Torin

Tube Axial Fan Quick Selector

ALPHA V™

Cool.
Quiet.
Reliable.
And available with a 5-year guarantee.

Torin
ALPHA V™

Torin proudly introduces ALPHA V tube axial fans with performance reliability so unprecedented they are available with a 5-year guarantee.†

The ALPHA V fans have an HRSB (High Reliability Sleeve Bearing) System* that incorporates a larger oil reservoir; assures hydrodynamic lubrication; prevents oil leakage; aids oil recirculation and reabsorption; and minimizes oil oxidation due to heat.

Proper fan selection is mainly dependent upon the amount of heat to be dissipated, acceptable noise level, size, weight, and any applicable safety agency requirements.

TA300:
3.14" (79.8mm) square by 1.51" (38.3mm) deep.

TA450:
4.69" (119.1mm) square by 1.50" (38.1mm) deep.

TA500:
5" (127mm) square by 1.50" (38.1mm) deep.

†5-year guarantee applies only to ALPHA V fans with HRSB (sleeve bearing) System.
*Patent pending.

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Options:
Available with HRSB (sleeve bearing) system or ball bearings. Optional "S" series for quiet, lower RPM operation.

Housings:
One-piece, zinc die casting for strength. Acts as heat sink to dissipate motor heat.

Impellers:
Patented, computer designed, one-piece, molded 94V-O (UL) rated thermoplastic.

Motors:
High-efficiency, impedance protected, shaded pole type. Insulation options include U.L. Class A or B, CSA Class B, and VDE Class E or B. TA500 also available with permanent split capacitor motor.

Terminals:
Two .110" (2.79mm) spade terminals on 5/16" (7.9mm) centers standard; 12" (30.5mm) flying lead wires also available.

Ball Bearing Design

In addition to our ALPHA V HRSB (sleeve bearing) design, Torin tube axial fans are available with Ball Bearings. This design incorporates double-shielded electric motor quality bearings precision fitted into the rotor bore for time-proven performance.

Torin ALPHA V Tube Axial Fan 5-Year Guarantee

Torin Information Systems Division ("the Company") will warrant the ALPHA V tube axial against operating failure for a period of five (5) years from date of manufacture if the product is used in a manner specifically approved by the Company. In the event of operating failure during the warranty period, the Company, at its option, will either replace any defective product or refund the purchase price for such product. Please contact the Company for further information on how to obtain this warranty protection, or ask a Torin representative for a copy of the complete warranty.

Typical Fan Performance by TA Model

Torin Fan Accessories

In addition, a standard complement of finger guards, filters and cord assemblies is available.

Speed Nuts (For #6-32 Screws)

P/N29874
TA450
TA600

P/N60520
TA450
TA500
TA600

P/N31720
TA300

Plug & Cord Set, all models:
P/N 30225 24"
P/N 30225-1 30"
P/N 30225-2 36"

Guards: TA300: P/N 31096
TA450: P/N 30181

Guard: TA600: P/N 30714

Guard: TA1000: P/N 30199

Filter: TA450: P/N 30208

Filter: TA300: P/N 31108

Filter: TA450: P/N 31109

Torin an air force.

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TA600:

Highest performance rating for its size. Has zinc die cast housing, permanent split capacitor motor with thermal protection, UL94V-O thermoplastic polyester impeller, and spade pins or flying lead terminals. 6.75" (172mm) high, 5.91" (150mm) wide, 1.50" (38mm) deep.

TA700:

Two sizes available in frame thickness. Housing and impeller made of UL94V-O polycarbonate. Shaded pole motor thermally protected. Spade pins or flying lead terminals. Models A30335 and A303340 have 3.16" thick frames. 6.91" (176mm) square by 4" (102mm) deep.

TA1000:

Extremely low power usage for high air volume. Impeller made of UL94V-O polycarbonate. Shaded pole motor thermally protected. Aluminum die cast housing. Spade pins or flying lead terminals. 10" (254mm) diameter by 3.50" (88.9mm) deep.

Performance: Fans can be operated within a temperature range of –40°C to +60°C (to +70°C with ball bearings). Typical performance is at rated voltage and 60Hz. Models available (S) for mid-speed and low-speed use.

Approvals: Most Torin fans are UL recognized components (File No. E45427 or E76527), and CSA certified (File No. LR27767, LR43354, LR45041, LR49202). Many models have VDE "Mark Approval" (File No. 10452318, 10452319, 104521610).

NOTE: 318 Contact factory for specific models with VDE Mark Approval.

Specifications

Type	Model	Bearing	Volts	Hz	Watts[1]	CFM[1]	NPEL[1]	PSIL (dB)[1]
TA300[4]	A30473-10	Sleeve (A)	115	50/60	9.0	35	5.1	38
	A30475-10	Sleeve (A)	230	50/60	9.0	35	5.1	38
	A30477-10	Ball	115	50/60	9.0	35	5.1	38
	A30479-10	Ball	230	50/60	9.0	35	5.1	38
TA300S[4]	A31022-10	Sleeve (A)	115	50/60	11	30	4.8	34
	A31137-10	Sleeve (A)	230	50/60	11	30	4.8	34
	A31136-10	Ball	115	50/60	11	30	4.8	34
	A31138-10	Ball	230	50/60	11	30	4.8	34
	A30716-10	Sleeve (A)	115	50/60	5.0	21	4.4	28
	A30717-10	Ball	115	50/60	5.0	21	4.4	28
TA450	A30108-10	Sleeve (A)	115	50/60	17	106	5.8	43
	A28678-10	Sleeve (A)	230	50/60	17	106	5.8	43
	A30122-10	Ball	115	50/60	17	106	5.8	43
	A30135-10	Ball	230	50/60	17	106	5.8	43
	A30440-10	Sleeve (A)	28	50/60	17	106	5.8	43
TA450S	A30390-10	Sleeve (A)	115	50/60	11	68	4.3	32
	A30426-10	Sleeve (A)	230	50/60	11	68	4.3	32
	A30443-10	Ball	115	50/60	11	68	4.3	32
	A30444-10	Ball	230	50/60	11	68	4.3	32
	A30769-10	Sleeve (A)	115	50/60	10	50	4.0	26
	A30925-10	Sleeve (A)	230	50/60	10	50	4.0	26
	A30926-10	Ball	115	50/60	10	50	4.0	26
	A30927-10	Ball	230	50/60	10	50	4.0	26
	A30767-10	Sleeve (A)	28	50/60	11	68	4.3	32
TA500	A30200-10	Sleeve (A)	115	50/60	21	130	5.8	44
	A30324-10	Sleeve (A)	230	50/60	21	131	5.8	44
	A30330-10	Ball	115	50/60	21	130	5.8	44
	A30332-10	Ball	230	50/60	21	131	5.8	44
TA500S	A30700-10	Sleeve (A)	115	50/60	19	106	5.3	40
	A30704-10	Sleeve (A)	230	50/60	19	106	5.3	40
	A30702-10	Ball	115	50/60	19	106	5.3	40
	A30706-10	Ball	230	50/60	19	106	5.3	40
TA500PSC	A30579-10	Ball	115	50/60	20	150	6.1	47
	A30581-10	Ball	230	50/60	19	150	6.1	47
TA600	A30318-10	Ball	115	50/60	32	260	6.6	53
	A30322-10	Ball	230	50/60	32	260	6.6	53
TA700	A30050	Ball	115	50/60	77	380	7.3	59
	A30056	Ball	230	50/60	77	380	7.3	59
	A30335	Ball	115	50/60	77	380	7.3	59
	A30340	Ball	230	50/60	77	380	7.3	59
TA1000	A30205-10	Ball	115	50/60	51	545	6.1	49
	A30230-10	Ball	230	50/60	52	530	6.1	49
TA1000S	A30436-10	Ball	115	50/60	38	470	5.8	44

The total sound output is designated by the Noise Power Emission Level (NPEL)[2]
The Preferred Octave Speech Interference Level (PSIL) heard depends upon the sound power of the source and listening conditions, such as distance from source. The average PSIL shown is at a distance of one meter and with the fan next to one reflecting surface[3]. PSIL stated with no reflecting surface present is 3dB lower, but such data is unrealistic since the fan requires at least one mounting surface.

[1]Watts, CFM, NPEL and PSIL at nominal voltage. 60 Hz. wide open.
[2]In accordance with American National Standard S1 23-1976.
[3]Conditions as specified in American National Standard S3 17-1975.
[4]Other lead versions available—20 (12" leads).
(A) ALPHA V HRSB System
Note: Most models available through distributors.