



# TECHNICAL SPECIFICATIONS KF940

## DESCRIPTION

The KF940 bent bass horn subwoofer represents the next step forward in large format subbass reproduction. Widely known as the SuperSub™, the system is designed for use in arrays of four or more which produce extremely high output sub bass response to the very bottom of the audible spectrum.

The 13-ft bent horn loads 2x 12-in woofers specially designed to endure the extreme conditions the SuperSub imposes. An array of four KF940's will produce a maximum output of 146.0 dB at 28 Hz and features -3 dB and -10 dB points of 24 Hz and 21 Hz, respectively.

## APPLICATIONS

The KF940 subwoofer system is engineered for use in arrays of four or more modules and are appropriate in any application requiring extremely high output levels of sub bass information.

Relatively small SuperSub arrays have successfully filled the largest domed stadiums with high impact subbass information for concert tours, major corporate A/V and mega-raves held in sports arenas.

The portable KF940 includes balance-optimized handles and heavy duty rear-mounting caster pallet that bolts to the rear of the KF940 at four 3/8"-16 threaded mounting points. Six year warranty.

Applications include:

- Stadiums
- Concert Tours
- Large Nightclubs



## DESCRIPTIVE DATA

Configuration	Sub Bass
Sub Bass Subsystem	2x 12-in Woofer, Bent Horn
Cabinet Type (shape)	Rectangular
Enclosure Materials	Baltic Birch Plywood
Finish	Black Polyurethane
Connectors	2x Neutrik NL4 Speakon
Grill	Vinyl Coated Perforated Steel

Dimensions	inches		millimeters	
	Height	32	813	
Width	36	914		
Depth	51	1295		

Weights	pounds		kilograms	
	Net Weight	360	163.8	
Shipping Weight	400	182.0		

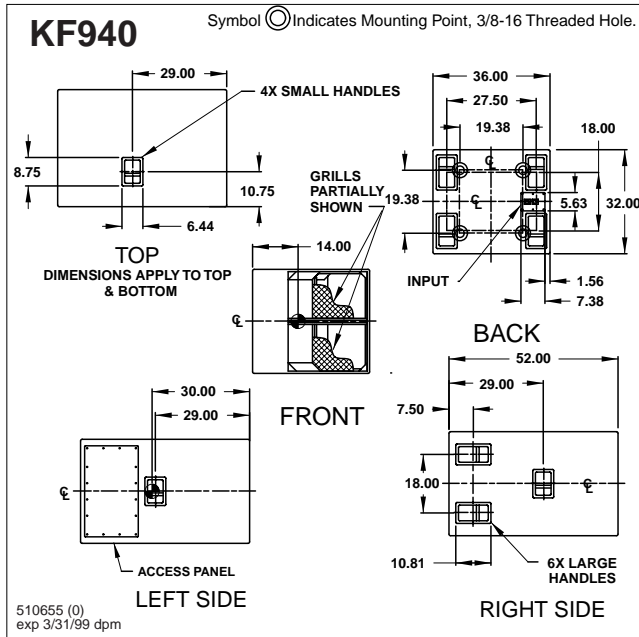
Companion Systems	
LF	KF930, BH853F
MF	KF920
HF	KF910, KF911, KF913
Mid/High	KF853D
Full Range	KF750, KF850, KF860, KF861
Downfill	KF755, KF855





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## DIMENSIONAL DRAWING



## ARCHITECTURAL SPECIFICATIONS

The sub bass system shall incorporate 2x 12-in woofers. The drivers shall be mounted on a bent bass horn with a pathlength of at least 13 feet constructed of hardwood plywood veneer and structural foam.

System frequency response shall vary no more than  $\pm 3$  dB from 24 to 300 Hz. The system shall produce a Sound Pressure Level (SPL) of 109 dB SPL on axis with a power input of 1 Watt and shall be capable of producing a peak output of 145 dB SPL on axis at 1 meter. The system shall handle 1000 Watts of amplifier power (AES Standard) and shall have a nominal impedance of 2x 8 ohms.

The loudspeaker enclosure shall be rectangular in shape. It shall be constructed of 15mm thickness void-free cross-grain-laminated Baltic Birch plywood and shall employ extensive internal bracing. It shall be finished in black polyurethane. Input connectors shall be dual Neutrik NL4 Speakon. The enclosure shall include handles and a rear-mounting caster pallet that shall be secured via bolts at four 3/8"-16 threaded mounting points. The mouth of the horn shall be covered with a vinyl coated perforated steel grill.

The sub bass system shall be the EAW model KF940.

## NOMINAL DATA

<b>Frequency Response (1 W @ 1m)</b>	
$\pm 3$ dB	24 Hz - 300 Hz
-10 dB	21 Hz
<b>Axial Sensitivity (dB SPL, 1 Watt @ 1m)</b>	
Sub Bass	109
<b>Impedance (Ohms)</b>	
Sub Bass	2x 8
<b>Power Handling, AES Standard (Watts)</b>	
Sub Bass	1000
<b>Calculated Maximum Output (dB SPL)</b>	
Sub Bass Peak	145.0
Sub Bass Long Term	139.0
<b>Recommended High-Pass Frequency</b>	
24 dB/Octave	22 Hz