YAMAHA

VAR5640 EN

SPEAKER SYSTEM
VXL1B-24 VXL1W-24
VXL1B-16 VXL1W-16
VXL1B-8 VXL1W-8

Technical Specifications

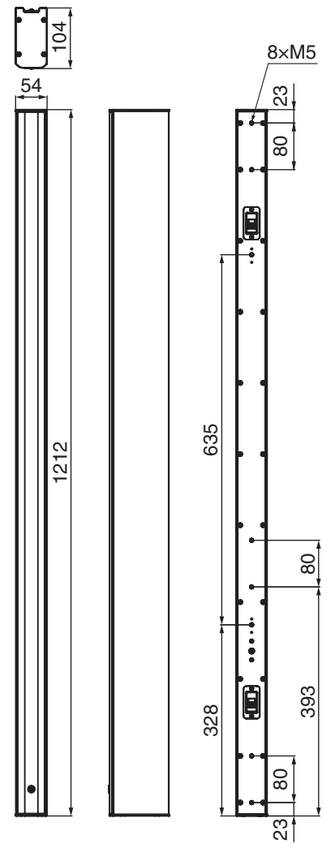
General Specifications

Model		VXL1(B/W)-24	VXL1(B/W)-16	VXL1(B/W)-8
Speaker type		Full-range, Bass reflex		
Component		1.5" (3.75 cm) Cone × 24	1.5" (3.75 cm) Cone × 16	1.5" (3.75 cm) Cone × 8
Coverage (-6 dB)		Horizontal: 170° Vertical: NORMAL: 15° (+7.5° – -7.5°), WIDE: 20° (+7.5° – -12.5°)	Horizontal: 170° Vertical: NORMAL: 25° (+12.5° – -12.5°), WIDE: 30° (+12.5° – -17.5°)	Horizontal: 170° Vertical: 40° (+20° – -20°)
Effective coverage (-10 dB)		Horizontal: 180° Vertical: NORMAL: 25° (+12.5° – -12.5°), WIDE: 35° (+12.5° – -22.5°)	Horizontal: 180° Vertical: NORMAL: 30° (+15° – -15°), WIDE: 45° (+15° – -30°)	Horizontal: 180° Vertical: 65° (+32.5° – -32.5°)
Nominal impedance		8Ω	12Ω	16Ω
Power rating	NOISE	110 W	80 W	40 W
	PGM	220 W	160 W	80 W
	MAX	440 W	320 W	160 W
Sensitivity (1 m/1 W)*1, *2		91 dB SPL (91 dB SPL: with port cover)	91 dB SPL (90 dB SPL: with port cover)	89 dB SPL (88 dB SPL: with port cover)
Maximum SPL*3		117 dB SPL (1 m)	116 dB SPL (1 m)	111 dB SPL (1 m)
Frequency range (-10 dB)*1		77 Hz – 20 kHz	81 Hz – 20 kHz	70 Hz – 20 kHz
	(With port cover)	98 Hz – 20 kHz	108 Hz – 20 kHz	110 Hz – 20 kHz
Connector		Euroblock (2 pin) × 2 (input: +/-) Max. wire size AWG12 (3.5 sq)		
Vertical coverage selector		NORMAL/WIDE		–
Overload protection		Full-range power limiting to protect network and transducers		
Magnetically shielded		No		
Dust and water resistant		IP34 (with port cover: IP35)		IP33 (with port cover: IP35)
Enclosure	Cabinet material	VXL1B-24/16/8: Aluminum extrusion cabinet, black VXL1W-24/16/8: Aluminum extrusion cabinet, white		
	Top/Bottom board material	ABS(UL94-5VB)		
Metal grille		Perforated aluminum (t=1.0 mm) Aperture ratio: 55%		
Finish		VXL1B-24/16/8: Black painting (approximate value: Munsell N3.0) VXL1W-24/16/8: White painting (approximate value: Munsell N9.0)		
Dimensions (W × H × D)	Speaker only	54 × 1212 × 104 mm	54 × 846 × 104 mm	54 × 480 × 104 mm
	With included bracket	54 × 1212 × 111.5 mm	54 × 846 × 111.5 mm	54 × 480 × 111.5 mm
Net weight	Speaker only	5.5 kg	3.9 kg	2.1 kg
Packaging		Packaged in 1 pc		

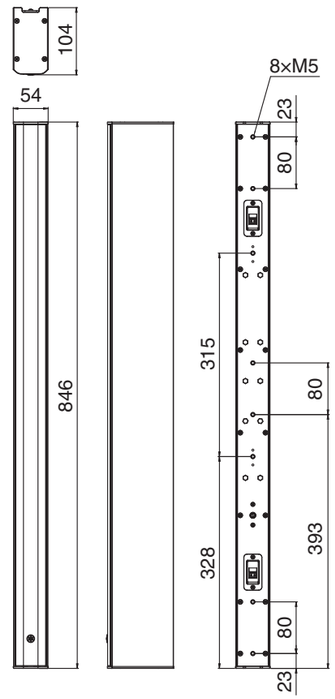
*1 : Half-space (2 π)
*2 : Measured at 2 m; value converted to 1 m is shown (frequency range: 100 Hz – 10 kHz)
*3 : Calculated based on power rating and sensitivity, exclusive of power compression.

Dimensions

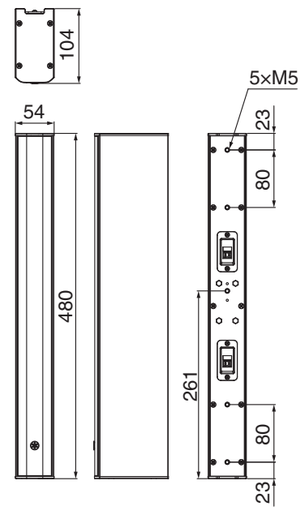
VXL1(B/W)-24



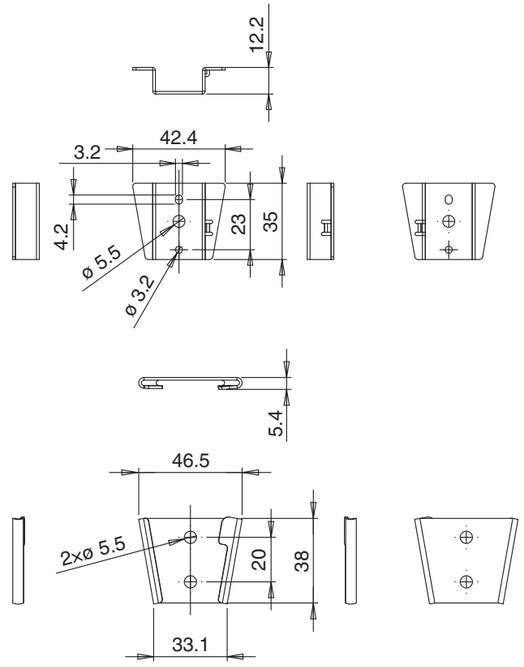
VXL1(B/W)-16



VXL1(B/W)-8



Mount Bracket



Unit: mm

* The contents of this manual apply to the latest specifications as of the publishing date. To obtain the latest manual, access the Yamaha website then download the manual file.

YAMAHA

SPEAKER ACCSESSARY

ST-L1B ST-L1W WMB-L1B WMB-L1W VCB-L1B VCSB-L1B VCSB-L1W HCB-L1B

EN

Technical Specifications

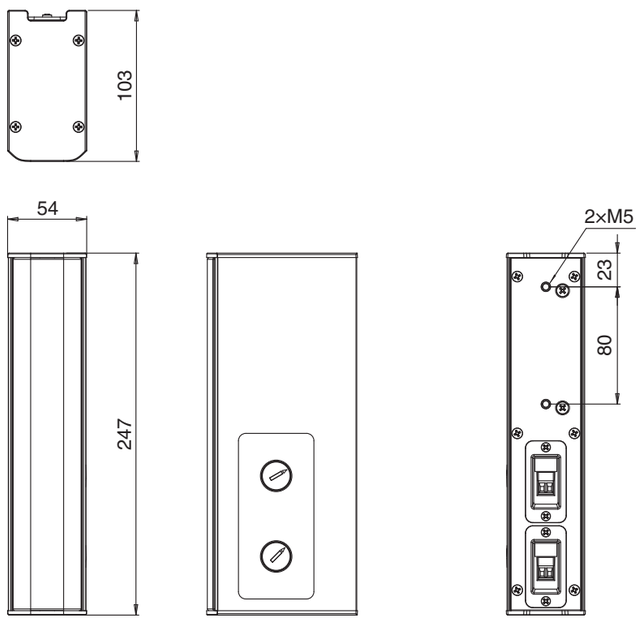
General Specifications

Model		ST-L1(B/W)
Supported speaker		VXL1(B/W)-24/16/8
Transformer taps	100 V	60 W, 30 W, 15 W
	70 V	60 W, 30 W, 15 W, 7.5 W
Speaker selector		VXL1(B/W)-24
		VXL1(B/W)-16
		VXL1(B/W)-8
Dust and water resistant		IP35
Dimensions (W × H × D)		54 × 247 × 103 mm
Net weight		1.9 kg

Model	WMB-L1(B/W)	VCB-L1B	VCSB-L1(B/W)	HCB-L1B
Material	Aluminum	Steel	Steel	Steel
Net weight	0.3 kg	0.23 kg	0.4 kg	(L) 0.19 kg (S) 0.06 kg

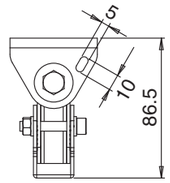
Dimensions

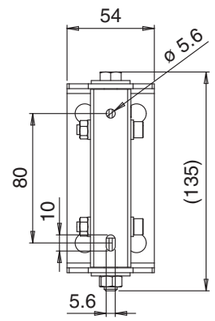
ST-L1(B/W)

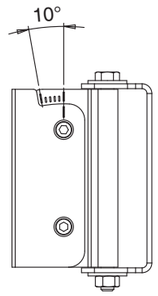


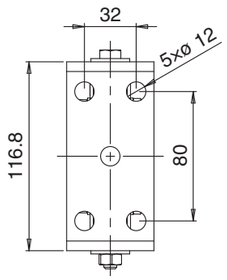
Unit: mm

WMB-L1(B/W)

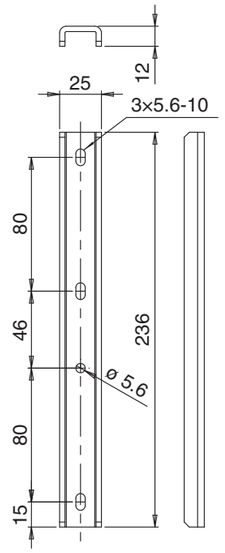




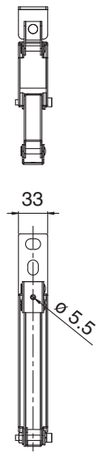


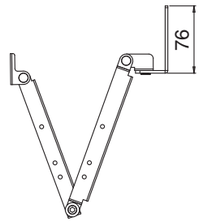


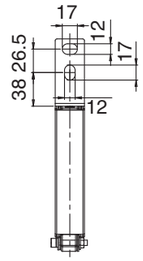
VCB-L1B



VCSB-L1(B/W)

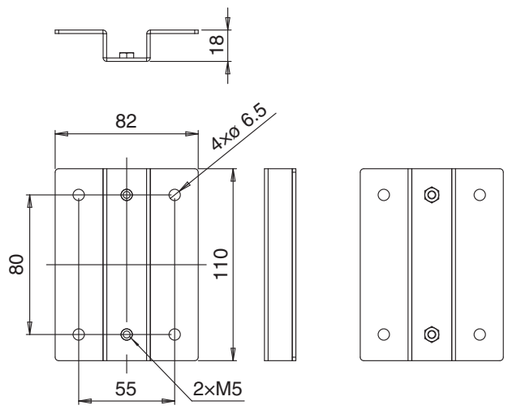




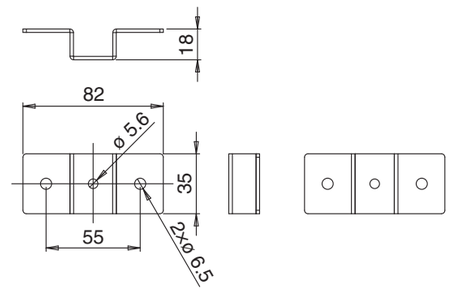


HCB-L1B

Coupling bracket (L)



Coupling bracket (S)



Manual Development Group
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