

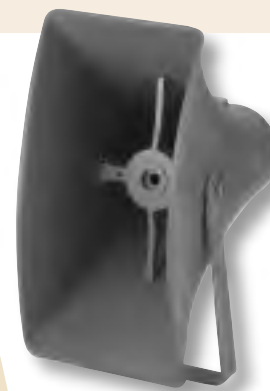
### Compound diffraction projector **FC100**

A compound diffraction horn consisting of two sections for use with 1828 or 1829 series drivers. The folded construction of the rear horn coupled with the smaller dimensions of the front horn provides a more extended frequency response and cleaner sound. FC100 comes in weather-resistant gray and includes an integral mounting bracket. Compound diffraction design, wide coverage pattern, and 150°H x 110°V at 2 kHz dispersion.

#### Compatible Drivers

1828C/T

1829BT



System Examples

EVID™ Systems

### Folded sectoral horn **Cobreflex® IIB**

A folded sectoral horn for all driver models in the 1824S, 1828, 1829, ID30, ID60 series and 7110XC. Features a patented design that eliminates high frequency phase cancellation and improves intelligibility. Cobreflex IIB provides an 80° x 60° dispersion, comes in weather-resistant gray and includes an integral mounting bracket. High efficiency and low cutoff frequency in a compact package.

#### Compatible Drivers

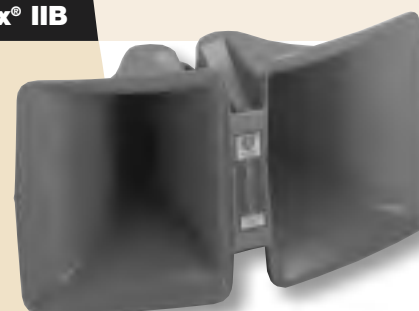
1828C/T

1829BT/B

ID30C-8/16/T

ID60D-T

7110XC



Surface Mount Speakers

Ceiling Speakers

### Folded sectoral horn **Cobreflex® III**

A folded sectoral horn for all driver models in the 1824S, 1828, 1829, ID30, ID60 series and 7110XC. Features a patented design that eliminates high frequency phase cancellation and improves intelligibility. Cobreflex III provides an 100° x 60° dispersion, comes in weather-resistant gray and includes an integral mounting bracket. High efficiency and low cutoff frequency in a compact package.

#### Compatible Drivers

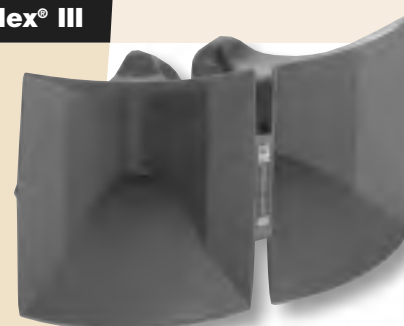
1828C/T

1829BT/B

ID30C-8/16/T

ID60D-T

7110XC



Horns and Drivers

Amplifiers

Specifications	FC100
Low-Freq Rolloff <sup>1</sup> -12 dB	260 Hz
Dispersion <sup>2</sup>	150° H x 110° V
2 kHz	20.5 H x 10.5 W x 20.0 D
Dimensions, in. (cm)	(52.0 H x 26.5 W x 51.0 D)
Shipping Weight	21 lb. (9.5 kg)

Specifications	Cobreflex IIB	Cobreflex III
Beamwidth (@ 2 kHz)	80° H x 60° V	100° H x 60° V
Directivity Factor, R <sub>0</sub> (Q)	9.1 @ 2 kHz	15.9 @ 2 kHz
Lower Usable Limit	250 Hz min.	250 Hz min.
Dimensions, in. (cm)	9.3 H x 18.5 W x 10.3 D (23.6 H x 47.0 W x 26.2 D)	14.5 H x 27.5 W x 15.0 D (36.8 H x 69.9 W x 38.1 D)
Net Weight	5.1 lb. (2.3 kg)	7 lb. (3.2 kg)
Shipping Weight	6.7 lb. (3.0 kg)	10 lb. (4.5 kg)

1. Low frequency limit based on capability of driver used. If horn cutoff is higher than rated limit of driver, cutoff will be determining factor.  
2. Polar curves @ 10' in an anechoic chamber, 1/3 octave band-limited pink noise (-6 dB points).

Paging Mics

ProAnnounce™

### 30-watt explosion proof driver 7110XC

#### Compatible Horns

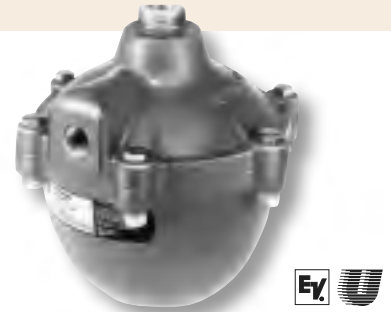


Cobreflex IIB



Cobreflex III

A 30-watt “explosion-proof” driver that will not create a spark or detonate in an explosive atmosphere. Integral sintered bronze acoustic screen and heavy die-cast aluminum case meet the UL standards for explosion-proof classification. Meets or exceeds standards for use in hazardous areas classified as Class I – Groups B, C and D, plus Class II – Groups E, F and G. Dual 1-inch screw-on exits, 8-ohm impedance. Driver housing is designed to contain a University Sound 5030 transformer for 20/70.7-volt distributed systems. Transformer purchased separately.



System Examples

EVID™ Systems

### 30-watt driver for reentrant horns ID30CT

#### Compatible Horns



Cobreflex IIB



Cobreflex III

A 30-watt heavy-duty driver for reentrant horns. Designed for use in applications that require continuous, high-level acoustic output such as high-level public address. Features rugged, weather-resistant phenolic diaphragms, indoor/outdoor packaging, 1-inch screw-on exit and a 25/70.7-volt transformer with 1.25-, 2.5-, 5-, 10-, 15- and 30-watt taps.

**ID30C-16** Same as ID30CT except without transformer, 16-ohm impedance.

**ID30C-8** Same as ID30CT except without transformer, 8-ohm impedance.



Surface Mount Speakers

Ceiling Speakers

### 60-watt driver for reentrant horns ID60DT

#### Compatible Horns



Cobreflex IIB



Cobreflex III

A 60-watt heavy-duty driver for reentrant horns. Designed for use in applications that require continuous, high-level acoustic output such as high-level public address. Features rugged, weather-resistant phenolic diaphragms, indoor/outdoor packaging, 1-inch screw-on exit and a 25/70.7-volt transformer with 1.88-, 3.75-, 7.5-, 15-, 30- and 60-watt taps.



Horns and Drivers

Amplifiers

Specifications	7110XC	ID30 Series	ID60DT
Power Handling (500 Hz-5 kHz) pink noise	30 watts	30 watts	60 watts
Frequency Response	500 Hz-4 kHz, ±5 dB	500 Hz-4 kHz, ±5 dB	500 Hz-4 kHz, ±5 dB
Sensitivity (1 W, 1 m 500 Hz-5 kHz pink noise, Cobreflex III horn)	100 dB SPL	106 dB SPL	107 dB SPL
Nominal Impedance	8 ohms (on CF III)	8 ohms (ID30C-8) 16 ohms (ID30C-16) 25/70.7 CV (ID30CT)	8 ohms (ID60D-8) 25/70.7 CV (ID60DT)
Dimensions, in. (cm)	7.9 dia. x 7.4 D (20.1 dia. x 18.8 D)	4.2 dia. x 5.2 depth (10.7 dia. x 13.2 depth)	5.6 dia. x 6.4 depth (14.2 dia. x 16.3 depth)
Net Weight	12 lb. (5.4 kg)	3.5 lb. (1.6 kg) ID30CT: 4.5 lb. (2.0 kg)	5.9 lb. (2.7 kg) ID60CT: 7.4 lb. (3.4 kg)

Paging Mics

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