



V80E Series

- ✓ Free-Running and Feedback-Governed, Speed-Stable Models
- ✓ Wide Variety of Monitor and Control Options and Signal Combinations
- ✓ Permanently Lubricated Dual Ball Bearings

Vane Axial Cooling Fans

Model	Air Flow (CFM)	Max. Static Pressure (inwg)	Operating Voltage Nominal (V)	Operating Voltage Range (V)	Operating Current (A)	Input Power (W)	Fan Speed (rpm)	Sound Pressure (dBA)	Operating Temp. Min. (°C)	Operating Temp. Max. (°C)	L10 Life† (hours)
Speed-Stable											
V80E12BUA7-01	130	2.26	12	7.0-13.8	2.84	34.1	10000	64.0	-10	+70	70,000
V80E12BGA7-01	109	1.57	12	7.0-13.8	1.70	20.4	8500	60.0	-10	+70	—
V80E12BHA7-01	83	0.97	12	7.0-13.8	0.75	9.0	6500	53.0	-10	+70	—
V80E12BMA7-01	71	0.72	12	7.0-13.8	0.48	5.8	5500	48.5	-10	+70	—
V80E12BLA7-01	58	0.52	12	7.0-13.8	0.30	3.6	4500	43.5	-10	+70	—
Free-Running											
V80E12BUA7-51	130	1.99	12	7.0-13.8	2.84	34.1	10000	64.0	-10	+70	70,000
V80E12BGA7-51	109	1.45	12	7.0-13.8	1.70	20.4	8500	60.0	-10	+70	—
V80E12BHA7-51	83	0.87	12	7.0-13.8	0.75	9.0	6500	53.0	-10	+70	—
V80E12BMA7-51	71	0.64	12	7.0-13.8	0.48	5.8	5500	48.5	-10	+70	—
V80E12BLA7-51	58	0.46	12	7.0-13.8	0.30	3.6	4500	43.5	-10	+70	—

Air flow, current, speed and sound pressure ratings are at nominal operating voltage and zero static pressure. Current and power ratings are average expected values under those conditions. † L10 bearing life expectancy at $T_A = +40^\circ\text{C}$.™ UltraFlo is a brand trademark of Nidec Corporation.

Noise Power Emission Levels*

Operating Voltage (V)	Fraction of Max. Air Flow	Fan Speed (rpm)	Static Pressure (inwg)	NPEL (Bels)
Speed-Stable V80E12BUA7				
13.8	100%	10000	0	7.7
	80%	9950	0.70	7.8
	20%	9820	1.75	8.3
12.0	100%	10000	0	7.7
	80%	9950	0.70	7.8
	20%	9820	1.75	8.3
7.0	100%	7300	0	6.9
	80%	7250	0.35	7.0
	20%	7190	0.94	7.5
Free-Running V80E12BUA7				
13.8	100%	10800	0	7.9
	80%	10250	0.68	7.8
	20%	10000	1.75	8.3
12.0	100%	10000	0	7.7
	80%	9630	0.57	7.7
	20%	9650	1.55	8.2
7.0	100%	6830	0	6.8
	80%	6600	0.28	6.7
	20%	6370	0.58	7.4

* Sound levels in the tables are mean values, measured as the fans - without guards or other accessories - expel air from a test plenum on which they are mounted, using test methods and conventions prescribed by IPC-9591.

80x38mm



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