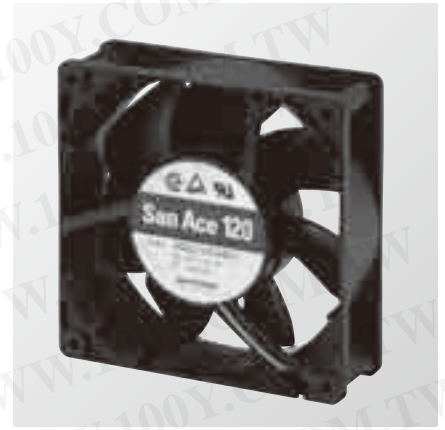


**120**mm sq.

# San Ace 120

25mm thick (G type), 38mm thick (GV type)  
38mm thick (G type), 38mm thick (SG type)



## General Specifications With a pulse sensor

- Material ..... Frame: Plastics (Flammability: UL94V-0),  
Impeller: Plastics (Flammability: UL94V-1)
- Life Expectancy ..... Varies for each model (L10: Survival rate: 90% at 60°C, rated voltage, and continuously run in a free air state)
- Lead Wire ..... ⊕ red ⊖ black or blue (Sensor) yellow
- Storage Temperature ..... -30°C to +70°C (Non-condensing)

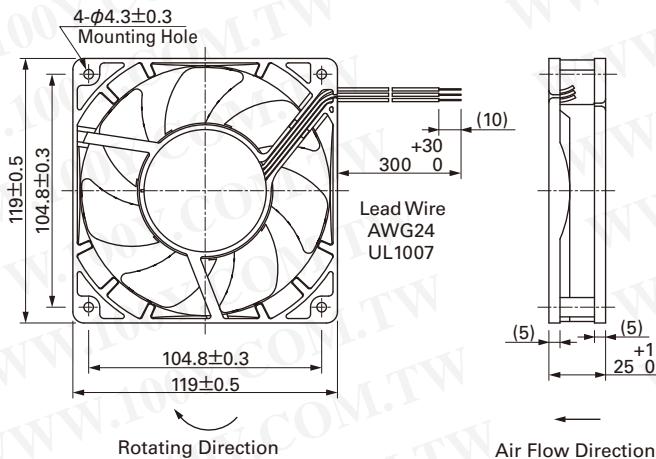
## 120×120×25mm (Mass : 240g) **G type** eco process

### Specifications The numbers in ( ) represent ribless models.

Model No.	Rated Voltage [V]	Operating Voltage Range [V]	Rated Current [A]	Rated Input [W]	Rated Speed [min <sup>-1</sup> ]	Air Flow [m <sup>3</sup> /min] [CFM]	Static Pressure [Pa] [inchH <sub>2</sub> O]	SPL [dB(A)]	Operating Temperature [°C]	Life Expectancy [h]	
9G1212G401(4011)	12	10.2 to 13.8	0.90	10.8	4,100	3.68 130	120 0.482	51	-10 to +70	40,000	
9G1212E401(4011)			0.58	6.96	3,650	3.25 115	98 0.394	48			
9G1212A401(4011)			0.40	4.80	3,150	2.83 100	77 0.309	44			
9G1212H401(4011)		6 to 13.8	0.31	3.72	2,850	2.50 88	64 0.257	40			
9G1212F401(4011)			7 to 13.8	0.19	2.28	2,250	1.98 70	42 0.169			35
9G1212M401(4011)				0.14	1.68	1,950	1.66 58	31 0.124			29
9G1224G401(4011)	24	20.4 to 27.6	0.47	11.28	4,100	3.68 130	120 0.482	51			
9G1224E401(4011)			0.37	8.88	3,650	3.25 115	98 0.394	48			
9G1224A401(4011)			0.21	5.04	3,150	2.83 100	77 0.309	44			
9G1224H401(4011)		12 to 27.6	0.17	4.08	2,850	2.50 88	64 0.257	40			
9G1224F401(4011)			20.4 to 27.6	0.10	2.40	2,250	1.98 70	42 0.169			35
9G1224M401(4011)				0.08	1.92	1,950	1.66 58	31 0.124			29
9G1248G401(4011)	48	40.8 to 55.2	0.23	11.04	4,100	3.68 130	120 0.482	51			
9G1248E401(4011)			0.16	7.68	3,650	3.25 115	98 0.394	48			
9G1248A401(4011)			0.13	6.24	3,150	2.83 100	77 0.309	44			
9G1248H401(4011)			0.10	4.80	2,850	2.50 88	64 0.257	40			
9G1248F401(4011)			0.06	2.88	2,250	1.98 70	42 0.169	35			
9G1248M401(4011)			0.05	2.40	1,950	1.66 58	31 0.124	29			

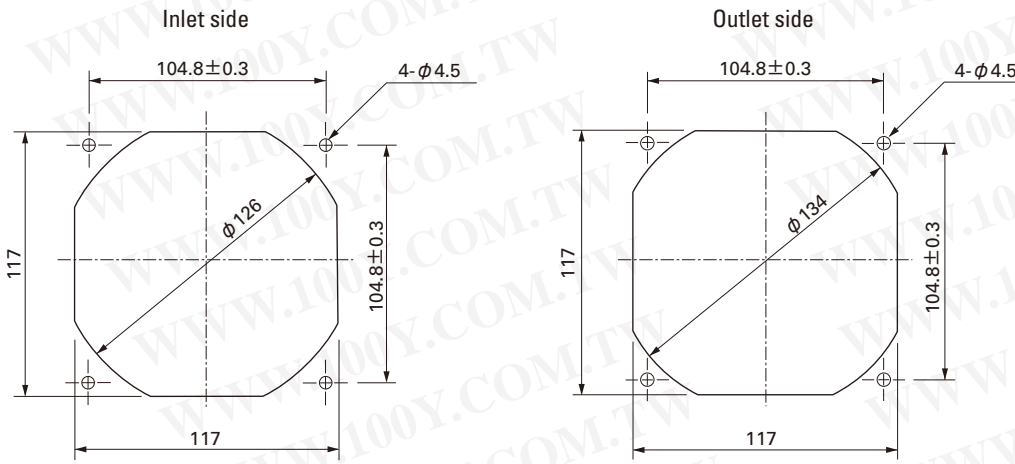
Without Sensor Pulse Sensor Available in all models. Lock Sensor Low speed Sensor PWM Control Please inquire as the availability of these functions depend on the model.

### Dimensions (Unit : mm) (With ribs)



勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

Reference dimension of mounting holes and vent opening (Unit : mm)

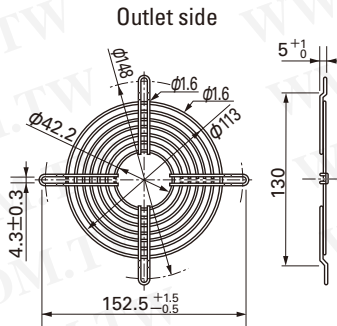


Options (Unit : mm)

Finger guards

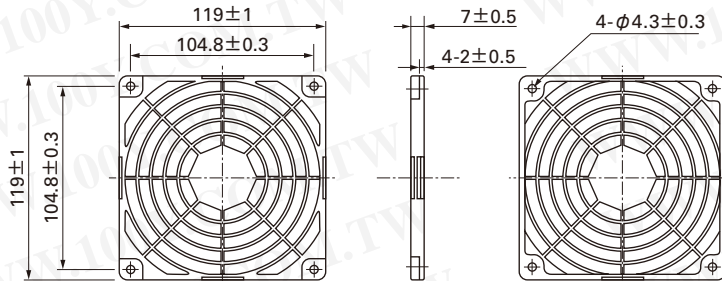
Model : 109-019C Surface treatment : Nickel-chrome plating (silver)  
 : 109-019H : Cation electropainting (black)

Color



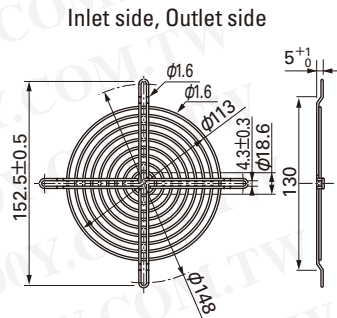
Resin finger guards

Model : 109-1000G



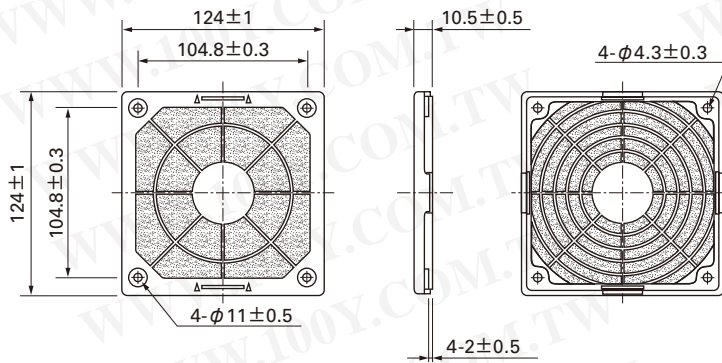
Model : 109-019E Surface treatment : Nickel-chrome plating (silver)  
 : 109-019K : Cation electropainting (black)

Color



Resin filter kits

Model : 109-1000F13 (13PPI), 109-1000F20 (20PPI)  
 : 109-1000F30 (30PPI), 109-1000F40 (40PPI)



勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

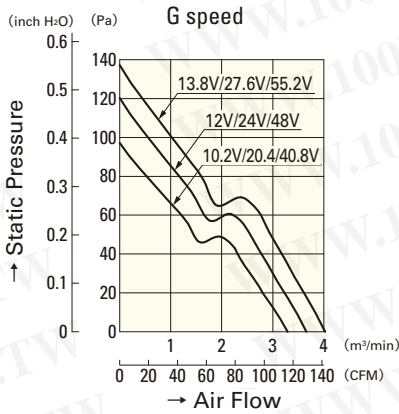
**120**mm sq.

**San Ace 120**

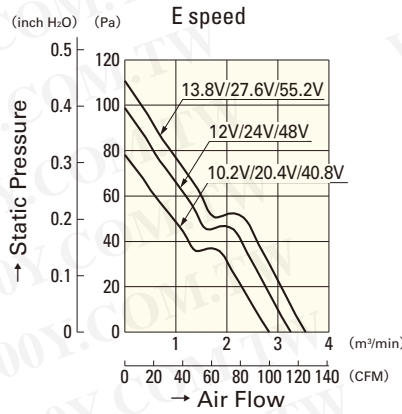
**120×120×25mm** [Mass : 240g]

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

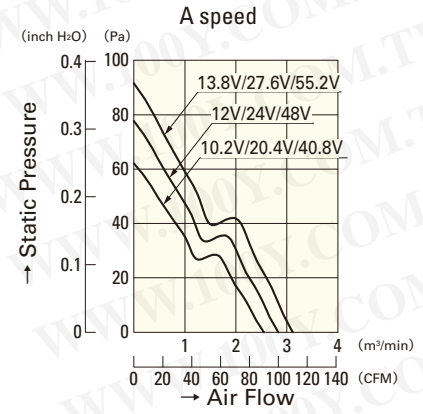
**Air Flow and Static Pressure Characteristics**



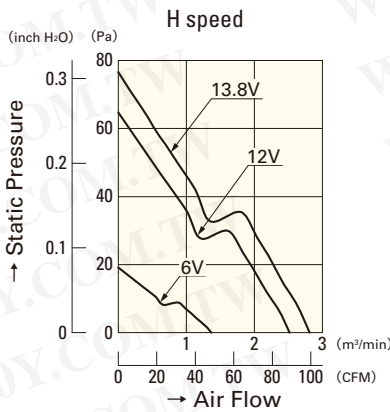
- 9G1212G401(4011)
- 9G1224G401(4011)
- 9G1248G401(4011)



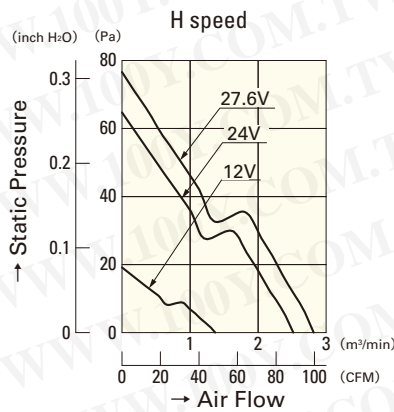
- 9G1212E401(4011)
- 9G1224E401(4011)
- 9G1248E401(4011)



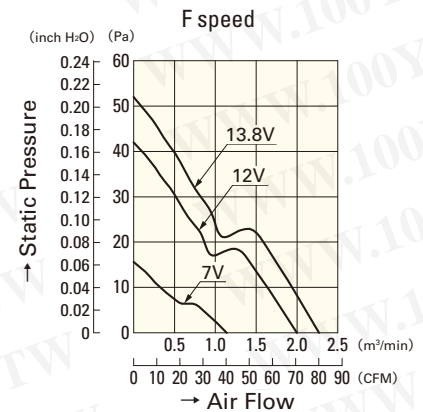
- 9G1212A401(4011)
- 9G1224A401(4011)
- 9G1248A401(4011)



- 9G1212H401(4011)

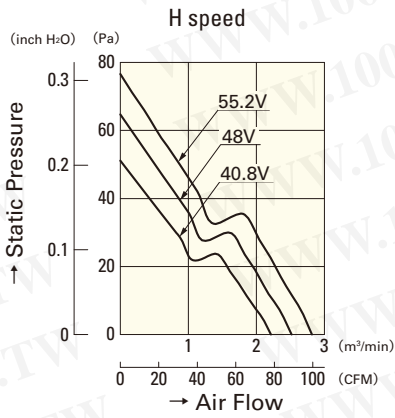


- 9G1224H401(4011)

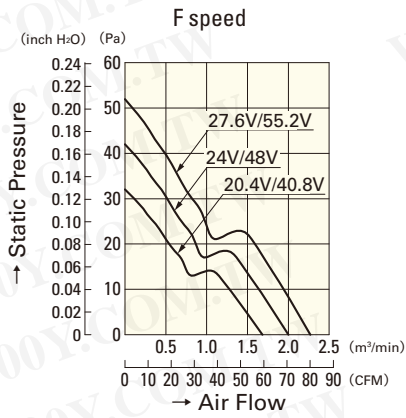


- 9G1212F401(4011)

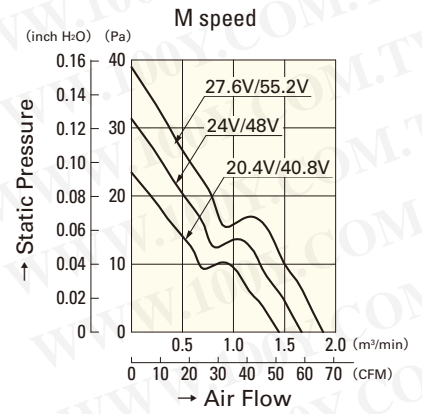
勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)



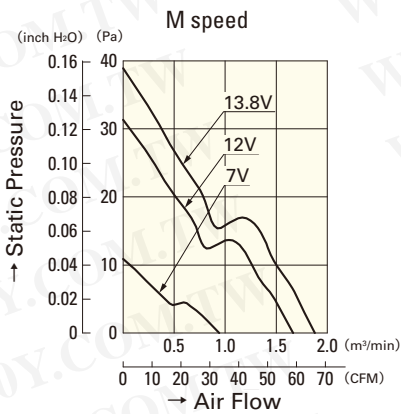
**9G1248H401(4011)**



**9G1224F401(4011)**  
**9G1248F401(4011)**



**9G1224M401(4011)**  
**9G1248M401(4011)**



**9G1212M401(4011)**

# Part Numbering System

## DC Fan

<b>9G</b>	<b>12</b>	<b>12</b>	<b>G</b>	<b>1</b>	<b>01</b>	<b>1</b>
<b>Series name / frame material</b> 109P / Plastics 109R / Plastics 9GV / Plastics Aluminum 9GE / Aluminum 9G / Plastics 9A / Plastics 9SG / Aluminum 109E / Aluminum 9EC / Aluminum	<b>Frame size</b> 36: 36×36mm 03: 38×38mm 04: 40×40mm 05: 52×52mm 06: 60×60mm 08: 80×80mm 09: 92×92mm 12: 120×120mm 13: 127×127mm 14: 140×140mm 15: 150×150mm 17: $\phi$ 172mm 47: $\phi$ 172mm×147mm(side cut) 57: $\phi$ 172mm×150mm(side cut) 20: $\phi$ 200mm	<b>Voltage</b> 05: 5V 12: 12V 24: 24V 48: 48V etc	<b>Speed code</b> A,B,C,D,E,F,G,H,J,K, L,M,S,W etc  Two speed: MH, LM,HD,HE etc	<b>Frame thickness</b> 0: 70mm 1: 38mm thick 2: 32mm thick 3: 28mm thick 4: 25mm thick 5: 50mm thick 51mm thick 6: 20mm thick 7: 15mm thick 9: 10mm thick	<b>Sensor specifications</b> 01: With a pulse sensor 02: Without a sensor D01: With a lock sensor	<b>Frame type</b> Nil: Ribbed Plastics frame Nil: Ribless aluminum frame 1: Ribless Plastics frame 3: Plastics frame 40×40×28mm for 1U applications

## Low Power Consumption Fan

<b>9GA</b>	<b>04</b>	<b>12</b>	<b>P</b>	<b>3</b>	<b>J</b>	
<b>Series name / frame material</b> 9GA / Plastics	<b>Frame size</b> 04: 40×40mm 09: 92×92mm	<b>Voltage</b> 12: 12V 24: 24V	<b>PWM speed control function</b> P	<b>Frame thickness</b> 3: 28mm thick 4: 25mm thick	<b>Speed code</b> J,G,H,M,S	

## Silent Fan

<b>9S</b>	<b>06</b>	<b>12</b>	<b>H</b>	<b>4</b>	<b>01</b>	
<b>Series name / frame material</b> 9S / Plastics	<b>Frame size</b> 06: 60×60mm 08: 80×80mm 09: 92×92mm 12: 120×120mm	<b>Voltage</b> 12: 12V	<b>Speed code</b> F,H,L,M etc	<b>Frame thickness</b> 4: 25mm thick	<b>Sensor specifications</b> 01: With a pulse sensor 02: Without a sensor D01: With a lock sensor	<b>Frame form</b> Nil: Ribbed 1: Ribless

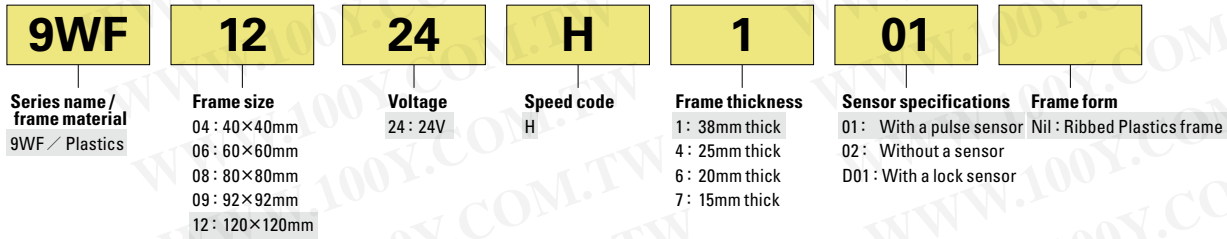
## Splash Proof Fan

<b>109W</b>	<b>12</b>	<b>12</b>	<b>H</b>	<b>1</b>	<b>01</b>	
<b>Series name / frame material</b> 109W / Aluminum 9WS / Plastics 9WG / Aluminum 9WB / Aluminum 9WP / Plastics9WP	<b>Frame size</b> 06: 60×60mm 08: 80×80mm 09: 92×92mm 12: 120×120mm 14: 140×140mm	<b>Voltage</b> 12: 12V 24: 24V 48: 48V etc	<b>Speed code</b> A,D,E,F,G,H,J,L, M,S etc	<b>Frame thickness</b> 1: 38mm thick 4: 25mm thick 5: 51mm thick	<b>Sensor specifications</b> 01: With a pulse sensor 02: Without a sensor D01: With a lock sensor	<b>Frame form</b> Nil: Ribbed Plastics frame Nil: Ribless aluminum frame 1: Ribless Plastics frame

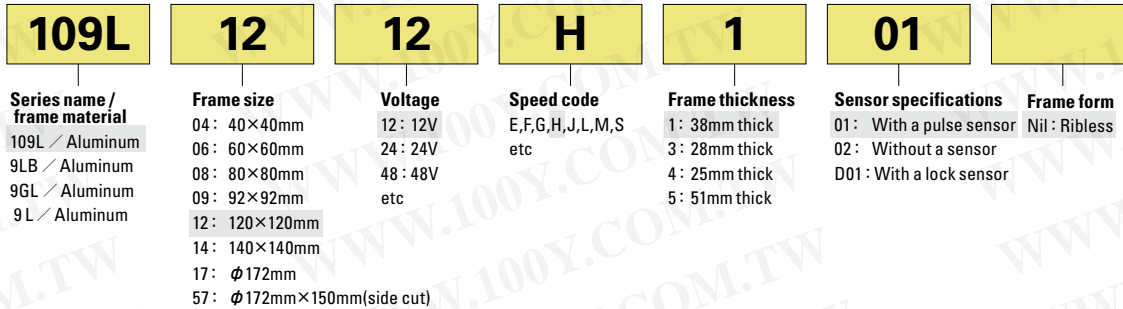
勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

# Part Numbering System

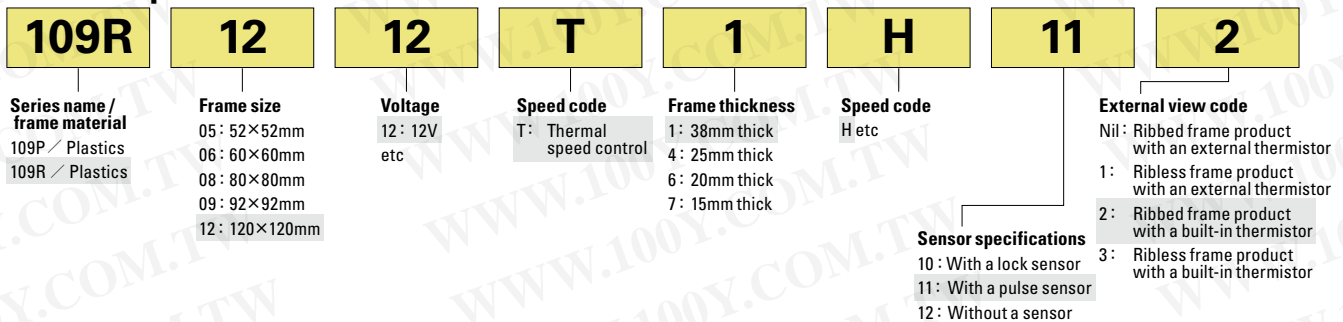
## Oil Proof Fan



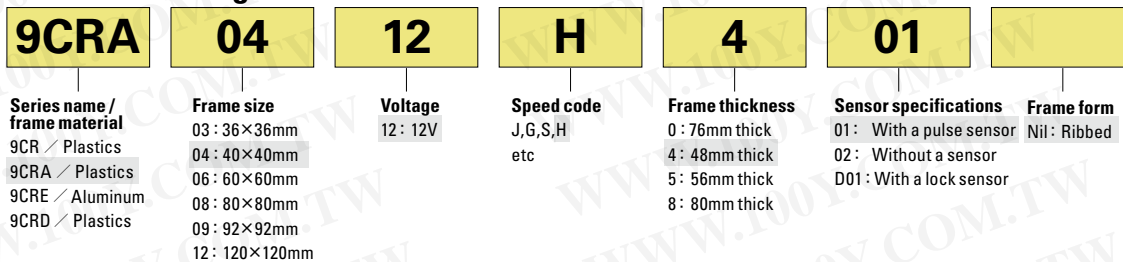
## Long Life Fan



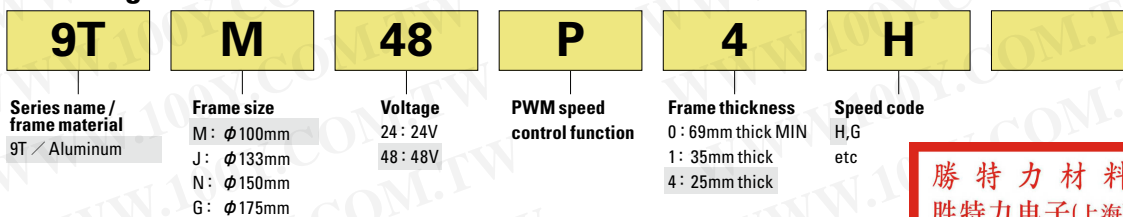
## Thermal Speed Controlled Fan



## Counter Rotating Fan



## Centrifugal Fan



勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

## Blower

<b>109B</b>	<b>F</b>	<b>12</b>	<b>H</b>	<b>C</b>	<b>2</b>
<b>Series name / frame material</b> 109B / Plastics 9B / Plastics	<b>Frame size</b> D : 76mm F : 120mm AM : 97mm J : 127mm MB : 97mm G : 160mm	<b>Voltage</b> 12 : 12V 24 : 24V etc	<b>Speed code</b> F,G,H,M,S etc	<b>Sensor specifications</b> A : Without a sensor C : With a pulse sensor D : With a lock sensor	<b>Frame thickness</b> 1 : 40mm thick 2 : 30mm thick, 32mm thick, 33mm thick

## CPU Cooler

<b>109X</b>	<b>99</b>	<b>12</b>	<b>S</b>	<b>0</b>	<b>01</b>	<b>6</b>
<b>Series name / frame material</b> 109X / Plastics 9H / Plastics	<b>Product size</b> For model numbers starting with 109X 65 : 64×50.8mm 76 : 68×67.3mm 74 : 79×67.3mm 94 : 83.3×68.5mm 87.2×68.5mm	<b>Voltage</b> 12 : 12V etc	<b>Speed code</b> A,D,G,H,S etc	<b>Thickness code</b> 0,1,2,4,5 etc	<b>Sensor specifications</b> 01 : With a pulse sensor 02 : Without a sensor	<b>Heat sink specification</b> 6 : With a heat sink

## CPU Coolers with Speed Control

<b>109X</b>	<b>99</b>	<b>12</b>	<b>T</b>	<b>0</b>	<b>S</b>	<b>01</b>	<b>6</b>
<b>Series name / frame material</b> 109X / Plastics	<b>Product size</b> For model numbers starting with 109X 87 : 88.9×78.74mm 92 : 90mm cir. 98 : 91.6×71.3mm 99 : 95×67.5mm	<b>Voltage</b> 12 : 12V etc	<b>Speed code</b> T : Thermal speed control PT : PWM control with thermal speed control P : PWM control	<b>Thickness code</b> 0 etc	<b>Speed code</b> A,D,G,H,S etc	<b>Sensor specifications</b> 01 : With a pulse sensor 02 : Without a sensor	<b>External view code</b> 2 : Duct+Heatsink [For BTX Thermalmodule] 6 : With a heat sink

## Liquid Cooling Solution System

**109 - LC1 - 001**

Represents a liquid cooling solution system.  
LC1

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

\*For inquiries concerning frame sizes, voltage, speed types, sensors (including lock sensors and low-speed sensors), speed control systems (including the two-speed system, the thermal speed control system, the PWM control function and the microprocessor control system) that are not covered in the catalog or on connectors, please contact us.