

# ΣS Series

The Beta Three ΣS Series speakers are high powered, compact, constructed of premium birch plywood, equipped with Beta Three transducers. Computer simulated design brings better frequency response and phase. With high vocal and speech clarity, ΣS Series speakers are suitable for a diverse range of applications including Houses of Worship, Events, Clubs, Rehearsal Halls, Ballrooms, etc.



## The full range speakers

The ΣS Series full range speakers includes sizes from 6" to 15", covering applications from small to medium venues. The range of speakers are equipped with high SPL woofers and compression drivers with PED diaphragms which offers the power and musical detail. A double 6" ΣS306/50 and a double 15" ΣS2153 are design for venues where more bass is needed. We also provide active version of ΣS212/85& ΣS215/85, namely ΣS212a/85 & ΣS215a/85. Both are equipped with two-way amplifiers, active X-overs and output limiter protection. ΣS212a/85& ΣS215a/85 offer one mic input and one line input, bass and treble adjustable and 110-230V switch.

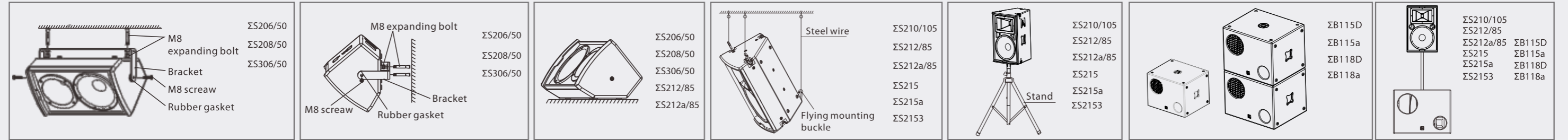
ΣS206/50	ΣS208/50	ΣS210/105	ΣS212/85	ΣS215/85
ΣS306/50			ΣS212a/85	ΣS215a/85
				ΣS2153

## The subwoofers

The ΣB115D subwoofer and ΣB118D subwoofer are two bass extension for the ΣS full range speakers. The cabinets are made of High intensity plywood, compact constructed and optimized phrase. The six order bandpass construction offers big bass power. The active version ΣB115a & ΣB118a are powered with an efficient 500W amplifier with electrical protection. The hybrid amplifier chassis offers efficient cooling. Both ΣB115a & ΣB118a offer Phase Switch and X-over point adjustable.

ΣB115D	ΣB118D
ΣB115a	ΣB118a

# Installation



# Speaker specification

	ΣS206/50	ΣS306/50	ΣS208/50	ΣS210/105	ΣS212/85	ΣS212a/85	ΣS215/85	ΣS215a/85	ΣS2153	ΣB115D	ΣB115a	ΣB118D	ΣB118a
<b>Acoustical</b>													
Type	2-way full range speaker					Two-way full range Active speaker	2-way full range speaker	Two-way full range Active speaker	2-way full range speaker	15" subwoofer	15" active subwoofer	18" subwoofer	18" active subwoofer
Frequency Response(3dB)	80Hz-18kHz	70Hz-18kHz	85Hz-19kHz	60Hz-20kHz	60Hz-16kHz	60Hz-16kHz	50Hz-16kHz	50Hz-18kHz	45Hz-16kHz	50Hz-150Hz	35Hz-250Hz	38Hz-150Hz	35Hz-250Hz
Sensitivity(1m/1W)	90dB	93dB	93dB	95dB	97dB	-	97dB	-	98dB	99dB	-	100dB	-
Max. SPL	109dB/115dB(peak)	115dB/121dB(peak)	113dB/119dB(peak)	118dB/123dB(peak)	120dB/126dB(peak)	120dB/126dB(peak)	120dB/126dB(peak)	120dB/126dB(peak)	126dB/132dB(peak)	125dB/131dB(peak)	125dB/131dB(peak)	126dB/132dB(peak)	126dB/132dB(peak)
Rated Power (RMS)	80W	160W	100W	200W	250W	-	250W	-	750W	450W	-	500W	-
Rated Impedance	8Ω	8Ω	8Ω	8Ω	8Ω	-	8Ω	-	4Ω	8Ω	-	8Ω	-
Coverage( H x V)	140°x 140°	140°x 140°	140°x 140°	(55°-100°)x50°	80°x 50°	80°x 50°	80°x 50°	80°x 50°	60°x 40°	-	-	-	-
<b>Transducers</b>													
HF	1 x 1"(25mm)	1 x 1"(25mm)	1 x 1(25mm)	1 x 1.7"(44mm)	1 x 3"(75mm)	1 x 3"(75mm)	1 x 3"(75mm)	1 x 3"(75mm)	1 x 3"(75mm)	-	-	-	-
LF	1 x 6"	2 x 6"	1 x 8"	1 x 10"	1 x 12"	1 x 12"	1 x 15"	1 x 15"	2 x 15"	1 x 15"	1 x 15"	1 x 18"	1 x 18"
<b>Physical</b>													
Connectors	Input 1 x NL4	1 x NL4	1 x NL4	1 x NL4	1 x NL4	1 x XLR	1 x NL4	1 x XLR	1 x NL4	1 x NL4	1 x XLR	1 x NL4	1 x XLR
	Output -	-	-	-	1 x NL4	1 x XLR	1 x NL4	1 x XLR	1 x NL4	1 x NL4	1 x XLR	1 x NL4	1 x XLR
Enclosure	12mm Birch Plywood		15mm Birch Plywood						18mm Birch Plywood				
Finish	Black polyurethane coating												
Handles	-	-	-	-	2 x wooden handles	2 x wooden handles	2 x wooden handles	2 x wooden handles	2 x wooden handles	2 x wooden handles	2 x wooden handles	2 x wooden handles	2 x wooden handles
Pole Socket	-	-	-	35mm (bottomx1)	35mm (bottomx1)	35mm (bottomx1)	35mm (bottomx1)	35mm (bottomx1)	35mm (bottomx1)	35mm (topx1)	35mm (topx1)	35mm (topx1)	35mm (topx1)
Rigging Points	M8( topx1, bottomx1, Left x 2)			Buckle(topx3, bottomx3)									
Dimensions(W x D x H)	212x194x364mm	212x194x541mm	258x247x408mm	330x308x502mm	397 x 370 x 600mm	397 x 370 x 600mm	462x440x720mm	462x440x720mm	550x660x1075mm	600x500x460mm	600x500x460mm	693x580x539mm	693x580x539mm
Net Weight	6kg	9.5kg	8.2kg	15kg	25kg	30kg	33kg	37kg	63kg	29kg	34kg	37kg	45kg
Gross Weight (2pcs/pack)	15kg(2pcs/pack) (Sold in pair only)	22.5kg(2pcs/pack) (Sold in pair only)	22kg(2pcs/pack) (Sold in pair only)	18kg	29kg	35kg	37kg	42kg	67. 5kg	33.4kg	40. 4kg	44.4kg	50kg
Accessories	1 x U bracket + 1 x Speakon connector+5mm hex wrench(included)												
<b>Amplifier</b>													
Type	-	-	-	-	-	Class H	-	Class H	-	-	Class H	-	Class H
Amplifier Power	-	-	-	-	-	400W	-	400W	-	-	500W	-	500W
Input Impedance (line)	-	-	-	-	-	Balanced 20kΩ, Unbalanced 10kΩ	-	Balanced 20kΩ, Unbalanced 10kΩ	-	-	Balanced 20kΩ, Unbalanced 10kΩ	-	-
<b>Power Supply</b>													
Type	-	-	-	-	-	Transformer	-	Transformer	-	-	Transformer	-	Transformer
Safety Operating Range	-	-	-	-	-	AC 220V-240V~, 50/60Hz, or AC 110V-120V~, 50/60Hz	-	AC 220V-240V~, 50/60Hz, or AC 110V-120V~, 50/60Hz	-	-	AC 220V-240V~, 50/60Hz, or AC 110V-120V~, 50/60Hz	-	AC 220V-240V~, 50/60Hz, or AC 110V-120V~, 50/60Hz
Voltage Selector	-	-	-	-	-	Yes	-	Yes	-	-	Yes	-	Yes
Connectors	-	-	-	-	-	IEC	-	IEC	-	-	IEC	-	IEC