

COMMUNITY COMPONENT HORNS AND DRIVERS

Community has a tradition of designing and manufacturing the most innovative and unique system components. Today, Community's component products span a wide spectrum of devices. This allows the assembly of completely horn loaded, full-range systems offering the finest solutions for even the most difficult installations.

MID/HIGH FREQUENCY HORNS

- Precision molding provides predictable pattern control.
- One piece, hand-laminated fiberglass with integral throats and driver flanges.
- Balsa wood embedded at critical points creates extremely strong double-wall construction.
- Flat-front designs and optional mounting accessories for easier installations.
- All horns are fully weather-resistant, non-resonant, and highly durable.

BASS HORNS

- Pattern control that mates with mid/high frequency horns in 400 - 800 Hz crossover region.
- Low frequency directivity to below 100 Hz.
- Full horn loading provides superior efficiency and transient response.
- Stacking improves vertical directivity.

COMPRESSION DRIVERS

- Capability for truly pistonic operation from 200 Hz to 18 kHz.
- Sophisticated carbon fiber and mylar diaphragms inherently free of cone breakup and ring modes.
- Long excursion mylar suspensions with superior flexural and tensile strength.
- Low compression designs avoid distortion from air non-linearities at high power.
- Large magnet structures exhibit high efficiency and better cooling.
- Designed with high mechanical and thermal limits.



SPECIFICATIONS

COMPRESSION DRIVERS

MODEL	EXIT	DIAPHRAGM	FREQUENCY RESPONSE	1W/1m SENS (on 90x40 Horn)	IMPEDANCE (Ohms)	POWER (RMS/PGM)	# x BOLTS - CIRCLE DIA	DIMENSIONS (H x Dia in)	WEIGHT (lb./kg)
M4	4"	Carbon Fiber	200 -2k Hz	114 dB	8	200/500	6 x 1/4"-12"	9 x 13	41/19
EM280	2.8"	Carbon Fiber	300 -8k Hz	112 dB	8	160/400	4 x 1/4"-5.75"	4 x 7	13/6
EM282	2.8"	Carbon Fiber	1k -12k Hz	112 dB	8	160/400	4 x 1/4"-5.75"	4 x 7	13/6
M200	2"	Mylar	400 -4k Hz	110 dB	8	75/200	4 x 1/4"-4"	2 x 6	8/4
VHF100	1"	Mylar	1.8k -18k Hz	111 dB	8	20/50	2 x 1/4"-3"	2 x 6	6/3

MID / HIGH HORNS

MODEL	THROAT	DRIVERS ¹	LF LIMIT ²	DISPERSION (H x V)	DRIVER MTG HOLES (# x Hole dia - Circle)	DIMENSION S	WEIGHT (lb./kg)	MOUNTING ACCESSORIES
PC1594M	4"	M4	200 Hz	90 x 40	6 x 5/16" - 12"	29 x 29 x 35	46/21	M4YOKE
PC1564M	4"	M4	180 Hz	60 x 40	6 x 5/16" - 12"	29 x 29 x 35	46/21	M4YOKE
PC1542M	4"	M4	150 Hz	40 x 20	6 x 5/16" - 12"	29 x 29 x 50	61/28	M4YOKE
PCMX (Horn Extension for PC1500s)				---	---	44 x 44 x 7	38/18	---
PC194	2.8"	EM280	300 Hz	90 x 40	4 x 5/16" - 5.75"	28 x 34 x 34	34/16	M280RC
PC164	2.8"	EM280	260 Hz	60 x 40	4 x 5/16" - 5.75"	28 x 34 x 34	34/16	M280RC
PC142	2.8"	EM280	200 Hz	40 x 20	4 x 5/16" - 5.75"	28 x 34 x 46	47/22	M280RC
PC294	2"	M200	400 Hz	90 x 40	4 x 5/16" - 4"	23 x 29 x 26	22/10	2BKT,M200RC
PC264	2"	M200	350 Hz	60 x 40	4 x 5/16" - 4"	23 x 29 x 26	22/10	2BKT,M200RC
PC242	2"	M200	300 Hz	40 x 20	4 x 5/16" - 4"	23 x 20 x 43	27/13	2BKT,M200RC
PC394 ³	2.8"	EM282	600 Hz	90 x 40	4 x 5/16" - 5.75"	12 x 16 x 13	8/4	M280RC ³
PC364 ³	2.8"	EM282	550 Hz	60 x 40	4 x 5/16" - 5.75"	12 x 16 x 13	8/4	M280RC ³
PC342 ³	2.8"	EM282	500 Hz	40 x 20	4 x 5/16" - 5.75"	12 x 16 x 20	9/5	M280RC ³
PC494	2"	M200	600 Hz	90 x 40	4 x 5/16" - 4"	12 x 15 x 10	4/2	2BKT,M200RC,M4COAXBKT
PC464	2"	M200	550 Hz	60 x 40	4 x 5/16" - 4"	12 x 15 x 10	4/2	2BKT,M200RC,M4COAXBKT
PC442	2"	M200	450 Hz	40 x 20	4 x 5/16" - 4"	12 x 15 x 19	5/3	2BKT,M200RC,M4COAXBKT
PC694	1"	VHF100	750 Hz	90 x 40	2 x 5/16" - 3"	9 x 15 x 9	4/2	CPLATE
PC664	1"	VHF100	660 Hz	60 x 40	2 x 5/16" - 3"	9 x 15 x 11	4/2	CPLATE
PC642	1"	VHF100	550 Hz	40 x 20	2 x 5/16" - 3"	9 x 15 x 16	5/3	CPLATE
SH1894	4"	M4	300 Hz	90 x 40	6 x 5/16" - 12"	14 x 24 x 21	18/9	2BKT
CF2064 ⁴	4"	M4	300 Hz	60 x 40	6 x 5/16" - 12"	21 x 24 x 25	22/10	---
SH2064	4"	M4	300 Hz	60 x 40	6 x 5/16" - 12"	21 x 24 x 19	21/10	2BKT
SH494	2"	M200	400 Hz	60 x 40	4 x 5/16" - 4"	17 x 23 x 12	8/4	2BKT,M200RC
SH864	2"	M200	450 Hz	60 x 40	4 x 5/16" - 4"	9 x 24 x 15	10/5	2BKT,M200RC

1 Driver not included. Matching Community drivers are listed however any driver with a matching exit can be used.

2 LF limit is lowest frequency where horns provide acoustic loading for drivers. The HF limit is determined primarily by the driver capability.

3 Requires PC394F / PC364F / PC342F horns with full flange to use M280RC rain cover. PC300F cannot be used with M4COAXBKT.

4 CF2064 is the same as SH2064 but with throat bent 90 degrees.

BASS HORNS

MODEL ¹	INCLUDED DRIVERS	FREQUENCY RESPONSE	DISPERSION (H x V)	1W SENS (@ 1m)	IMPEDANCE (Ohms)	POWER (RMS/PGM)	DIMENSIONS (H x W x D in)	WEIGHT (lb./kg)
CB594	15"	55-1k Hz	60 x 30 ²	104 dB	8	200/500	43 x 53 x 68	130/59
VB764 ¹	2 x 15"	40-1k Hz	60 x 40 ³	108 dB	4	400/800	40 x 25 x 24	135/62

1 Also available: CB594FO - horn without driver (for 15" or 18"); VB764FE - weather-resistant fiberglass exterior; VB764O - fiberglass flare without drivers or enclosure.

2 At 800 Hz. Widens smoothly to 75 x 55 degrees at 250 Hz.

3 At 800 Hz. Widens smoothly to 100 x 70 degrees at 250 Hz. Vertical narrows when stacked in multiples.

ACCESSORIES

MODEL	FUNCTION	DESCRIPTION
2BKT	Horn Bracket	Steel rear mounting bracket for 2" PC and SH horns. Provides a yoke-type swivel mounting.
CPLATE	Adapter Plate	Plate to adapt 2 bolt mounting on PC600 horns to 1" exit drivers with 3 bolt mounting.
M200RC	Rear Cover	Fiberglass, weather-resistant SH494 rear cover for M200 driver. Also holds TRC60 transformer.
M280RC	Rear Cover	Fiberglass, weather-resistant PC100 and PC300F rear cover for EM280 or EM282 drivers.
M4COAXBKT	HF Horn Mount	Coaxially mounts a PC300 or PC400 horn to a PC1500 horn. PC300 requires PC300BKT.
M4YOKE	Mounting Bracket	2 mounting "arms" for PC1500 Series. Clamps to throats. Add'l support required for horn mouth.
PC300BKT	Adapter	Adapter kit for mounting a PC300 horn to the M4COAXBKT. Cannot be used with PC300F horns.
TRC60	70V Transformer	70V to 8 ohm transformer with taps at 7.5W, 15W, 30W and 60W.

Mounting brackets and kits include all hardware for attachment to the product. Hardware for attaching the brackets or kits to frames, structure, or rigging must be supplied by the installer. Steel parts are zinc coated and painted black or are made of stainless steel.

COMMUNITY PROFESSIONAL LOUDSPEAKERS

333 East 5th Street, Chester, PA 19013-4511 Phone: (800) 523-4934 (610) 876-3400 Fax: (610) 874-0190

www.community.chester.pa.us