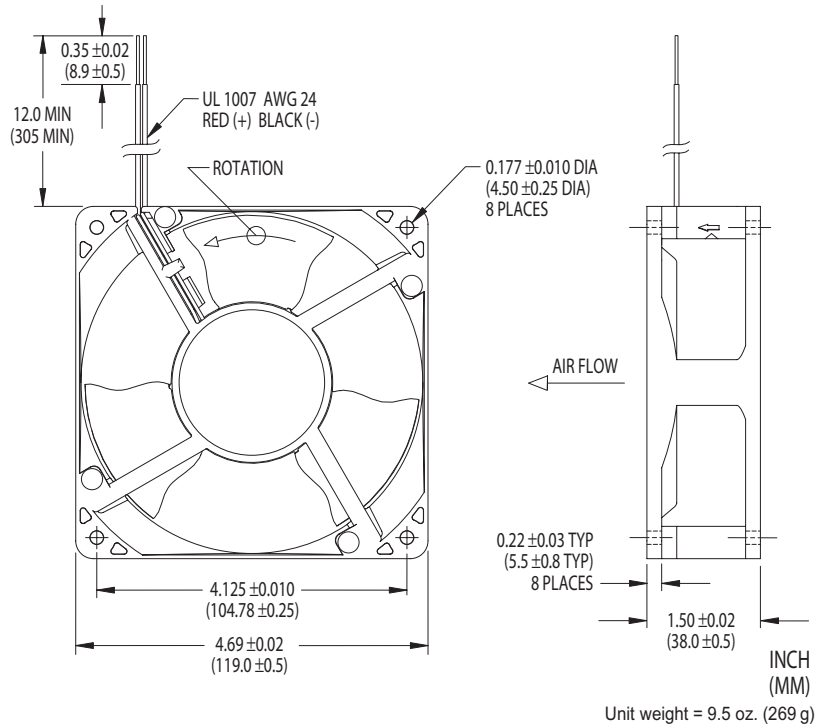


# 119x38mm



- ▶ 5V, 12V, 24V and 48V Models
- ▶ Polarity Protected
- ▶ Permanently Lubricated Ball Bearings
- ▶ Alarm/Tachometer/Thermal Speed Control/PWM Speed Control Options
- ▶ Sound-Absorbing Thermoplastic Frame and Impeller Rated V-0
- ▶ Color-Coded 11.8 in. (300 mm) Leads



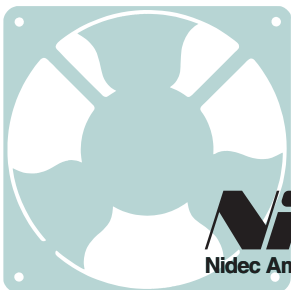
## TA450DC Series—Electrical and Mechanical Characteristics

Model	Air Flow (CFM)	Operating Voltage		Current (mA)	Power (W)	Sound Level			Fan Speed (rpm)	Bearing	Operating Temp.		L10 Life † (hours)
		Nom. (V)	Range (V)			Pressure (dBA)	NPEL (Bels)	Min. (°C)			Max. (°C)		
B32347	60	12	7.0-14	200	2.40	33.2	4.4	1,900	Ball	-10	+70	76,000	
B31787	60	24	12-28	100	2.40	33.2	4.4	1,900	Ball	-10	+70	76,000	
B34188	70	24	12-28	125	3.00	36.5	4.6	2,100	Ball	-10	+70	70,600	
B34270	80	5.0	4.5-5.5	650	3.25	40.7	5.2	2,450	Ball	-10	+70	65,600	
B31873	80	12	7.0-14	280	3.36	41.0	5.3	2,450	Ball	-10	+70	65,600	
B32837	80	24	12-28	170	4.08	40.7	5.0	2,450	Ball	-10	+70	65,600	
B33050	88	12	7.0-14	310	3.72	43.1	5.3	2,650	Ball	-10	+70	63,800	
B33393	88	24	12-28	180	4.32	43.1	5.3	2,650	Ball	-10	+70	63,800	
B32286	95	12	7.0-14	400	4.80	47.8	5.5	2,950	Ball	-10	+70	60,300	
B31276 <sup>Δ</sup>	104	12	7.0-14	440	5.28	51.9	6.6	3,080	Ball	-10	+70	58,900	
B31277 <sup>Δ</sup>	104	24	12-28	310	7.44	51.9	6.6	3,080	Ball	-10	+70	58,900	
B34258	108	5.0	4.5-5.5	1250	6.25	49.1	5.7	3,200	Ball	-10	+70	57,600	
B32861	108	48	28-56	140	6.72	48.5	5.6	3,200	Ball	-10	+70	57,600	
B31256	112	12	7.0-14	490	5.88	48.4	6.0	3,250	Ball	-10	+70	57,100	
B31257	112	24	12-28	280	6.72	48.4	6.0	3,250	Ball	-10	+70	57,100	
B34262	130	12	7.0-14	800	9.60	53.5	6.6	4,050	Ball	-10	+70	49,000	
B33534	130	24	12-28	450	10.8	53.5	6.6	4,050	Ball	-10	+70	49,000	
B34578	130	48	28-56	250	12.0	53.5	6.6	4,050	Ball	-10	+70	49,000	

Note: Air flow, current, power, speed and sound level ratings are at nominal voltage against zero static pressure. NPEL = Noise Power Emission Level. The first character of the model number designates the housing material and flange configuration (B = thermoplastic housing with open flange). TA450DC fans are also available as 'A' models (die-cast housing, open flange) and 'C' models (thermoplastic housing, closed flange). Die-cast metal versions weigh 21.2 oz. (600 g). Power termination, control and signal options are designated by two-digit suffixes added to the model names: For color-coded 12-inch power leads with stripped ends, add "-16" 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.

<sup>Δ</sup> Air flow reversed: Air inlet is on the strut side of the fan.

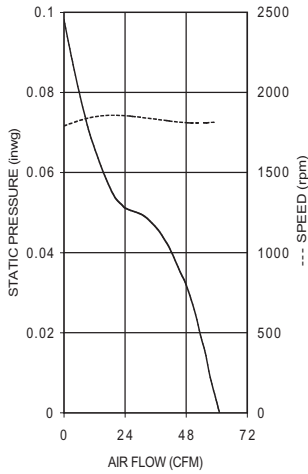


**Nidec**  
Nidec America Corporation

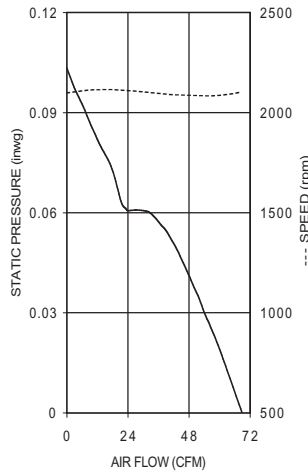
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# 119x38mm

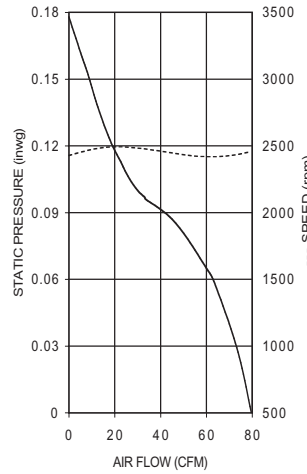
## TA450DC Air Performance Characteristics



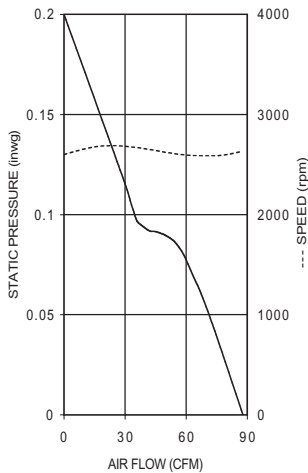
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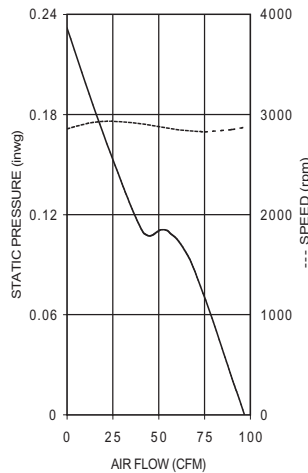
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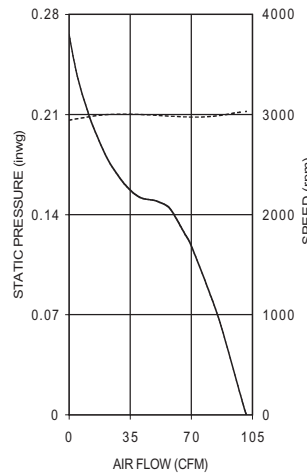
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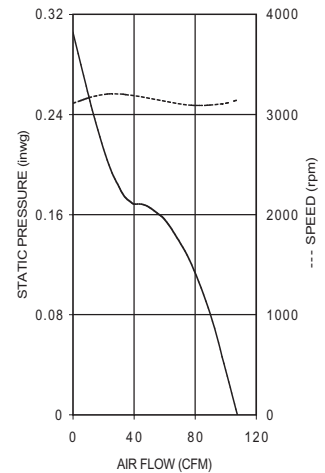
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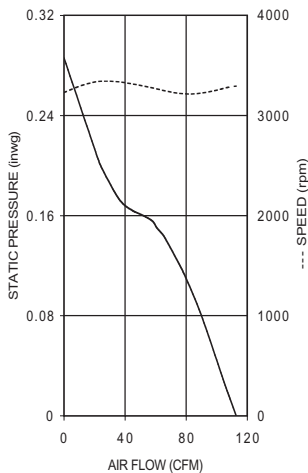
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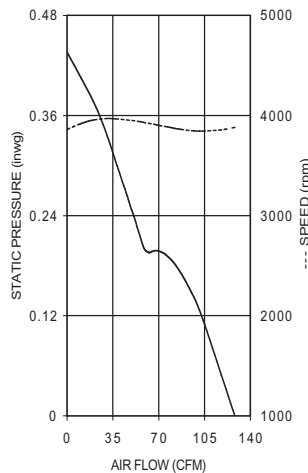
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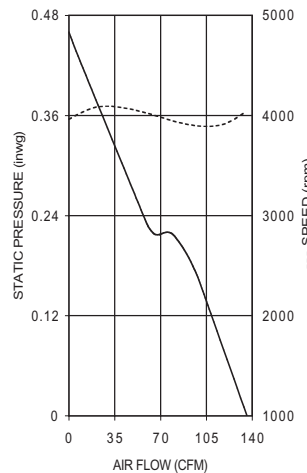
B34258/B32861



B31256/B31257



B34262



B33534/B34578

