Q-SYS PL-CA12 Two-way, full-range 12" coaxial loudspeaker

KEY FEATURES

- Weatherized (IP54) wooden enclosure for indoor and protected outdoor environments
- Wide symmetrical coverage ideal for placement close to the listener
- Pair with Q-SYS CX-Q 4ch network amplifiers to enable custom voicings and filter sets for quicker deployment and better sonic performance
- Black (RAL 9011)

Q-SYS PL-CA12

Two-way, full-range 12" coaxial loudspeaker

The Q-SYS PL-CA12 is a two-way, full-range coaxial loudspeaker that offers wide, symmetrical coverage in a compact enclosure. It is ideal for applications when placed closer to the listener and/or where controlled coverage is not a requirement. All of the PL Series loudspeakers take advantage of the power and performance delivered by the Q-SYS Platform, including simplified setup and custom voicings, rock-solid power via Q-SYS network amplifiers, advanced telemetry, monitoring and customizable end user control.

DELIVER THE RIGHT SYSTEM FOR YOUR CUSTOMERS

PL Series loudspeakers provide an abundance of options to ensure the right loudspeaker solution anywhere in the venue that requires higher performance audio.

The PL-CA12 is a two-way, full-range coaxial loudspeaker with an HF compression driver mounted directly at the center of a 12-inch LF transducer. Coaxial drivers are designed with a compression driver mounted directly at the center of a woofer, resulting in a more compact enclosure. Several available mounting options are available to ensure these loudspeakers can be set up in the right location.

Each PL Series loudspeaker features a weatherized enclosure (IP54 rating), making them a perfect choice for indoor or protected outdoor applications. Pairing them with the Q-SYS Platform, including Q-SYS processing and network amplifiers extends several unique benefits from custom loudspeaker voicings (Intrinsic Correction™) and protection safeguards to advanced telemetry, helping to speed up deployment and deliver a more holistic system operation experience.

FULL CONTROL AND MONITORING FOR ENTERTAINMENT VENUES

The Q-SYS Platform offers a full-featured control engine that lets you deploy the right level of intuitive user control and system visibility for each stakeholder in the venue. Design an advanced system control interface with Q-SYS UCI Editor for the sound operators, containing any combination of gain, preset triggers, status indicators, telemetry data and more. Similarly, enlist Q-SYS Reflect Enterprise Manager to remotely monitor and manage the integrity of your system from anywhere, and even allow an offsite technician to identify and troubleshoot issues from any web browser.

SEAMLESS Q-SYS EXPERIENCE FOR ENTERTAINMENT VENUES AND COMPLEXES

PL Series performance loudspeakers are part of a comprehensive Q-SYS system portfolio that delivers a holistic audio, video, and control experience for the entire venue. Whether you need foreground reinforcement for your performance area, background music in the lobbies or ancillary areas, collaboration in the meeting rooms, wide area audio distribution or third-party device integration and automation, the Q-SYS Platform ties these pieces to deliver a uniquely tailored experience throughout.

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Tranducers	LF: 12 in (320 mm), 3 in (72.6 mm) voice coil, neodymium Coaxial HF: compression driver, 3 in (76.2 mm) voice coil
Enclosure configuration	Two-way, full-range coaxial loudspeaker in bass reflex enclosure
Form factor/box angle	Trapezoidal, 53°
Coverage (horizontal x vertical)	80° conical DMT
System bandwidth[1] (no subwoofer)	-3 dB: 47 Hz - 20 kHZ -6 dB: 42 Hz - 20 kHZ -10 dB: 38 Hz - 20 kHz
System sensitivity[2]	102 dB 1 W/1 m
LF sensitivity	98.3 dB 1 W/1 m
HFsensitivity	106 dB @ 1 W/1 m
Max SPL (continuous)[3]	119 dB (passive) 120.5 dB (bi-amp)
Max SPL (peak)[4]	131 dB (passive) 132.5 dB (bi-amp)
Max SPL (calculated)[5]	132 dB
Systempower rating[6]	51 Vrms, continous power 330 W @ 8 Ω, rated power 660 W @ 8 Ω
LF power rating	51 Vrms, continous power 330 W @ 8 Ω, rated power 660 W @ 8 Ω
HF power rating	33 Vrms, continous power 135 W @ 8 Ω, rated power 270 W @ 8 Ω
Nominal impedance	8 Ω (passive) 8 Ω (HF) 8 Ω (LF)
Minimal impedance	6.6 Ω (passive) 6.4 Ω (HF) 7.6 Ω (LF)
Enclosure material	15 mm Baltic Exterior plywood
Enclosure color	Black (RAL 9011)
Grille thickness	18 GA, 1.2 mm
Connectors	2x speakON NL4 up to 10 AWG (6 mm^2) 1x Euroblock locking 4 poles (parallel to Speakon): 8 AWG (10 mm^2) The connector is recessed and may be covered by an IP65 sealing plate
Rigging points	Top/ bottom: 4x 2.25 in (108 x 50 mm) M6 hole pattern, 3x M10 rigging points, 1x M8 for Yoke Sides: 2x M10 rigging points Rear: 4x 2.25 in (108 x 50 mm) M6 hole pattern, 2 x M10 pullback point
Weatherization	IP54, External plywood, Stainless screws, Treated grille vs. UV and corrosion, Hydrophobic stainless steel mesh behind grille, Polyurea Paint, Input cup (IP65) sealing with gland
Recommended amplifiers	CX-Q 8K4 (up to 2 per ch) CX-Q 4K4 (up to 1 per ch)
Dimensions (HxWxD)	Net: 23.5 x 15.7 x 13.8 in (597 x 400 x 350 mm) Shipping: 25.1 x 18.4 x 16.6 in (638 x 467 x 422 mm)
Weight	Net: 44 lb / 20 kg Shipping: 52.8 lb / 24 kg
Accessories (sold separately)	PL-CA12-YM horizontal yoke mount PL-CA12-SL Link to suspend PL-CA12 with PL-SUB15

1. Default voicing, No sub High Pass, Smoothed
2. 1 W/1 m, Averaged on 200-10 kHz (System), 200-2 kHz (LF) or 1 k-10 kHz(HF)
3. Used for simulation. Measured 1 m on-axis in free space after 1 mn. Pink noise 12 dB crest Factor into RMS protection, Z weight, RMS value
4. Same as Continuous SPL +12 dB CF
5. Provided for reference with former specs, Calculated from continuous noise power and sensitivity +6 dB, default horn
6. Max voltage during 2 h without transducer permanent damage. Protection voltage will be lower.

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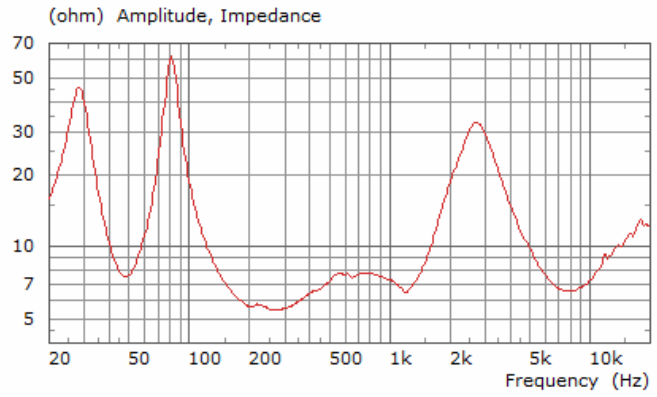
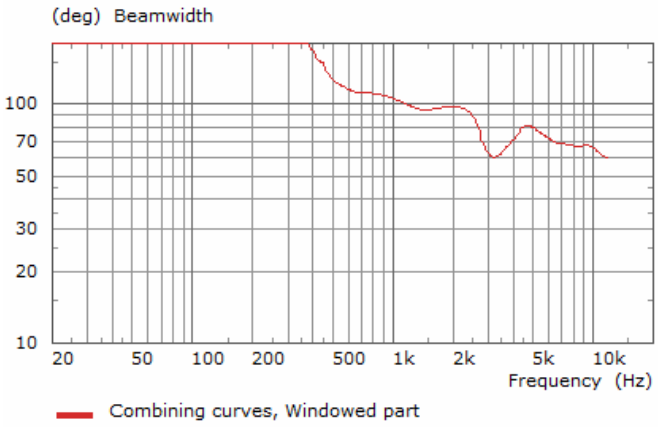
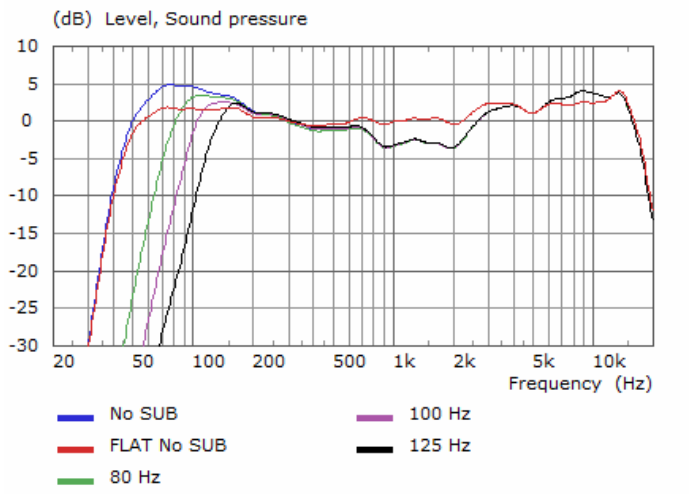
Impedance



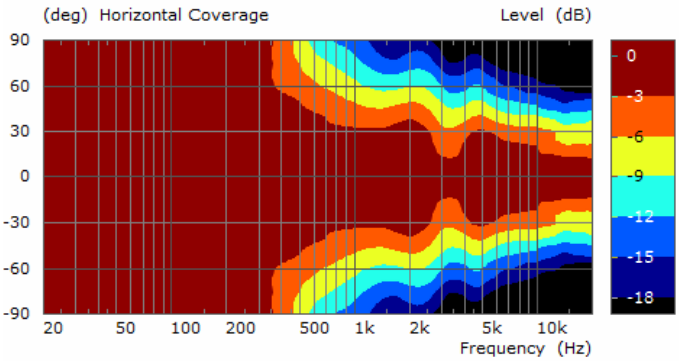
Beamwidth



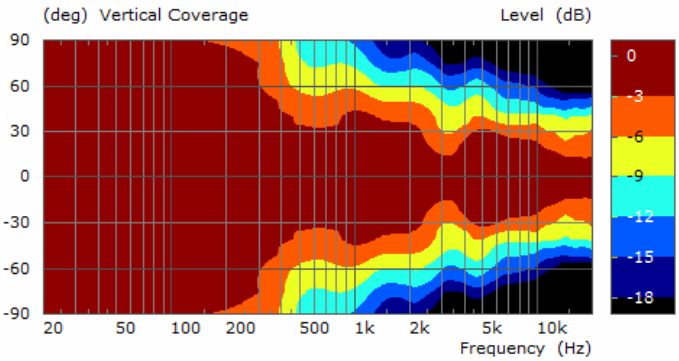
Response



Horizontal Coverage



Vertical Coverage



Dimensions