




SOUND FORCE



STATE-OF-THE-ART DANCE CLUBS SYSTEMS DESIGNED FOR SONIC PERFECTION, RELIABILITY AND IMPRESSIVE LOOKS

The Sound Force Series of systems has been designed for today's high-level dance venues where exceptional sound, imposing power and impressive looks are key requisites.

The scalability of the Sound Force Series provides club sound designers with a wide range of configurations. Comprising mid-high, mid bass, and subwoofer options, the Sound Force Series can be adapted to the individual needs of the venue.

Designed for performance and reliability, built to exacting standards-Sound Force by D.A.S. Audio. The first choice for high-level dance clubs worldwide.

SOUND FORCE

THE ELEMENTS



SF-112



SF-215



SF-221

Model	SF-112	SF-215	SF-221
RMS (Average) Power Handling ⁽¹⁾	500 W	1400 W	2 x 2000 W
Peak Power Handling	2000 W	5600 W	2 x 8000 W
Frequency Range (-10 dB) ⁽²⁾	80 Hz - 20 kHz	60 Hz - 125 Hz	25 Hz - 100 Hz
Nominal Impedance	8 ohms	4 ohms	2 x 4 ohms
Crossover Modes	Passive/Bi-amp	Passive	Passive
On-axis Sensitivity 1 W/ 1 m	109 dB SPL	102 dB SPL	104 dB SPL
Rated Maximum Peak SPL at 1 m ⁽³⁾	142 dB	134 dB	145 dB
HF Horn Coverage Angles (-6 dB)	90° x 50°	-----	-----
Enclosure Material	Birch Plywood	Birch Plywood	Birch Plywood
Color/Finish	Black paint	Black paint	Black paint
Rigging points	20 x M10 threaded hardware	20 x M10 threaded hardware	26 x M10 threaded hardware
Transducers/ Replacement Parts	LF: 1 x 12HQ/GM 12HQ HF: M-75N /GM-M75 VHF: 2 x TW1/GM-TW1 AC INPUT: powerCON TRUE 1	LF: 2 x 15G/GM 15G	LF: 2 x 21LXN4/GM 21LXN4
Connectors	2 x NL4 Speakon	2 x NL4 Speakon	2 x NL4 Speakon
Dimensions (H x W x D)	113 x 73.7 x 52 cm 44.5 x 29 x 20.5 in	113 x 45.5 x 53.5 cm 44.5 x 18 x 21 in	60x120x110 cm 23.6x47.2x43.3 in
Weight	55.5 kg (122 lb)	57 kg (125 lb)	130 kg (286 lb)
Accessories	AX-SF112AV	AX-SF1 AX-SF3 AX-SF2215	AX-SF2

1. Based on a 2 hour test continuously applying 6 dB crest factor pink noise.

2. In Bi-amp mode, with recommended active settings.

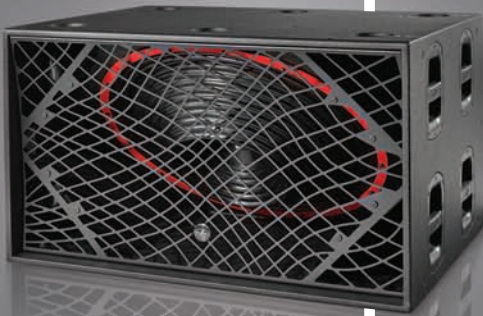
3. Maximum calculated Peak SPL based on sensitivity and RMS power handling.



ELECTRONICS

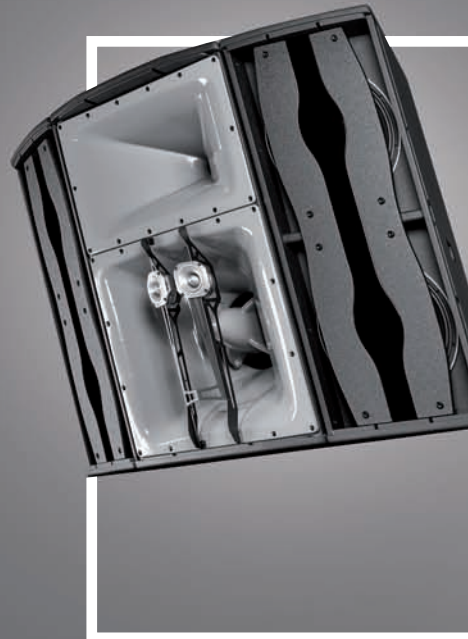
At the core of the Sound Force system is a complete electronics package comprised of the D.A.S. D-100 four channel amplifier with switch mode power supply. Signal control is handled by the D.A.S. DSP-2060A or DSP-4080 digital signal processors with dedicated Sound Force presets. These include X-overs, time alignment, and both Peak and RMS limiters to assure optimum performance and reliability.

The electronics package can be monitored and controlled remotely by way of the D.A.S. DASnet software which allows the user management of the digital signal processors.



SF-30A

Model	SF-30A
Nominal LF Power Amplifier	15000 W_{peak} - 7500 W_{continuous}
Input Type	Balanced Differential Line
Input Impedance	20 kohms
Sensitivity	Line: 1.95 V (+8 dBu)
Frequency Range (-10 dB) ⁽¹⁾	24 Hz - 90 Hz
Rated Maximum Peak SPL at 1 m ⁽²⁾	150 dB
Transducers/Replacement Parts	LF: 1 x M-force 30
Enclosure Geometry	Rectangular
Enclosure Material	Birch Plywood
Color/Finish	Black ISO-flex Paint
Rigging System	Ground Stackable
Connectors	Audio INPUT: Female XLR Audio LOOP THRU: Male XLR Audio + Data INPUT: etherCON (DASnet) Audio + Data OUTPUT: etherCON (DASnet) AC INPUT: powerCON TRUE 1
AC Power Requirements	Universal Mains 85-230V
1/3 Power (Pink Noise)	12.4 A at 115 V, 6.2 A at 230 V
Dimensions (H x W x D)	60 x 106 x 80 cm 23,6 x 41,7 x 31,5 in
Weight	106 kg (233 lb)
Accessories	AX-SF2



1. Frequency range measured with Low Pass filter set up at 95 Hz. Amplifier includes four different Low Pass Filters (63 Hz, 80 Hz, 95 Hz, 110 Hz)

2. Maximum calculated PEAK SPL based on sensitivity and PEAK amplifier power.



SF-30A

THE REVOLUTION

Breaking the rules and establishing a revolution in loudspeaker components, the moving magnet motor of the SF-30A blows away the conventional physical concepts behind speaker design. Instead of the traditional moving coil inside a magnetic field, a pair of high power neodymium magnets move in linear fashion driving a spectacular 30" high density polyethylene cone with up to 300 kg of force.

This ground-breaking moving magnet motor/cone assembly provides the SF-30A with an exceptionally high SPL, equivalent to four 18" or two 21" loudspeakers in an enclosure equivalent in size to that of a single double 18" subwoofer. Power compression is inexistent in the motor design and the high performance in terms of electromagnetic conversion, power handling and reliability make the SF-30A professional audio's most unique subwoofer system.

The SF-30A is driven by a specially dedicated Class D switch mode amplifier with DPC® (Differential Pressure Control) technology. The DPC® provides consistency in the system's performance over time and use, maintaining distortion at the level of conventional systems, albeit with a much higher SPL.



CUSTOM COLORS / HARDWARE

D.A.S. offers the Sound Force systems in custom colors. Standard colors are grey or red.

There are two specially designed stacking accessory kits for safely installing horizontal or vertical dance stacks. Vertical stacking hardware allows the SF-112 mid-high unit to be tilted downwards. Hardware is also available to fly SF-215/SF-112 in horizontal arrays.

DANCE STACKS

SF-112



SF-215



SF-221



SF-112



SF-215



SF-30A



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