

## DESCRIPTION

TOA's A-3600D Series is a PA amplifier equipped with 4 microphone inputs and 3 auxiliary inputs, and 2-channel zone selector. It employs a PFC circuit. It also features the following functions: Volume control function, Priority function, Chime function, and Remote confirmation function. In addition, it is equipped with a 2-channel input BUS of BUS 1 and BUS 2, and the signal processing function. The A-3600D Series mixer amplifier is ideal for paging announcement and BGM applications in schools, offices, and super markets.

## SPECIFICATIONS

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Source              | 100 – 240 V AC, 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Rated Output              | 480 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Power/Current Consumption | 601 W (rated output), 113 W (based on EN62368),<br>200 mA or less (when power switch is OFF)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Frequency Response        | 50 Hz – 20 kHz $\pm 3$ dB (1/8 rated output)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Distortion                | 1 % or less at 1 kHz, rated power (20 kHz LPF (AUX-0025))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Tone Control              | Bass: $\pm 10$ dB at 100 Hz<br>Treble: $\pm 10$ dB at 10 kHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Signal to Noise Ratio     | 88 dB or more (Master volume: min)<br>76 dB or more (Master volume: max)<br>55 dB or more (INPUT 1 – 6)<br>72 dB or more (INPUT 7)<br>(A-weighted)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Audio Input               | INPUT 1, 2: $-60$ dB (*1) (MIC)/ $-20$ dB (*1) (LINE) selectable, 600 $\Omega$ ,<br>electronically-balanced, removable terminal block (3 pins)<br>Note: MIC inputs are equipped with phantom power (24 V DC, ON/OFF switchable).<br>INPUT 3, 4: $-60$ dB (*1), 600 $\Omega$ , electronically-balanced, removable terminal block (3 pins)<br>Note: Equipped with phantom power (24 V DC, ON/OFF switchable).<br>INPUT 5, 6: MIC (BUS 1)/LINE (BUS 2) selectable<br>MIC: $-60$ dB (*1), 600 $\Omega$ , electronically-balanced, removable terminal block (3 pins)<br>LINE: $-20$ dB (*1), 10 k $\Omega$ , unbalanced, RCA pin jack $\times 2$<br>INPUT 7: $-20$ dB (*1), 10 k $\Omega$ , unbalanced, RCA pin jack $\times 2$<br>PWR AMP IN: 0 dB (*1), 600 $\Omega$ , unbalanced, RCA pin jack |
| Input Bus                 | INPUT 1 – 4 : BUS 1<br>INPUT 5, 6 : BUS 1/BUS 2 selectable<br>INPUT 7 : BUS 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Audio Output              | SPEAKER OUT: Low impedance (4 – 16 $\Omega$ )/<br>High impedance (DIRECT, ZONE 1/ZONE 2: 100 V/total 21 $\Omega$ ),<br>removable terminal block (6 pins)<br>(ZONE 1/ZONE 2 is selectable, Max. 480 W per output)<br>REC OUT: 0 dB (*1), 600 $\Omega$ , unbalanced, RCA pin jack<br>LINE OUT 1, 2: 0 dB (*1), 600 $\Omega$ , unbalanced, RCA pin jack,<br>(Interlock with zone selection is possible)                                                                                                                                                                                                                                                                                                                                                                                         |
| Control Input             | 4 channels, no-voltage make contact input, open voltage: 35 V DC or less,<br>short-circuit current: 10 mA or less, removable terminal block (4 pins)<br>REMOTE VOLUME: Removable terminal block (4 pins)<br>ZONE CONTROL IN: No-voltage make contact input, open voltage: 35 V DC or less,<br>short-circuit current: 10 mA or less, removable terminal block (4 pins)                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Control Output            | POWER REMOTE OUT: Open collector output, withstand voltage: 30 V DC or less,<br>control current: 25 mA or less, removable terminal block (4 pins)<br>EMERGENCY OUT: Open collector output, withstand voltage: 30 V DC or less,<br>control current: 25 mA or less, removable terminal block (4 pins)<br>ZONE CONTROL OUT: Open collector output, withstand voltage: 30 V DC or less,<br>control current: 25 mA or less, removable terminal block (4 pins)                                                                                                                                                                                                                                                                                                                                     |
| Chime                     | 1-note, 2-note, or ascending 4-note chime, or None selectable with switch setting                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Indicators                | 5-point LED output level meter, Power indicator LED, LAN Connect indicator LED,<br>Priority indicator LED, Emergency indicator LED, Thermal protection indicator LED,<br>Over current protection indicator LED, CPU RUN indicator LED, Error indicator LED,<br>Zone 1 indicator LED, Zone 2 indicator LED                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Operating Temperature     | $-10^{\circ}\text{C}$ to $+40^{\circ}\text{C}$ ( $14^{\circ}\text{F}$ to $104^{\circ}\text{F}$ )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Operating Humidity        | 85 %RH or less (no condensation)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Finish                    | Panel: ABS resin, black<br>Case: Surface-treated steel plate, black, paint                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Dimensions                | 420 (W) $\times$ 96.1 (H) $\times$ 313.1 (D) mm (16.54" $\times$ 3.78" $\times$ 12.33")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Weight                    | 5.2 kg (11.46 lb)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## SPECIFICATIONS

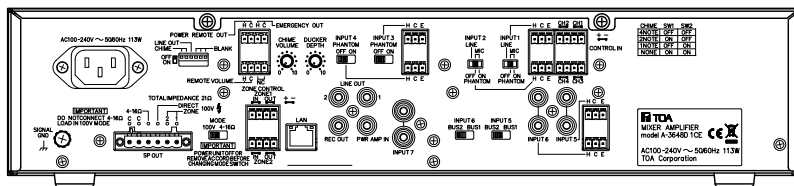
|           |                                                                                                                                                                                                                                                                                                           |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Accessory | Power cord (2 m (6.56 ft)) ---1, Audio input removable terminal plug (3.81 mm, 3 pins) ---6, Control I/O removable terminal plug (3.81 mm, 4 pins) ---4, Remote control removable terminal plug (3.5 mm, 4 pins) ---2, Speaker out removable terminal plug (5 mm, 6 pins) ---1, Volume control cover ---4 |
| Option    | Rack mounting bracket: MB-25B<br>Perforated panel : PF-013B                                                                                                                                                                                                                                               |

(\*) 0 dB = 1 V

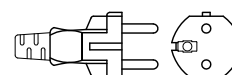
## APPEARANCE

### Rear View

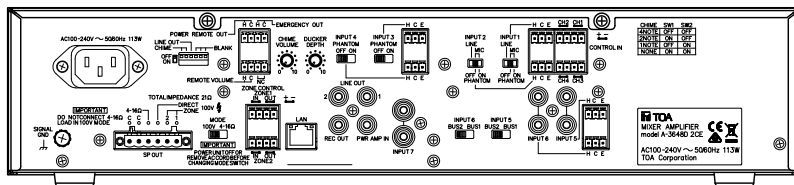
1CE  
model



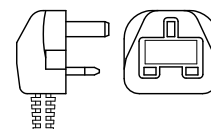
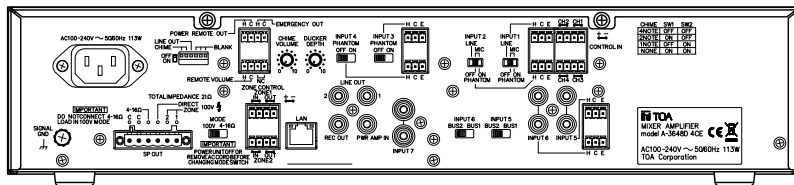
AC plug



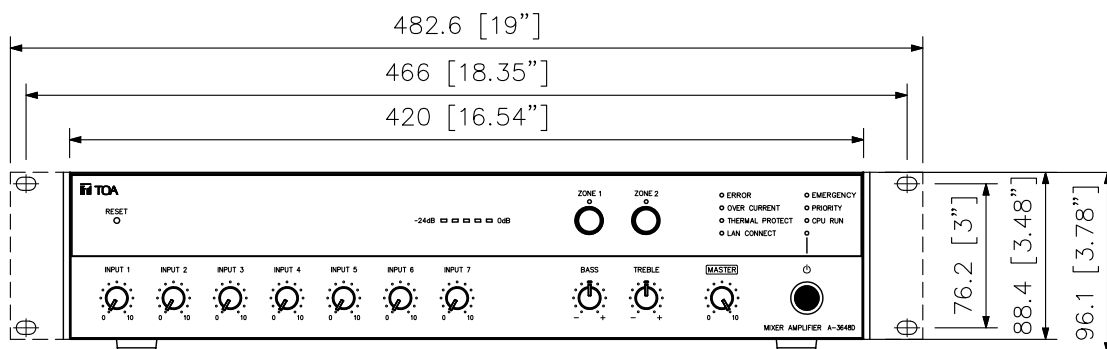
2CE  
model



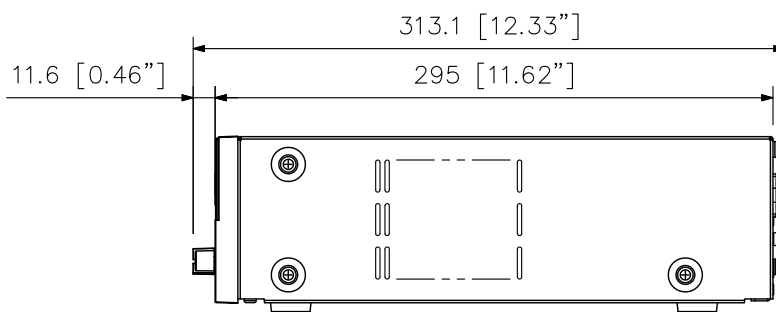
4CE  
model



### Front View



### Side View



UNIT:mm SCALE:1/4