DESCRIPTION

The Community WET920 loudspeaker is a high output, high sensitivity, horn-loaded, three-way, weather-resistant full-range loudspeaker system with an integral one-piece fiberglass enclosure and baffle of Wavefront Coherent™ design. It provides high intelligibility voice projection and musical reinforcement in a very compact package. Engineered for use in permanent installations, the loudspeaker enclosure is constructed of reinforced fiberglass composites with four integral 1/2 x 13” threaded mounting points. All drivers are Ferrofluid cooled and are protected by Community’s exclusive three-layer, stainless steel, Weather-Stop™ Grille.

Five year limited warranty.

APPLICATIONS:

- Arenas / Sports Venues
- Theme Parks / Water Parks
- Outdoor Entertainment
- Cruise Ships / Swimming Pools

SPECIFICATIONS (See notes 1 and 2)

Loudspeaker Type: 3-way, weather-resistant, full-range

Operating Range: 95 Hz - 18 kHz, 120 Hz - 18 kHz (+/-3dB)

Max Input (Passive):
- 200W continuous, 500W program
- 40 volts RMS, 89 volts momentary peak
- Recommended Power Amp: 420W to 600W @ 8 Ohms

Sensitivity 1W/1m:
- 107 dB SPL (100 Hz - 16 kHz 1/3 octave bands)
- 108 dB SPL (250 Hz - 4 kHz speech range)

Maximum Output:
- 130 dB SPL / 137 dB SPL (peak)

Nominal Impedance (passive): 8 Ohms

Min Impedance: 5.5 Ohms @ 600 Hz

Nominal Impedances: 8 Ohms

Nominal -6dB Beamwidth:
- 65° H (+16° / -19°, 1 kHz - 16 kHz)
- 50° V (+43° / -18°, 1 kHz - 16 kHz)

Axial Q / DI: 20.8 / 13.2, 1 kHz - 16 kHz

Crossover Frequencies: 800 Hz / 3 kHz

Recommended Signal Processing:
- 80 Hz high pass filter

Drivers (Ferrofluid-cooled):
- LF (2) 8” dual-spider
- MF (1) M200 2”, non-metallic diaphragm
- HF (1) VHF100 1” exit, non-metallic diaphragm

Driver Protection: PowerSense™ DDP

Input Connection: 12 foot (3.7m) SJOW #16 gauge

Enclosure: Hand-laminated fiberglass, black gelcoat

Enclosure Hardware:
- (4 ea.) stainless steel lock & flat washers, rubber washers

Mounting / Rigging Provisions:
- (4) 1/2-13 rigging points

Grille: Stainless steel

Optional Accessories: SSY25 stainless steel mounting yoke

Supplied Accessories:
- (4) 1/2-13 x 1” stainless steel bolts

Dimensions:
- Height: 26 in. / 660 mm
- Width (front): 13.75 in. / 349 mm
- Depth: 14.5 in. / 368 mm

Weight: 70 lb. / 31.8 kg

Shipping Weight: 87 lb. / 39.5 kg

1. Sensitivity: Free field pink noise measurement at 20 ft / 6.1 m at 25% 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.
### Frequency Response

- Resolution <500 Hz = 10 Hz, >500 Hz = 40 Hz, 1/8 octave smoothing

### Impedance

- Min Z 95 Hz - 18000 Hz = 5.5 Ohms @ 598 Hz

### Beamwidth

- Horizontal
- Vertical

### Axial Q

- Frequency in Hertz

### Dimensions

- 26" (660 mm) H x 13 3/4" (349 mm) W x 14.5 in. (368 mm) D and weigh 70 lbs. (31.9 kg).

### Architects and Engineers Specifications

The loudspeaker system shall be a horn-loaded, three-way, full-range curvilinear weather-resistant design with two 8 in. dual-spider Ferrofluid-cooled woofers, one 2 in. exit Ferrofluid-cooled midrange compression driver with a non-metallic diaphragm and one 1 in. exit HF driver with a non-metallic diaphragm mounted on a fiberglass waveguide. Drivers shall be connected to an integral crossover with crossover frequencies of 800 Hz and 3 kHz and integral over-current protection circuitry using high positive current coefficient resistors. Input shall be through 12 foot, #16 gauge, 2 conductor SJOW cable. The one piece enclosure shall be constructed of reinforced fiberglass composites with four integral 1/2 x 13” threaded mounting points. The system shall have an amplitude response of 120 Hz to 18 kHz (+/- 3 dB), input capability of 40V RMS, 107 dB sensitivity at one meter and 8 ohms nominal impedance. The nominal dispersion shall be 80ºH x 50º V from 1 kHz to 16 kHz. The loudspeaker shall be 26 in. (660 mm) H x 13.75 in. (349 mm) W x 14.5 in. (368 mm) D and weigh 70 lbs. (31.9 kg).