



Mighty Mini Fan & Blower Model Numbering System

UF 3 8 3 - 1 0

Running No.
0~9 , A~Z

PIN Type

- 1: FPC Wide+ FG 3rd wire with frequency generation waveform
- 2: FPC Wide+RD 3rd wire with rotation detector waveform
- 3: FPC Golden finger+FG 3rd wire with frequency generation waveform
- 4: FPC Golden finger+RD 3rd wire with rotation detector waveform

Thickness

- 3: 3mm 5: 5mm
- 4: 4mm 8: 8mm

Size

- 3: 3mm A: 10mm H: 17mm
- 5: 5mm C: 12mm U: 30mm
- 8: 8mm F: 15mm

Voltage

- 3: 3VDC
- 5: 5VDC
- A: 12VDC

Series

- UF: Fan
- UB: Blower

The Airflow Conversion Table

m ³ /s	m ³ /min	l/s	l/min	m ³ /h	ft ³ /S	CFM
1	6 x 10	1 x 10 ³	6 x 10 ⁴	3.6 x 10 ³	3.531 x 10	2.118 x 10 ³
1.66666 x 10 ⁻²	1	1.66666 x 10	1x 10 ³	6 x 10	5.885 x 10 ⁻³	3.531x 10
1 x 10 ⁻³	6 x 10 ⁻²	1	6 x 10	3.6	3.531 x 10 ⁻²	2.118
1.66666 x 10 ⁻⁵	1 x 10 ⁻³	1.66666 x 10 ⁻²	1	6 x 10 ⁻²	5.9 x 10 ⁻⁴	3.54 x 10 ⁻²
2.77777 x 10 ⁻⁴	1.66666 x 10 ⁻²	2.77777x 10 ⁻¹	1.66666 x 10	1	9.81x10 ⁻³	5.886 x 10 ⁻¹
2.832 x 10 ⁻²	1.69833	2.831x 10	1.69833 x 10 ³	1.019 x 10 ²	1	6 x 10
4.72 x 10 ⁻⁴	2.831x 10 ⁻²	0.472	2.831 x 10	1.6983	1.66666 x 10 ⁻²	1

The Static Pressure Conversion Table

Pa=N/m ²	mmH ₂ O	inH ₂ O	kgf/cm ²	afm	bar	lbf/in ²
1	1.0197 x 10 ⁻¹	4.017 x 10 ⁻³	1.0197 x 10 ⁻⁵	9.866x 10 ⁻⁶	1 x 10 ⁻⁵	1.450 x 10 ⁻⁴
9.80665	1	3.939 x 10 ⁻²	1x 10 ⁻⁴	9.678 x 10 ⁻⁵	9.806 x 10 ⁻⁶	1.422 x 10 ⁻³
2.49 x 10 ⁻²	25.4	1	2.54 x 10 ⁻³	2.46 x 10 ⁻³	2.49 x 10 ⁻³	3.61 x 10 ⁻²
9.80665 x 10 ⁴	10 ⁴	3.937 x 10 ²	1	0.9678	0.980665	14.2234
1.01325 x 10 ³	1.0332 x 10 ⁴	4.071x 10 ²	1.03323	1	1.01325	14.8960
1 x 10 ⁵	1.0197 x 10 ⁴	4.018 x 10 ²	1.01972	0.9868932	1	14.5038
6.895 x 10 ³	7.031 x 10 ²	27.686	7.031 x 10 ⁻²	6.805 x 10 ⁻²	6.895 x 10 ⁻²	1

Note: The "Life Expectancy" of this fan has not been evaluated for use in combination with any end application. Therefore, the Life Expectancy Test Reports(Lio and MTTF Report) that relate to this fan are only for reference.

*All model could be customized on voltage or any other requirements to fit your need.
*Specifications subject to change without notice. Please Visit SUNON web site at <http://www.sunon.com> for update information.

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SUNON®



Mighty Mini Fan & Blower

*All products are RoHS compliance.



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	8x8x3 mm	8x8x5 mm	10x10x5 mm	12x12x5 mm	15x15x3 mm ^{*Proto type}	15x15x5 mm	17x17x3 mm ^{*Proto type}
Model	UF383-10	UF385-10	UF3A5-10	UF3C5-10	UF3F3-10	UF3F5-10	UF3H3-10
Operating Voltage (V)	2.2~3.5 V	2.2~3.5 V	2.2~3.5 V	2.2~3.5 V	2.2~3.5 V	2.2~3.5 V	2.2~3.5 V
Voltage (V)	3 V	3 V	3 V	3 V	3 V	3 V	3 V
Power Current(mA)	115 mA	65 mA	70 mA	40 mA	30 mA	35 mA	30 mA
Power Consumption (Watts)	0.35 Watts	0.2 Watts	0.21 Watts	0.12 Watts	0.09 Watts	0.11 Watts	0.09 Watts
Speed (RPM)	13500 RPM	14000 RPM	12000 RPM	11500 RPM	10000 RPM	9600 RPM	9600 RPM
Air Flow (l/min)	0.12 l/min	0.32 l/min	0.85 l/min	2.6 l/min	5.8 l/min	5.15 l/min	10.5 l/min
Static Pressure (Pa)	1.0 Pa	2 Pa	3.7 Pa	6.2 Pa	13.7 Pa	8.2 Pa	12.5 Pa
Noise (dBA)	17.1 dBA/5cm	19.5 dBA/5cm	7.7 dBA/30cm	9.1 dBA/30cm	16.8 dBA/30cm	11.9 dBA/30cm	21.2/30cm
Weight (g)	0.3 g	0.44 g	0.68 g	0.88 g	0.76 g	1.2 g	0.88g

* Preliminary specification for reference.

AIR PERFORMANCE

Air Pressure (Pa) vs Airflow (l/min)

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Air Pressure (Pa) vs Airflow (l/min)

Blower series

	9x9x3 mm	12x12x3 mm	15x15x3 mm	17x17x3 mm	30x30x3 mm
Model	UB393-10	UB3C3-10	UB3F3-10	UB3H3-10	UB5U3-10
Operating Voltage (V)	1.8~3.5 V	2.2~3.5 V	2.2~3.5 V	2.2~3.5 V	2.2~3.5 V
Voltage (V)	3 V	3 V	3 V	3 V	5 V
Power Current(mA)	30 mA	45 mA	45 mA	45 mA	57 mA
Power Consumption (Watts)	0.09 Watts	0.13 Watts	0.13 Watts	0.13 Watts	0.29 Watts
Speed (RPM)	15000 RPM	10000 RPM	8000 RPM	6500 RPM	3800 RPM
Air Flow (l/min)	1.2 l/min	2.0 l/min	3.1 l/min	3.55 l/min	6.8 l/min
Static Pressure (Pa)	13.4 Pa	18.7 Pa	22.4 Pa	18 Pa	10 Pa
Noise (dBA)	14.4 dBA/30cm	24.6 dBA/30cm	27.9 dBA/30cm	33.1 dBA/30cm	24.8 dBA/30cm
Weight (g)	0.47 g	0.55 g	0.69 g	0.78 g	1.92 g

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AIR PERFORMANCE

Air Pressure (Pa) vs Airflow (l/min)

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Air Pressure (Pa) vs Airflow (l/min)

Portable computers are becoming increasingly smaller, from the "Light & Portable" to today's "Palm-top computing", computer products are packing more powerful and diverse functions into smaller case sizes. In response to such needs, Sunon has developed the world's smallest and slimmest "Sunon Mighty Mini Fan & Blower". Sunon makes the inventors' dreams come true - its highly effective mini fans make micro products possible. Sunon's micro technologies are enabled by Sunon's patented MagLev Design. Passing the most stringent tests, the innovative products of Sunon are trusted for their long usage life, low vibration, low noise, and high power efficiency designs.