



PROFESSIONAL AUDIO



Professional Sound System



# I NDEX

3

## LOUDSPEAKERS

LA SERIES	
REF SERIES	
MB SERIES	15
MX SERIES	17
MA SERIES	19
CA SERIES	21
SF/ST SERIES	25
FA SERIES	27
TA SERIES	29
TC SERIES	31
TQ SERIES	34
FC SERIES	37
SB SERIES	39
DSP ACTIVE SERIES	41
NUQ SERIES	45
SUB SERIES	47
DF SERIES	53
TTK SERIES	55

57

## AMPLIFIERS

KE SERIES	57
TP SERIES	59
FP SERIES	61
Q SERIES	63
ELECTRONIC PRODUCT	65



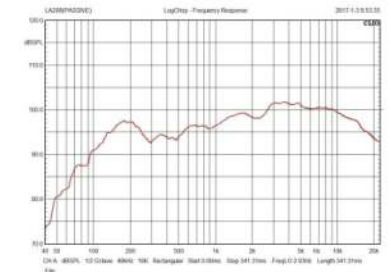
# LA SERIES

# LA SERIES

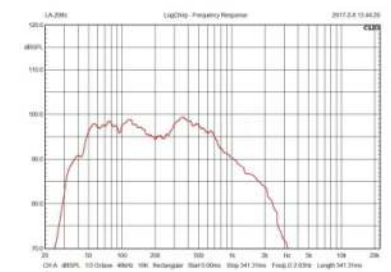


TECHNICAL FEATURES	LA-208	LA-208S
<b>Type</b>	Two-way passive	Vented sub-bass system
<b>Components</b>	LF: 2 x 8" (52mm voice coil) HF: 1 x 1.75" (44mm voice coil)	LF: 1 x 18" (100mm voice coil)
<b>Frequency</b>	100Hz-17.5kHz	35Hz-200Hz
<b>Power(AES)</b>	300W	1200W
<b>(PEAK)</b>	1200W	4800W
<b>Impedance</b>	16 Ohms	8 Ohms
<b>Sensitivity(1W/1m)</b>	101 dB	98 dB
<b>SPL/1m peak</b>	132 dB	135 dB
<b>Dispersion(H x V)</b>	100° x 7°	Omnidirectional
<b>Connectors</b>	2 x EP-8(pin: 1+2-)	2 x Speakon NL4MP (Pin: 1+1-)
<b>Dimensions(HxWxD)</b>	224 x 630 x 385mm	605 x 630 x 680mm
<b>Net weight</b>	21.45 kg	47.50 kg
<b>Enclosure material</b>	Multilayer birch plywood	Multilayer birch plywood
<b>Finish</b>	Emery spraying craft	
<b>Handing position</b>	Adjustable (0°to7°) rigging system	Adjustable rigging system

## FREQUENCY RESPONSE



(LA-208)

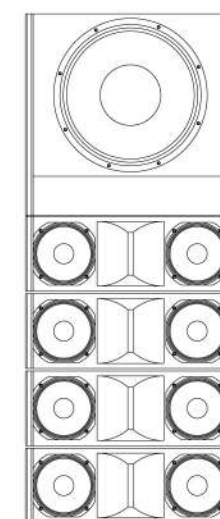


(LA-208S)

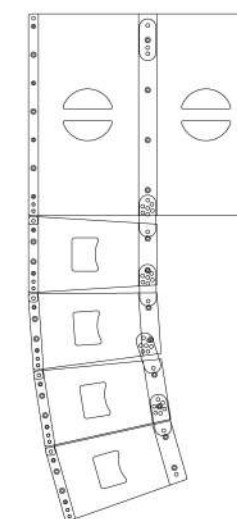
## ACCESSORIES & EQUIPMENT



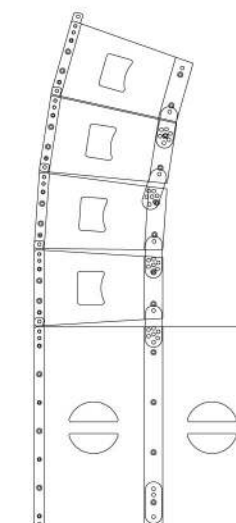
## DRAWING



Front view



Side view-1



Side view-2

# TP SERIES



# TP SERIES



Front view



Rear view

TECHNICAL FEATURES	TP7	TP9	TP12	TP15	TP413
<b>Power</b>					
8 ohms stereo	700W x 2	900W x 2	1200W x 2	1500W x 2	1300W x 4
4 ohms stereo	1200W x 2	1600W x 2	2000W x 2	2500W x 2	2350W x 4
2 ohms stereo	1750W x 2	2250W x 2	3000W x 2	3750W x 2	3250W x 4
<b>Frequency</b>	20Hz-20kHz				
<b>Slew rate</b>	>20v/us				
<b>Damping factor</b>	<200				
<b>S/N rate</b>	>90 dB				
<b>THD+N</b>	<0.05%				
<b>Input sensitivity</b>	36/37/38/40/41/42dB				
<b>Input impedance</b>	10k ohms Balanced / Unbalanced				
<b>Protection</b>	Overheat, short circuits, DC, Limit and soft start, Output relay-zero current switch, intellectual clip limit				
<b>AC input voltage</b>	AC 230v 50-60Hz				
<b>Dimensions (W x H x D)</b>	483 x 90 x 396 (mm)				

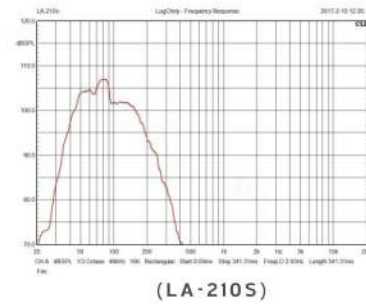
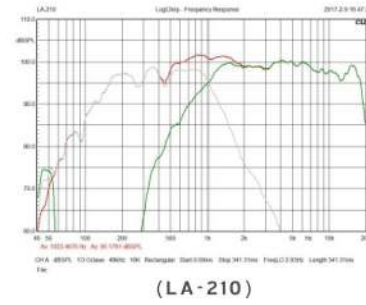
## ACCESSORIES



## TECHNICAL FEATURES

	LA-210	LA-210S
<b>Type</b>	Two-way active	Vented sub-bass system
<b>Components</b>	LF: 2 x 10" (99.3mm voice coil) HF: 1 x 3" (75mm voice coil)	LF: 1 x 18" (100mm voice coil)
<b>Frequency</b>	135Hz-20kHz	39Hz-197Hz
<b>Power(AES)</b>	LF: 800W / HF: 100W	1200W
<b>(PEAK)</b>	LF: 3200W / HF: 400W	4800W
<b>Impedance</b>	LF: 16 Ohms / HF: 8 Ohms	8 Ohms
<b>Sensitivity(1W/1m)</b>	105 dB	104 dB
<b>SPL/1m peak</b>	141 dB	141 dB
<b>Dispersion(H x V)</b>	100° x 10°	Omnidirectional
<b>Connectors</b>	2 x EP-8 (pin: LF: 1+2- / HF: 3+4-)	2 x Speakon NL4MP (Pin: 1+1-)
<b>Dimensions(HxWxD)</b>	300 x 833 x 400mm	575 x 833 x 700mm
<b>Net weight</b>	40.45 kg	52.10 kg
<b>Enclosure material</b>	Multilayer birch plywood	Multilayer birch plywood
<b>Finish</b>	Emery spraying craft	
<b>Handing position</b>	Adjustable (0° to 10°) rigging system	Adjustable rigging system

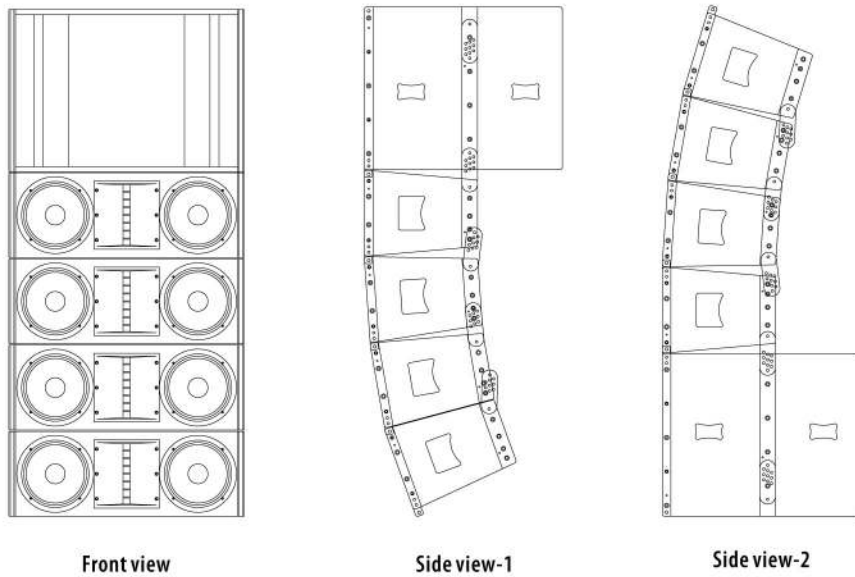
## FREQUENCY RESPONSE



## ACCESSORIES & EQUIPMENT



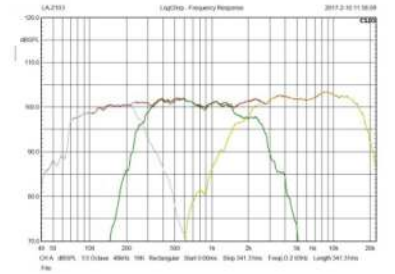
## DRAWING



## TECHNICAL FEATURES

	LA-2103
<b>Type</b>	Three-way active
<b>Components</b>	LF: 2 x 10" (99.3mm voice coil) MF: 1 x 8" (50mm voice coil) HF: 1 x 3" (75mm voice coil)
<b>Frequency</b>	62Hz-18kHz
<b>Power(AES)</b>	LF: 800W / MF: 150W / HF: 100W
<b>(PEAK)</b>	LF: 3200W / MF: 600W / HF: 400W
<b>Impedance</b>	LF: 16 Ohms / MF: 8 Ohms / HF: 8 Ohms
<b>Sensitivity(1W/1m)</b>	102 dB
<b>SPL/1m peak</b>	138 dB
<b>Dispersion(H x V)</b>	80° x 10°
<b>Connectors</b>	2 x EP-8 (pin: LF: 1+2- / MF: 3+4- / HF: 5+6-)
<b>Dimensions(HxWxD)</b>	300 x 850 x 540mm
<b>Net weight</b>	47 kg
<b>Enclosure material</b>	Multilayer birch plywood
<b>Finish</b>	Emery spraying craft
<b>Handing position</b>	Adjustable (0° to 10°) rigging system

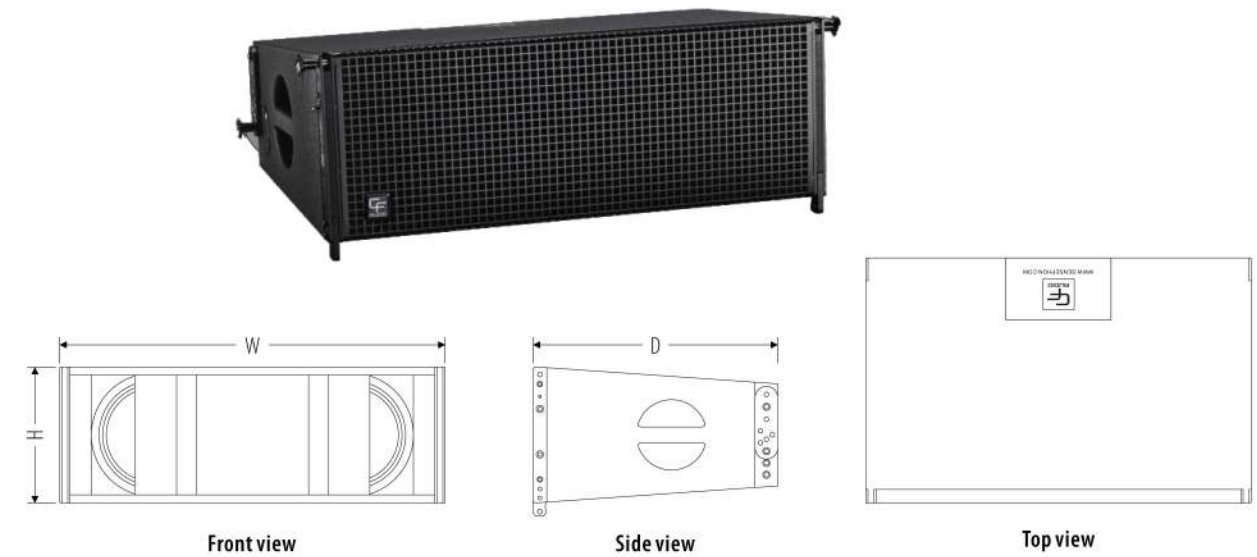
## FREQUENCY RESPONSE



## ACCESSORIES & EQUIPMENT



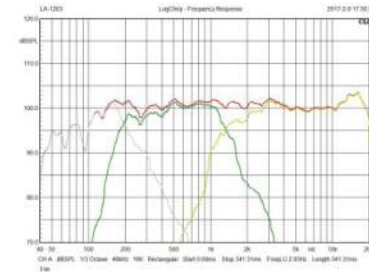
## DRAWING



## TECHNICAL FEATURES LA-2123

<b>Type</b>	Three-way active
<b>Components</b>	LF: 2 x 12" (100mm voice coil) MF: 1 x 10" (65mm voice coil) HF: 1 x 3" (75mm voice coil)
<b>Frequency</b>	50Hz-20kHz
<b>Power(AES)</b>	LF: 900W / MF: 350W / HF: 100W (AES)
<b>(PEAK)</b>	LF: 3600W / MF: 1400W / HF: 400W (Peak)
<b>Impedance</b>	LF: 16 Ohms / MF: 8 Ohms / HF: 8 Ohms
<b>Sensitivity(1W/1m)</b>	102 dB
<b>SPL/1m peak</b>	139 dB
<b>Dispersion(H x V)</b>	80° x 10°
<b>Connectors</b>	2 x EP-8 (pin: LF1+2- / MF3+4- / HF5+6-)
<b>Dimensions(HxWxD)</b>	356 x 1256 x 570mm
<b>Net weight</b>	78.60 kg
<b>Enclosure material</b>	Multilayer birch plywood
<b>Finish</b>	Emery spraying craft
<b>Handing position</b>	Adjustable (0° to 8°) rigging system

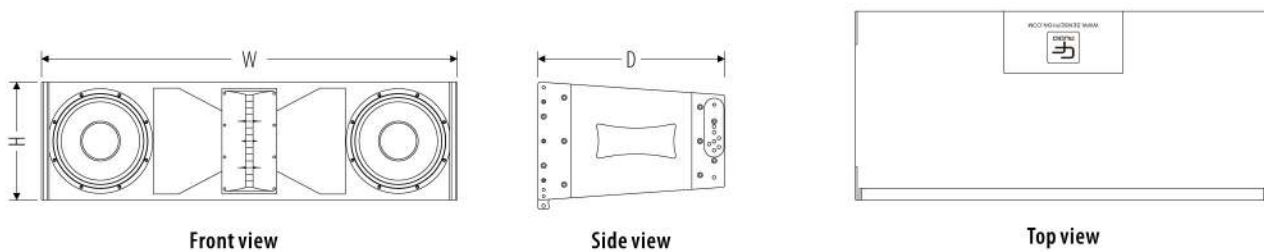
## FREQUENCY RESPONSE



## ACCESSORIES & EQUIPMENT



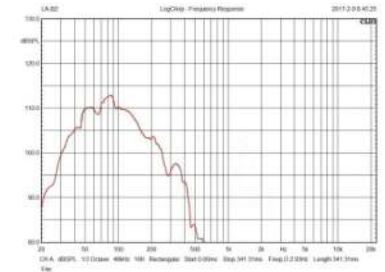
## DRAWING



## TECHNICAL FEATURES LA-B2

<b>Type</b>	Vented sub-bass system
<b>Components</b>	2 x 18" (100mm voice coil)
<b>Frequency</b>	28Hz-248Hz
<b>Power(AES)</b>	2400W
<b>(PEAK)</b>	9600W
<b>Impedance</b>	4 Ohms
<b>Sensitivity(1W/1m)</b>	109 dB
<b>SPL/1m peak</b>	149 dB
<b>Dispersion(H x V)</b>	Omnidirectional
<b>Connectors</b>	2 x Speakon (pin: 1+1-)
<b>Dimensions(HxWxD)</b>	605 x 1200 x 860mm
<b>Net weight</b>	101.45 kg
<b>Enclosure material</b>	Multilayer birch plywood
<b>Finish</b>	Emery spraying craft
<b>Handing position</b>	N/A

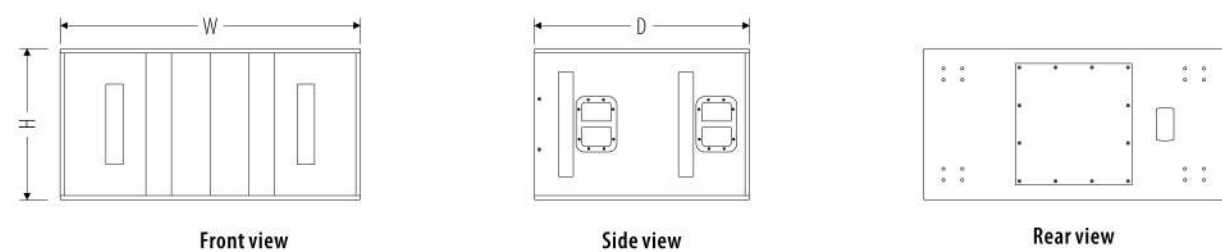
## FREQUENCY RESPONSE



## ACCESSORIES & EQUIPMENT



## DRAWING

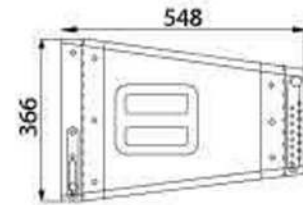


## TECHNICAL FEATURES

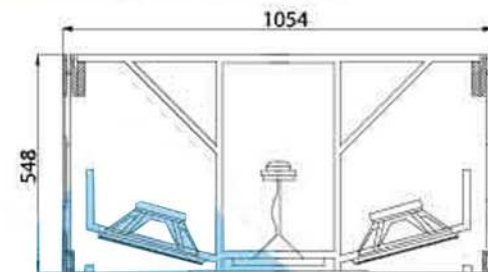
### LA-1203

<b>Frequency Response</b>	68Hz-16KHz(+/- 3dB)/ 58Hz-18KHz(-10dB)
<b>Sensitivity (1m/1w)</b>	LF: 103dB SPL/ HF: 113dB SPL
<b>Impedance</b>	LF/HF: 4/8 ohms
<b>Power Rating (AES)</b>	LF/MF/HF: 800/160W
<b>Drivers</b>	LF: 2x12" / HF: 1x3"
<b>Dispersion</b>	75°(H) x 1.5°(V)
<b>Max/Peak SPL</b>	LF: 132dB/137dB, HF:135dB/140dB
<b>Dimensions</b>	366x1054x548mm
<b>Weight</b>	65 kg
<b>Connectors</b>	2xNL4MP, LF:1+/1-,HF:2+/2-
<b>Suspension Hardware</b>	Embedded Flying System
<b>Colour</b>	Black and Environment Water Paint (Other Paint Colours Are Available for Options)

## CONSTRUCTION DRAWING



## CONSTRUCTION DRAWING



## IMAGES



### FEATURES:

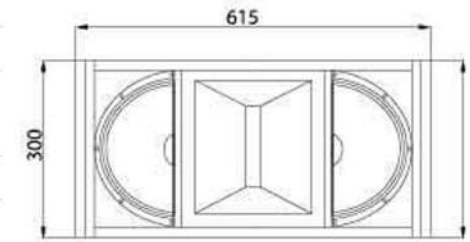
- Two-way Line Array System
- Big Gymnasium, Sporting Facilities, All kinds of Performance and Events
- Freely Switch Passive/ Active Crossover
- Increase LF by using LS18W or LSB2 Subwoofer System Extends

## TECHNICAL FEATURES

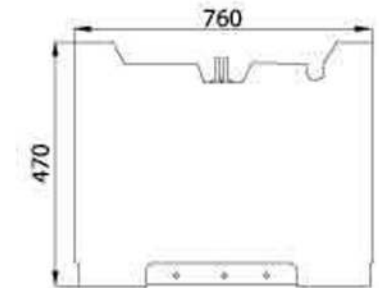
### LA-803

<b>Frequency Response</b>	80 Hz-18KHz(+/- 3dB)/70Hz-20KHz9(-10dB)
<b>Sensitivity (1m/1w)</b>	LF: 97dB SPL/ HF: 110dB SPL
<b>Impedance</b>	LF/HF: 4/8 ohms
<b>Power Rating (AES)</b>	LF/MF/HF: 400/80W
<b>Drivers</b>	LF: 2x8" / HF: 1x1"
<b>Dispersion</b>	100°(H) x 10°(V)
<b>Max/Peak SPL</b>	LF: 123dB/128dB, HF: 129dB/134dB
<b>Dimensions</b>	255x760x470 mm
<b>Weight</b>	25 kg
<b>Connectors</b>	2xNL4MP,LF:1+/1-,HF:2+/2-
<b>Suspension Hardware</b>	Embedded Flying System
<b>Colours</b>	Black and Environment Water Paint (Other Paint Colours Are Available for Options)

## CONSTRUCTION DRAWING



## CONSTRUCTION DRAWING



## IMAGES



### FEATURES:

- Two-way Line Array System
- Big Gymnasium, Sporting Facilities, All kinds of Performance and Events
- Used with LA803s, LA18w
- Increase LF by using LS18W or LSB2 Subwoofer System Extends

# REF SERIES

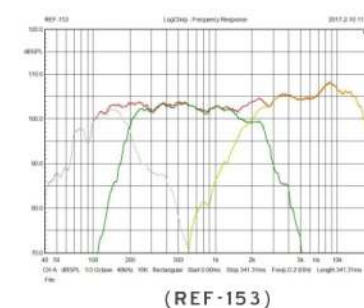
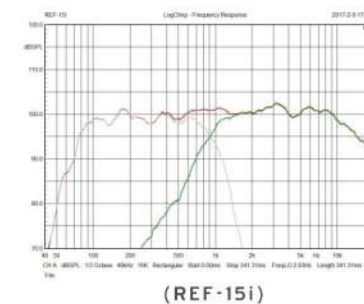


# REF SERIES

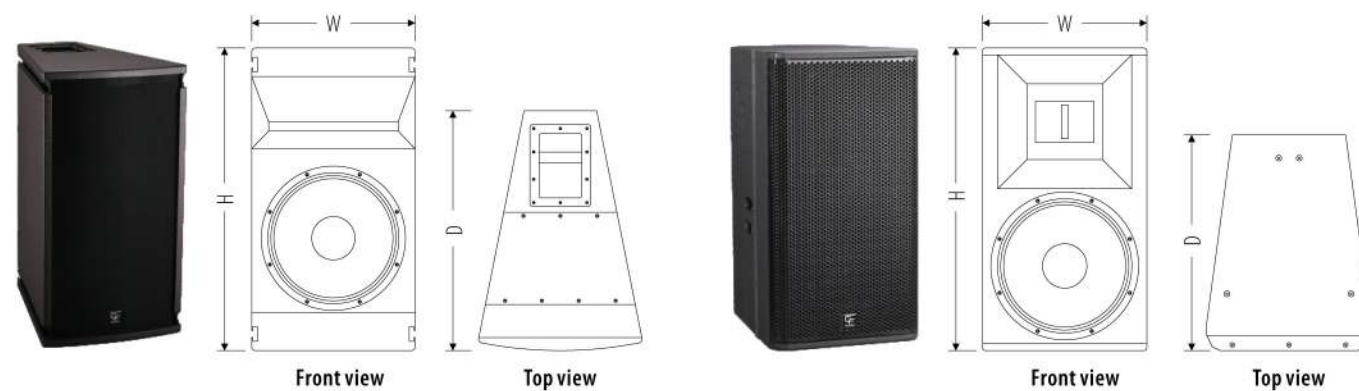


TECHNICAL FEATURES	REF-15i	REF-153
<b>Type</b>	Two-way active	Three-way active
<b>Components</b>	LF: 1 x 15" (75mm voice coil) HF: 1 x 3" (75mm voice coil)	LF: 1 x 15" (75mm voice coil) MF: 1 x 10" (65mm voice coil) HF: 1 x 3" (75mm voice coil)
<b>Frequency</b>	71Hz-19kHz	67Hz-19kHz
<b>Power(AES)</b>	LF: 450W / HF: 100W	LF: 450W / MF: 400W / HF: 100W
<b>(PEAK)</b>	LF: 1800W / HF: 400W	LF: 1800W / MF: 1600W / HF: 400W
<b>Impedance</b>	LF: 8 Ohms / HF: 8 Ohms	LF: 8 Ohms / MF: 8 Ohms / HF: 8 Ohms
<b>Sensitivity(1W/1m)</b>	102 dB	104 dB
<b>SPL/1m peak</b>	135 dB	140 dB
<b>Dispersion(H x V)</b>	60° x 23°	98° x 35°
<b>Connectors</b>	2 x Speakon NL4MP (pin LF1+/- / HF2+2-)	2 x EP8 (pin LF1+2- / MF3+4- / HF5+6-)
<b>Dimensions(HxWxD)</b>	820 x 443 x 650mm	800 x 435 x 570mm
<b>Net weight</b>	49 kg	53 kg
<b>Enclosure material</b>	Multilayer birch plywood	
<b>Finish</b>	High resistant black matt polyurea paint	Emery spraying craft
<b>Handing position</b>	Steel with anti-corrosion coating	Adjustable rigging system

## FREQUENCY RESPONSE



## DRAWING



## ACCESSORIES & EQUIPMENT





# MB SERIES

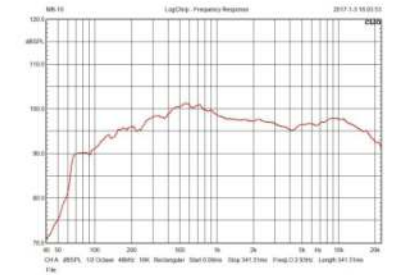


# MB SERIES

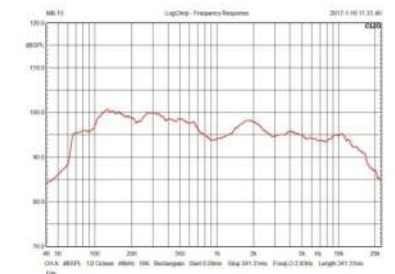
## TECHNICAL FEATURES

	MB-10	MB-15
<b>Type</b>	Two-way passive	
<b>Components</b>	LF: 1 x 10" (65mm voice coil) HF: 1 x 1.75" (44mm voice coil)	LF: 1 x 15" (75mm voice coil) HF: 1 x 3" (75mm voice coil)
<b>Frequency</b>	69Hz-20kHz	67Hz-20kHz
<b>Power(AES)</b>	350W	500W
<b>(PEAK)</b>	1400W	2000W
<b>Impedance</b>	8 Ohms	8 Ohms
<b>Sensitivity(1W/1m)</b>	98 dB	98 dB
<b>SPL/1m peak</b>	129 dB	131 dB
<b>Dispersion(H x V)</b>	50°-100° x 55° (Rotatable)	60° x 40° (Rotatable)
<b>Connectors</b>	2 x Speakon NL4MP	2 x Speakon NL4MP
<b>Dimensions(HxWxD)</b>	500 x 330 x 260mm	725 x 440 x 390mm
<b>Net weight</b>	17.75 kg	34.60 kg
<b>Enclosure material</b>	Multilayer birch plywood	Multilayer birch plywood
<b>Finish</b>	Emery spraying craft	
<b>Handing position</b>	Crossbow Flying System cabinet hardware	

## FREQUENCY RESPONSE

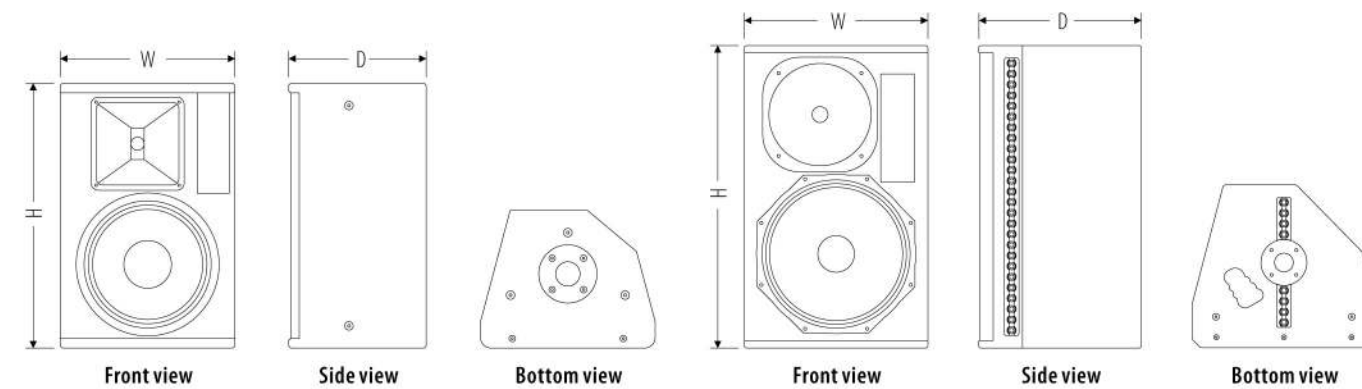


(MB-10)



(MB-15)

## DRAWING



## ACCESSORIES & EQUIPMENT



# MX SERIES



# MX SERIES

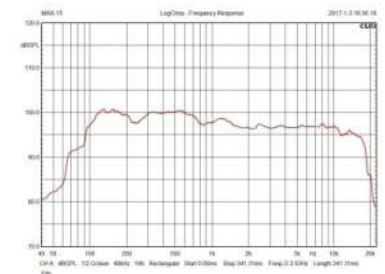
## TECHNICAL FEATURES

	MX-12	MX-15
Type	Two-way passive	
Components	LF: 1 x 12" (72mm voice coil) HF: 1 x 3" (75mm voice coil)	LF: 1 x 15" (76.5mm voice coil) HF: 1 x 3" (75mm voice coil)
Frequency	83Hz-20kHz	70Hz-18kHz
Power(AES)	400W	500W
(PEAK)	1600W	2000W
Impedance	8 Ohms	8 Ohms
Sensitivity(1W/1m)	98 dB	99 dB
SPL/1m peak	130 dB	132 dB
Dispersion(H x V)	100° HF coverage	100° HF coverage
Connectors	2 x Speakon NL4MP	2 x Speakon NL4MP
Dimensions(HxWxD)	560 x 466 x 355mm	580 x 538 x 375mm
Net weight	19.85 kg	25.90 kg
Enclosure material	Multilayer birch plywood	Multilayer birch plywood
Finish	High resistant black matt polyurea paint	
Handing position	12 x M8 inserts	20 x M8 inserts

## FREQUENCY RESPONSE

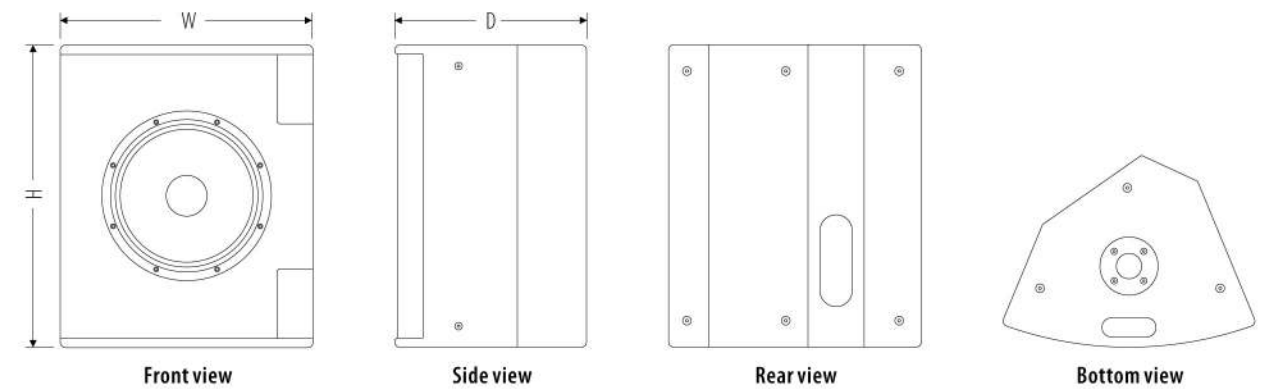


(MX-12)



(MX-15)

## DRAWING



## ACCESSORIES & EQUIPMENT



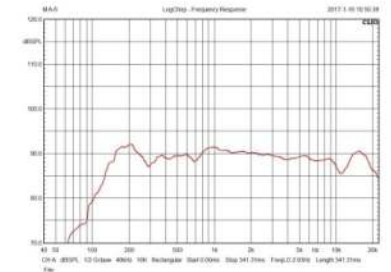


# m A SERIES

## TECHNICAL FEATURES MA-6

Type	Two-way passive
Components	LF: 1 x 6.5" (44mm voice coil) HF: 1 x 1.4" (34mm voice coil)
Frequency	132Hz-20kHz
Power(AES)	150W
(PEAK)	600W
Impedance	8 Ohms
Sensitivity(1W/1m)	90 dB
SPL/1m peak	118 dB
Dispersion(H x V)	100° HF coverage
Connectors	2 x Speakon NL4MP
Dimensions(HxWxD)	200 x 260 x 230mm
Net weight	5.80 kg
Enclosure material	Multilayer birch plywood
Finish	High resistant black matt polyurea paint
Handing position	Adjustable(0°to20°) rigging system

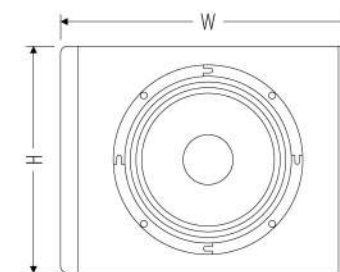
## FREQUENCY RESPONSE



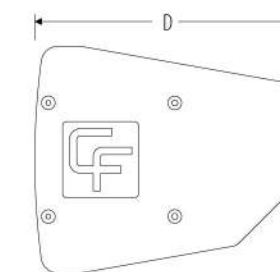
(MA-6)



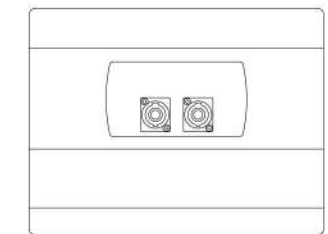
## DRAWING



Front view



Side view



Rear view

## ACCESSORIES & EQUIPMENT



# CA SERIES



## CA SERIES



TECHNICAL FEATURES	CA-15	CA-215	FREQUENCY RESPONSE
Type	Two-way passive		<p>(CA-15)</p>
Components	LF: 1 x 15" (75mm voice coil) HF: 1 x 1.75" (44mm voice coil)	LF: 2 x 15" (100mm voice coil) HF: 1 x 3" (75mm voice coil)	
Frequency	63 Hz-18kHz	32Hz-18kHz	<p>(CA-215)</p>
Power(AES) (PEAK)	400W 1600W	900W 3600W	
Impedance	8 Ohms	4 Ohms	
Sensitivity(1W/1m)	94.5 dB	98 dB	
SPL/1m peak	126.5 dB	134 dB	
Dispersion(H x V)	110° x 60°	100° x 75°	
Connectors	2 x Speakon NL4MP	2 x Speakon NL4MP	
Dimensions(HxWxD)	1000 x 496 x 325mm	1630 x 600 x 680mm	
Net weight	34.35 kg	78.65 kg	
Enclosure material	MDF	MDF	
Finish	High resistant black matt polyurea paint		
Handing position	N/A	N/A	

### DRAWING



### ACCESSORIES & EQUIPMENT



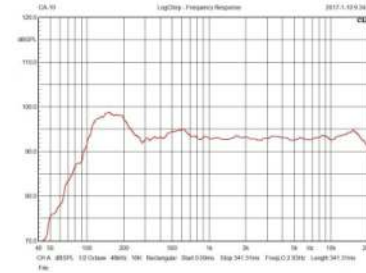
## TECHNICAL FEATURES

### CA-10

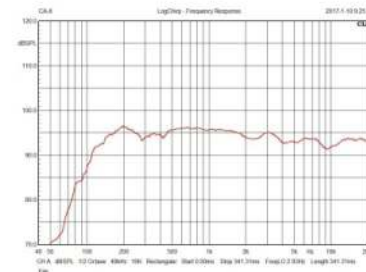
### CA-8

## FREQUENCY RESPONSE

<b>Type</b>	Two-way passive	
<b>Components</b>	LF: 1 x 10" (65mm voice coil) HF: 1 x 1.4" (34mm voice coil)	LF: 1 x 8" (50mm voice coil) HF: 1 x 1.4" (34mm voice coil)
<b>Frequency</b>	95Hz-20kHz	110Hz-20kHz
<b>Power(AES)</b>	250W	150W
<b>(PEAK)</b>	1000W	600W
<b>Impedance</b>	8 Ohms	8 Ohms
<b>Sensitivity(1W/1m)</b>	96 dB	94 dB
<b>SPL/1m peak</b>	126 dB	122 dB
<b>Dispersion(H x V)</b>	95° x 45°	95° x 45°
<b>Connectors</b>	2 x Terminal	2 x Terminal
<b>Dimensions(HxWxD)</b>	430 x 320 x 254mm	370 x 240 x 228mm
<b>Net weight</b>	13.10 kg	9.35 kg
<b>Enclosure material</b>	Multilayer birch plywood	Multilayer birch plywood
<b>Finish</b>	High resistant black matt polyurea paint	
<b>Handing position</b>	2 Movable hanging buckle	2 Movable hanging buckle

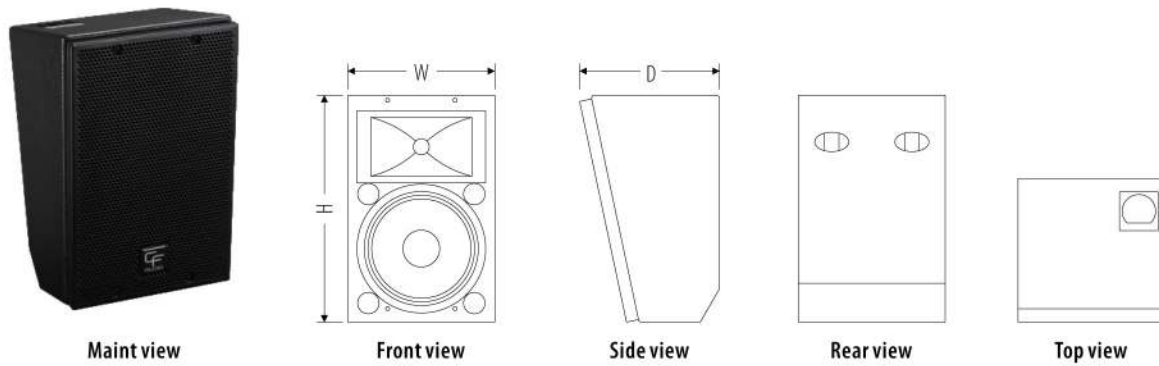


(CA-10)



(CA-8)

## DRAWING



## ACCESSORIES & EQUIPMENT

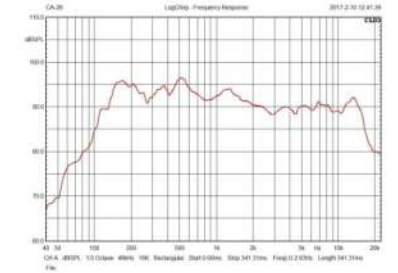


## TECHNICAL FEATURES

### CA-26

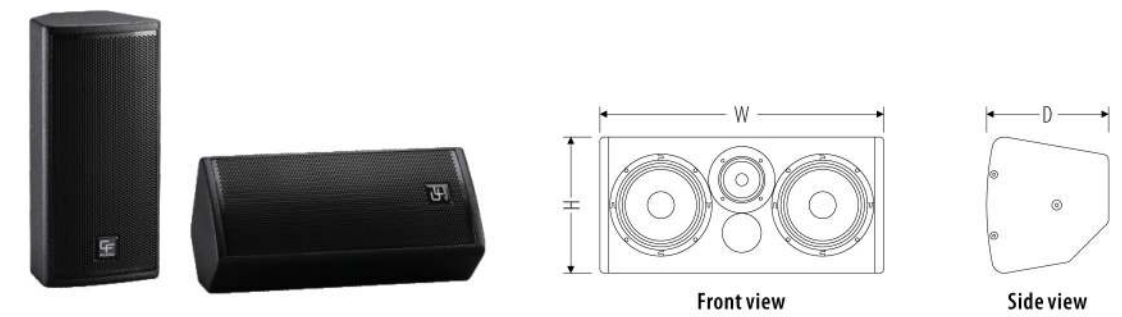
## FREQUENCY RESPONSE

<b>Type</b>	Two-way passive	
<b>Components</b>	LF: 2 x 6.5" (44mm voice coil) HF: 1 x 3" (14mm voice coil)	
<b>Frequency</b>	90Hz-16.7kHz	
<b>Power(AES)</b>	200W	
<b>(PEAK)</b>	800W	
<b>Impedance</b>	4 Ohms	
<b>Sensitivity(1W/1m)</b>	93 dB	
<b>SPL/1m peak</b>	122 dB	
<b>Dispersion(H x V)</b>	110° HF coverage	
<b>Connectors</b>	2 x Speakon NL4MP	
<b>Dimensions(HxWxD)</b>	223 x 465 x 200mm	
<b>Net weight</b>	6.70 kg	
<b>Enclosure material</b>	Multilayer birch plywood	
<b>Finish</b>	High resistant black matt polyurea paint	
<b>Handing position</b>	4 x M8 inserts	



(CA-26)

## DRAWING



## ACCESSORIES & EQUIPMENT



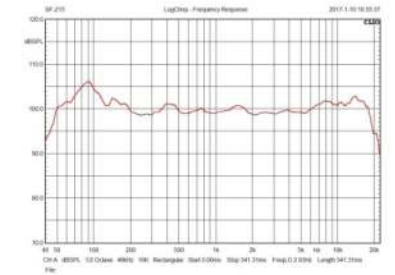
# SF/ST SERIES



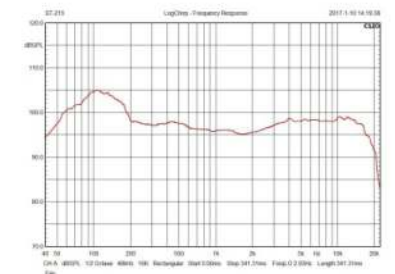
# SF/ST SERIES

TECHNICAL FEATURES	SF-215	ST-215
<b>Type</b>	Two-way passive	
<b>Components</b>	LF: 2 x 15" (75mm voice coil) HF: 1 x 3" (75mm voice coil)	LF: 2 x 15" (75mm voice coil) HF: 1 x 3" (75mm voice coil)
<b>Frequency</b>	44Hz-19kHz	37Hz-19kHz
<b>Power(AES)</b>	900W	800W
<b>(PEAK)</b>	3600W	3200W
<b>Impedance</b>	4 Ohms	4 Ohms
<b>Sensitivity(1W/1m)</b>	101 dB	99 dB
<b>SPL/1m peak</b>	137 dB	134 dB
<b>Dispersion(H x V)</b>	100° x 70°	70° x 40°
<b>Connectors</b>	2 x Speakon NL4MP	2 x Speakon NL4MP
<b>Dimensions(HxWxD)</b>	1293 x 512 x 604mm	1178 x 507 x 510mm
<b>Net weight</b>	66.30 kg	54.30 kg
<b>Enclosure material</b>	Multilayer birch plywood	
<b>Finish</b>	High resistant black matt polyurea paint	
<b>Handing position</b>	12 x M8 inserts	

## FREQUENCY RESPONSE



(SF-215)



(ST-215)

## DRAWING



## ACCESSORIES & EQUIPMENT



# FA SERIES



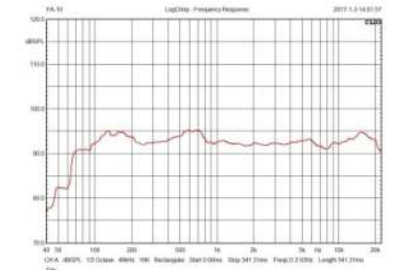
# FA SERIES



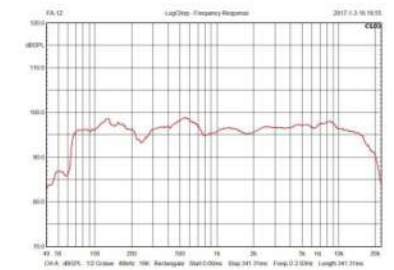
## TECHNICAL FEATURES

	FA-10	FA-12
<b>Type</b>	Two-way passive	
<b>Components</b>	LF: 1 x 10" (65mm voice coil) HF: 1 x 1.75" (44mm voice coil)	LF: 1 x 12" (75mm voice coil) HF: 1 x 1.75" (44mm voice coil)
<b>Frequency</b>	69Hz-20kHz	67Hz-20kHz
<b>Power(AES)</b>	300W	400W
<b>(PEAK)</b>	1200W	1600W
<b>Impedance</b>	8 Ohms	8 Ohms
<b>Sensitivity(1W/1m)</b>	95 dB	97 dB
<b>SPL/1m peak</b>	126 dB	129 dB
<b>Dispersion(H x V)</b>	100° x 70° (Rotatable)	100° x 70° (Rotatable)
<b>Connectors</b>	2 x Speakon NL4MP	2 x Speakon NL4MP
<b>Dimensions(HxWxD)</b>	526 x 300 x 340mm	600 x 350 x 382mm
<b>Net weight</b>	15.75 kg	20.75 kg
<b>Enclosure material</b>	Multilayer birch plywood	Multilayer birch plywood
<b>Finish</b>	High resistant black matt polyurea paint	
<b>Handing position</b>	15 x M8 inserts	15 x M8 inserts

## FREQUENCY RESPONSE

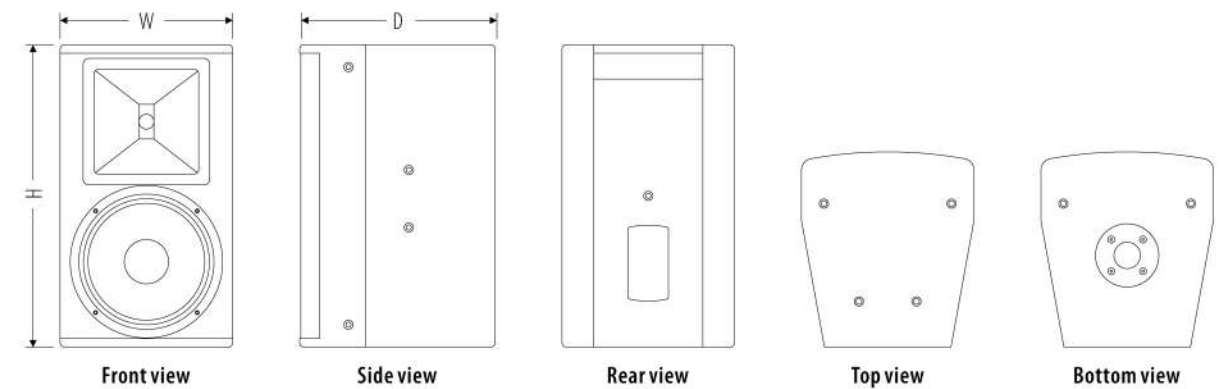


(FA-10)

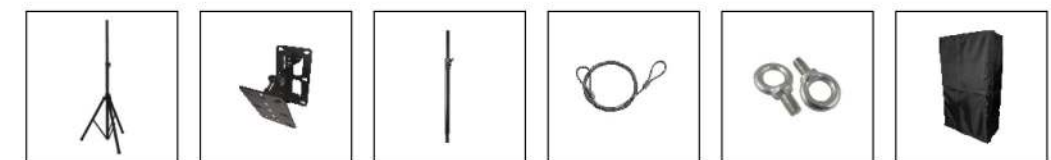


(FA-12)

## DRAWING



## ACCESSORIES & EQUIPMENT



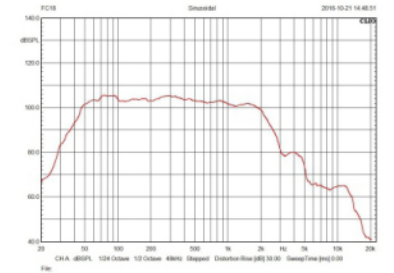


# FC SERIES

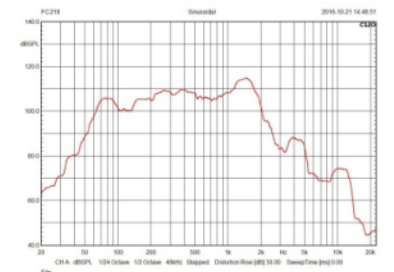
## TECHNICAL FEATURES

	FC-18	FC-218
Type	Vented sub-bass system	
Components	1 x 18" (100mm voice coil)	2 x 18" (100mm voice coil)
Frequency	40Hz-300Hz	33Hz-200Hz
Power(额定/AES)	800W	1600W
(峰值/PEAK)	3200W	6400W
Impedance	8 Ohms	4 Ohms
Sensitivity(1W/1m)	99 dB	102 dB
SPL/1m peak	134 dB	140 dB
Dispersion(H x V)	Omnidirectional	Omnidirectional
Connectors	2 x Speakon (pin:1+1-)	2 x Speakon (pin:1+1-)
Dimensions(HxWxD)	690 x 560 x 575mm	560 x 1065 x 780mm
Net weight	42.25 kg	76.65 kg
Enclosure material	Multilayer birch plywood	Multilayer birch plywood
Finish	High resistant black matt polyurea paint	
Handing position	N/A	N/A

## FREQUENCY RESPONSE

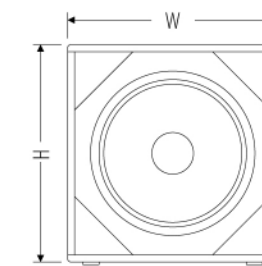


(FC-18)

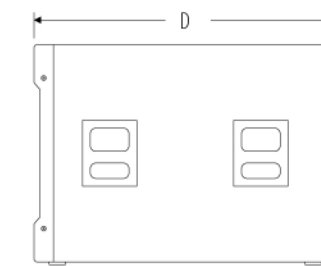


(FC-218)

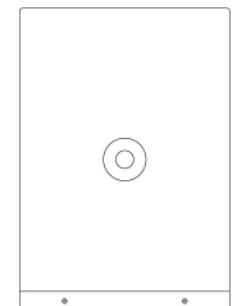
## DRAWING



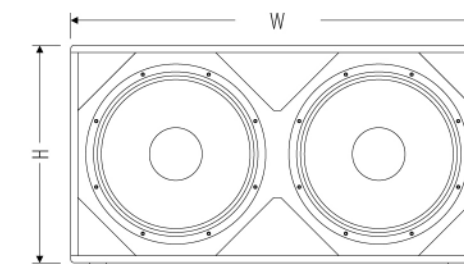
Front view



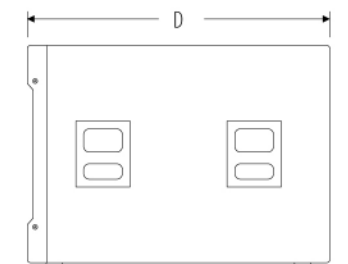
Side view



Top view



Front view



Side view



# TA SERIES



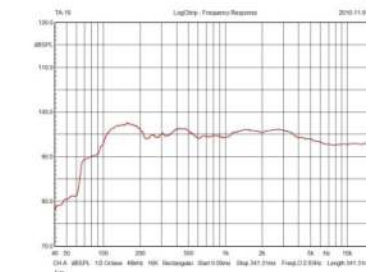
# TA SERIES



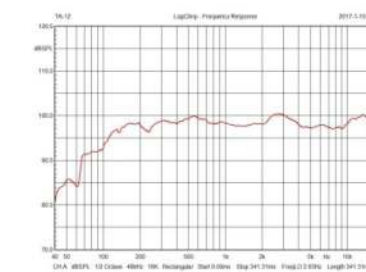
## TECHNICAL FEATURES

	TA-10	TA-12
<b>Type</b>	Two-way passive	
<b>Components</b>	LF: 1 x 10" (65mm voice coil) HF: 1 x 1.75" (44mm voice coil)	LF: 1 x 12" (75mm voice coil) HF: 1 x 1.75" (44mm voice coil)
<b>Frequency</b>	69Hz-20kHz	67Hz-18kHz
<b>Power(AES)</b>	350W	450W
<b>(PEAK)</b>	1400W	1800W
<b>Impedance</b>	8 Ohms	8 Ohms
<b>Sensitivity(1W/1m)</b>	94.5 dB	99 dB
<b>SPL/1m peak</b>	126 dB	132 dB
<b>Dispersion(H x V)</b>	100° x 70° (Rotatable)	100° x 70° (Rotatable)
<b>Connectors</b>	2 x Speakon NL4MP	2 x Speakon NL4MP
<b>Dimensions(HxWxD)</b>	540 x 310 x 335mm	605 x 356 x 385mm
<b>Net weight</b>	17.95 kg	23.40 kg
<b>Enclosure material</b>	Multilayer birch plywood	Multilayer birch plywood
<b>Finish</b>	High resistant black matt polyurea paint	
<b>Handing position</b>	15 x M8 inserts	15 x M8 inserts

## FREQUENCY RESPONSE

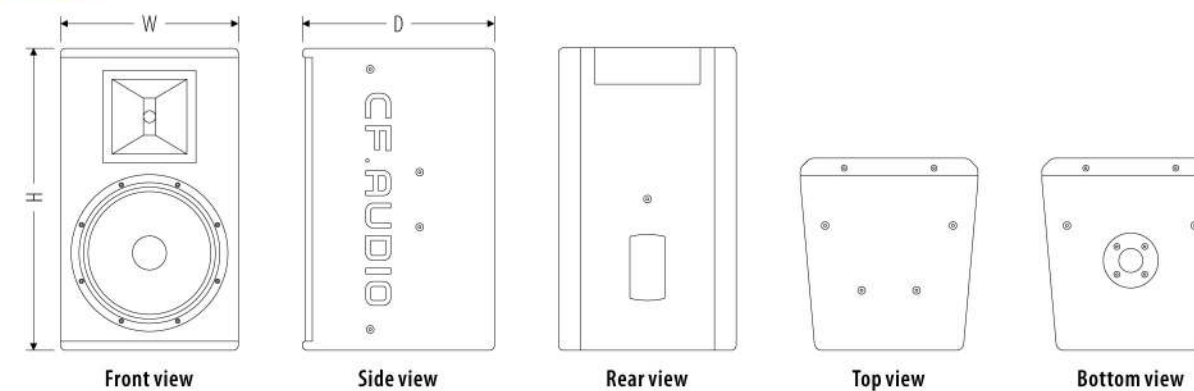


(TA-10)

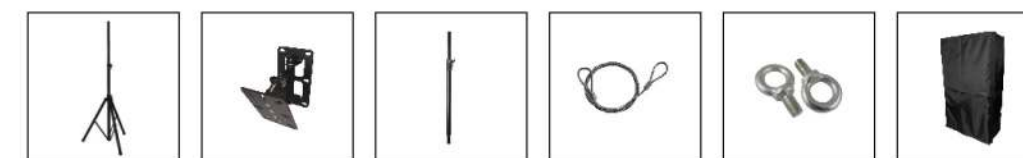


(TA-12)

## DRAWING



## ACCESSORIES & EQUIPMENT





# TC SERIES

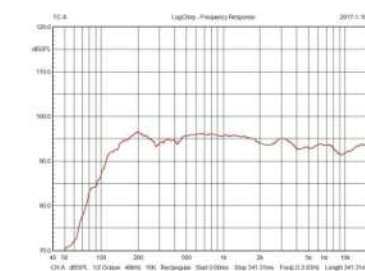
# TC SERIES



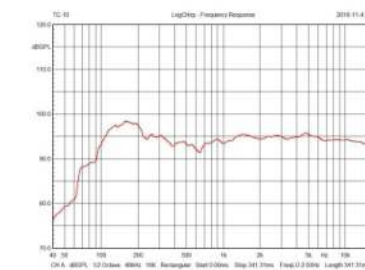
## TECHNICAL FEATURES

	TC-8	TC-10
Type	Two-way passive	
Components	LF: 1 x 8" (65mm voice coil) HF: 1 x 1" (25mm voice coil)	LF: 1 x 10" (65mm voice coil) HF: 1 x 1.75" (44mm voice coil)
Frequency	75Hz-18kHz	70Hz-20kHz
Power(AES)	200W	300W
(PEAK)	800W	1200W
Impedance	8 Ohms	8 Ohms
Sensitivity(1W/1m)	95 dB	95.5 dB
SPL/1m peak	124 dB	126 dB
Dispersion(H x V)	100° x 70° (Rotatable)	100° x 70° (Rotatable)
Connectors	2 x Speakon NL4MP	2 x Speakon NL4MP
Dimensions(HxWxD)	410 x 255 x 290mm	520 x 300 x 320mm
Net weight	11 kg	15.95 kg
Enclosure material	Multilayer birch plywood	Multilayer birch plywood
Finish	High resistant black matt polyurea paint	
Handing position	19 x M8 inserts	19 x M8 inserts

## FREQUENCY RESPONSE

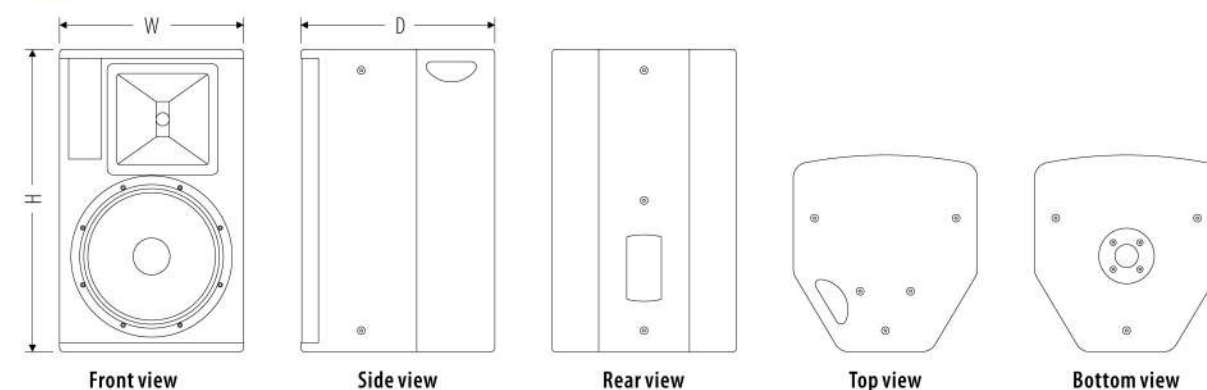


(TC-8)

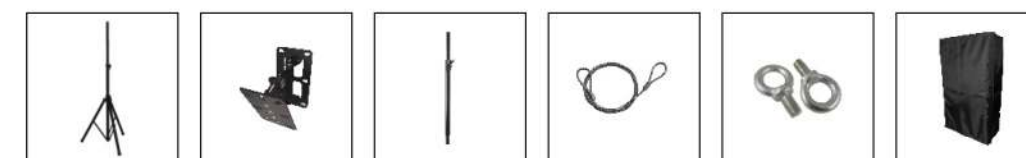


(TC-10)

## DRAWING



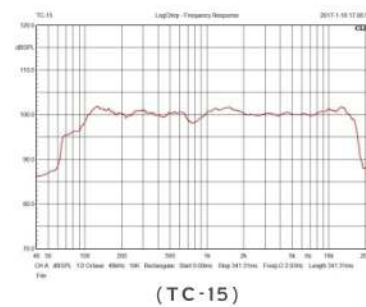
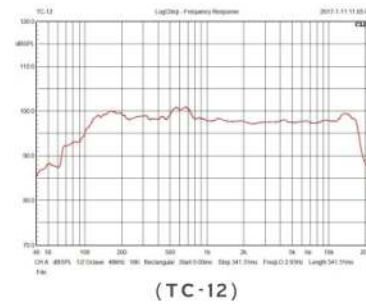
## ACCESSORIES & EQUIPMENT



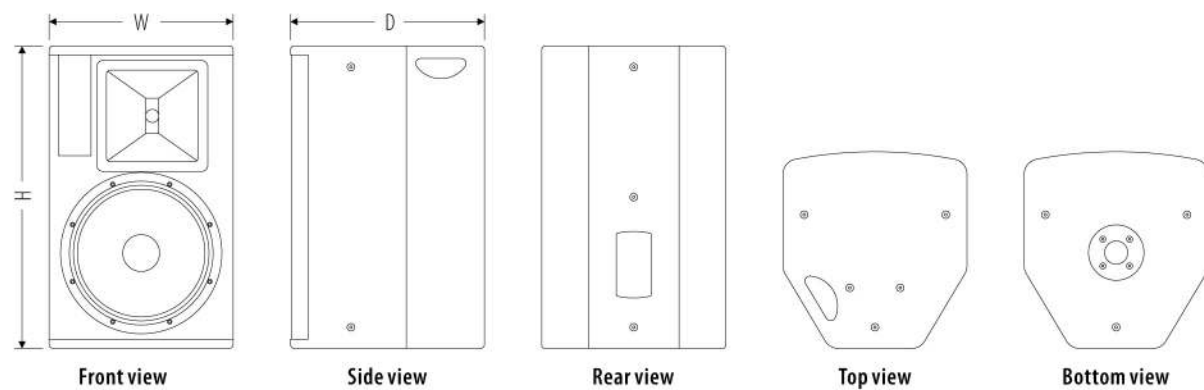
## TECHNICAL FEATURES

	TC-12	TC-15
<b>Type</b>	Two-way passive	
<b>Components</b>	LF: 1 x 12" (75mm voice coil) HF: 1 x 1.75" (44mm voice coil)	LF: 1 x 15" (75mm voice coil) HF: 1 x 3" (75mm voice coil)
<b>Frequency</b>	66Hz-19kHz	66Hz-18kHz
<b>Power(AES)</b>	400W	450W
<b>(PEAK)</b>	1600W	1800W
<b>Impedance</b>	8 Ohms	8 Ohms
<b>Sensitivity(1W/1m)</b>	98 dB	100 dB
<b>SPL/1m peak</b>	130 dB	134 dB
<b>Dispersion(H x V)</b>	100° x 70° (Rotatable)	80° x 50° (Rotatable)
<b>Connectors</b>	2 x Speakon NL4MP	2 x Speakon NL4MP
<b>Dimensions(HxWxD)</b>	600 x 365 x 390mm	680 x 430 x 450mm
<b>Net weight</b>	24.75 kg	32.10 kg
<b>Enclosure material</b>	Multilayer birch plywood	Multilayer birch plywood
<b>Finish</b>	High resistant black matt polyurea paint	
<b>Handing position</b>	19 x M8 inserts	19 x M8 inserts

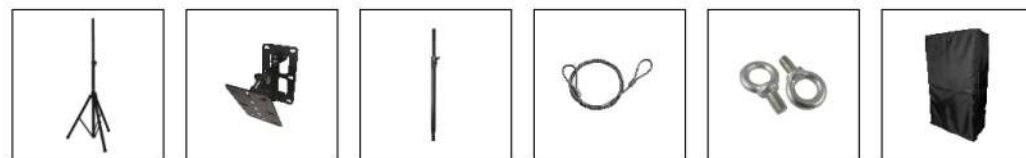
## FREQUENCY RESPONSE



## DRAWING



## ACCESSORIES & EQUIPMENT



# TQ SERIES

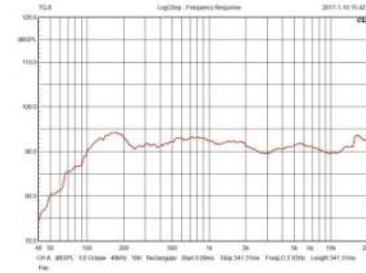
## TECHNICAL FEATURES

### TQ-8

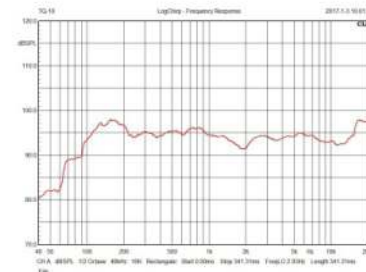
### TQ-10

## FREQUENCY RESPONSE

<b>Type</b>	Two-way passive	
<b>Components</b>	LF: 1 x 8" (50mm voice coil) HF: 1 x 1.34" (34mm voice coil)	LF: 1 x 10" (65mm voice coil) HF: 1 x 1.75" (44mm voice coil)
<b>Frequency</b>	93Hz-20kHz	77Hz-20kHz
<b>Power(AES)</b>	150W	200W
<b>(PEAK)</b>	600W	800W
<b>Impedance</b>	8 Ohms	8 Ohms
<b>Sensitivity(1W/1m)</b>	93 dB	95 dB
<b>SPL/1m peak</b>	122 dB	124 dB
<b>Dispersion(H x V)</b>	90° x 50° (Rotatable)	90° x 50° (Rotatable)
<b>Connectors</b>	2 x Speakon NL4MP	2 x Speakon NL4MP
<b>Dimensions(HxWxD)</b>	407 x 255 x 260mm	500 x 310 x 310mm
<b>Net weight</b>	10.75 kg	15.50 kg
<b>Enclosure material</b>	MDF	MDF
<b>Finish</b>	High resistant black matt polyurea paint	
<b>Handing position</b>	12 x M8 inserts	22 x M8 inserts

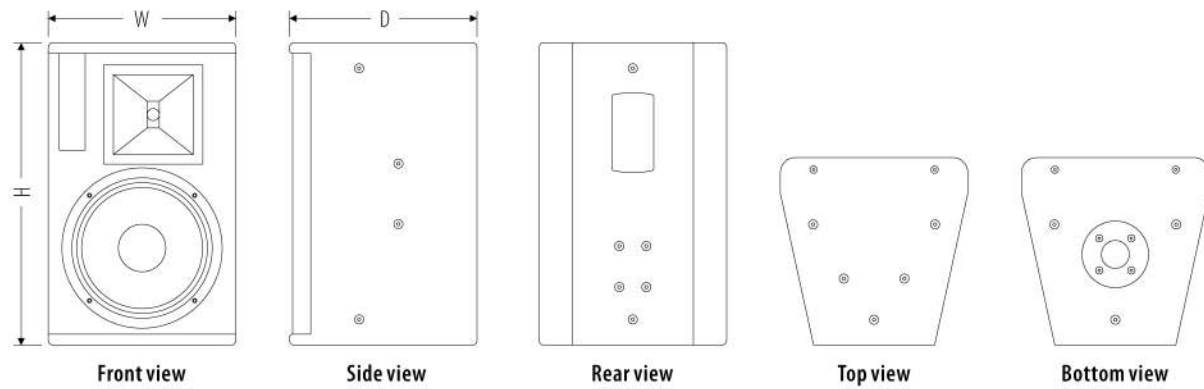


(TQ-8)

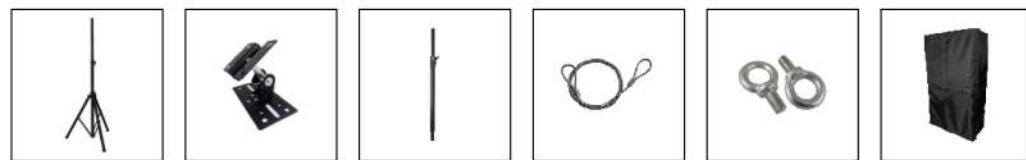


(TQ-10)

## DRAWING



## ACCESSORIES & EQUIPMENT



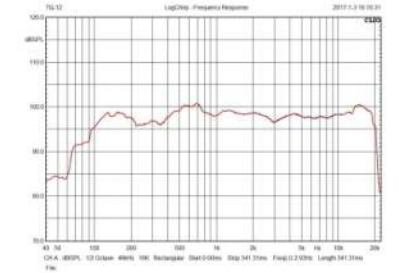
## TECHNICAL FEATURES

### TQ-12

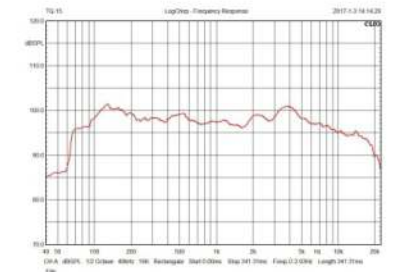
### TQ-15

## FREQUENCY RESPONSE

<b>Type</b>	Two-way passive	
<b>Components</b>	LF: 1 x 12" (65mm voice coil) HF: 1 x 1.75" (44mm voice coil)	LF: 1 x 15" (75mm voice coil) HF: 1 x 1.75" (44mm voice coil)
<b>Frequency</b>	68Hz-20kHz	66Hz-19kHz
<b>Power(AES)</b>	300W	450W
<b>(PEAK)</b>	1200W	1800W
<b>Impedance</b>	8 Ohms	8 Ohms
<b>Sensitivity(1W/1m)</b>	97 dB	98 dB
<b>SPL/1m peak</b>	127 dB	130.5 dB
<b>Dispersion(H x V)</b>	80° x 50° (Rotatable)	100° x 70° (Rotatable)
<b>Connectors</b>	2 x Speakon NL4MP	2 x Speakon NL4MP
<b>Dimensions(HxWxD)</b>	560 x 355 x 360mm	700 x 430 x 435mm
<b>Net weight</b>	19.60 kg	30.30 kg
<b>Enclosure material</b>	MDF	MDF
<b>Finish</b>	High resistant black matt polyurea paint	
<b>Handing position</b>	22 x M8 inserts	22 x M8 inserts

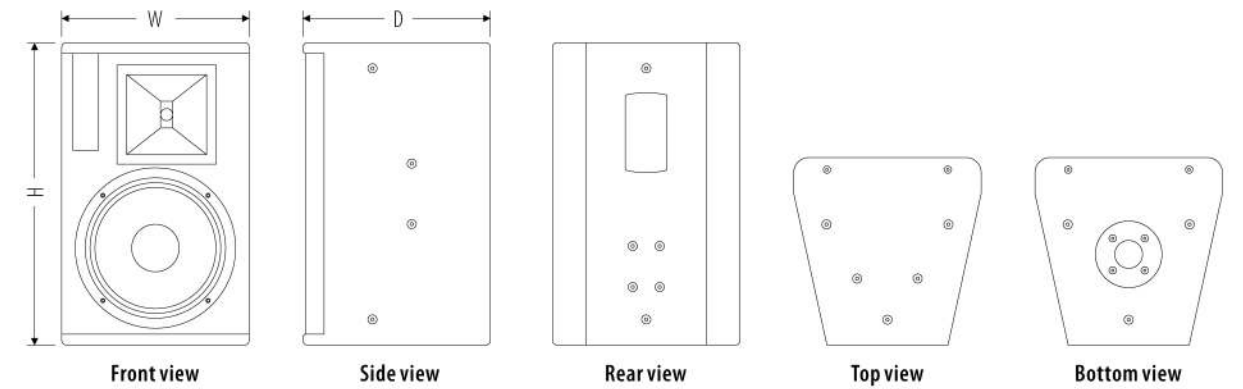


(TQ-12)

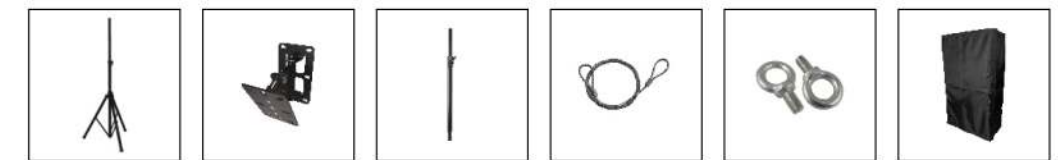


(TQ-15)

## DRAWING



## ACCESSORIES & EQUIPMENT





# SB SERIES

## TECHNICAL FEATURES SB-18

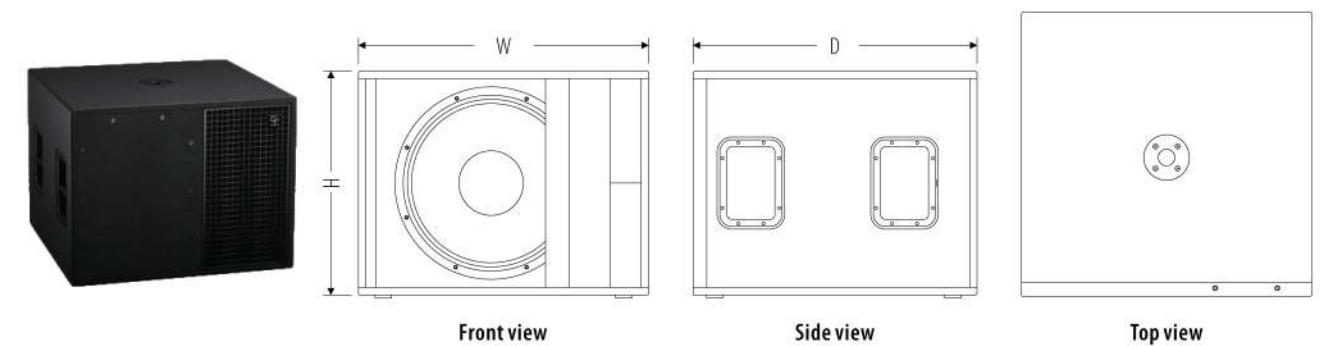
Type	Vented sub-bass system
Components	1 x 18" (100mm voice coil)
Frequency	33Hz-180Hz
Power(额定/AES)	1200W
(峰值/PEAK)	4800W
Impedance	8 Ohms
Sensitivity(1W/1m)	103 dB
SPL/1m peak	140 dB
Dispersion(H x V)	Omnidirectional
Connectors	2 x Speakon (pin.1+1-)
Dimensions(HxWxD)	540 x 700 x 685mm
Net weight	48.25 kg
Enclosure material	Multilayer birch plywood
Finish	High resistant black matt polyurea paint
Handing position	N/A

## FREQUENCY RESPONSE



(SB-18)

## DRAWING



## ACCESSORIES & EQUIPMENT





# DSP ACTIVE SERIES

# DSP ACTIVE SERIES

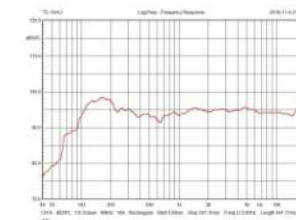


TECHNICAL FEATURES	TC-10AC	TC-12AC	TC-15AC
Type	Built-in DSP class D bi-amplifiers		
Components	LF: 1 x 10" (65mm voice coil) HF: 1 x 1.75" (44mm voice coil)	LF: 1 x 12" (75mm voice coil) HF: 1 x 1.75" (44mm voice coil)	LF: 1 x 15" (75mm voice coil) HF: 1 x 3" (75mm voice coil)
Frequency	70Hz-20kHz	66Hz-19kHz	66Hz-18kHz
Power(AES) (PEAK)	300W 1200W	400W 1600W	450W 1800W
Sensitivity(1W/1m)	95.5 dB	98 dB	100 dB
SPL/1m peak	126 dB	130 dB	134 dB
Dispersion(H x V)	100° x 70° (Rotatable)	100° x 70° (Rotatable)	80° x 50° (Rotatable)
Max. Power output(RMS)	1200W/8 Ohms	1200W/8 Ohms	1200W/8 Ohms
Working voltage(V)	110-250V 50Hz	110-250V 50Hz	110-250V 50Hz
THD+N	<0.1%	<0.1%	<0.1%
Input	Balanced	Balanced	Balanced
Connectors	L+R female x LR/TRS jacks L+R male x LR loop (Pin2+,3-,1gnd)		
AC Connector	2 x Power CON	2 x Power CON	2 x Power CON
AC Power requirements	1800W peak, 900W continuous (Max)		
Dimensions(HxWxD)	520 x 300 x 320mm	600 x 365 x 390mm	680 x 430 x 450mm
Net weight	19 kg	28 kg	35 kg
Enclosure material	Multilayer birch plywood		
Finish	High resistant black matt polyurea paint		
Handing position	(19 x M8 inserts)		

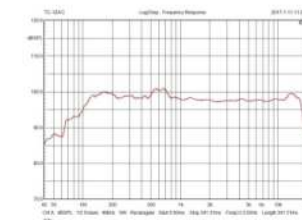
## FREQUENCY RESPONSE



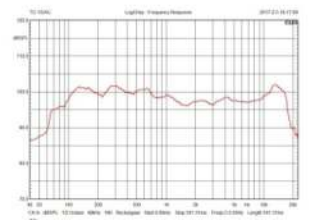
DSP功放模块



(TC-10AC)

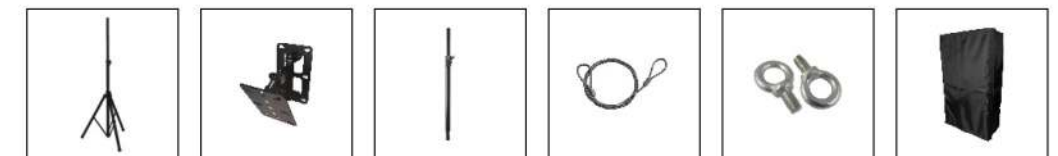


(TC-12AC)



(TC-15AC)

## ACCESSORIES & EQUIPMENT



# DSP ACTIVE SERIES

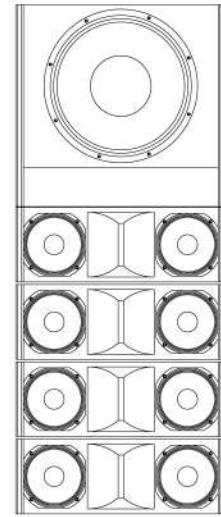


## TECHNICAL FEATURES

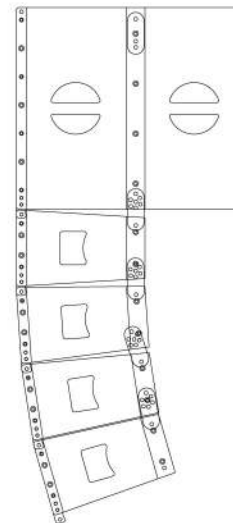
### LA-208sAC

Type	Class D : 1200W+450W+450W
Components	LF:1 x 18"(100mm voice coil)
Frequency	35Hz-200Hz
Power(AES)	1200W
(PEAK)	4800W
Built-in DSP	32bit High performance DSP
AD/DA converters	24dit-32kHz
Sensitivity(1W/1m)	98 dB
SPL/1m peak	135 dB
Dispersion(H x V)	Omnidirectional
Max. Power output(RMS)	1200W/8 Ohms
Working voltage(V)	110-250V 50Hz
THD+N	<0.1%
Input	Balanced
Connectors	L+R female x LR/TRS jacks L+R male x LR loop(Pin2+,3-,1Gnd)
AC Connector	2 x Power CON
AC Power requirements	800W peak,900W continuous(Max)
Dimensions(HxWxD)	605 x 630 x 680mm
Net weight	55.60 kg
Enclosure material	Multilayer birch plywood
Finish	Emery spraying craft
Handing position	Adjustable rigging system

## DRAWING



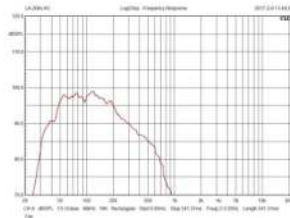
Front view



Side view

## FREQUENCY RESPONSE

DSP



## ACCESSORIES & EQUIPMENT



# DSP ACTIVE SERIES

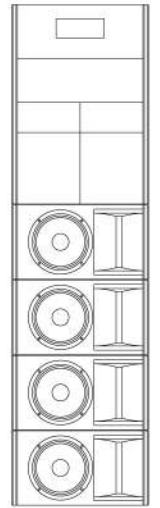


## TECHNICAL FEATURES

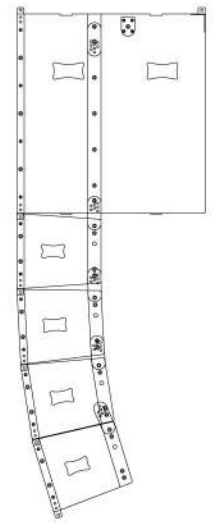
### LA-110sAC

Type	Class D : 1200W+450W+450W
Components	LF:1 x 18"(100mm voice coil)
Frequency	40Hz-180Hz
Power(AES)	1200W
(PEAK)	4800W
Built-in DSP	32bit High performance DSP
AD/DA converters	24dit-32kHz
Sensitivity(1W/1m)	105 dB
SPL/1m peak	142 dB
Dispersion(H x V)	全指向 Omnidirectional
Max. Power output(RMS)	1200W/8 Ohms
Working voltage(V)	110-250V 50Hz
THD+N	<0.1%
Input	Balanced
Connectors	L+R female x LR/TRS jacks L+R male x LR loop(Pin2+,3-,1Gnd)
AC Connector	2 x Power CON
AC Power requirements	800W peak,900W continuous(Max)
Dimensions(HxWxD)	605 x 630 x 680mm
Net weight	55.60 kg
Enclosure material	Multilayer birch plywood
Finish	Emery spraying craft
Handing position	Adjustable rigging system

## DRAWING



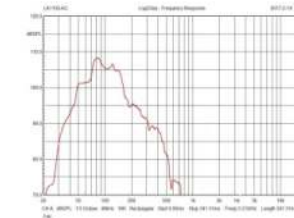
Front view



Side view

## FREQUENCY RESPONSE

DSP



## ACCESSORIES & EQUIPMENT



# NUQ SERIES



## NUQ SERIES



### TECHNICAL FEATURES





### NUQ-15

<b>Frequency Response</b>	50Hz-20KHz(+/- 3dB)/40Hz-22KHz(-10dB)
<b>Sensitivity (1m/1w)</b>	98dB SPL
<b>Impedance</b>	8 Ohms
<b>Power Rating (AES)</b>	450 W
<b>Drivers</b>	LF: 1x15", HF:1x3"
<b>Dispersion</b>	80 (H) x 50 (V)
<b>Max/Peak SPL</b>	125dB /129dB
<b>Dimensions</b>	721x430x385 mm
<b>Weight</b>	26 kg
<b>Connectors</b>	2XNL4,1+/1-
<b>Suspension Hardware</b>	M8 Rigging Point
<b>Colours</b>	Black & Environment Protecting Water Paint (Other Paint Colours are available for Options)

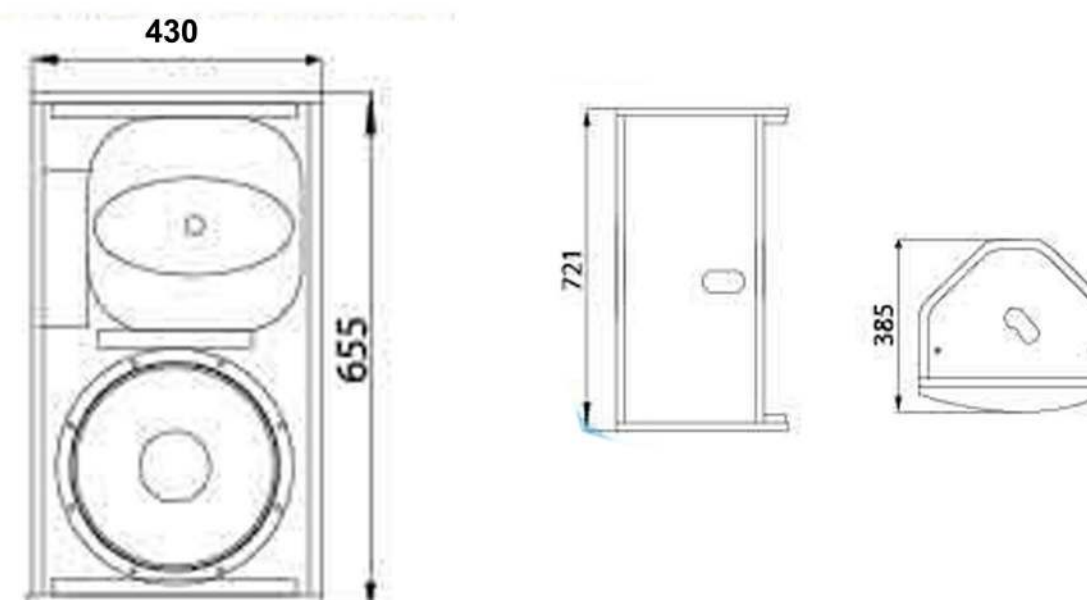
### IMAGES



### FEATURES:

-  Rotatable Horn
-  Entertainment and Functional Hall
-  Equivalent Phase Correct Crossover Network
-  Powerful and High Efficiency System

### CONSTRUCTION DRAWING





# SUB SERIES



## SUB SERIES



### TECHNICAL FEATURES

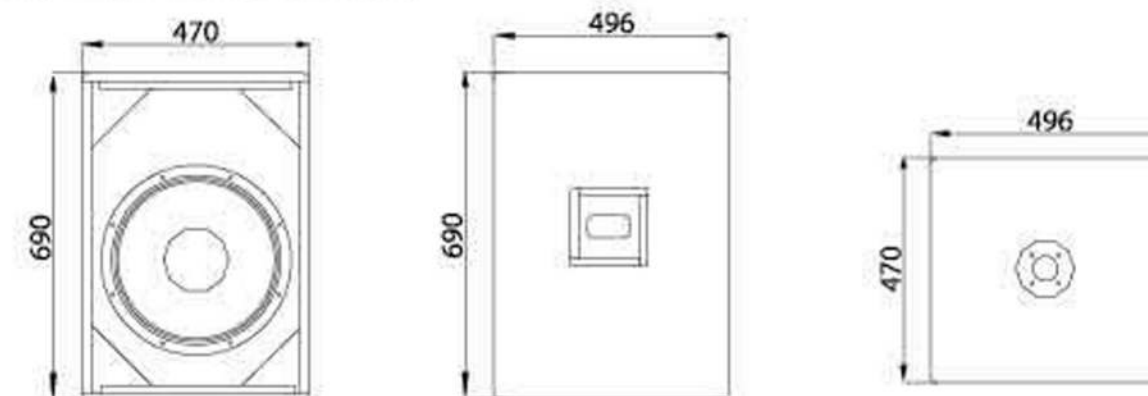
### SUB-15

### IMAGES

<b>Frequency Response</b>	45Hz-120Hz(+/- 3dB)/35Hz-200Hz(-10dB)
<b>Sensitivity (1m/1w)</b>	98dB SPL
<b>Impedance</b>	8 ohms
<b>Power Rating (AES)</b>	500 W
<b>Drivers</b>	1x15"
<b>Max/Peak SPL</b>	125dB/128dB
<b>Dimensions</b>	470x690x496mm
<b>Weight</b>	38.5 kg
<b>Connectors</b>	2xNL4, 1+/1-
<b>Colour</b>	Black and Environment Water Paint (Other Paint Colours Are Available for Options)



### CONSTRUCTION DRAWING



## TECHNICAL FEATURES

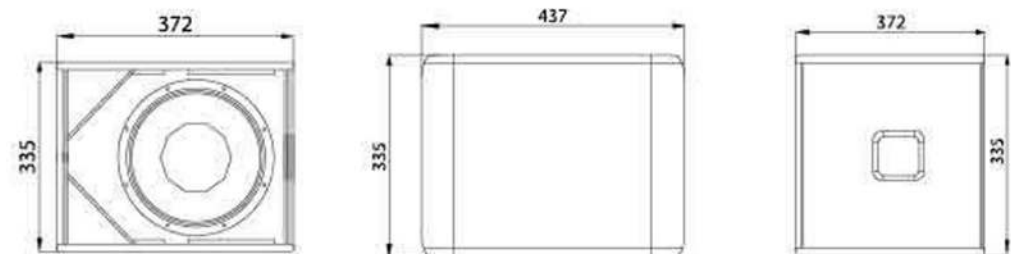
	SUB-10	SUB-12
<b>Frequency Response</b>	48Hz-150Hz/38Hz-250Hz	
<b>Sensitivity (1m/1w)</b>	99dB SPL	102dB SPL
<b>Impedance</b>	8 Ohms	
<b>Power Rating (AES)</b>	300 W	400 W
<b>Drivers</b>	1x10"	1x12"
<b>Max/Peak SPL</b>	124dB/129dB	128dB/131dB
<b>Dimensions</b>	335x372x437mm	475x385x410mm
<b>Weight</b>	18 kg	21.5 kg
<b>Connectors</b>	2xNL4,1+/1-	
<b>Colour</b>	Black and Environment Water Paint (Other Paint Colours Are Available for Options)	

## IMAGES

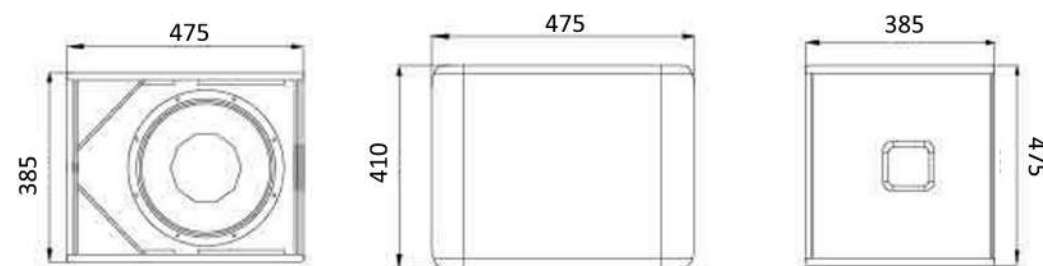


## CONSTRUCTION DRAWING

SUB-10



SUB-12



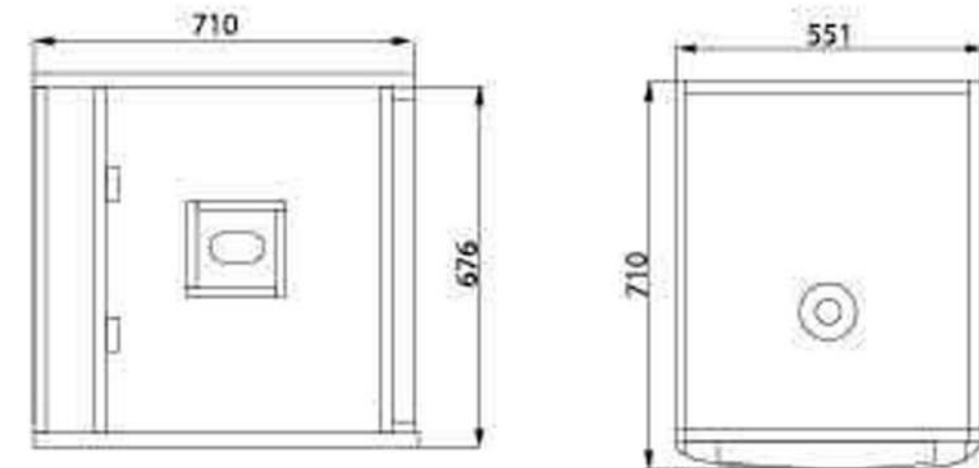
## TECHNICAL FEATURES

<b>Frequency Response</b>	40Hz-120Hz(+/-3dB)/20Hz-400Hz(-10dB)
<b>Sensitivity (1m/1w)</b>	101dB SPL
<b>Impedance</b>	8 Ohms
<b>Power Rating (AES)</b>	650 W
<b>Drivers</b>	1x18"
<b>Max/Peak SPL</b>	129dB/132dB
<b>Dimensions</b>	676x551x710 mm
<b>Weight</b>	45 kg
<b>Connectors</b>	2xNL4,1+/1-
<b>Colour</b>	Black and Environment Water Paint (Other Paint Colours Are Available for Options)

## IMAGES



## CONSTRUCTION DRAWING



# TP SERIES



# TP SERIES



Front view



Rear view

TECHNICAL FEATURES	TP7	TP9	TP12	TP15	TP413
<b>Power</b>					
8 ohms stereo	700W x 2	900W x 2	1200W x 2	1500W x 2	1300W x 4
4 ohms stereo	1200W x 2	1600W x 2	2000W x 2	2500W x 2	2350W x 4
2 ohms stereo	1750W x 2	2250W x 2	3000W x 2	3750W x 2	3250W x 4
<b>Frequency</b>	20Hz-20kHz				
<b>Slew rate</b>	>20v/us				
<b>Damping factor</b>	<200				
<b>S/N rate</b>	>90 dB				
<b>THD+N</b>	<0.05%				
<b>Input sensitivity</b>	36/37/38/40/41/42dB				
<b>Input impedance</b>	10k ohms Balanced / Unbalanced				
<b>Protection</b>	Overheat, short circuits, DC, Limit and soft start, Output relay-zero current switch, intellectual clip limit				
<b>AC input voltage</b>	AC 230v 50-60Hz				
<b>Dimensions (W x H x D)</b>	483 x 90 x 396 (mm)				

## ACCESSORIES



# TP SERIES



# TP SERIES



Front view



Rear view

TECHNICAL FEATURES	TP7	TP9	TP12	TP15	TP413
<b>Power</b>					
8 ohms stereo	700W x 2	900W x 2	1200W x 2	1500W x 2	1300W x 4
4 ohms stereo	1200W x 2	1600W x 2	2000W x 2	2500W x 2	2350W x 4
2 ohms stereo	1750W x 2	2250W x 2	3000W x 2	3750W x 2	3250W x 4
<b>Frequency</b>	20Hz-20kHz				
<b>Slew rate</b>	>20v/us				
<b>Damping factor</b>	<200				
<b>S/N rate</b>	>90 dB				
<b>THD+N</b>	<0.05%				
<b>Input sensitivity</b>	36/37/38/40/41/42dB				
<b>Input impedance</b>	10k ohms Balanced / Unbalanced				
<b>Protection</b>	Overheat, short circuits, DC, Limit and soft start, Output relay-zero current switch, intellectual clip limit				
<b>AC input voltage</b>	AC 230v 50-60Hz				
<b>Dimensions (W x H x D)</b>	483 x 90 x 396 (mm)				

## ACCESSORIES



# TP SERIES



# TP SERIES



Front view



Rear view

TECHNICAL FEATURES	TP7	TP9	TP12	TP15	TP413
<b>Power</b>					
8 ohms stereo	700W x 2	900W x 2	1200W x 2	1500W x 2	1300W x 4
4 ohms stereo	1200W x 2	1600W x 2	2000W x 2	2500W x 2	2350W x 4
2 ohms stereo	1750W x 2	2250W x 2	3000W x 2	3750W x 2	3250W x 4
<b>Frequency</b>	20Hz-20kHz				
<b>Slew rate</b>	>20v/us				
<b>Damping factor</b>	<200				
<b>S/N rate</b>	>90 dB				
<b>THD+N</b>	<0.05%				
<b>Input sensitivity</b>	36/37/38/40/41/42dB				
<b>Input impedance</b>	10k ohms Balanced / Unbalanced				
<b>Protection</b>	Overheat, short circuits, DC, Limit and soft start, Output relay-zero current switch, intellectual clip limit				
<b>AC input voltage</b>	AC 230v 50-60Hz				
<b>Dimensions (W x H x D)</b>	483 x 90 x 396 (mm)				

## ACCESSORIES



# TP SERIES



# TP SERIES



Front view



Rear view

TECHNICAL FEATURES	TP7	TP9	TP12	TP15	TP413
<b>Power</b>					
8 ohms stereo	700W x 2	900W x 2	1200W x 2	1500W x 2	1300W x 4
4 ohms stereo	1200W x 2	1600W x 2	2000W x 2	2500W x 2	2350W x 4
2 ohms stereo	1750W x 2	2250W x 2	3000W x 2	3750W x 2	3250W x 4
<b>Frequency</b>	20Hz-20kHz				
<b>Slew rate</b>	>20v/us				
<b>Damping factor</b>	<200				
<b>S/N rate</b>	>90 dB				
<b>THD+N</b>	<0.05%				
<b>Input sensitivity</b>	36/37/38/40/41/42dB				
<b>Input impedance</b>	10k ohms Balanced / Unbalanced				
<b>Protection</b>	Overheat, short circuits, DC, Limit and soft start, Output relay-zero current switch, intellectual clip limit				
<b>AC input voltage</b>	AC 230v 50-60Hz				
<b>Dimensions (W x H x D)</b>	483 x 90 x 396 (mm)				

## ACCESSORIES



# TP SERIES



# TP SERIES



Front view



Rear view

TECHNICAL FEATURES	TP7	TP9	TP12	TP15	TP413
<b>Power</b>					
8 ohms stereo	700W x 2	900W x 2	1200W x 2	1500W x 2	1300W x 4
4 ohms stereo	1200W x 2	1600W x 2	2000W x 2	2500W x 2	2350W x 4
2 ohms stereo	1750W x 2	2250W x 2	3000W x 2	3750W x 2	3250W x 4
<b>Frequency</b>	20Hz-20kHz				
<b>Slew rate</b>	>20v/us				
<b>Damping factor</b>	<200				
<b>S/N rate</b>	>90 dB				
<b>THD+N</b>	<0.05%				
<b>Input sensitivity</b>	36/37/38/40/41/42dB				
<b>Input impedance</b>	10k ohms Balanced / Unbalanced				
<b>Protection</b>	Overheat, short circuits, DC, Limit and soft start, Output relay-zero current switch, intellectual clip limit				
<b>AC input voltage</b>	AC 230v 50-60Hz				
<b>Dimensions (W x H x D)</b>	483 x 90 x 396 (mm)				

## ACCESSORIES



# TP SERIES



# TP SERIES



Front view



Rear view

TECHNICAL FEATURES	TP7	TP9	TP12	TP15	TP413
<b>Power</b>					
8 ohms stereo	700W x 2	900W x 2	1200W x 2	1500W x 2	1300W x 4
4 ohms stereo	1200W x 2	1600W x 2	2000W x 2	2500W x 2	2350W x 4
2 ohms stereo	1750W x 2	2250W x 2	3000W x 2	3750W x 2	3250W x 4
<b>Frequency</b>	20Hz-20kHz				
<b>Slew rate</b>	>20v/us				
<b>Damping factor</b>	<200				
<b>S/N rate</b>	>90 dB				
<b>THD+N</b>	<0.05%				
<b>Input sensitivity</b>	36/37/38/40/41/42dB				
<b>Input impedance</b>	10k ohms Balanced / Unbalanced				
<b>Protection</b>	Overheat, short circuits, DC, Limit and soft start, Output relay-zero current switch, intellectual clip limit				
<b>AC input voltage</b>	AC 230v 50-60Hz				
<b>Dimensions (W x H x D)</b>	483 x 90 x 396 (mm)				

## ACCESSORIES





# TP SERIES



# TP SERIES



Front view



Rear view

TECHNICAL FEATURES	TP7	TP9	TP12	TP15	TP413
<b>Power</b>					
8 ohms stereo	700W x 2	900W x 2	1200W x 2	1500W x 2	1300W x 4
4 ohms stereo	1200W x 2	1600W x 2	2000W x 2	2500W x 2	2350W x 4
2 ohms stereo	1750W x 2	2250W x 2	3000W x 2	3750W x 2	3250W x 4
<b>Frequency</b>	20Hz-20kHz				
<b>Slew rate</b>	>20v/us				
<b>Damping factor</b>	<200				
<b>S/N rate</b>	>90 dB				
<b>THD+N</b>	<0.05%				
<b>Input sensitivity</b>	36/37/38/40/41/42dB				
<b>Input impedance</b>	10k ohms Balanced / Unbalanced				
<b>Protection</b>	Overheat, short circuits, DC, Limit and soft start, Output relay-zero current switch, intellectual clip limit				
<b>AC input voltage</b>	AC 230v 50-60Hz				
<b>Dimensions (W x H x D)</b>	483 x 90 x 396 (mm)				

## ACCESSORIES



# TP SERIES



# TP SERIES



Front view



Rear view

TECHNICAL FEATURES	TP7	TP9	TP12	TP15	TP413
<b>Power</b>					
8 ohms stereo	700W x 2	900W x 2	1200W x 2	1500W x 2	1300W x 4
4 ohms stereo	1200W x 2	1600W x 2	2000W x 2	2500W x 2	2350W x 4
2 ohms stereo	1750W x 2	2250W x 2	3000W x 2	3750W x 2	3250W x 4
<b>Frequency</b>	20Hz-20kHz				
<b>Slew rate</b>	>20v/us				
<b>Damping factor</b>	<200				
<b>S/N rate</b>	>90 dB				
<b>THD+N</b>	<0.05%				
<b>Input sensitivity</b>	36/37/38/40/41/42dB				
<b>Input impedance</b>	10k ohms Balanced / Unbalanced				
<b>Protection</b>	Overheat, short circuits, DC, Limit and soft start, Output relay-zero current switch, intellectual clip limit				
<b>AC input voltage</b>	AC 230v 50-60Hz				
<b>Dimensions (W x H x D)</b>	483 x 90 x 396 (mm)				

## ACCESSORIES

