

TA600DC



- High-Capacity Air Delivery at Elevated Pressure Levels
- 12V, 24V and 48V Models
- Round or STRAIGHTSIDE Frames
- Premium Performance Models with 3:1 Voltage Ranges and Constant Fan Speed
- UL, CSA, TÜV Safety Approvals
- Reverse Polarity Protection
- Alarm/Tachometer/Thermal Speed Control/PWM Speed Control Options
- Built-in Interactive Control Available
- Permanently Lubricated Ball Bearings
- Die-Cast Metal Housing with Thermoplastic Impeller Rated UL94V-0
- Color-Coded 12-inch (305 mm) Leads or Spade-Pin Terminals

Speed-Stable Operation

Speed-regulated TA600DC models maintain constant operating speeds over wide segments of their supply voltage ranges:

- 12V models, 10.5V - 18V.
- 24V models, 21V - 36V.
- 48V models, 42V - 75V.

Electrical and Mechanical Characteristics

Model	Air Flow (CFM)	Operating Voltage		Current (A)	Power (W)	Sound Level		Fan Speed (rpm)	Housing	Operating Temp.		L10 Life † (hours)
		Nom. (V)	Range (V)			Pressure (dBA)	NPEL (Bels)			Min. (°C)	Max. (°C)	
<i>Standard Models</i>												
A34692	240	12	7.0-14	1.85	22.2	56.3	6.6	3,350	Round	-10	+70	155,500
A34695	240	12	7.0-14	1.85	22.2	58.6	6.9	3,350	StraightSide	-10	+70	155,500
A34693	240	24	12-28	0.84	20.2	56.3	6.6	3,350	Round	-10	+70	155,500
A34696	240	24	12-28	0.84	20.2	58.6	6.9	3,350	StraightSide	-10	+70	155,500
A34694	240	48	24-56	0.42	20.2	56.3	6.6	3,350	Round	-10	+70	155,500
A34697	240	48	24-56	0.42	20.2	58.6	6.9	3,350	StraightSide	-10	+70	155,500
<i>Speed-Regulated Models</i>												
A34619*	190	12	7.0-18	1.20	14.4	52.2	6.2	2,800	Round	-10	+70	162,200
A34620*	190	24	12-36	0.60	14.4	52.2	6.2	2,800	Round	-10	+70	162,200
A34621*	215	12	7.0-18	1.60	19.2	55.4	6.4	3,100	Round	-10	+70	158,500
A34453	240	12	7.0-18	1.85	22.2	56.3	6.6	3,350	Round	-10	+70	155,500
A34456	240	12	7.0-18	1.85	22.2	58.6	6.9	3,350	StraightSide	-10	+70	155,500
A34454	240	24	12-36	0.84	20.2	56.3	6.6	3,350	Round	-10	+70	155,500
A34457	240	24	12-36	0.84	20.2	58.6	6.9	3,350	StraightSide	-10	+70	155,500
A34455	240	48	24-75	0.42	20.2	56.3	6.6	3,350	Round	-10	+70	155,500
A34458	240	48	24-75	0.42	20.2	58.6	6.9	3,350	StraightSide	-10	+70	155,500
A34898*	300	12	7.0-18	3.90	46.8	62.8	7.3	4,200	Round	-10	+70	145,500
A34899*	300	12	7.0-18	3.90	46.8	65.7	7.6	4,200	StraightSide	-10	+70	145,500
A34897*	300	24	12-36	1.70	40.8	62.8	7.3	4,200	Round	-10	+70	145,500
A34876*	300	24	12-36	1.70	40.8	65.7	7.6	4,200	StraightSide	-10	+70	145,500
A34547*	300	48	24-75	0.85 ^P	40.8 ^P	62.8	7.3	4,200	Round	-10	+70	145,500
A34548*	300	48	24-75	0.85 ^P	40.8 ^P	65.7	7.6	4,200	StraightSide	-10	+70	145,500

Note: Air flow, current, power, speed and sound level ratings are at nominal voltage against zero static pressure. NPEL = Noise Power Emission Level. Power termination and other options are designated by two-digit suffixes added to the model names. For color-coded 12-inch leads with stripped ends, add the suffix "-16" to the model numbers. For spade-pin power terminals 0.110 inches wide and 0.020 inches thick, add "-10" to the model numbers.

† L10 bearing life expectancy at $T_A = +40^\circ\text{C}$, nominal voltage. Failure criteria for life testing that establishes this figure include a 15% reduction in fan speed or a 5 dBA increase in sound pressure.

* Safety agency approvals pending.

^P Preliminary data.



152 Will Drive, Canton, MA USA 02021 · Phone 781-828-6216 · Fax 781-830-1155

Email fans@nidec.com · http://www.nidec.com

Air Performance Characteristics



