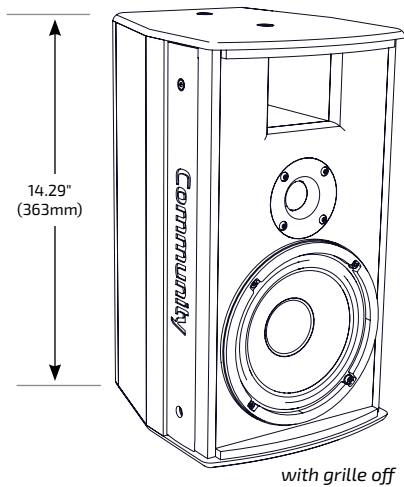


**I SERIES**  
 Compact 600

# IC6-1062/00

 HIGH OUTPUT 6.5-INCH TWO-WAY  
 INSTALLATION LOUDSPEAKER

**APPLICATIONS**
**MAIN PA or DISTRIBUTED**

 Restaurants · Presentation Suites · Auditoriums  
 Retail Spaces · Smaller Houses of Worship · Stadiums  
 Theme Parks · Cruise Ships · Entrance Halls

**FILL or DELAY**

 Houses of Worship · Auditoriums · Arenas · Stadiums  
 Theaters · Themed Entertainment · Under Balcony  
 Stage Lip Fill

**DESCRIPTION**

I SERIES Compact 600 loudspeakers provide excellent acoustic performance, flexibility and elegant aesthetics for a diverse range of applications in today's performance venues. Designed to support the goals of systems integrators and consultants in need of very compact loudspeakers with exceptional near field fidelity for foreground or background music applications and articulate voice projection with very high output capabilities for fill and distributed applications. I SERIES Compact loudspeakers are engineered to be used alone or integrated into arrays along with I SERIES Point Source (IP) or Subwoofer (IS) models using the comprehensive selection of available BalancePoint™ Flyware modular array brackets.

The IC6-1062/00 occupies a very small footprint, yet provides LF extension and output that greatly exceeds its stature thanks to a high sensitivity, long excursion 6.5" woofer and precisely engineered extended bass reflex port. Smooth, extended high frequency is provided by a direct radiating 1" damped fabric dome diaphragm on a shallow horn with a Ferrofluid and heatsink-cooled dual neodymium motor. To ensure a long life and maintenance-free performance in nearly all conditions, the HF is also protected by Community's DYNA-TECH™ dual-stage protection circuit. Additionally, 8 ohm or 70V/100V models expand application flexibility both indoors and out.

**FEATURES**

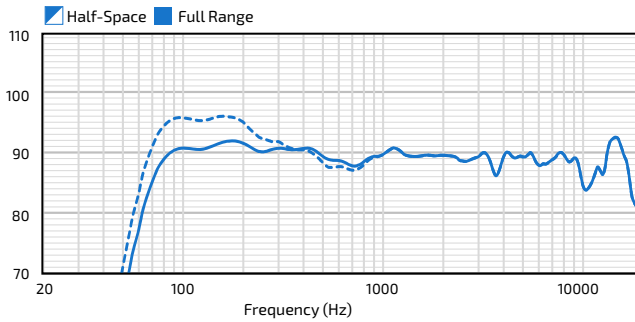
- Excellent LF extension and output in a very small enclosure
- Exceptional fidelity with elegant I SERIES aesthetics
- Very wide coverage pattern
- Low impedance (8 ohm) or 70V/100V models available
- Low profile U-Bracket mounting option, compatible with most third party wall and ceiling brackets.

**TECHNICAL SPECIFICATIONS<sup>1</sup>**

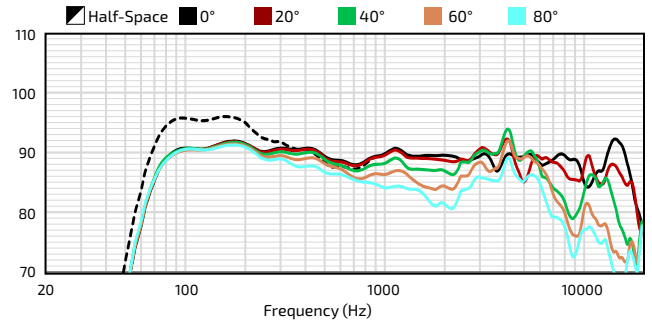
<b>Operating Mode</b>	Low Impedance or 70V/100V models				
<b>Operating Environment</b>	Indoor or Weather-Resistant Outdoor				
<b>Operating Range<sup>2</sup></b>	56 Hz to 18.5 kHz				
<b>Nominal Beamwidth (H x V)</b>	100° x 100°				
<b>Transducers</b>	LF 1 x 6.5" (165mm) ferrite driver, 1.5" (37mm) voice coil HF 1 x 1" (25mm) direct radiating damped fabric dome diaphragm, ferrofluid and heatsink-cooled dual-neodymium motor				
<b>Continuous Power Handling<sup>3</sup> @ Nominal Impedance</b>	Passive*	35V	150W @ 8 ohms (600W peak)		
<b>Autoformer Taps/Impedance</b> IC6-1062T00   IC6-1062WT00	70V 100W 50W 25W 12.5W	@ 70.7V 50 Ω 100 Ω 200 Ω 400 Ω	100V 100W 50W 25W	@ 100V 100 Ω 200 Ω 400 Ω	
<b>Nominal Sensitivity<sup>4</sup></b>	@ 1W/1m 92 dB	@ 2.83V 92 dB			
<b>Nominal Maximum SPL<sup>5</sup> (Whole Space)</b>	Peak 120 dB	Continuous 114 dB			
<b>Equalized Sensitivity<sup>6</sup></b>	@ 1W/1m 91 dB	@ 2.83V 91 dB			
<b>Equalized Maximum SPL<sup>7</sup></b>	Peak 119 dB	Continuous 113 dB			
<b>Recommended Amplifiers</b>	150W - 300W @ 8 ohms, (35V - 49V)				
<b>PHYSICAL</b>					
<b>Input Connection</b>	(1) Screw terminal block (5-position)				
<b>Mounting Points</b>	(9) M6 threaded rigging points				
<b>Environmental</b>	Outdoor: IP55W per IEC 60529, MIL-STD-810G				
<b>Weight</b>	Indoor IC6-1062/00   IC6-1062WR00 IC6-1062T00   IC6-1062WT00 20.0 lbs (9.1 kg) loudspeaker		Weather-Resistant 12.6 lbs (5.7 kg) loudspeaker 16.6 lbs (7.5 kg) loudspeaker		
<b>Dimensions H x W x D</b>	14.29" x 8.00" x 8.94" (363 x 203 x 227 mm)				
<b>Finish</b>	Refer to the Technical Drawing				
<b>OPTIONS</b>					
<b>Accessory</b>	IUB-1062 U-Bracket - color matched to enclosure Various third party wall, ceiling and pan/tilt mounts (refer to IC6 IUB/IVY manual for models)				
<b>Configure-to-Order (CTO)</b>	Custom color; custom cable length for weather-resistant models				

<sup>1</sup>Rated continuous maximum input voltage at passive loudspeaker input may be higher than for directly connected transducers due to losses in the passive crossover. Voltages applied to the transducer terminals through the passive crossover shall always be the same or lower than the rated continuous voltage for each device.

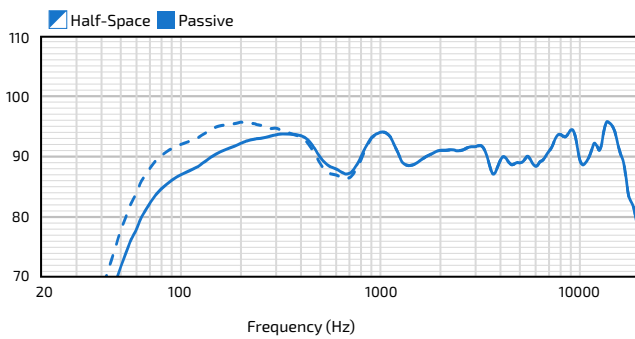
### AXIAL PROCESSED RESPONSE (dB)<sup>8</sup>



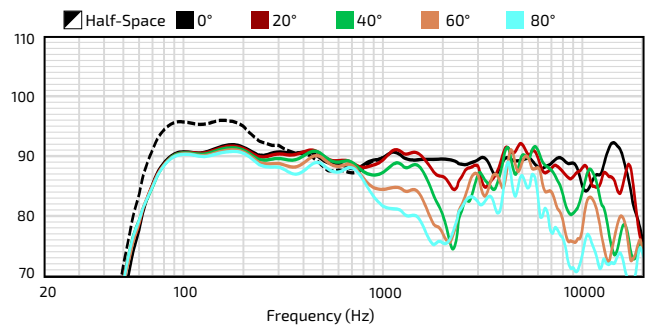
### HORIZONTAL OFF-AXIS RESPONSE (dB)<sup>10</sup>



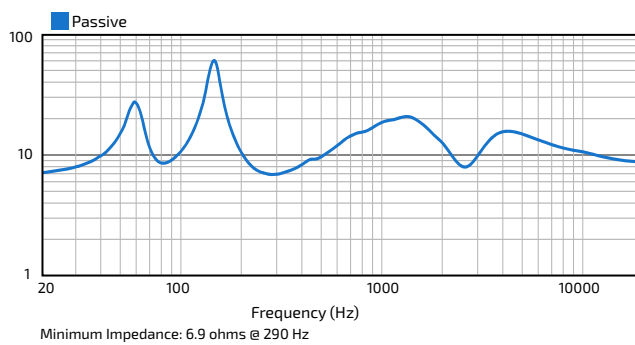
### AXIAL SENSITIVITY (dB SPL)<sup>9</sup>



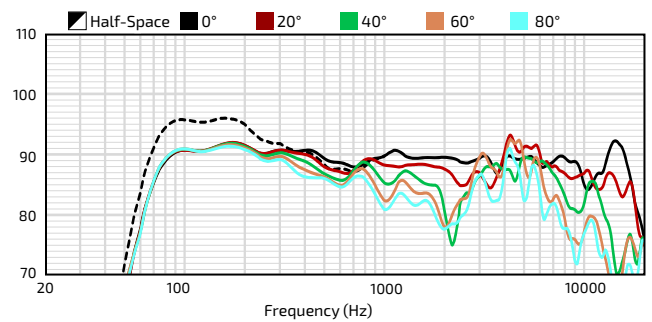
### VERTICAL OFF-AXIS UP RESPONSE (dB)<sup>10</sup>



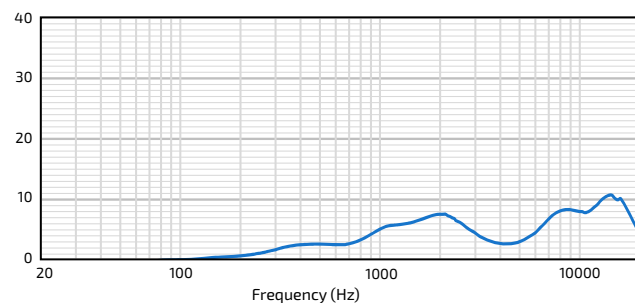
### IMPEDANCE (Ohms)



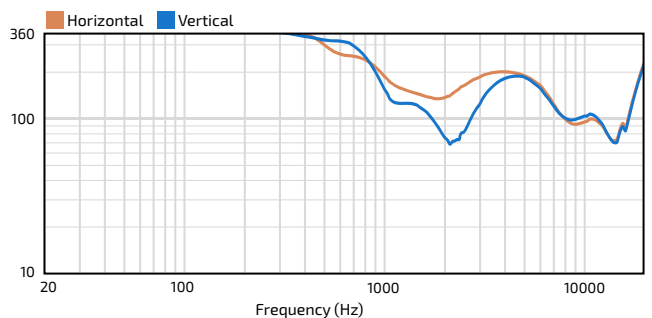
### VERTICAL OFF-AXIS DOWN RESPONSE (dB)<sup>10</sup>



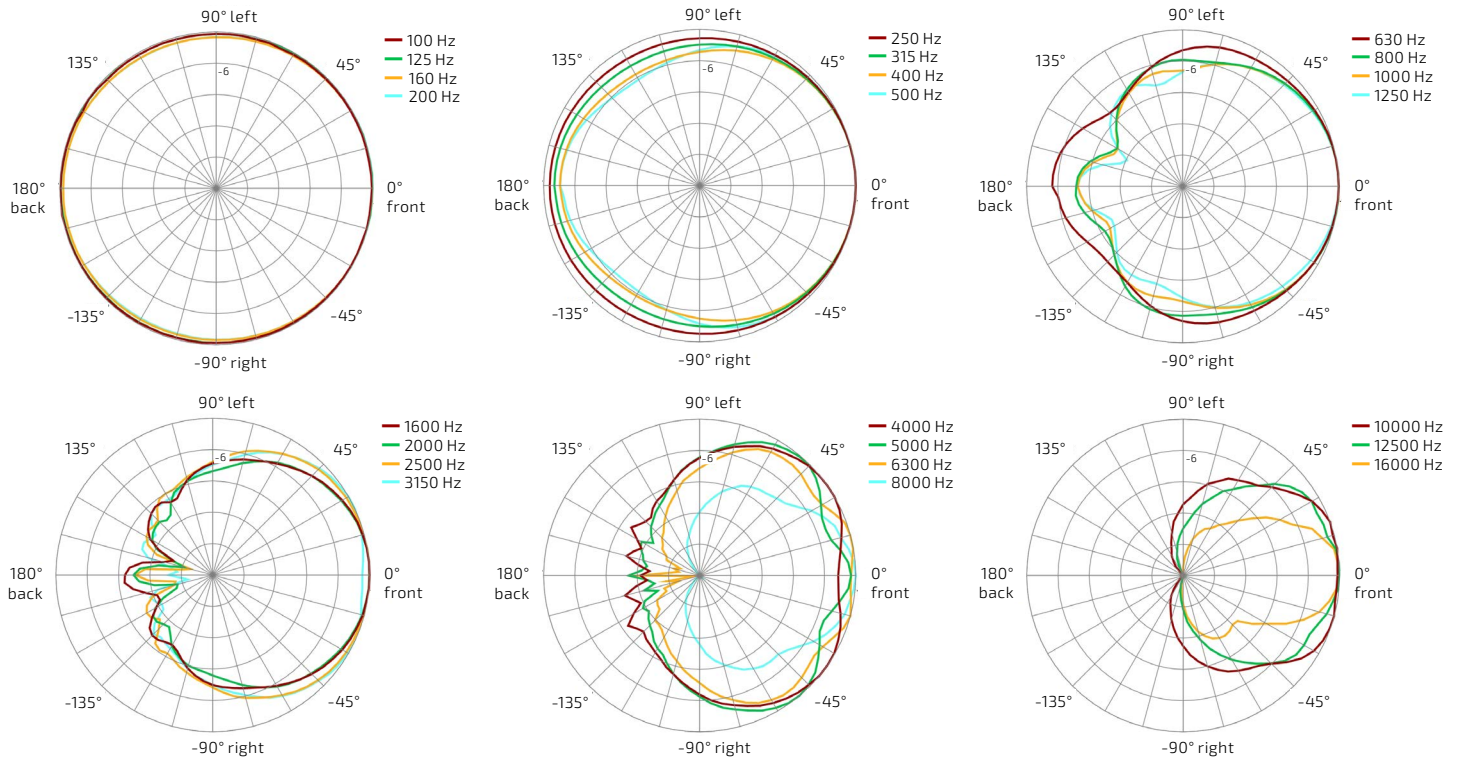
### DIRECTIVITY INDEX (dB)<sup>11</sup>



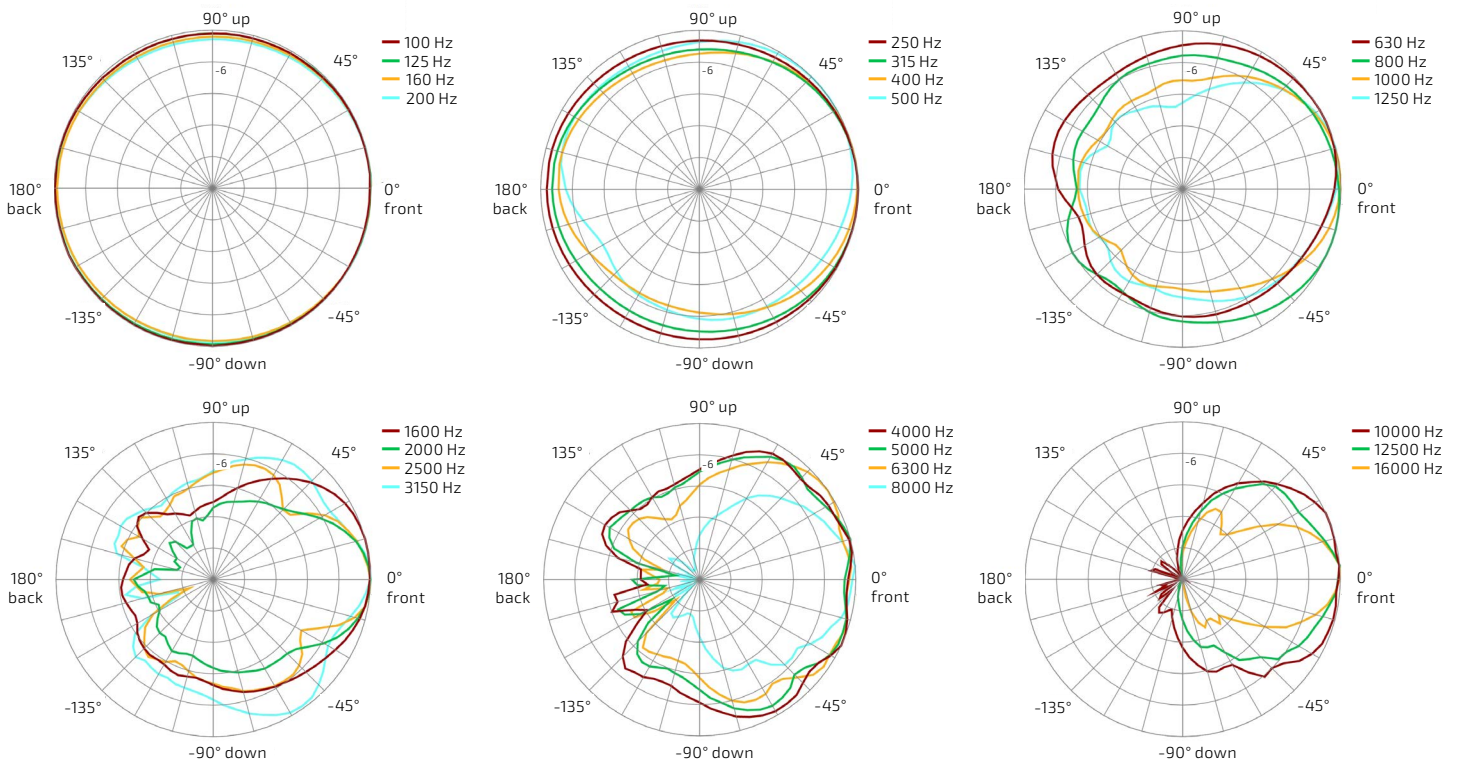
### BEAMWIDTH (Degrees)<sup>12</sup>



## HORIZONTAL POLAR DATA



## VERTICAL POLAR DATA



# IC6-1062/00

HIGH OUTPUT 6.5-INCH TWO-WAY  
INSTALLATION LOUDSPEAKER

## TECHNICAL DRAWING / DIMENSIONS / FINISH

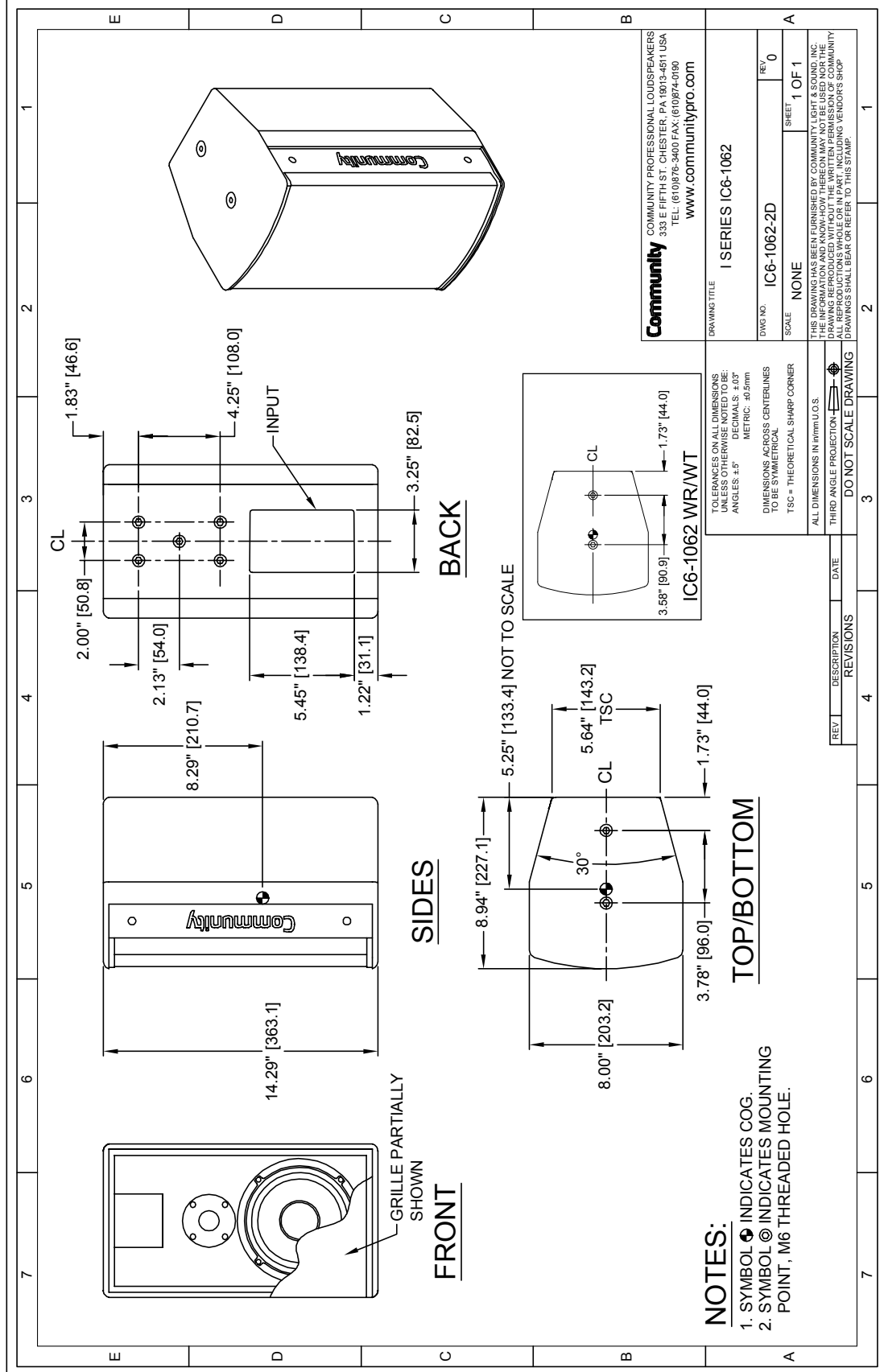
**H x W x D**  
14.29" x 8.00" x 8.94"  
(363 x 203 x 227 mm)

**Unit Weight**  
16 lbs (7.3 kg) IC6-1062/00 loudspeaker  
20 lbs (9.1 kg) IC6-1062T00 loudspeaker

**Shipping Weight**  
20 lbs (8.9 kg) IC6-1062/00 loudspeaker  
24 lbs (10.7 kg) IC6-1062T00 loudspeaker

**Indoor Models:**  
**Grille:** Powder-coated perforated steel backed with color-matched acoustically transparent woven fabric. Black (RAL #9005) or White (RAL#9003)  
**Enclosure / Finish:** Black (RAL#9005) or White (RAL#9003) low gloss, uniformly textured painted 15mm Baltic Birch plywood.

**Outdoor Models:**  
**Grille:** Marine grade aluminum with zinc-rich dual-layer powder-coat, featuring hydrophobic treatment on acoustically transparent woven black fabric backing.  
**Enclosure / Finish:** 15mm PolyGlas™, Grey (RAL#7038), heavily textured industrial-grade exterior-rated coating.



**NOTES:**

- 1. SYMBOL Ⓞ INDICATES COG.
- 2. SYMBOL ⊕ INDICATES MOUNTING POINT, M6 THREADED HOLE.

<b>Community</b> COMMUNITY PROFESSIONAL LOUDSPEAKERS 339 E FIFTH ST. CHESTER, PA 19013-4511 USA TEL: (610)876-3400 FAX: (610)874-0190 www.communitypro.com	
DRAWING TITLE	I SERIES IC6-1062
DWG NO.	IC6-1062-2D
SCALE	NONE
REV	0
SHEET	1 OF 1
THIS DRAWING HAS BEEN FURNISHED BY COMMUNITY LIGHT & SOUND, INC. THE INFORMATION AND KNOW-HOW THEREON MAY NOT BE USED NOR THE DRAWING REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF COMMUNITY LIGHT & SOUND, INC. DRAWINGS SHALL BEAR OR REFER TO THIS STAMP.	

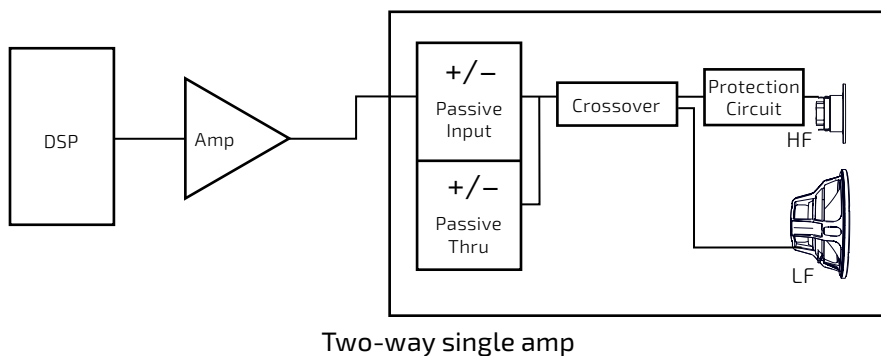
**\*Note:** The transformer and outdoor model drawings are available at communitypro.com. Side mounting point is different in WR/WT models (See inset box). On the WR/WT models the input connection differs and the units weigh less than their respective indoor models.

## I SERIES Compact 600

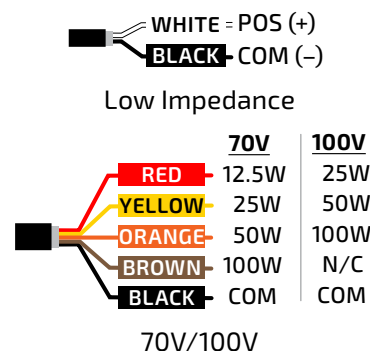
# IC6-1062/00

HIGH OUTPUT 6.5-INCH TWO-WAY  
INSTALLATION LOUDSPEAKER

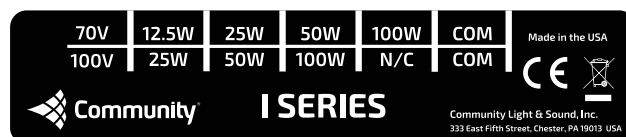
### CONNECTION DIAGRAMS



### WEATHER-RESISTANT INPUT CABLE



Low Impedance Input Panel (Indoor)



70V / 100V Input Panel (Indoor)

### NOTES

- PERFORMANCE SPECIFICATIONS** All measurements are taken indoors using a time-windowed and processed signal to eliminate room effects, approximating an anechoic environment, a distance of 6.0 m. All acoustic specifications are rounded to the nearest whole number. An external DSP with settings provided by Community Professional Loudspeakers is required to achieve the specified performance; further performance gains can be realized using Community's dSPEC226 loudspeaker processor with FIR power response optimization.
- OPERATING RANGE** The frequency range in which the on-axis processed response remains within 10dB of the average SPL.
- CONTINUOUS POWER HANDLING** Maximum continuous input voltage (and the equivalent power rating, in watts, at the stated nominal impedance) that the system can withstand, without damage, for a period of 2 hours using an EIA-426-B defined spectrum; with recommended signal processing and protection filters.
- NOMINAL SENSITIVITY** Averaged SPL over the operating range with an input voltage that would produce 1 Watt at the nominal impedance and the averaged SPL over the operating range with a fixed input voltage of 2.83V, respectively; swept sine wave axial measurements with no external processing applied in whole space, except where indicated.
- NOMINAL MAXIMUM SPL** Calculated based on nominal / peak power handling, respectively, and nominal sensitivity; exclusive of power compression.
- EQUALIZED SENSITIVITY** The respective SPL levels produced when an EIA-426-B signal is applied to the equalized loudspeaker system at a level which produces a total power of 1 Watt, in sum, to the loudspeaker subsections and also at a level which produces a total voltage, in sum, of 2.83V to the loudspeaker subsections, respectively; each referenced to a distance of 1 meter.
- EQUALIZED MAXIMUM SPL** The SPL produced when an EIA-426-B signal is applied to the equalized loudspeaker system, at a level which drives at least one subsection to its rated continuous input voltage limit, referenced to a distance of 1 meter. The peak SPL represents the 2:1 (6dB) crest factor of the EIA-426-B test signal.
- AXIAL PROCESSED RESPONSE** The on-axis variation in acoustic output level with frequency of the complete loudspeaker system with recommended signal processing applied. 1/6 octave Gaussian smoothing applied.
- AXIAL SENSITIVITY** The on-axis variation in acoustic output level with frequency for a 1 Watt swept sine wave, referenced to 1 meter with no signal processing. 1/6 octave Gaussian smoothing applied.
- HORIZONTAL / VERTICAL OFF-AXIS RESPONSES** The loudspeaker's magnitude response at various angles off-axis, with recommended signal processing applied in the operating mode which utilizes the largest number of individually amplified pass bands. 1/6 octave Gaussian smoothing applied.
- DIRECTIVITY INDEX** The ratio of the on-axis SPL squared to the mean squared SPL at the same distance for all points within the measurement sphere for each given frequency; expressed in dB. 1/6 octave Gaussian smoothing applied.
- BEAMWIDTH** The angle between the -6dB points in the polar response of the loudspeaker when driven in the operating mode which utilizes the largest number of individually amplified pass bands. 1/6 octave Gaussian smoothing applied.

Data presented on this spec sheet represents a selection of the basic performance specifications for the IC6-1062. These specifications are intended to allow the user to perform a fair, straightforward evaluation and comparison with other loudspeaker spec sheets. For a detailed analysis of this loudspeaker's performance, please download the GLL file and/or the CLF file from our website: [communitypro.com](http://communitypro.com)

