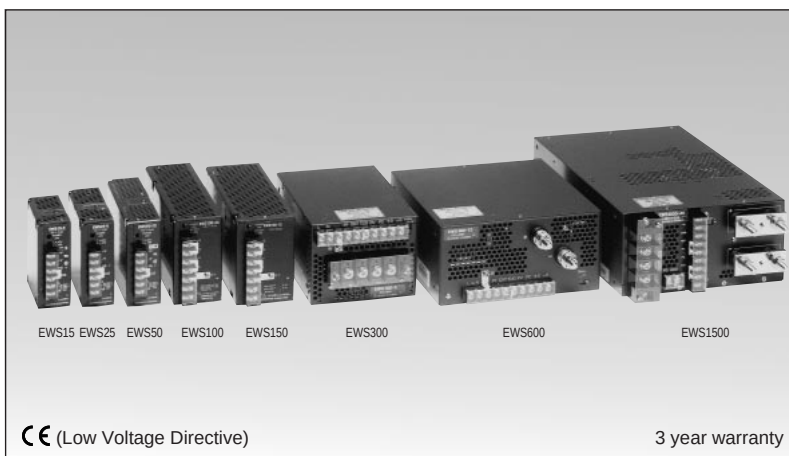




## Model name

**EWS 15-5**

Name of series      Output power

Nominal output voltage

## Features

- CE marking (Low Voltage Directive)
- 74 models, 15 ~ 1500W
- Wide input voltage range
  - EWS15, 25, 50: 85 ~ 265VAC universal input
  - EWS100, 150, 300, 600: 100/200VAC auto-selectable
  - EWS1500: 100/200VAC user-selectable
- Wide output voltage range:  $\pm 20\%$  (EWS300, 600, 1500)
- Output voltage programmable (EWS1500):
  - 0V to nominal output voltage by external control
- 3 year warranty

## Specifications

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Input voltage range                               | EWS15, 25, 50: 85 ~ 265VAC (47 ~ 440Hz), DC110 ~ 330V universal input<br>EWS100, 150, 300, 600: 85 ~ 132VAC/170 ~ 265VAC (47 ~ 63Hz) auto-selectable<br>EWS1500: 85 ~ 132VAC/170 ~ 265VAC (47 ~ 63Hz) user-selectable                                                                                                                                                                                                            |
| 2. Output voltage range                              | EWS15, 25, 50, 100, 150: $\pm 10\%$<br>EWS300, 600, 1500: $\pm 20\%$ (2V: $-10 \sim +20\%$ )<br>EWS1500: $\pm 20\%$ or 0V to nominal output voltage $\times 120\%$ by external control                                                                                                                                                                                                                                           |
| 3. Cooling                                           | EWS15, 25, 50, 100, 150: Convection cooling, EWS300, 600, 1500: Forced air cooling by internal fan                                                                                                                                                                                                                                                                                                                               |
| 4. Operating ambient temperature (Standard mounting) | $-10 \sim +60^{\circ}\text{C}$ (Output derating)<br>EWS15, 25, 50/ $-10^{\circ}\text{C}$ : 70%, $0 \sim +50^{\circ}\text{C}$ : 100%, $+60^{\circ}\text{C}$ : 50%<br>EWS100, 150/ $-10^{\circ}\text{C}$ : 72%, $0 \sim +40^{\circ}\text{C}$ : 120%, $+50^{\circ}\text{C}$ : 100%, $+60^{\circ}\text{C}$ : 48%<br>EWS300, 600, 1500/ $-10^{\circ}\text{C}$ : 70%, $0 \sim +50^{\circ}\text{C}$ : 100%, $+60^{\circ}\text{C}$ : 70% |
| 5. Withstand voltage                                 | Input-output: 3.75kVAC, Input-FG: 2.5kVAC, Output-FG: 500VAC for 1 min.                                                                                                                                                                                                                                                                                                                                                          |
| 6. Safety standard                                   | Approved by UL1950  , CSA950  (EWS300: approved by CSA234) and EN60950                                                                                                |
| 7. EMI                                               | Conforms to VCCI-class A and FCC class A                                                                                                                                                                                                                                                                                                                                                                                         |
| 8. Functions                                         | Over voltage protection, Over current protection, Remote sensing (EWS100 ~ 1500), Remote on/off control (EWS300 ~ 1500), Output current balancing (EWS300 ~ 1500)                                                                                                                                                                                                                                                                |

## Product lineup

| Model name |           | Nominal output voltage | Max. output current | Max. output power | UL | CSA | EN |
|------------|-----------|------------------------|---------------------|-------------------|----|-----|----|
| EWS15      | EWS15-5   | 5V                     | 3.0A                | 15W               | ○  | ○   | ○  |
|            | EWS15-6   | 6V                     | 2.5A                | 15W               | ○  | ○   | ○  |
|            | EWS15-9   | 9V                     | 1.7A                | 15.3W             | ○  | ○   | ○  |
|            | EWS15-12  | 12V                    | 1.4A                | 16.8W             | ○  | ○   | ○  |
|            | EWS15-15  | 15V                    | 1.1A                | 16.5W             | ○  | ○   | ○  |
|            | EWS15-18  | 18V                    | 0.9A                | 16.2W             | ○  | ○   | ○  |
|            | EWS15-24  | 24V                    | 0.7A                | 16.8W             | ○  | ○   | ○  |
|            | EWS15-28  | 28V                    | 0.6A                | 16.8W             | ○  | ○   | ○  |
| EWS25      | EWS25-48  | 48V                    | 0.35A               | 16.8W             | ○  | ○   | ○  |
|            | EWS25-5   | 5V                     | 5.0A                | 25.0W             | ○  | ○   | ○  |
|            | EWS25-6   | 6V                     | 4.2A                | 25.2W             | ○  | ○   | ○  |
|            | EWS25-9   | 9V                     | 2.8A                | 25.2W             | ○  | ○   | ○  |
|            | EWS25-12  | 12V                    | 2.2A                | 26.4W             | ○  | ○   | ○  |
|            | EWS25-15  | 15V                    | 1.8A                | 27W               | ○  | ○   | ○  |
|            | EWS25-18  | 18V                    | 1.5A                | 27W               | ○  | ○   | ○  |
|            | EWS25-24  | 24V                    | 1.2A                | 28.8W             | ○  | ○   | ○  |
| EWS50      | EWS50-28  | 28V                    | 1.0A                | 28W               | ○  | ○   | ○  |
|            | EWS50-48  | 48V                    | 0.6A                | 28.8W             | ○  | ○   | ○  |
|            | EWS50-5   | 5V                     | 10.0A               | 50.0W             | ○  | ○   | ○  |
|            | EWS50-6   | 6V                     | 8.4A                | 50.4W             | ○  | ○   | ○  |
|            | EWS50-9   | 9V                     | 5.6A                | 50.4W             | ○  | ○   | ○  |
|            | EWS50-12  | 12V                    | 4.4A                | 52.8W             | ○  | ○   | ○  |
|            | EWS50-15  | 15V                    | 3.6A                | 54.0W             | ○  | ○   | ○  |
|            | EWS50-18  | 18V                    | 3.2A                | 57.6W             | ○  | ○   | ○  |
| EWS100     | EWS100-24 | 24V                    | 2.4A                | 57.6W             | ○  | ○   | ○  |
|            | EWS100-28 | 28V                    | 2.0A                | 56.0W             | ○  | ○   | ○  |
|            | EWS100-48 | 48V                    | 1.2A                | 57.6W             | ○  | ○   | ○  |
|            | EWS100-5  | 5V                     | 20A                 | 100W              | ○  | ○   | ○  |
|            | EWS100-6  | 6V                     | 16.7A               | 100.2W            | ○  | ○   | ○  |
|            | EWS100-9  | 9V                     | 11.2A               | 100.8W            | ○  | ○   | ○  |
|            | EWS100-12 | 12V                    | 8.4A                | 100.8W            | ○  | ○   | ○  |
|            | EWS100-15 | 15V                    | 6.7A                | 100.5W            | ○  | ○   | ○  |
| EWS150     | EWS150-18 | 18V                    | 5.6A                | 100.8W            | ○  | ○   | ○  |
|            | EWS150-24 | 24V                    | 4.2A                | 100.8W            | ○  | ○   | ○  |
|            | EWS150-28 | 28V                    | 3.6A                | 100.8W            | ○  | ○   | ○  |
|            | EWS150-48 | 48V                    | 2.1A                | 100.8W            | ○  | ○   | ○  |

| Model name |             | Nominal output voltage | Max. output current | Max. output power | UL | CSA | EN |
|------------|-------------|------------------------|---------------------|-------------------|----|-----|----|
| EWS150     | EWS150-5    | 5V                     | 30A                 | 150W              | ○  | ○   | ○  |
|            | EWS150-6    | 6V                     | 25A                 | 150W              | ○  | ○   | ○  |
|            | EWS150-9    | 9V                     | 16.7A               | 150.3W            | ○  | ○   | ○  |
|            | EWS150-12   | 12V                    | 12.5A               | 150W              | ○  | ○   | ○  |
|            | EWS150-15   | 15V                    | 10A                 | 150W              | ○  | ○   | ○  |
|            | EWS150-18   | 18V                    | 8.4A                | 151.2W            | ○  | ○   | ○  |
|            | EWS150-24   | 24V                    | 6.3A                | 151.2W            | ○  | ○   | ○  |
|            | EWS150-28   | 28V                    | 5.4A                | 151.2W            | ○  | ○   | ○  |
| EWS300     | EWS150-48   | 48V                    | 3.15A               | 151.2W            | ○  | ○   | ○  |
|            | EWS300-2    | 2V                     | 60A                 | 120W              | ○  | Δ   | Δ  |
|            | EWS300-5    | 5V                     | 60A                 | 300W              | ○  | ○   | ○  |
|            | EWS300-6    | 6V                     | 50A                 | 300W              | ○  | Δ   | Δ  |
|            | EWS300-9    | 9V                     | 34A                 | 306W              | ○  | Δ   | Δ  |
|            | EWS300-12   | 12V                    | 27A                 | 324W              | ○  | ○   | ○  |
|            | EWS300-15   | 15V                    | 22A                 | 330W              | ○  | ○   | ○  |
|            | EWS300-18   | 18V                    | 18A                 | 324W              | ○  | ○   | ○  |
| EWS600     | EWS300-24   | 24V                    | 14A                 | 336W              | ○  | ○   | ○  |
|            | EWS300-28   | 28V                    | 12A                 | 336W              | ○  | ○   | ○  |
|            | EWS300-48   | 48V                    | 7A                  | 336W              | ○  | ○   | ○  |
|            | EWS600-2    | 2V                     | 120A                | 240W              | ○  | ○   | Δ  |
|            | EWS600-5    | 5V                     | 120A                | 600W              | ○  | ○   | ○  |
|            | EWS600-6    | 6V                     | 100A                | 600W              | ○  | ○   | Δ  |
|            | EWS600-9    | 9V                     | 68A                 | 612W              | ○  | ○   | Δ  |
|            | EWS600-12   | 12V                    | 53A                 | 636W              | ○  | ○   | ○  |
| EWS1500    | EWS600-15   | 15V                    | 43A                 | 645W              | ○  | ○   | ○  |
|            | EWS600-18   | 18V                    | 35A                 | 630W              | ○  | ○   | Δ  |
|            | EWS600-24   | 24V                    | 27A                 | 648W              | ○  | ○   | ○  |
|            | EWS600-28   | 28V                    | 23A                 | 644W              | ○  | ○   | Δ  |
|            | EWS600-48   | 48V                    | 13A                 | 624W              | ○  | ○   | ○  |
|            | EWS1500-2   | 2V                     | 300A                | 600W              | ○  | ○   | ○  |
|            | EWS1500-3.3 | 3.3V                   | 300A                | 990W              | ○  | ○   | ○  |
|            | EWS1500-5   | 5V                     | 300A                | 1500W             | ○  | ○   | ○  |
| EWS1500    | EWS1500-10  | 10V                    | 150A                | 1500W             | ○  | ○   | ○  |
|            | EWS1500-12  | 12V                    | 125A                | 1500W             | ○  | ○   | ○  |
|            | EWS1500-15  | 15V                    | 100A                | 1500W             | ○  | ○   | ○  |
|            | EWS1500-24  | 24V                    | 63A                 | 1512W             | ○  | ○   | ○  |
|            | EWS1500-48  | 48V                    | 32A                 | 1536W             | ○  | ○   | ○  |

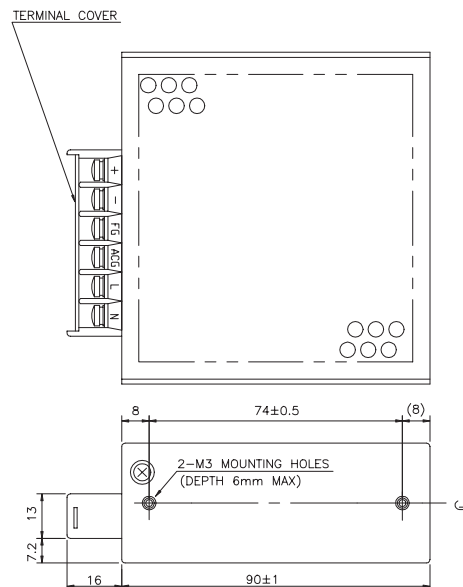
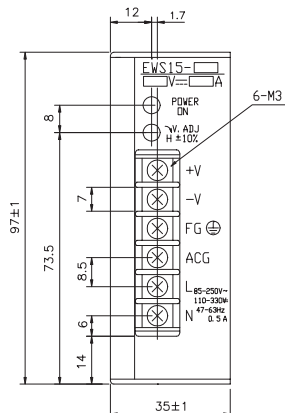
- Request customer specification for further details of specifications, outline, characteristics, etc.
- Read the instruction manual before usage.
- Contact us about delivery before ordering.

○ : Safety standard approved  
 Δ : Conforms to safety standard

# EWS-SERIES

**LAMBDA**  
DENSEI-LAMBDA

## EWS15



### Recommended Noise Filter

MAW-1201-22

GO!!



P134

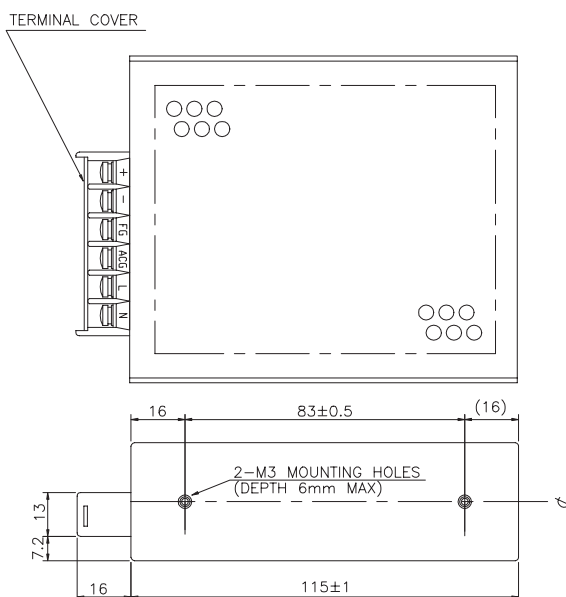
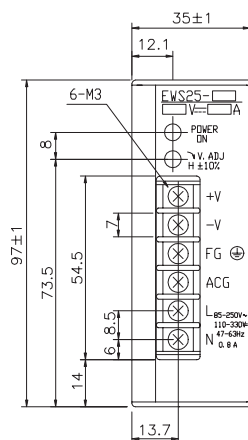
### Recommended Power Supply Fixture



P198

(Unit: mm)

## EWS25



### Recommended Noise Filter

MAW-1201-22

GO!!



P134

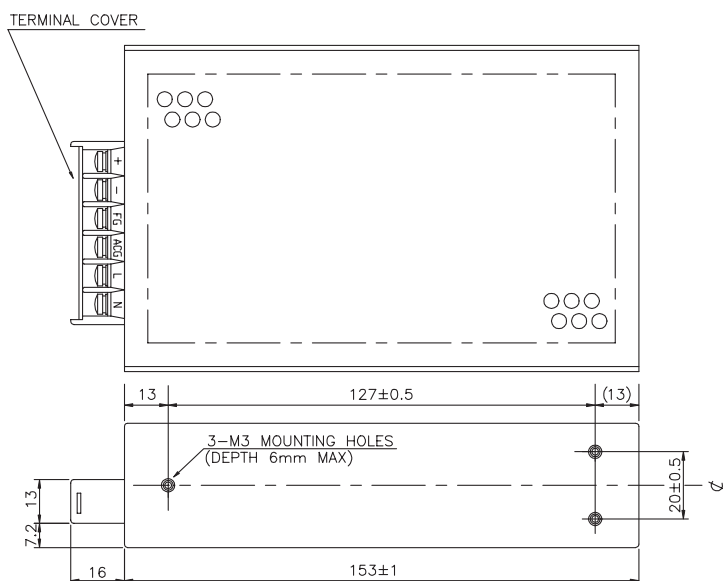
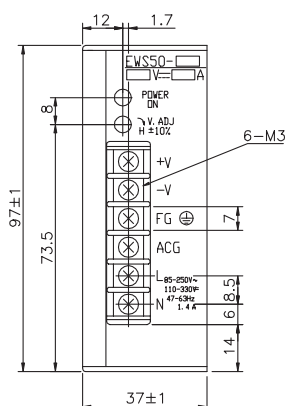
### Recommended Power Supply Fixture



P198

(Unit: mm)

## EWS50



### Recommended Noise Filter

MAW-1202-22

GO!!



P134

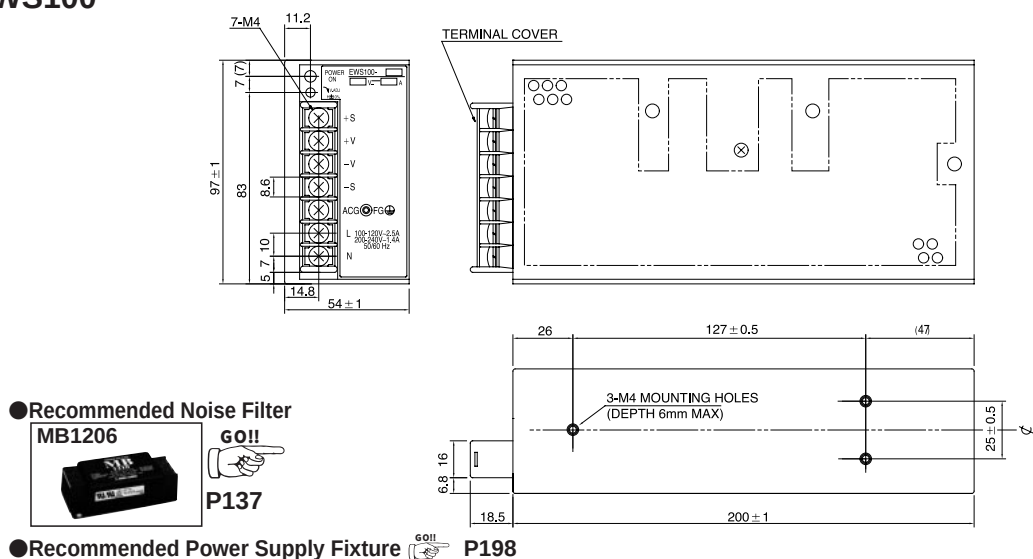
### Recommended Power Supply Fixture



P198

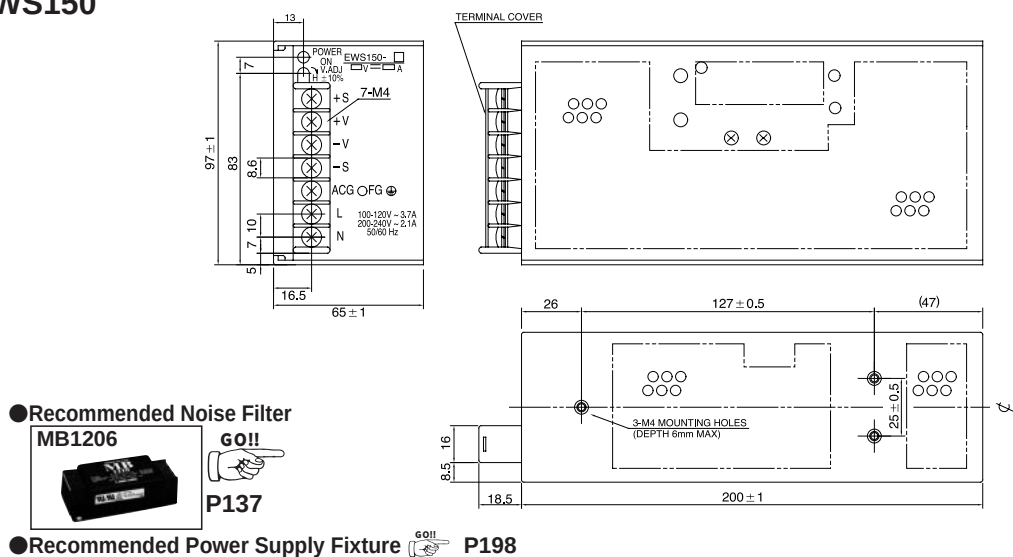
(Unit: mm)

**EWS100**



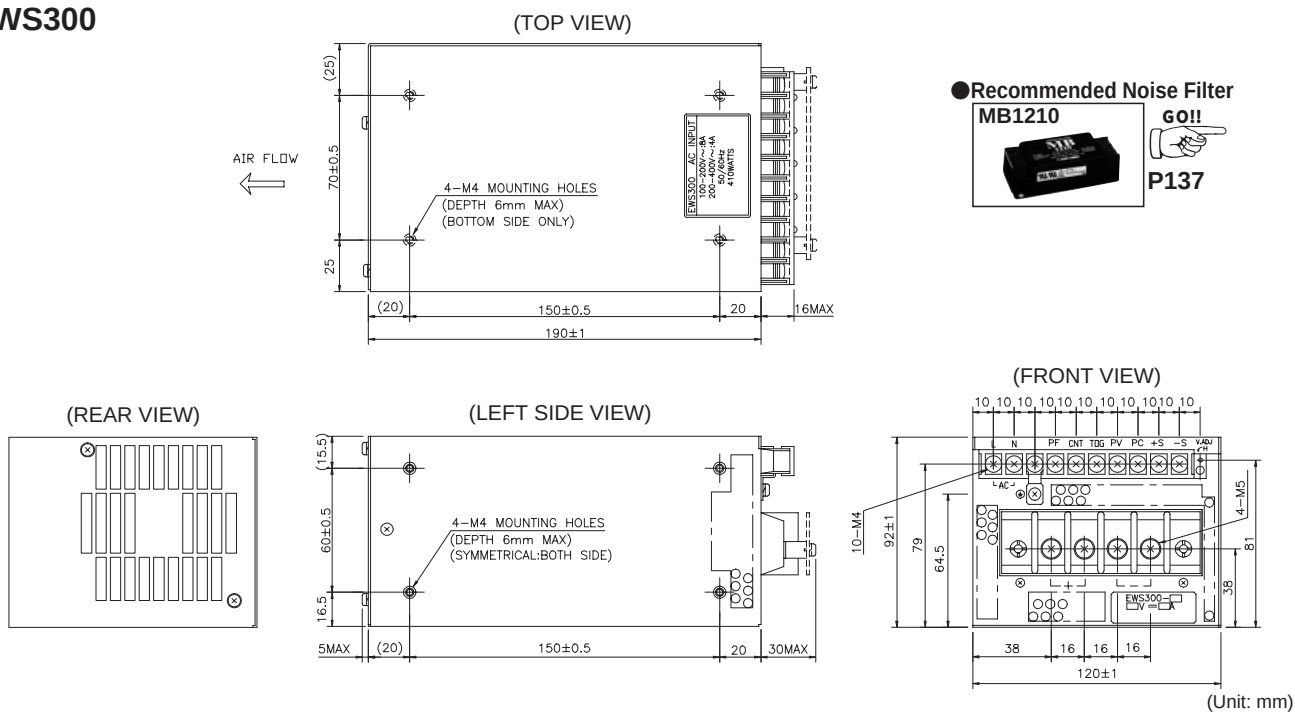
(Unit: mm)

■ **EWS150**



(Unit: mm)

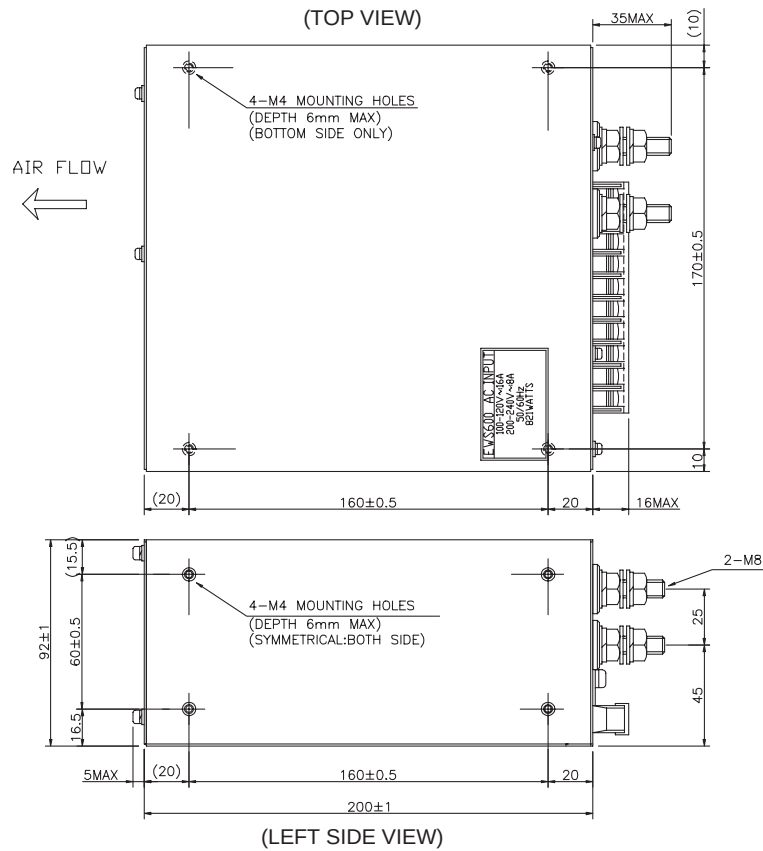
■ **EWS300**



(Unit: mm)

# EWS-SERIES

## ■ EWS600

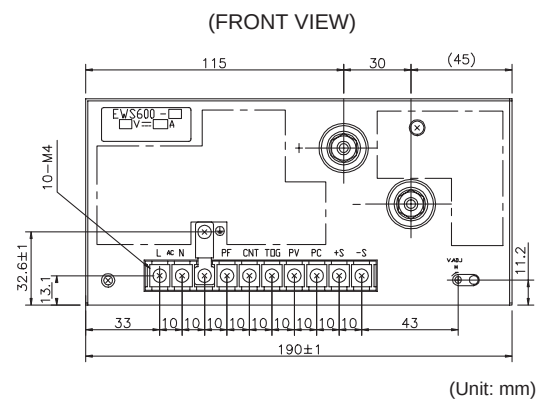


● Recommended Noise Filter

MB1220



GO!!  
P137



## ■ EWS1500

