Splash Proof Fan

92mm sq.

San Ace 92W

25mm thick, 25mm thick(WS type),
25mm thick(WP type), 25mm thick(WP type)

■ General Specifications **With a pulse sensor** Specifications for pulse sensors ⇨ Refer to Page 297

・Material ·······················Frame: Aluminum, Impeller:Plastics (Flammability: UL94V-1)
・Expected Life ··············Varies for each model(Indoor, L10:Survival rate: 90% at 60℃ ,
　　　　　　　　　　　　　rated voltage,and continuously run in a free air state)
・Lead Wire ·····················⊕red ⊖black or blue Sensor yellow
・Storage Temperature ···－30℃ to ＋70℃（Non-condensing）
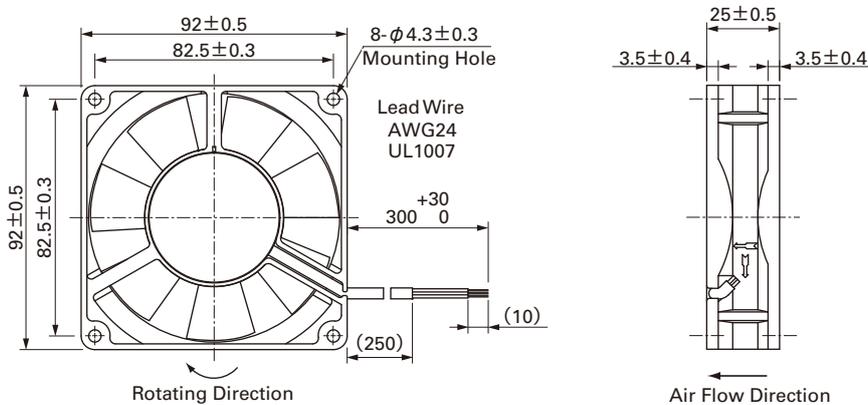
92×92×25mm 〔Mass：190g〕 IP 55 Dust resistant device with protection against water jets

■ Specifications

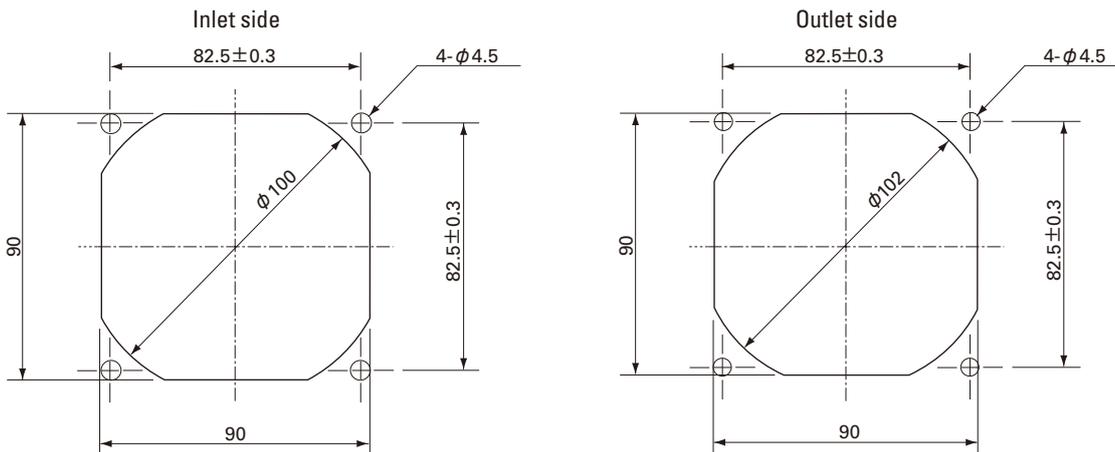| Model No.	Rated Voltage [V]	Operating Voltage Range [V]	Rated Current [A]	Rated Input [W]	Rated Speed [min⁻¹]	Max. Air Flow		Max. Static Pressure		SPL [dB(A)]	Operating Temperature [℃]	Expected Life [h]
						[m³/min]	[CFM]	[Pa]	[inchH₂O]			
109W0912H401-U			0.21	2.52	2,850	1.38	48.7	45.1	0.181	33		
109W0912F401-U	12	10.2 to 13.8	0.14	1.68	2,450	1.18	41.7	32.3	0.130	30		
109W0912M401-U			0.11	1.32	2,100	1.01	35.7	23.5	0.094	27		
109W0912L401-U			0.08	0.96	1,700	0.80	28.2	16.7	0.067	23		
109W0924H401-U			0.12	2.88	2,850	1.38	48.7	45.1	0.181	33	－ 10 to ＋ 70	100,000
109W0924F401-U	24	20.4 to 27.6	0.08	1.92	2,450	1.18	41.7	32.3	0.130	30		
109W0924M401-U			0.06	1.44	2,100	1.01	35.7	23.5	0.094	27		
109W0924L401-U			0.05	1.2	1,700	0.80	28.2	16.7	0.067	23		
109W0948H401-U	48	40.8 to 55.2	0.06	2.88	2,850	1.38	48.7	45.1	0.181	33		

Without Sensor **Pulse Sensor** Available in all models. **Lock Sensor** Please inquire as the availability of these functions depend on the model.
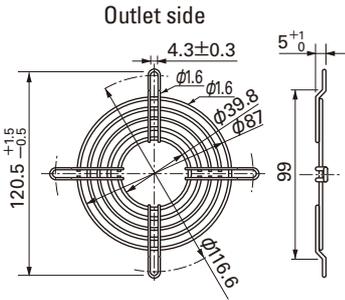
■ Dimensions （Unit : mm）

92±0.5
82.5±0.3
8-φ4.3±0.3
Mounting Hole
Lead Wire
AWG24
UL1007
92±0.5
82.5±0.3
300 +30 0
(10)
(250)
Rotating Direction

25±0.5
3.5±0.4　3.5±0.4
Air Flow Direction

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

Inlet side
82.5±0.3
4-φ4.5
φ100
90
82.5±0.3
90

Outlet side
82.5±0.3
4-φ4.5
φ102
90
82.5±0.3
90

■ Options （Unit : mm）

Finger guards
Model : 109-099C Surface treatment : Nickel-chrome plating（silver） Color

Outlet side

4.3±0.3
5 $^{+1}_{0}$
φ1.6
φ1.6
φ39.8
φ87
120.5 $^{+1.5}_{-0.5}$
99
φ116.6

Model : 109-099E Surface treatment : Nickel-chrome plating（silver） Color
: 109-099H : Cation electropainting（black）

Inlet side, Outlet side

4.3±0.3
5 $^{+1}_{0}$
φ1.6
φ1.6
φ87
120.5 $^{+1.5}_{-0.5}$
99
91
φ116.6

Resin Finger guards
Model : 109-1001G

92±1
82.5±0.3
92±1
82.5±0.3
7±0.5
4-2±0.5
4-φ4.3±0.3

Splash Proof Fan 92mm
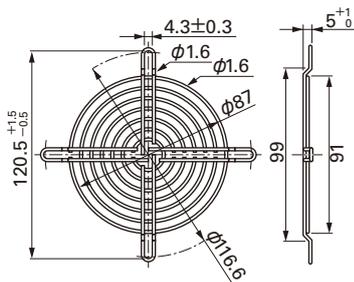
■ Air Flow - Static Pressure Characteristics

H speed

(inch H₂O) (Pa)

Static Pressure →

0.30 / 70
0.25 / 60
0.20 / 50
0.15 / 40
0.10 / 30
/ 20
0.05 / 10
0 / 0

13.8V/27.6V/55.2V
12V/24V/48V
10.2V/20.4V/40.8V

0.5 1.0 1.5 2.0 (m³/min)
0 10 20 30 40 50 60 70 (CFM)
→ Air Flow
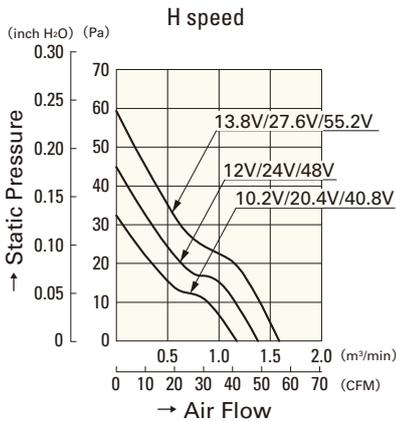
109W0912H401-U
109W0924H401-U
109W0948H401-U

F speed

(inch H₂O) (Pa)

Static Pressure →

0.20 / 50
/ 40
0.15 / 30
0.10 / 20
0.05 / 10
0 / 0

13.8V/27.6V
12V/24V
10.2V/20.4V

0.5 1.0 1.5 (m³/min)
0 10 20 30 40 50 60 (CFM)
→ Air Flow
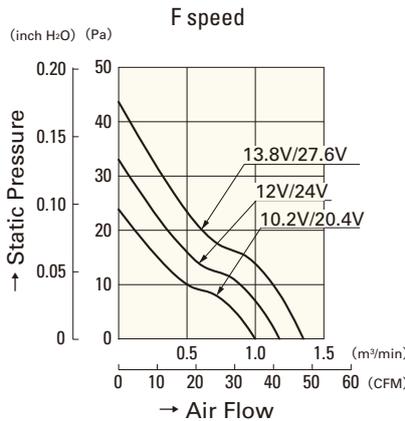
109W0912F401-U
109W0924F401-U

M speed

(inch H₂O) (Pa)

Static Pressure →

0.14 /
0.12 / 30
0.10 /
0.08 / 20
0.06 /
0.04 / 10
0.02 /
0 / 0

13.8V/27.6V
12V/24V
10.2V/20.4V

0.5 1.0 1.5 (m³/min)
0 10 20 30 40 50 (CFM)
→ Air Flow
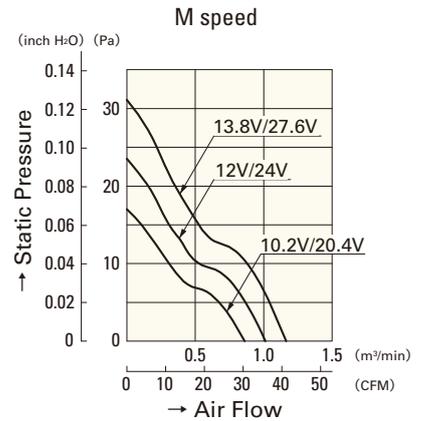
109W0912M401-U
109W0924M401-U

L speed

(inch H₂O) (Pa)

Static Pressure →

0.10 / 25
0.08 / 20
0.06 / 15
0.04 / 10
0.02 / 5
0 / 0

13.8V/27.6V
12V/24V
10.2V/20.4V

0.2 0.4 0.6 0.8 1.0 1.2 (m³/min)
0 10 20 30 40 (CFM)
→ Air Flow
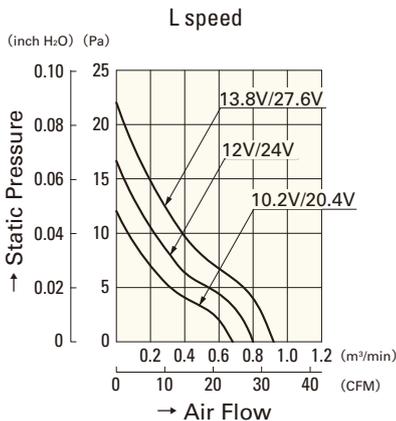
109W0912L401-U
109W0924L401-U

92mm

Mouser Electronics

Authorized Distributor

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[109W0924M401](#) [109W0912M401](#) [109W0912L401](#)