

# SA18

product group:  
system type:

Stage Performance (GROUNDSTACK)  
Direct Radiating LF 18"

## **A** construction

The SA18 is a dedicated LF / subwoofer system in a trapezoidal, computer optimized enclosure. Loudspeaker complement consists of a single 18" LF woofer in a vented chamber. The enclosure is constructed of durable 12-ply void-free birch laminate, dadoed for strength and durability. Handles are balance-optimized to facilitate transportation. A standard tripod / polemount adaptor is included. Perforated steel is employed for frontal protection of the loudspeaker complement.

### Features:

**McCauley Performance Class Componentry**  
**Tripod / Polemount Adaptor**  
**9 ply Dadoed Construction**  
**Durable ProCoat™ Elastomeric Finish**



## **💡** the idea behind it

The SA18 was designed as multipurpose, dedicated LF system for small to medium scale sound reinforcement. The SA18 offers high quality bass and sub-bass output in a manageable, durable enclosure. The SA18 can be combined with SA10-1 or SA12-1, by stacking or use of the polemount adaptor, to create a high impact, scalable 3-way P.A. system. This system also integrates easily with other McCauley SA™ products, offering consistent coverage and a uniform appearance.

### Applications:

**Auditoriums**  
**Corporate / Seminar**  
**Multipurpose Rental P.A.**  
**Rehearsal P.A.**

### performance parameters

**AES power handling** 450w RMS

**frequency response** 40Hz - 800Hz

**nominal impedance** 8Ω

**sensitivity**  
(2.83v@8Ω, 1w, 1m) 98db

**maximum output SPL**  
Continuous 128db  
Peak 131db

**recommended bandpass** 20Hz / 180Hz

### physical properties

**weight** 110lbs / 49kgs

**dimensions**  
inches 28H x 22W x 30D  
centimeters 71H x 56W x 76D

**finish** ProCoat™

**enclosure material** 5/8" 12-ply

**construction** rabbet & dadoed

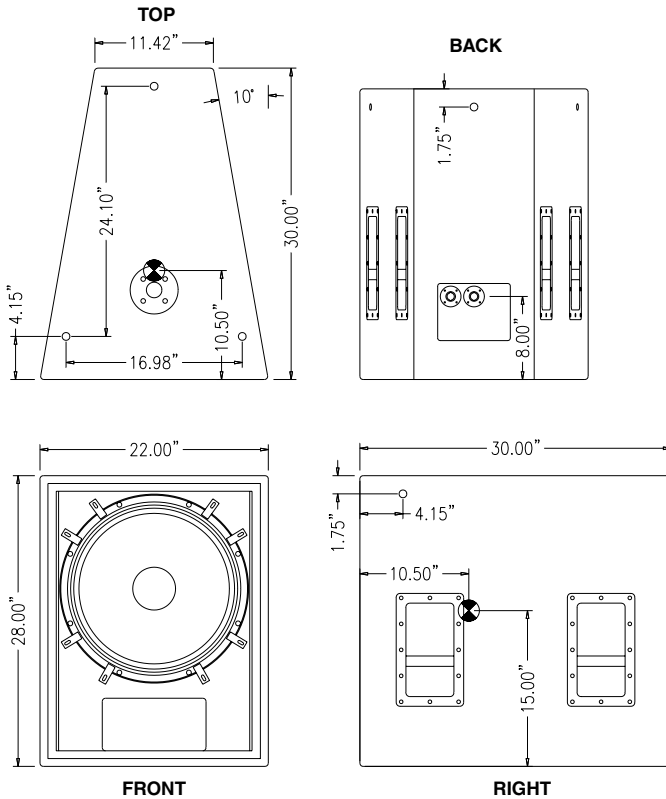
**suspension** none

**connectors** parallel NL4

**transducers** (1) 18"

**recommended mid/high** SA12-1, SA15-1, SA15-2

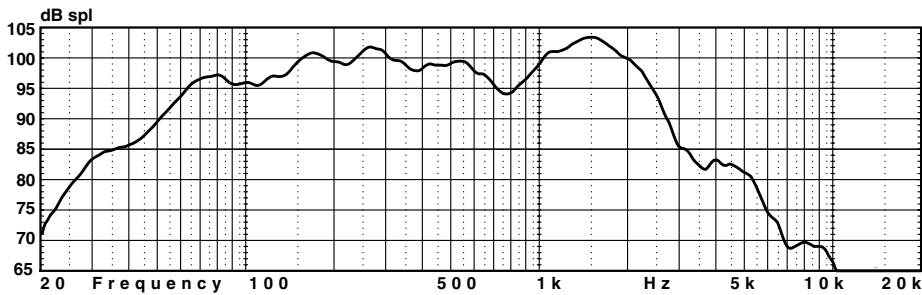
## dimensional illustrations



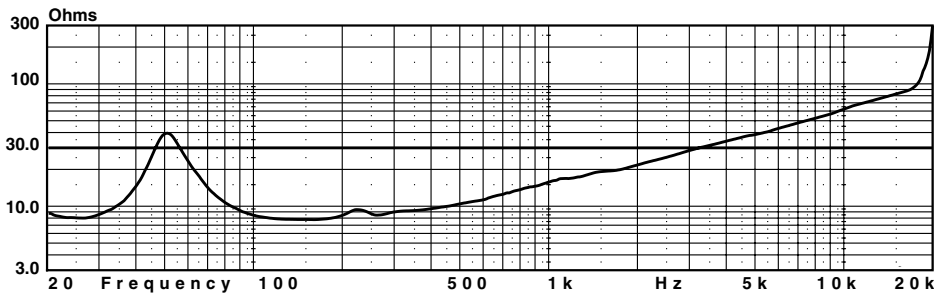
## architectural specifications

The loudspeaker shall consist of one 18" low frequency driver mounted in a bass reflex enclosure. The low frequency section shall contain one 18" "Focused Field" driver with a power handling capacity of 400 watts RMS and shall have a sensitivity of 98 dB SPL measured at 1 meter with 2.83 volts into a nominal 8 ohm load. The loudspeaker system shall be capable of 128 dB SPL continuous and 131 dB SPL peak maximum output. The loudspeaker system shall have an effective operating range of 45 Hz to 1 kHz +/- 3 dB (40Hz to 3 kHz -10 dB). The enclosure shall weigh a total of 110 lbs. and shall measure 28 inches tall, 22 inches wide (9.5 inches at rear), and 30 inches in depth. The enclosure sides shall be angled at 10° from front to back forming a trapezoidal shape. The enclosure shall be made of 12-ply void-free birch hardwood and shall have a weather and wear resistant ProCoat™ elastomeric finish. The enclosure shall incorporate two steel handles on each side for easy mobility. Electrical connections shall be made via paralleled Neutrik NL-4 connectors, or optional NL-8 or EP series connectors. The loudspeaker shall be the McCauley SA18.

## response data



on axis response (2.83v@1m, free-field conditions)



impedance