

SA 4515(S) & SA 4518(S)



- INCREDIBLE L.F. REPRODUCTION
down to 40 Hz in modular bass-horns
- EXTRA ROAD PROOF
undestructible construction
- HIGH ACOUSTIC OUTPUT
increases speaker efficiency ca. 5dB
- HEAVY DUTY CASTORS ON BACK-SIDE
for easy loading and unloading



The SA 4515 and 4518 „W-bins“ are folded horn/reflex enclosures specially designed for use in theatres, discotheques, and P.A. systems. They are intended to be part of a large modular bass-horn system that can produce a very high acoustic output at very low frequencies. This modular bass-horn should consist of six 4515 bins in a 2 x 3 array or eight 4518 bins in a 2 x 4 array to provide full horn loading down to 40 Hz. And if you know that a 4515 uses two 15" loudspeakers and a 4518 one 18" loudspeaker it is interesting to try to imagine what is happening when a stereo pair of these horn systems is reproducing a synthesizer note of let's say 50 Hz. You have to experience such a reproduction to know why you can only try to imagine it. And your better don't do it just after dinner because something might happen to your stomach!

However, due to the vented sub-chamber, a single 4515 or 4518 at full power still can produce a considerable acoustic output down to 60 Hz. Therefore the amount of cabinets needed can be tailored to suit your needs and purse and because of the modular design it can always be expanded later on.

SA W-bins: superior in sound and construction

Because W-bins have to handle very high acoustic pressure levels, especially the panels of the sub-chamber and the back-side, high standards of construction are necessary to prevent early reflections, panel resonances and loss of output at very low frequencies. Also the cabinets must withstand the intensive and almost killing use under heavy road conditions and still maintain the same performance quality as brand new bins.

SA W-bins are manufactured for almost seven years and during that time research and experience have resulted in a lot of improvements. Therefore SA W-bins can easily meet those required high standards. All outside panels are made of multi-laminate birchen plywood for maximum solidity. The sub-chamber is made of 18 mm M.D.F. board (Maximum Density Fibre), a material with superior acoustic qualities due to high specific gravity and good internal damping. This eliminates unwanted resonances almost completely so a clean bass-response is obtained. Because of the mid-range colouring, inherent in W-horn designs, the recommended cross-over frequency lies between 160 Hz and 250 Hz.

The 4515 and 4518 cabinets, intended for permanent installation, are available in black acrylic paint finish with or without loudspeakers.

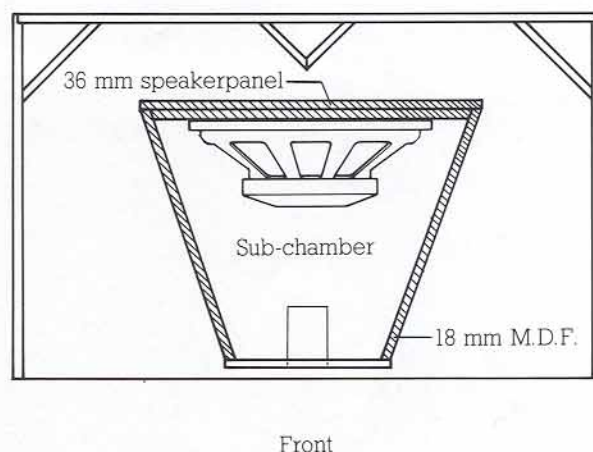
The 4515S and 4518S are flightcase versions provided with aluminium protection strips, steel corners and extra heavy duty castors. The "S" versions are finished with perstorp and available in black with or without speakers and in blue with speakers only.

Specifications:

Frequency range:	55 Hz – 400 Hz, $\pm$ 6 dB
Power capacity:	
4515:	400 W (continuous sine wave) 800 W (continuous program)
4518:	300 W (continuous sine wave) 600 W (continuous program)
Nominal impedance:	
4515:	4 Ω or 8 Ω
4518:	8 Ω
Sensitivity:	
4515:	105 dB (1W, 1 m, 80 Hz-500 Hz)
4518:	103 dB (1W, 1 m, 80 Hz-500 Hz)
Beamwidth:	60° x 45° min.

★Figures mentioned above apply for models fitted with JBL E-140, E-145, 2225, E-155 or 2240 loudspeakers only.

Cross-section of a W-bin



Dimensions:

	width	x height	x depth
4515:	1220 mm	x 845 mm	x 762 mm
	48"	x 33 3/4"	x 30"
4518:	1220 mm	x 605 mm	x 762 mm
	48"	x 23 7/8"	x 30"

Weight:

4515 (empty):	97 kg. (214 lbs.)
4515S (empty):	106 kg. (234 lbs.)
4515 (with speakers):	117 kg. (258 lbs.)
4515S (with speakers):	126 kg. (276 lbs.)
4518 (empty):	86 kg. (190 lbs.)
4518S (empty):	95 kg. (210 lbs.)
4518 (with speaker):	100 kg. (220 lbs.)
4518S (with speaker):	109 kg. (240 lbs.)

Stage Accompany reserves the right to change specifications without notice. As a result of constant research SA products may differ from published description but will always equal or exceed the specifications stated above.

