

SPECIFICATIONS (See notes 1 - 3)

Driver Type: 4 inch / 102 mm exit, mid-range
Operating Range: 200 Hz - 4 kHz (with equalization)
200 Hz - 2 kHz (+/-3.5dB)

Max Input Ratings:
200W continuous, 500W Program
40 volts RMS, 89 volts momentary peak
Recommended Power Amplifier:
420W to 600W @ 8 Ohms

Sensitivity 1W/1m:
114 dB SPL (200 Hz - 2 kHz 1/3 octave bands)

Maximum Output:
137 dB SPL / 144 dB SPL (peak)

Nominal Impedance: 8 Ohms
Min Impedance: 7.6 Ohms @ 1.2 kHz
Compression Ratio: 5:1

Lowest / Highest Crossover Frequencies:
200 Hz / 4 kHz

Optimum Crossover Frequencies:
250 Hz / 1.8 kHz

Recommended LF Protection Capacitor: *
160 mfd non-polar (for 250 Hz crossover)

Diaphragm:
Diameter: 6.5 in. / 165 mm
Material: Carbon fiber composite

Voice Coil:
Diameter: 4.5 in. / 114 mm
Material: Copper-clad aluminum edgewound wire

Input Connection:
2 foot (0.6m) SJOW #16 gauge cable

Bolt Pattern:
(6) 5/16 in. holes on 12 in. / 305 mm bolt circle

Required Accessories:
Electronic crossover

Supplied Accessories:
(6) Washer / lockwasher / nut sets

Recommended Community Horns:
PC1594M - 90 x 40 large format midrange or voice only horn
PC1564M - 60 x 40 large format midrange or voice only horn
PC1542M - 40 x 20 large format midrange or voice only horn
SH1894 - 90 x 40 medium format midrange horn
SH2064 - 60 x 40 medium format midrange horn
CF2064 - A 90 degree throat SH2064 for up-angle mounting

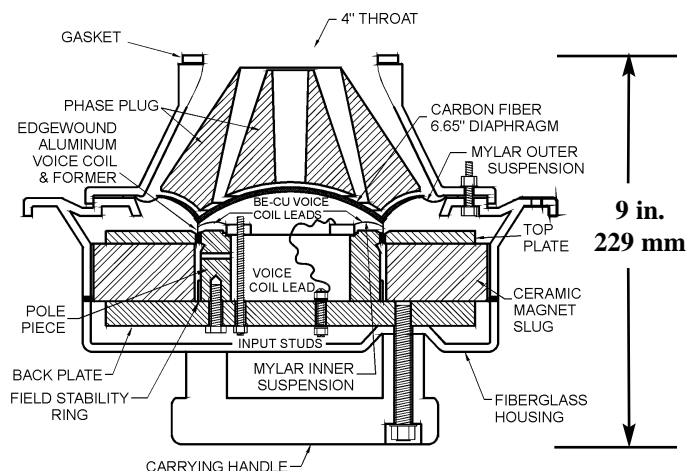
Dimensions (with handle):
Depth: 9 in. / 229 mm
Diameter: 12.5 in. / 318 mm

Weight: 41 lb. / 18.6 kg
Shipping Weight: 50 lb. / 22.7 kg

1. Sensitivity: Free field pink noise measurement at 40 ft / 12.2 m at 50% power; extrapolated to 1 meter and an input of 2.83 volts RMS.
2. Watts: All wattage figures are calculated using the rated nominal impedance.

3. Data: All performance data measured on a PC1594M 90 x 40 horn with PCMX extension.

* Capacitor is only for protection against DC voltage or catastrophic amplifier failure and not to be used as a crossover.



APPLICATIONS:

- Concerts
- Large Public Gatherings
- Stadia and Arena Systems
- Race Track Announcement
- Houses of Worship

FEATURES:

- 4 In (102 Mm) Throat Exit
- Low Distortion, High Efficiency Midrange Output
- Strong, Weather Resistant, Fiberglass Exterior
- Long Distance Projection Capability

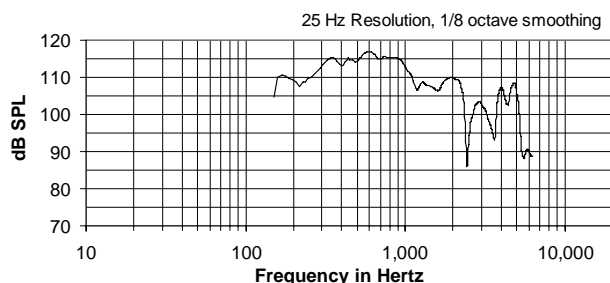
DESCRIPTION

The M4 Midrange Compression Driver is a very high output, high sensitivity driver for systems requiring powerful midrange capabilities. This includes component two, three and four-way full range high fidelity music systems as well as one-way, voice-only high output announcement systems. The M4 is matched with Community's PC1500M Series long throw Pattern Control fiberglass horns and the SH1894 and SH2064 short throw exponential horns. The M4 has a fiberglass exterior and is weather resistant.

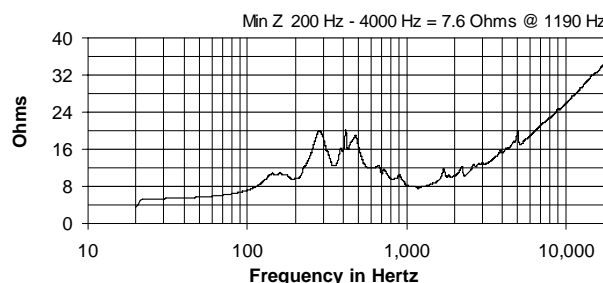
The M4's diaphragm is a composite structure of carbon fiber skins over a rigid, thermo-formed foam core. This results in an extremely stiff yet low mass piston. This construction is largely responsible for the M4's low distortion even at very high output sound pressure levels.

Community drivers incorporate large area, low compression phase plug loading and large magnet structures for extremely low distortion at high outputs while maintaining high efficiency and low power compression. There is a two year warranty.

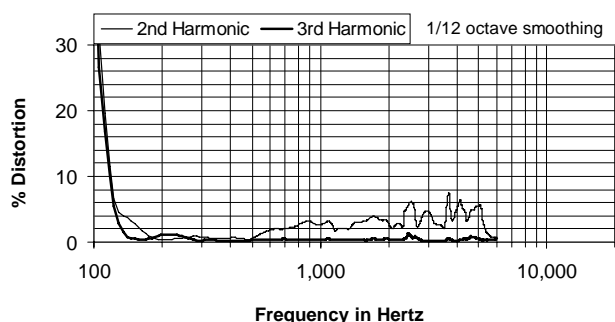
FREQUENCY RESPONSE



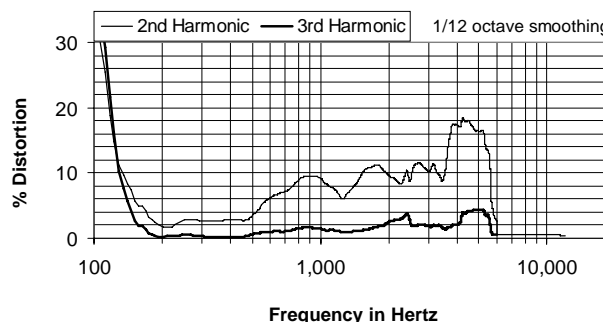
IMPEDANCE



HARMONIC DISTORTION (10% POWER)

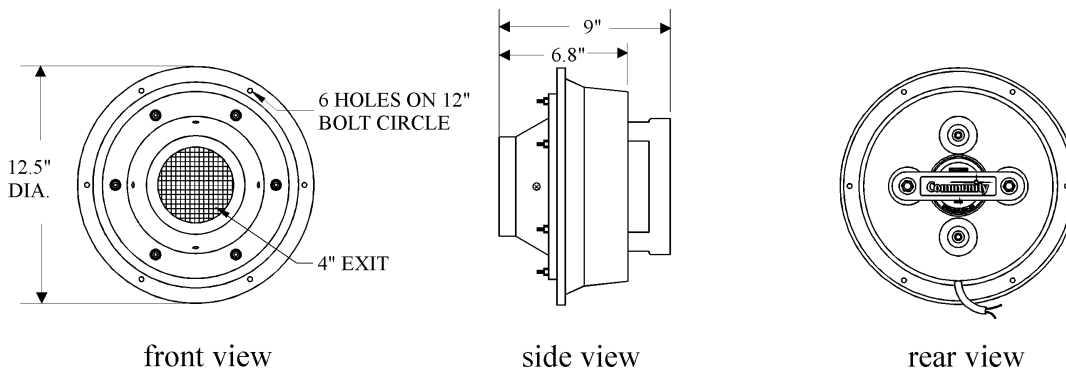


HARMONIC DISTORTION (100% POWER)



DIMENSIONS

Note: all graphs measured on PC1594M horn with PCMX extension.



ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The driver shall be a 4 in. (102 mm) exit compression type, specifically designed for extremely high output midrange response. On a PC1594M horn the driver shall have an amplitude response of 200 Hz - 2 kHz (+/- 3.5 dB), input capability of 40V RMS, 114 dB sensitivity at 1 meter / 2.83V, and a nominal impedance of 8 Ohms. The driver shall incorporate a large magnet structure, a one-piece composite carbon fiber diaphragm and a copper-clad aluminum edgewound voice coil. The compression ratio shall be 5 to 1. The diaphragm assembly shall be field replaceable. The driver shall be 12.5 in. (318 mm) diameter, 9 in. (229 mm) deep with handle, and weigh 41 lb. (18.6 kg).