



# CJ-46

## Projector Horn For Wide-Angle Sound Dispersion



CJ-46

### General Description

The all-purpose Model CJ-46 wide-angle sound projector screw mounts to Atlas Sound PD and SD Series compression drivers to provide maximum audio penetration through adverse ambient sound levels and coverage over long distances. For versatile mounting applications, Model CJ-46 features a heavy-duty steel mounting bracket with positive lock for horizontal and vertical positioning in single or stacked multi-unit clusters. To meet application requirements, the prime sound dispersion axis may be changed from horizontal to vertical via a 90° bell rotation and four 1/4" screws. Model CJ-46 is a low silhouette reflex unit manufactured of non-resonant fiberglass with a spun aluminum re-entrant section. Weight is 14 1/2 lbs.

### Specifications

Dispersion	120°
Low Frequency Cut Off	115Hz
Air Column Length	4½'
Bell Size	22" x 12" (584 x 330mm)
Horn Length	17" (432mm)
Bracket	8¾" (222mm)

### Architect and Engineer Specifications

Sound projector shall be Atlas Sound \_\_\_\_\_ (Model CJ-46) or approved equal. The weatherproof exponential-flared reflex type unit shall have an air column length of 4½'. Low frequency cut-off shall be 115 Hz. Unit shall have a dispersion angle of 120° in the plane of narrower horn dimension and 60° in the wider dimension. It shall be supplied with coupler to accept 1¾" - 18 threaded compression driver. The mounting bracket shall be of steel with choice of prime directional sound distribution emphasis via rotation of the horn bell. Bell size shall be 22" W x 12" H x 17"D. Sound projector shall be constructed of non-resonant fiberglass with spun aluminum re-entrant section. Projector shall have a black finish and weigh 14½ lbs.

### Features

- Directional High-Efficiency Reflex Sound Projector with Wide Angle Dispersion
- Equipped with Standard 1¾" - 18 Male Threads for Use with Compression Driver Units
- Heavy-Duty Positive Locking Steel Mounting Bracket for Secure Positioning
- Environment-Resistant Construction for Outdoor/Indoor Applications

### Sound Pressure Levels of Model CJ-46 with Atlas Sound Compression Drivers

PD-30T	125dB
PD-5VH	127dB
PD-5VT	129dB
PD-60A/PD-60TA	129dB
SD-70	131dB
PD75T	131dB

### Applications

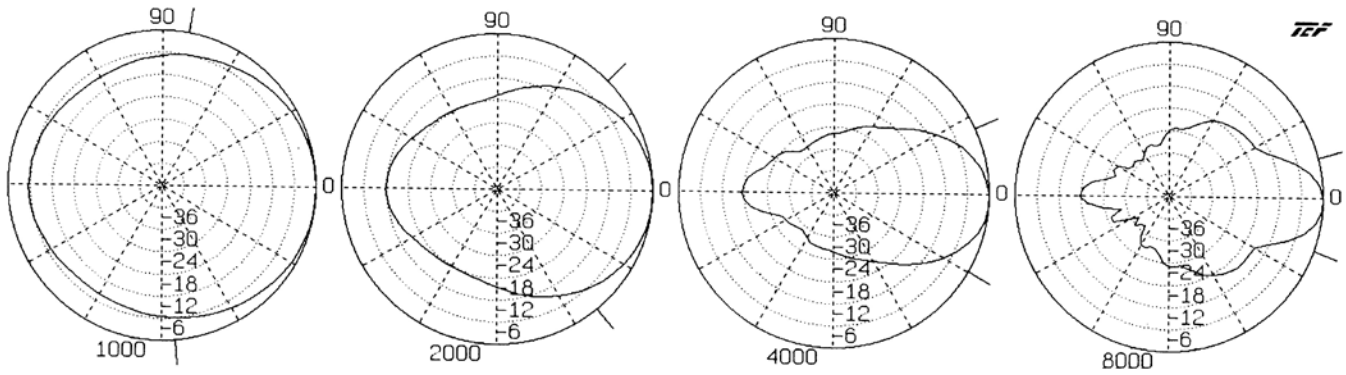
Reflex projector Model CJ-46 is for directional sound and signalling distribution where wide-angle dispersion and maximum audibility are required. Combine this weatherproof unit with a 1¾" - 18 male threaded compression driver for use at various indoor/outdoor events where crowds gather in large areas. Model CJ-46 offers positioning flexibility for horizontal, vertical or stacked clusters enhancing its usage as a sound system component at various outdoor activities including political rallies and sporting events. The wide-angle sound projector is also ideal for use with community warning systems and for installation in manufacturing facilities, warehouses, transportation terminals, and recreational buildings.

### MODEL CJ-46 with PD60A

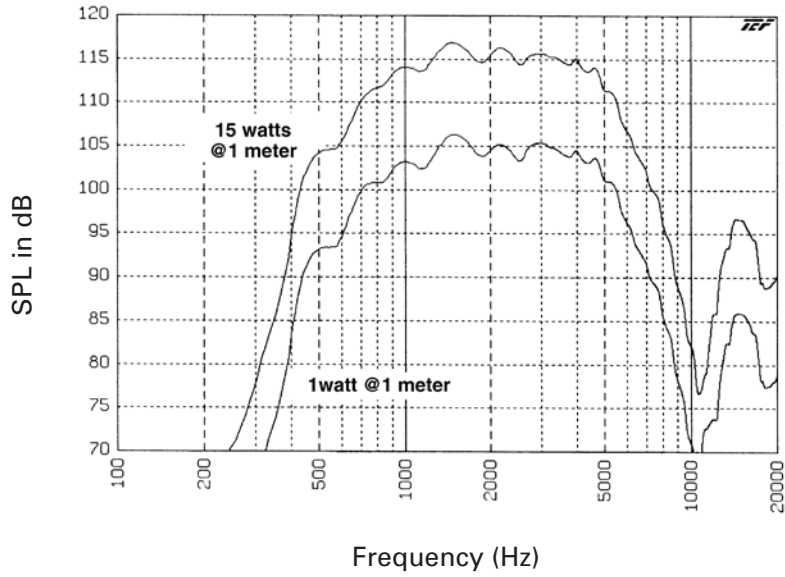
Frequency	Q	Di	Beamwidth	
			Horizontal	Vertical
500	6	8	85	125
1000	12	11	70	80
2000	20	13	65	45
4000	33	15	55	30

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### CJ-46 (Normalized to Zero on Axis) (-6dB)



### CJ-46 Frequency Response



## CJ-46 Impedance

