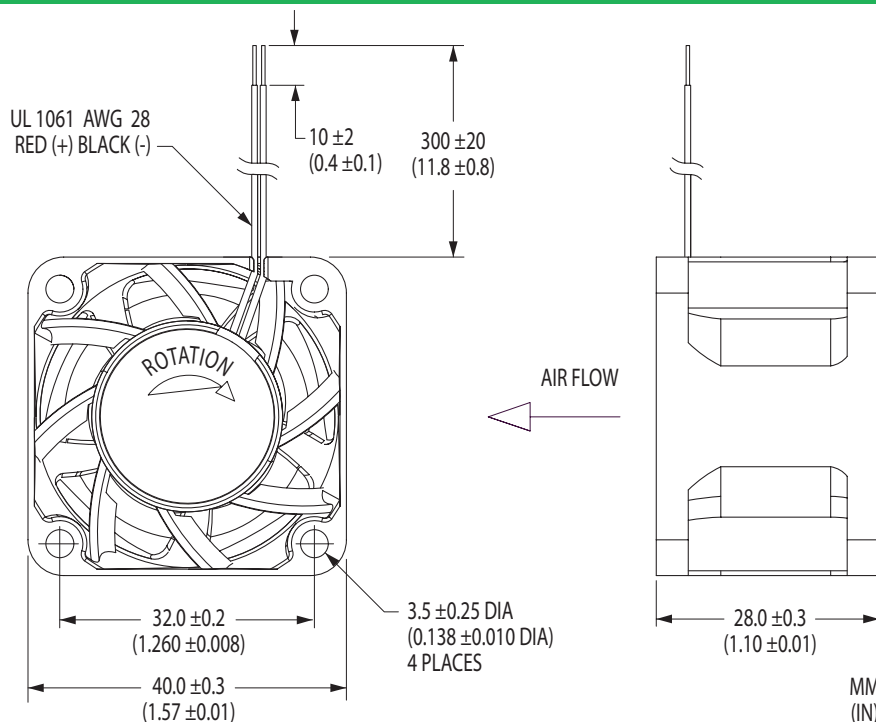


40x28mm



W40S 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											
W40S12BUA5-01	24	1.61	12	7.0-13.8	0.55	6.6	16000	52.1	-10	+70	50,000
W40S12BGA5-01	21	1.23	12	7.0-13.8	0.40	4.8	14500	51.0	-10	+70	—
Free-Running											
W40S12BUA5-51	24	1.47	12	7.0-13.8	0.55	6.6	16000	52.1	-10	+70	50,000
W40S12BGA5-51	21	1.23	12	7.0-13.8	0.40	4.8	14500	51.0	-10	+70	—
W40S12BHA5-51	15	0.58	12	7.0-13.8	0.17	2.0	10000	40.0	-10	+70	—
W40S12BMA5-51	11	0.41	12	7.0-13.8	0.14	1.7	8500	34.5	-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 $T_A = +40^\circ\text{C}$. TM UltraFlo is a brand trademark of Nidec Corporation.

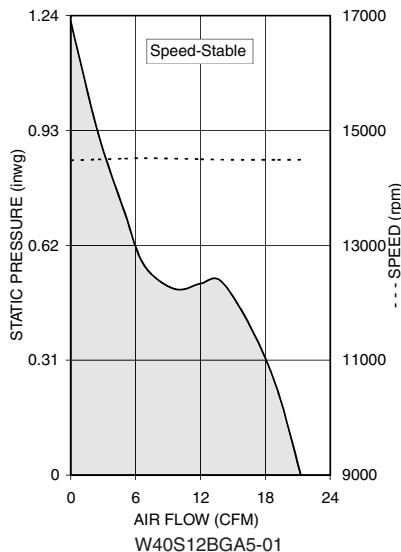
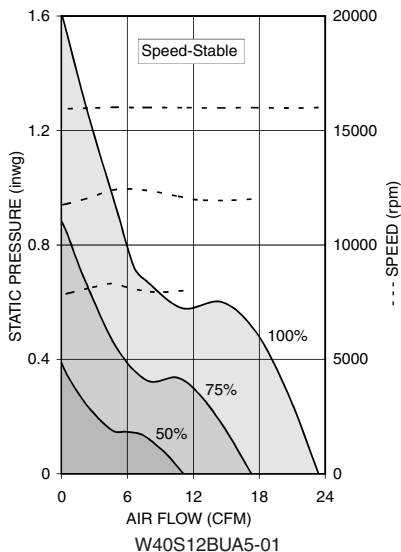
Noise Power Emission Levels*

Operating Voltage (V)	Fraction of Max. Air Flow	Fan Speed (rpm)	Static Pressure (inwg)	NPEL (Bels)
Speed-Stable W40S12BUA5				
13.8	100%	16000	0	6.8
	80%	15970	0.27	6.9
	20%	16010	0.94	6.8
12.0	100%	16000	0	6.8
	80%	15970	0.27	6.9
	20%	16010	0.94	6.8
7.0	100%	10375	0	5.7
	80%	10320	0.16	5.7
	20%	10690	0.40	5.8
Free-Running W40S12BUA5				
13.8	100%	17810	0	6.9
	80%	17670	0.51	7.0
	20%	18120	1.29	7.3
12.0	100%	16000	0	6.8
	80%	15890	0.42	6.9
	20%	16630	0.88	6.9
7.0	100%	9840	0	5.5
	80%	9870	0.14	5.7
	20%	10110	0.34	5.8

* 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.

UltraFlo

40x28mm



W40S Series

