" w.g.



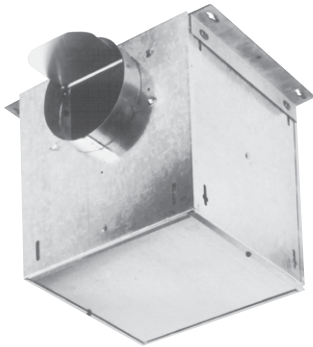
Bathroom Application, Model T

Commercial Fans

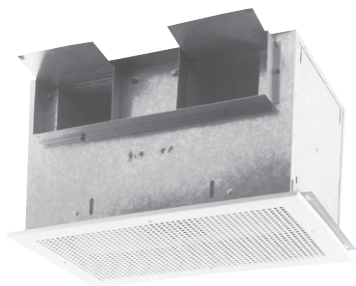
T I TL



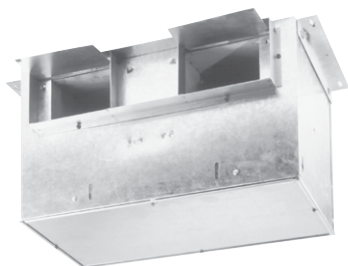
Model T200



Model T100L



Model T400



Model T400L

Models T100-T300 & Models T100L-T300L

- 20 gauge galvanized steel housing
- 6" round duct connector sizes T100 and T150
- 8" round duct connector sizes T200, T250 and T300
- Built-in backdraft damper
- ½" acoustic insulation inside (inline models do not include insulation)
- May be installed in ceiling or wall, horizontally, vertically or inline
- 8-position mounting brackets for easy installation and greater adaptability to various mounting requirements
- Ceiling mount UL listed for use over bathtubs and showers when connected to a GFCI-protected branch circuit
- Inline models have a removable panel to allow easy access to the motor without disturbing ductwork
- Single impact resistant centrifugal blower wheel
- White polymeric grille (Model T only), metal as an option

Models T400-T700 & Models T400L-T700L

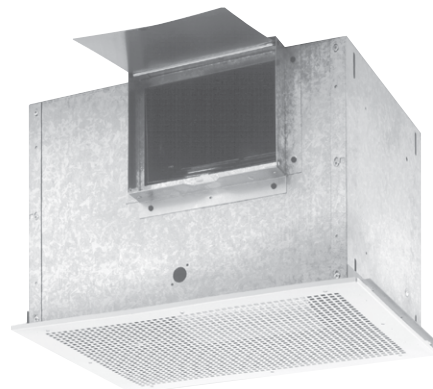
- 20 gauge galvanized steel housing
- 4½" x 18½" duct connector with built-in automatic backdraft damper
- ½" acoustic insulation inside (inline models do not include insulation)
- May be installed in ceiling or wall, horizontally, vertically or inline
- Painted white enamel steel grille (Model T only)
- Two impact-resistant centrifugal blower wheels
- 8-position mounting brackets for easy installation and greater adaptability to various mounting requirements
- Inline models have a removable panel to allow easy access to the motor without disturbing ductwork

Commercial Fans

T | TL

Models T900-T1500 & T900L-T1500L

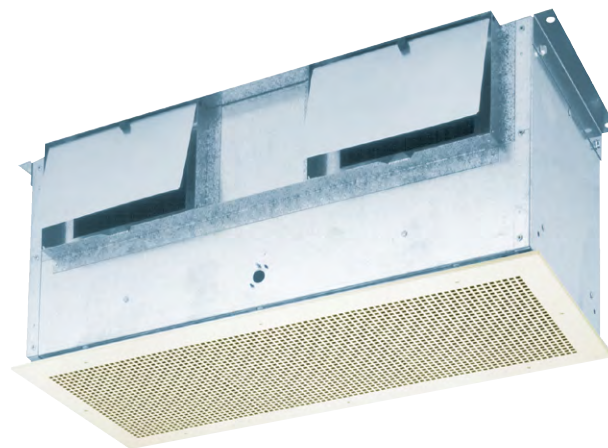
- 20 gauge galvanized steel housing
- 8" x 12" duct connector with built-in backdraft damper
- 1/2" acoustic insulation inside (inline models do not include insulation)
- May be installed in ceiling or wall, horizontally, vertically or inline
- 8-position mounting brackets for easy installation and greater adaptability to various mounting requirements
- Painted white enamel steel grille (Model T only)
- Single impact-resistant centrifugal blower wheel
- Inline models have a removable panel to allow easy access to the motor without disturbing ductwork



Model T900-T1500

Models T2000L & T3500EXL

- 20 gauge galvanized steel
- May be installed in ceiling or wall
- 8-position mounting brackets for easy installation and greater adaptability to various mounting requirements
- Factory-shipped in straight-through discharge position — may be converted to right angle discharge
- T2000L fits 7³/₄" x 33³/₄" ducts
- T3500EXL fits 9³/₄" x 41³/₈" ducts
- Designed for continuous operation
- Two metal centrifugal blower wheels



Model T2000L
(Shown With Optional Grill)

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Bath Fans

T I TL



Model T050



Model T080E

Fan & Blower
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- Durable fan and blower assemblies encased in sturdy steel housings
- Permanently lubricated motors drive specially designed blowers, quietly delivering high exhaust performance
- Durable dampers prevent cold backdrafts with no metallic clatter
- Built-in mounting ears for quick, sturdy installation
- Polymeric duct connectors feature long, tapered sleeves for easier, positive ducting
- UL listed for use over bathtubs and showers when connected to a GFCI-protected branch circuit
- Plug-in, permanently lubricated motor
- Centrifugal blower wheel
- Torsion spring grille mounting – no tools necessary
- Designer styled white polymeric grille blends well with any decor
- Metal grille kits available

Model T050

- Compact, galvanized steel housing – attaches easily to wall or ceiling joists
- Double strength mounting flanges with keyhole slots
- Removable wiring cover – make connections away from tight corners
- No electrical knockout to remove
- Polymeric duct fitting with tapered sleeve for easy, positive duct connection
- Quiet polymeric damper prevents cold backdrafts with no metallic clatter
- Compact housing fits easily between wall studs
- Double strength steel mounting flanges with keyhole slots for fast, sturdy installation 3" round duct connector

Model T080E & T110E

- 6" round duct connector
- Built-in backdraft damper
- Ceiling mount UL listed for use over bathtubs and showers when connected to GFCI-protected branch circuit
- HVI certified
- High tech multi-speed EC motor
- Telescoping mounting frame for quick and easy installation

Bath Fans

T | TL

Model T080LP

- 4" oval duct
- Built-in backdraft damper
- 4" height
- Ceiling mount UL listed for use over bathtubs and showers when connected to GFCI-protected branch circuit
- HVI certified

Model T081

- Rugged steel housing
- Impact-resistant centrifugal blower wheel and 4-pole motor for high capacity at low sound levels
- Sturdy key-holed mounting brackets for quick, accurate and sturdy installation
- Tapered, polymeric duct fitting for easy, positive duct connection and no metallic clatter
- 4" round duct connector

Model T110

- 4" oval duct
- Built-in backdraft damper
- Ceiling mount UL listed for use over bathtubs and showers when connected to GFCI-protected branch circuit
- HVI certified

Models T150LP

- 6" oval duct
- Built-in backdraft damper
- 4" height
- Ceiling mount UL listed for use over bathtubs and showers when connected to GFCI-protected branch circuit
- HVI certified



Model T080LP



Model T081



Model T110



Model T150LP

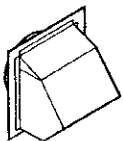
PRODUCT ACCESSORIES



	FAN MODEL	SPEED CONTROL	BACK-DRAFT DAMPER	RAD-IATION DAMPER	METAL GRILLE	ROOF CAP				WALL CAP		VIBRATION HANGERS	INLINE ADAPTER	TRAN-SITION-SQUARE TO ROUND	TIMER		SWITCH ON/OFF 115V	FAN/LIGHT CONTROL W/ OFF-DELAY									
						SLOPED		FLAT (ALUMINUM)		ALUM.	STEEL W/ LOUVERS				15-MINUTE 115/230V	60-MINUTE 115/230V											
						STEEL	ALUM	FLASHED	CURB MTD.																		
CEILING MOUNT	T050	57W	STD	N/A	97011308	636P				642	N/A	N/A	N/A	61W	59W	69W	64W										
	T080E																	641									
	T080LP			N/A	N/A	634M	N/A	N/A	N/A									641									
	T081			N/A	636P	N/A				642																	
	T100			RDM1	MMG	636P	N/A											642									
	T110			RD1	MG1	634M	644	611	611CM	641								V104	961L								
	T110E			RDM1	MMG	636P	636AL			642								N/A	N/A								
	T150LP			RDFUWT	N/A	634M	N/A	N/A	N/A	641																	
	T150			N/A	634P					641																	
	T200				634M					641									961L								
	T250			RD1	MG1	634P	644	611	611CM	643								V104	981L								
	T300																		982L	423							
	T400			RD2		437	N/A	612	612CM	613									441	982L	423						
	T500																										
	T700																										
T900																											
T1500	72W		RD3		N/A					N/A		983L	T81212				N/A										
INLINE	T100L	57W	STD	N/A	N/A	634M				641	N/A	V104	N/A	61W	59W	69W	64W										
	T150L									641																	
	T200L						644	611	611CM	643																	
	T250L						634P			643																	
	T300L						437			441																	
	T400L									441																	
	T500L							612	612CM	613																	
	T700L									613																	
	T900L									613																	
	T1500L					72W												N/A			T81212						
	T2000L					D100		G102	N/A													N/A					
	T3500EXL					75V	D101	G103		N/A								N/A	N/A				N/A				

N/A = Not Available

Wall Caps



Models 613, 641, 642, 643

Model 613

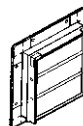
- Aluminum natural finish
- Built-in backdraft damper and birdscreen
- For 12" round duct

Model 641

- Same as Model 613 except for 6" round duct

Model 642

- Same as Model 613 except for 3-4" round duct and no birdscreen



Model 643

- Same as Model 613 except for 8" round duct and no bird screen

Model 441

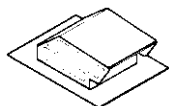
- Steel with aluminum louvers
- Collar with bird screen for attaching 10" round duct



Roof Caps

Model 634M

- For 3¼" x 10" or up to 6" round duct
- Built-in backdraft damper and birdscreen
- Steel housing, black electrically-bonded epoxy finish



Models
634M, 634P,
636P, 644

Model 634P

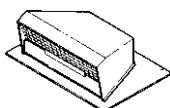
- Same as Model 634M except for 8" round duct

Model 644

- Same as Model 634M except aluminum natural finish, and for up to 8" round duct

Model 636P

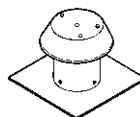
- Same as Model 634M except for 3" or 4" round duct



Model 437

Model 437

- High-capacity design – up to 1200 CFM
- Built-in bird screen
- Steel housing, black electrically-bonded epoxy finish
- For up to 10" round duct



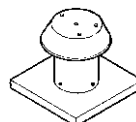
Models
611 & 612

Model 611

- For flat roof installation
- Aluminum natural finish
- For up to 8" round duct
- Birdscreen

Model 612

- For flat roof installation
- Aluminum natural finish
- For up to 12" round duct
- Birdscreen



Models
611CM &
612CM

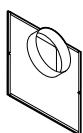
Model 611CM

- For curb mount installation
- Other features same as Model 611

Model 612CM

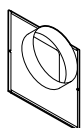
- For curb mount installation
- Other features same as Model 612

Inline Adapters



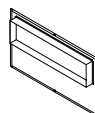
Model 961L

- Galvanized steel
- 6" round duct intake
- Mounting hard-ware included



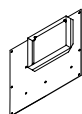
Model 981L

- Galvanized steel
- 8" round duct intake
- Mounting hard-ware included



Model 982L

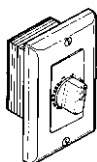
- Galvanized steel
- 4½" x 18½" duct intake
- Mounting hard-ware included



Model 983L

- Galvanized steel
- 8" x 12" duct intake
- Mounting hard-ware included

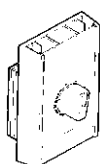
Controls



Model 57W

Model 57W Speed Control

- 120V, 3 amps
- Fits single-gang box
- Positive on/off action – dial for variable selection of air speeds and sound levels



Model 72W
75V

Models 72W, 75V Speed Control

- 120V, 6 amps – Model 72W
- 240V, 6 amps – Model 75V
- Other features same as 57W



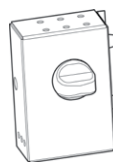
Model 59W
61W

Model 59W Time Control

- 120V, 20 amp or 240V, 10 amp capacity
- Operates continuously or for any set period up to 60 minutes

Model 61W Time Control

- Operates for any set period up to 15 minutes (no “continuous on” position)
- Other features same as 59W



Model 80L

Model 80L Speed Control - Unit Mount

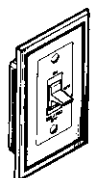
- 120V, 3 amps
- Mounts inside fan for room balancing without risk of tampering, access through grille (T) or access panel (TL)



Model 69W

Model 69W On/Off Switch

- 120VAC, 15 amp
- Fits single gang box

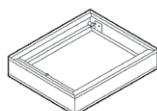


Model 64W

Model 64W Fan/Light Control with Off-Delay

- Fan and light operate together when control is turned on. Fan continues to operate for a user-adjustable time period 5-60 minutes after light is turned off
- Fits single-gang box
- Center position bypasses timer and turns fan and light off immediately
- 120V, 4 amps (fan), 4 amps (light)
- Requires hot and neutral wires in the switch box

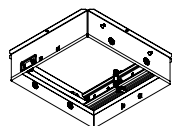
Radiation Dampers



Model RD1

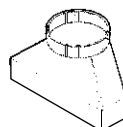
Models RD1, RDM1, RD2, RD3

- UL rated for use in 1, 2 or 3 hour fire-rated ceilings
- Galvanized steel frame
- High temperature, non-asbestos, reinforced fiber thermal fabric
- 212°F fusible link
- Stainless steel negator-type closure spring



Model RDM1

Duct Transitions



Models 423, T81212

- Galvanized steel
- Allows for quick transition to easy-to-obtain-and-install round ducting
- Model 423 – 4½" x 18½" to 10" round
- Model T81212 – 8" x 12" to 12" round

Metal Grille Kit

Model MG1, MMG, 97011308, G102, G103

- White enamel painted steel

Damper Kits

Models D100, 101

- Not illustrated
- Twin damper flaps and mounting hardware
- Foam cushion and magnetic catch assure quiet, effective backdraft prevention

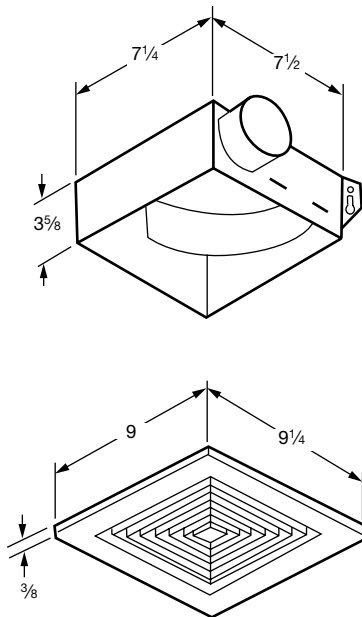
Vibration Dampening Hangers

Model V104

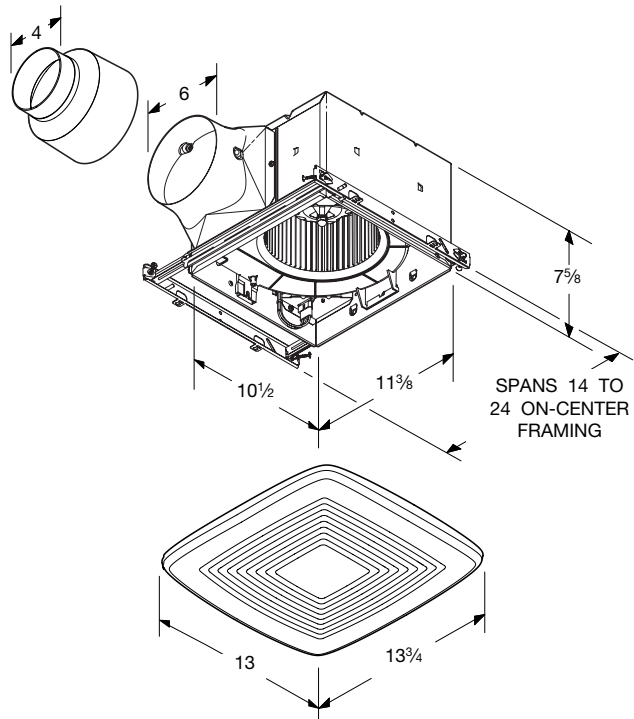
- Not illustrated
- Heavy gauge steel construction with vibration dampening cushion
- Maximum load 75 lbs. (each)
- For ¾" diameter threaded rod (provided by installer)

DIMENSIONAL DATA

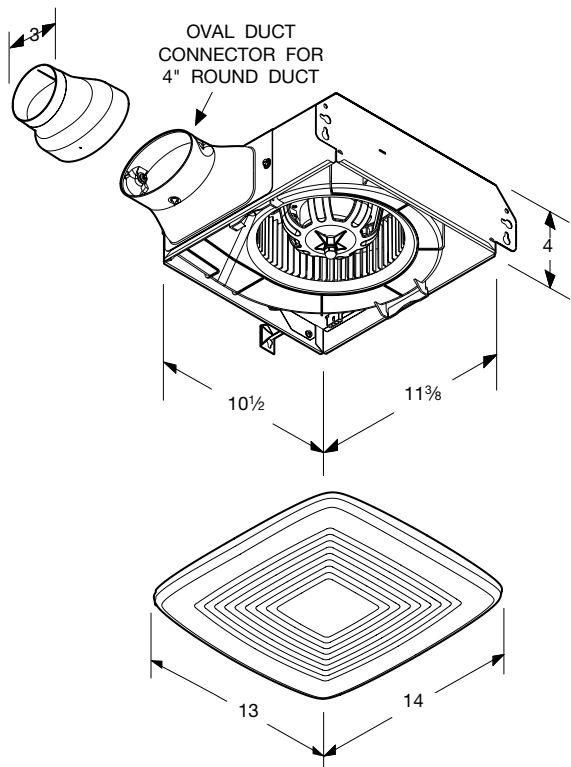
Model T050



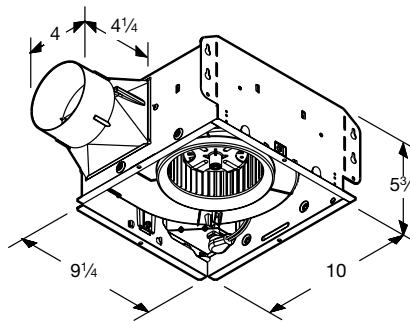
Models T080E & T110E



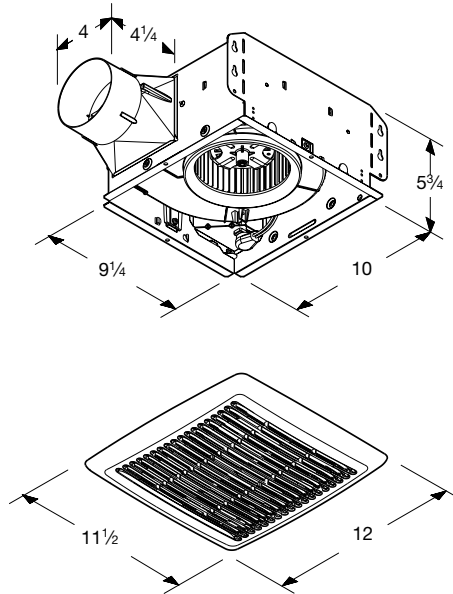
Model T080LP



Model T081

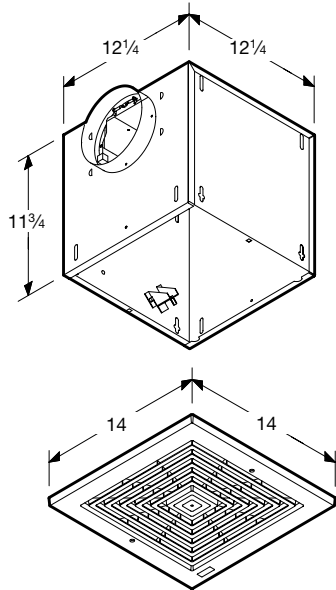


Model T110



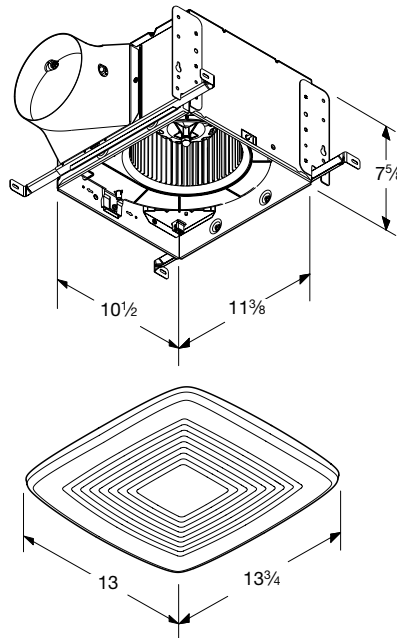
DIMENSIONAL DATA

Models T100-T300
& T100L-T300L*

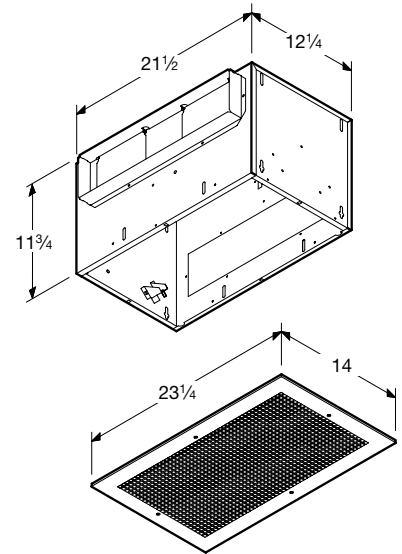


*Panel replaces grille on inline models.

Model T150LP

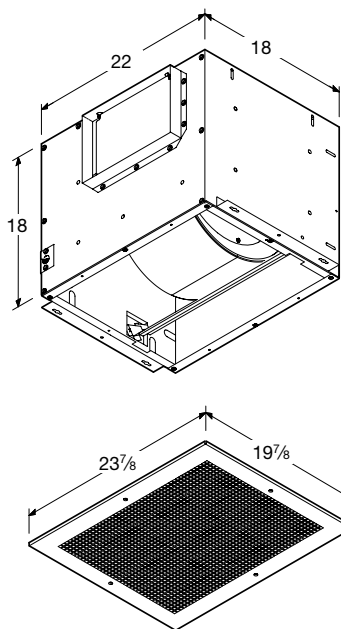


Models T400-T700
& T400L-T700L*



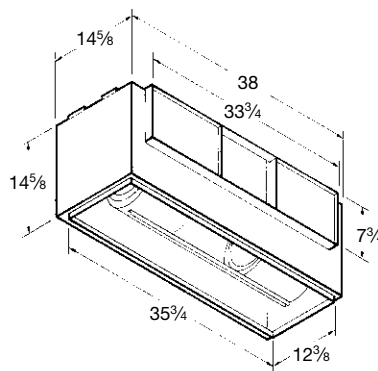
*Panel replaces grille on inline models.

Models T900 & T1500
and T900L & T1500L*

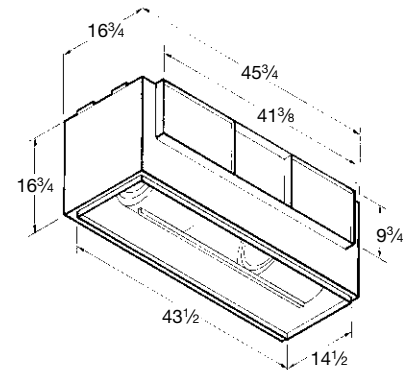


*Panel replaces grille on inline models.

Model T2000L



Model T3500L



Ceiling Mount

Ceiling Models – Horizontally Mounted

MODEL NO.	PART NO.	RPM	AMPS @ 60HZ	WATTS	CFM/SONES										
					STATIC PRESSURES (IN. W.G.)										
					0"	1/10"	1/8"	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"	
T050	59120001	1870	-	48	52 3.9	49 4.3	47 4.4	42 4.6	29 5.5						
T080E	59120011	935	0.3	6.1	80 <0.3	80 <0.3	80 0.6	78 1.4	66 2.2	38 3.0					
T080LP*	59120004	743	0.3	25	91 -	80 1.0	76 -	61 -	49 -	35 -	17 -				
T081	59120003	840	0.3	26.9	87 1.0	76 1.5	72 1.5	56 2.5	38 3.0						
T100	59120101	640	1.1	87	136 0.5	115 0.8	109 0.9	93 1.3	80 1.8	65 2.3	44 3.0	12 3.2			
T110E	59120012	940	0.3	8.4	110 <0.3	110 <0.3	109 1.4	100 2.3	62 3.0	28 3.6					
T110*	59120111	1137	0.4	47.3	122 -	110 3.0	109 -	102 -	75 -	31 -					
T150LP*	59120005	708	0.5	42.8	170 -	150 1.4	145 -	120 -	99 -	74 -	43 -				
T150	59120102	710	1.3	100	181 1.3	161 1.4	157 1.5	141 2.2	132 2.6	124 3.1	114 3.6	94 4.1	62 4.6		
T200	59120103	740	1.8	127	231 1.6	214 1.8	210 1.7	196 2.3	186 2.9	177 3.5	165 4.1	144 4.9	113 5.3	51 5.3	
T250	59120104	830	2.1	166	272 2.1	261 2.3	259 2.2	250 2.9	242 3.3	233 3.9	218 4.4	201 4.8	165 5.5	99 5.8	
T300	5912015	905	2.6	212	312 2.8	309 2.9	308 2.9	303 3.3	296 3.5	287 3.9	273 4.3	254 4.7	219 5.1	125 5.6	
T400	59120106	735	1.4	146	480 2.0	442 2.4	434 2.3	388 2.8	344 3.3	299 3.8	229 4.5	182 4.8	114 5.4	33 5.6	
T500	59120107	810	2.2	232	538 3.0	520 3.1	514 3.3	491 3.6	463 4.0	434 4.4	389 5.0	339 5.7	282 6.2	186 6.7	
T700	59120108	960	2.9	313	722 4.5	704 4.6	701 4.7	667 4.8	640 5.0	607 5.2	571 5.6	534 6.2	453 7.1	333 7.2	
T900	59120109	650	3	306	918 3.8	905 4.0	901 4.1	877 4.0	842 4.2	793 4.3	725 4.4	636 4.9	536 4.5	390 5.3	
T1500	59120110	955	5	468	1578 8.6	1526 8.4	1513 8.4	1438 8.1	1371 7.5	1285 7.0	1198 6.7	1103 6.2	1000 5.8	816 5.8	

* Units are HVI certified, but do not hold AMCA certification.

Ceiling Models – Vertically Mounted

MODEL NO.	PART NO.	RPM	AMPS @ 60 HZ	WATTS	CFM/SONES										
					STATIC PRESSURES (IN. W.G.)										
					0"	1/10"	1/8"	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"	
T100	59120101	650	1.1	87	138 0.7	117 0.9	112 1.0	94 1.3	80 1.8	67 2.2	46 2.8	13 3.0			
T150	59120102	750	1.3	100	179 1.4	163 1.6	160 1.6	149 2.0	142 2.5	133 3.0	122 3.3	105 3.6	73 3.9	23 4.2	
T200	59120103	760	1.8	127	224 1.5	210 1.8	207 2.0	197 2.3	187 2.7	179 3.4	167 4.0	144 4.5	99 5.1	41 5.2	
T250	59120104	860	2.1	166	269 2.3	261 2.6	259 2.7	253 3.0	248 3.3	239 3.7	224 4.2	203 4.7	171 5.4	101 5.6	
T300	59120105	940	2.6	212	319 2.6	314 2.9	313 3.0	306 3.4	299 3.6	288 3.9	274 4.4	251 4.7	219 5.0	120 5.5	
T400	59120106	755	1.4	146	467 2.3	428 2.6	416 2.6	378 3.0	335 3.5	291 4.0	237 5.1	170 5.5	85 5.7	8 5.9	
T500	59120107	865	2.2	232	539 2.9	517 3.1	512 3.2	481 3.4	451 3.8	418 4.2	367 4.8	319 5.9	247 6.3	137 6.4	
T700	59120108	985	2.9	313	708 5.2	691 5.0	687 5.0	658 5.7	628 5.8	597 6.1	560 6.4	515 7.4	444 7.1	312 7.6	
T900	59120109	650	3.0	306	909 3.8	892 3.4	885 3.4	850 3.5	807 3.6	756 3.7	695 3.9	568 4.2	440 4.3	282 4.4	
T1500	59120110	955	5.0	468	1590 8.5	1519 8.4	1502 8.4	1423 8.1	1340 7.9	1259 7.5	1176 7.2	1069 7.1	954 6.9	689 6.5	

Performance ratings include the effects of an inlet grille and backdraft damper. Speed (RPM) shown is nominal. Performance is based on actual speed of test. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type B: Free inlet hemispherical sone levels. Performance certified is for Installation Type B: Free inlet, ducted outlet.

Inline Models – Straight-Through

MODEL NO.	PART NO.	RPM	AMPS @ 60 HZ	WATTS	CFM/SONES									
					STATIC PRESSURES (IN. W.G.)									
					0"	1/10"	1/8"	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"
T100L	59120301	760	1.1	87	121 0.5	108 0.7	106 0.7	97 1.1	93 1.4	86 1.8	70 2.1	44 2.4	17 2.6	
T150L	59120302	920	1.3	100	153 0.9	148 1.0	147 1.1	140 1.4	134 1.6	125 1.9	111 2.1	91 2.2	54 2.4	18 2.6
T200L	59120303	865	1.8	127	205 1.7	196 1.9	195 1.9	190 2.1	185 2.3	175 2.4	158 3.0	135 3.3	96 3.4	47 3.4
T250L	59120304	1005	2.1	166	248 2.0	245 2.3	245 2.3	241 2.6	235 2.8	224 3.2	208 3.4	183 3.6	141 3.9	84 3.8
T300L	59120305	1145	2.6	212	300 2.9	294 3.0	293 3.1	285 3.3	274 3.4	259 3.5	243 3.6	214 3.7	168 4.0	113 3.9
T400L	59120306	775	1.4	146	450 1.4	415 1.6	406 1.6	360 1.9	313 2.2	271 2.6	223 2.9	167 3.4	90 3.6	6.0 3.9
T500L	59120307	890	2.2	232	546 2.4	526 2.4	519 3.4	496 3.7	472 3.9	447 3.8	407 3.9	364 4.0	306 4.3	232 4.3
T700L	59120308	1090	2.9	313	704 3.6	686 3.8	681 3.7	656 3.9	631 4.0	604 4.2	575 4.3	533 4.4	480 4.7	412 5.0
T900L	59120309	810	3.0	306	930 3.7	902 3.8	894 3.8	853 3.8	807 3.7	754 3.8	685 3.9	587 4.0	442 4.0	300 4.1
T1500L	59120310	1055	5.0	468	1275 6.8	1228 6.8	1214 6.7	1152 6.5	1092 6.3	1029 6.0	958 6.0	871 6.0	764 6.0	631 6.1
T2000L	59120311	965	5.8	590	1891 10.3	1803 9.8	1791 9.4	1657 9.0	1508 8.6	1347 9.1	1165 8.9	808 7.0	284 6.7	
T3500EXL	59120701	1105	5.4	1204	3605 15.3	3498 14.8	3452 14.5	3278 14.1	3073 13.1	2893 12.8	2679 12.1	2429 11.8	2093 11.9	1693 10.8

Inline Models – Right Angle

MODEL NO.	PART NO.	RPM	AMPS @ 60 HZ	WATTS	CFM/SONES									
					STATIC PRESSURES (IN. W.G.)									
					0"	1/10"	1/8"	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"
T100L	59120301	780	1.1	87	109 0.5	98 0.8	96 0.8	88 1.2	82 1.6	78 2.0	67 2.3	48 2.5	16 2.8	
T150L	59120302	950	1.3	100	144 1.2	138 1.4	137 1.4	131 1.6	123 1.9	114 2.1	102 2.4	83 2.5	54 2.7	17 2.9
T200L	59120303	930	1.8	127	183 1.6	177 1.6	176 1.6	170 1.9	163 2.3	152 2.7	137 2.9	121 3.1	96 3.4	51 3.6
T250L	59120304	1115	2.1	166	229 2.4	224 2.5	222 2.6	214 2.8	204 3.0	193 3.2	177 3.4	157 3.7	132 3.8	95 3.8
T300L	59120305	1285	2.6	212	270 3.7	261 3.7	259 3.7	248 3.7	234 3.9	220 3.9	200 4.0	174 4.2	146 4.4	104 4.0
T400L	59120306	875	1.4	146	442 1.6	415 1.7	408 1.7	372 2.0	336 2.4	296 2.6	239 3.1	193 3.4	111 3.9	28 4.1
T500L	59120307	990	2.2	232	528 2.9	516 3.8	513 3.4	494 3.7	470 3.5	446 3.6	415 3.9	389 4.0	334 4.2	247 4.4
T700L	59120308	1205	2.9	313	680 5.0	667 5.0	663 5.0	644 5.3	621 5.2	594 5.1	557 5.3	513 5.5	440 5.4	342 5.5
T900L	59120309	755	3.0	306	795 4.3	778 4.5	772 4.4	743 4.6	709 4.4	668 4.2	613 4.1	527 4.3	432 4.2	291 4.3
T1500L	59120310	1020	5.0	468	1160 7.9	1117 7.8	1106 7.9	1051 7.4	998 7.1	928 6.8	856 6.3	769 5.9	657 5.4	499 5.4
T2000L	59120311	1020	5.8	635	2070 11.1	1931 10.3	1898 10.1	1769 9.7	1609 9.4	1424 9.2	1314 8.5	795 7.0	288 6.7	
T3500EXL	59120701	1110	5.4	1205	3868 14.6	3714 14.2	3696 14.2	3537 13.3	3356 12.8	3168 12.5	2951 11.6	2671 11.4	2384 11.4	2005 13.4

T100L through T1500L

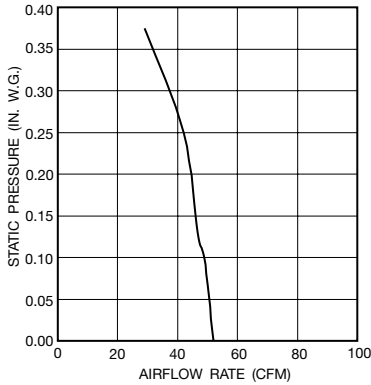
Performance ratings include the effects of a backdraft damper. Speed (RPM) shown is nominal. Performance is based on actual speed of test. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type D: Ducted inlet hemispherical sone levels. Ratings do not include the effect of duct end correction. Performance ratings include the effects of 18 feet of round inlet duct and, if needed, a rectangular-to-round duct transition in the airstream. Performance certified is for Installation Type D: Ducted inlet, ducted outlet.

T2000L and T3500EXL

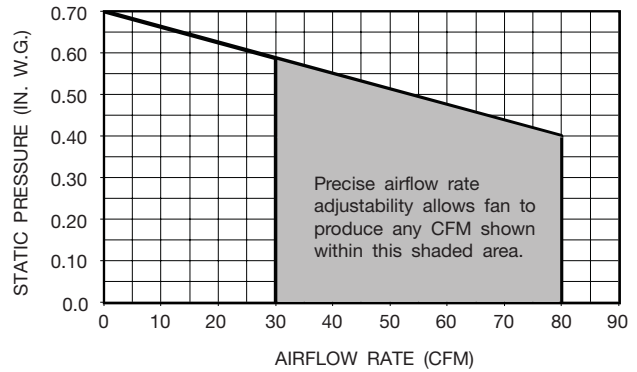
Performance ratings do not include the effects of appurtenances (accessories). Speed (RPM) shown is nominal. Performance is based on actual speed of test. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5 m) in a hemispherical free field calculated per AMCA Standard 301. Values shown are for Installation Type D: Ducted inlet hemispherical sone levels. Ratings do not include the effect of duct end correction. Performance certified is for Installation Type D: Ducted inlet, ducted outlet.

Ceiling Mount

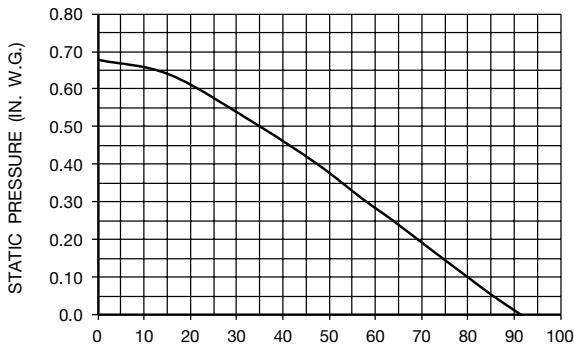
Model T050



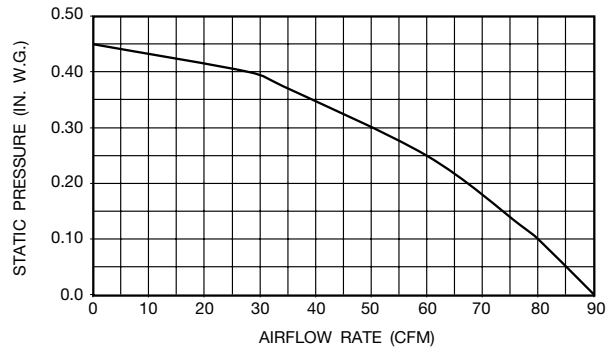
Model T080E



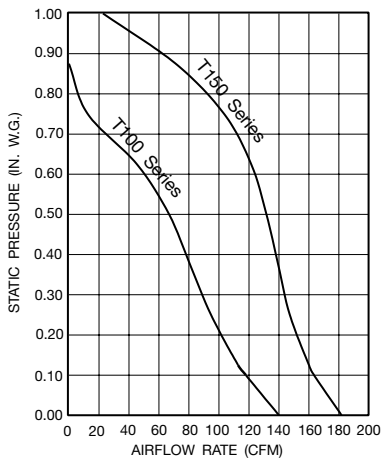
Model T080LP



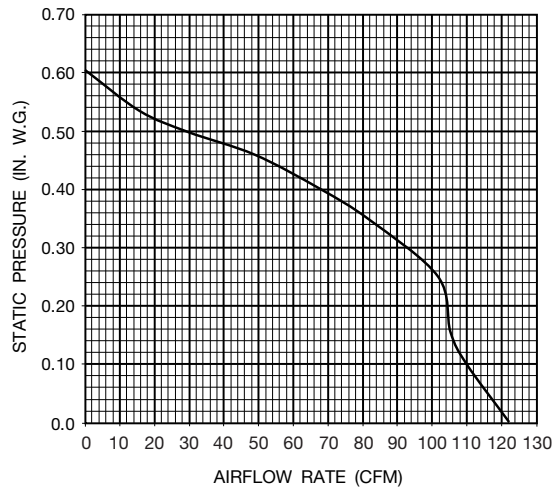
Model T081



T100, T150 Series



Model T110

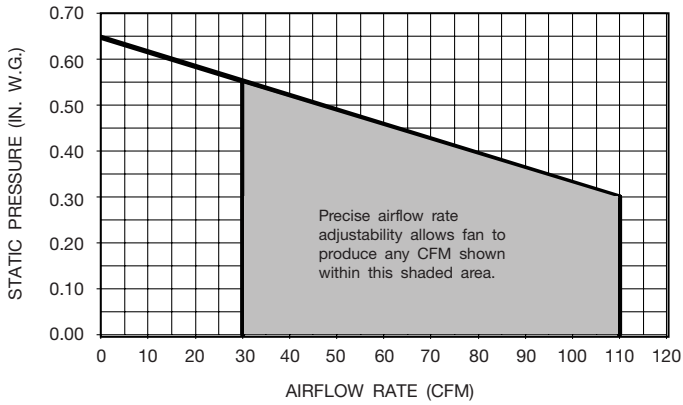


Notes:

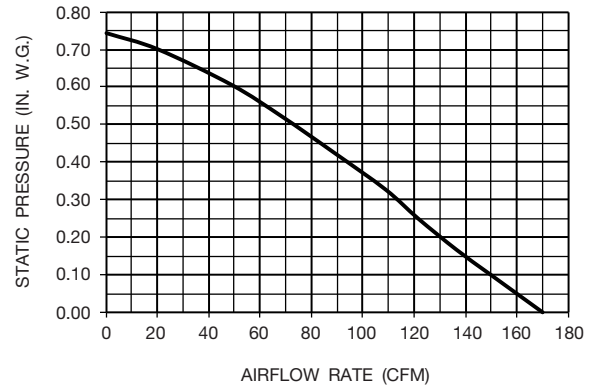
Performance certified is for Installation Type D: Ducted inlet, ducted outlet.
Performance ratings include the effects of a backdraft damper.

Ceiling Mount

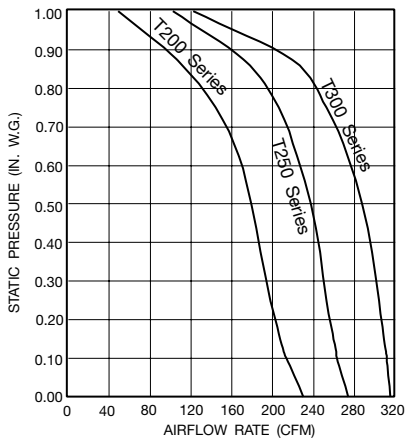
Model T110E



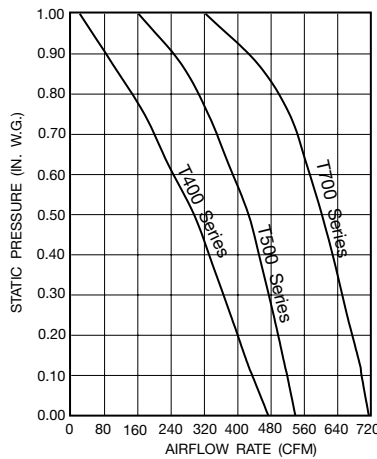
Model T150LP



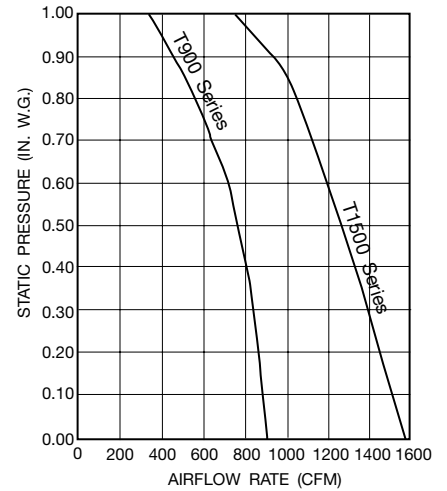
T200, T250, T300 Series



T400, T600, T700 Series



T900, T1500 Series



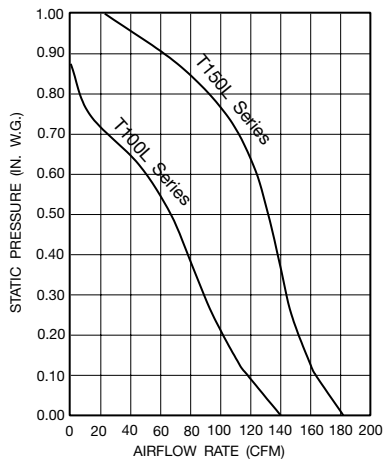
Notes:

Performance certified is for Installation Type D: Ducted inlet, ducted outlet.
Performance ratings include the effects of a backdraft damper.

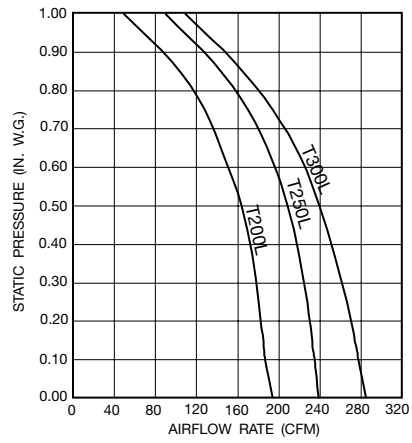


Inline

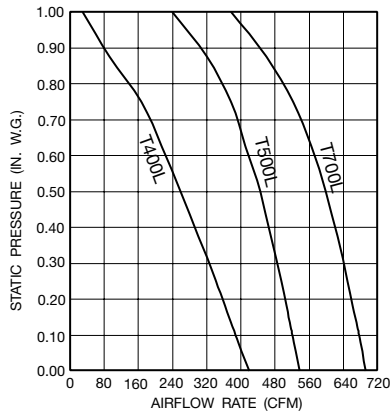
T100L, T150L Series



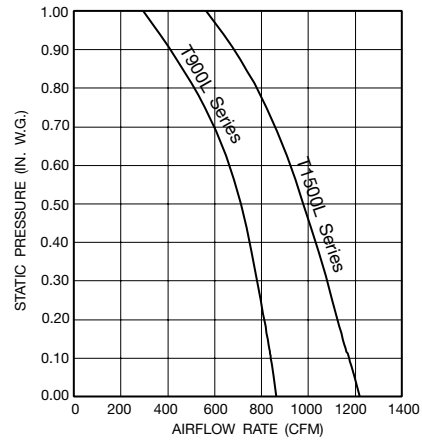
T200L, T250L, T300L Series



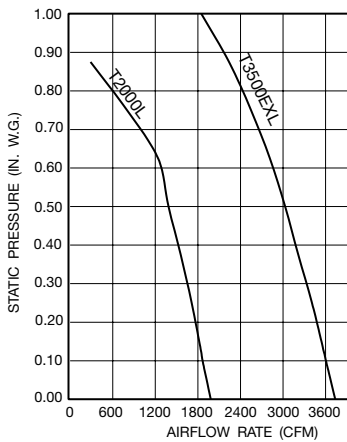
T400L, T500L, T700L Series



T900L, T1500L



T2000L, T3500EXL



Notes:

Performance certified is for Installation Type D: Ducted inlet, ducted outlet.
Performance ratings include the effects of a backdraft damper.

TYPICAL SPECIFICATIONS



Model

T

Models T050 and T081

T-Series Ventilators shall be Model T050 or T081, as manufactured by Twin City Fan & Blower, Minneapolis, Minnesota.

PERFORMANCE — Air delivery shall be no less and sound level no greater than listed. Fans shall bear the AMCA ratings seal for sound and air performance. Units shall be UL listed for use over bathtubs and showers with GFCI branch wiring.

HOUSING — Units shall have steel housing and shall be ducted to a roof or wall cap.

DAMPER — A backdraft damper shall be located within the duct connector.

MOTOR AND WHEEL ASSEMBLY — Motor assembly shall have a centrifugal blower wheel, be removable and permanently lubricated. RPM not to exceed number listed for each model.

Models T080E and T110E

T-Series Ventilators shall be Model T080E or T110E, as manufactured by Twin City Fan & Blower, Minneapolis, Minnesota.

PERFORMANCE — Air delivery shall be no less and sound level no greater than listed. Fans shall bear the AMCA ratings seal for sound and air performance. Units shall be UL listed for use over bathtubs and showers with GFCI branch wiring.

HOUSING — Units shall have steel housing and shall be ducted to a roof or wall cap.

DAMPER — A backdraft damper shall be located within the duct connector.

MOTOR AND WHEEL ASSEMBLY — Motor assembly shall have a centrifugal blower wheel, be removable and permanently lubricated. RPM not to exceed number listed for each model. The motor will be an electrically commutated motor.

Models T080LP, T110 and T150LP

T-Series Ventilators shall be Model T080LP, T110 or T150LP, as manufactured by Twin City Fan & Blower, Minneapolis, Minnesota.

PERFORMANCE — Air delivery shall be no less and sound level no greater than listed. Units shall be UL listed for use over bathtubs and showers with GFCI branch wiring.

HOUSING — Units shall have steel housing and shall be ducted to a roof or wall cap.

DAMPER — A backdraft damper shall be located within the duct connector.

MOTOR AND WHEEL ASSEMBLY — Motor assembly shall have a centrifugal blower wheel, be removable and permanently lubricated. RPM not to exceed number listed for each model.

Models T100, T150, T200, T250, T300, T400, T500, T700, T900 and T1500

T-Series Ventilators shall be of the centrifugal direct drive type, Model T100, T150, T200, T250, T300, T400, T500, T700, T900, T1500, as manufactured by Twin City Fan & Blower, Minneapolis, Minnesota.

PERFORMANCE — Air delivery shall be no less and sound levels no greater than listed. Fans shall bear the AMCA ratings seal for sound and air performance. Fans and motors shall carry the UL and/or cUL listed.

HOUSING — Units shall have a galvanized steel housing insulated with at least 1/2" of acoustic insulation. Housing shall have adjustable mounting brackets.

DAMPER — A backdraft damper shall be located within the duct connector. Duct connector, blower assembly and wiring plate shall be adjustable for either horizontal or vertical installation.

MOTOR AND WHEEL ASSEMBLY — The blower unit shall be removable from the housing and shall have a polymeric, balanced centrifugal-type blower wheel. Motor shall be permanently lubricated and mounted with resilient anti-vibration mounts. RPM not to exceed number listed for each model.

TYPICAL SPECIFICATIONS

Model

TL



Models T100L, T200L, T250L, T300L, T400L, T500L, T700L, T900L and T1500L

TL-Series Ventilators shall be of the centrifugal direct drive type, Model T100L, T200L, T250L, T300L, T400L, T500L, T700L, T900L and T1500L, as manufactured by Twin City Fan & Blower, Minneapolis, Minnesota.

PERFORMANCE — Air delivery shall be no less and sound levels no greater than listed for each model. Fans shall bear the AMCA ratings seal for sound and air performance. Units shall be UL and cUL listed.

HOUSING — Ventilators shall have galvanized steel housings with adjustable housing mounting brackets. Models T100L, T200L, T250L, T300L, T400L, T500L, T700L, T900L and T1500L shall have a removable panel to allow access to the motor without disturbing ductwork.

MOTOR AND WHEEL ASSEMBLY — The blower unit shall be removable from the housing. Models T100L, T200L, T250L, T300L, T400L, T500L, T700L, T900L and T1500L shall have a polymeric, dynamically balanced centrifugal type blower wheel.

Motors shall be permanently lubricated and mounted with resilient anti-vibration mounts. RPM not to exceed number listed for each model.

DAMPER — On models T100L, T200L, T250L, T300L, T400L, T500L, T700L, T900L and T1500L, backdraft damper shall be located within the exhaust side duct connector. The exhaust side duct connector, blower assembly and wiring plate shall be adjustable for either horizontal or vertical installation.

Models T2000L and T3500EXL

TL-Series Ventilators shall be of the centrifugal direct drive type, Model T2000L and T3500EXL, as manufactured by Twin City Fan & Blower, Minneapolis, Minnesota.

PERFORMANCE — Air delivery shall be no less and sound levels no greater than listed for each model. Fans shall bear the AMCA ratings seal for sound and air performance. Units shall be UL and cUL listed.

HOUSING — Ventilators shall have galvanized steel housings with adjustable housing mounting brackets. On models T2000L and T3500EXL, the duct connector, blower assembly and wiring plate shall be adjustable for either horizontal or vertical installation.

MOTOR AND WHEEL ASSEMBLY — The blower unit shall be removable from the housing. Models T2000L and T3500EXL shall have a metal, centrifugal-type blower wheel.

Motors shall be permanently lubricated and mounted with resilient anti-vibration mounts. RPM not to exceed number listed for each model.

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