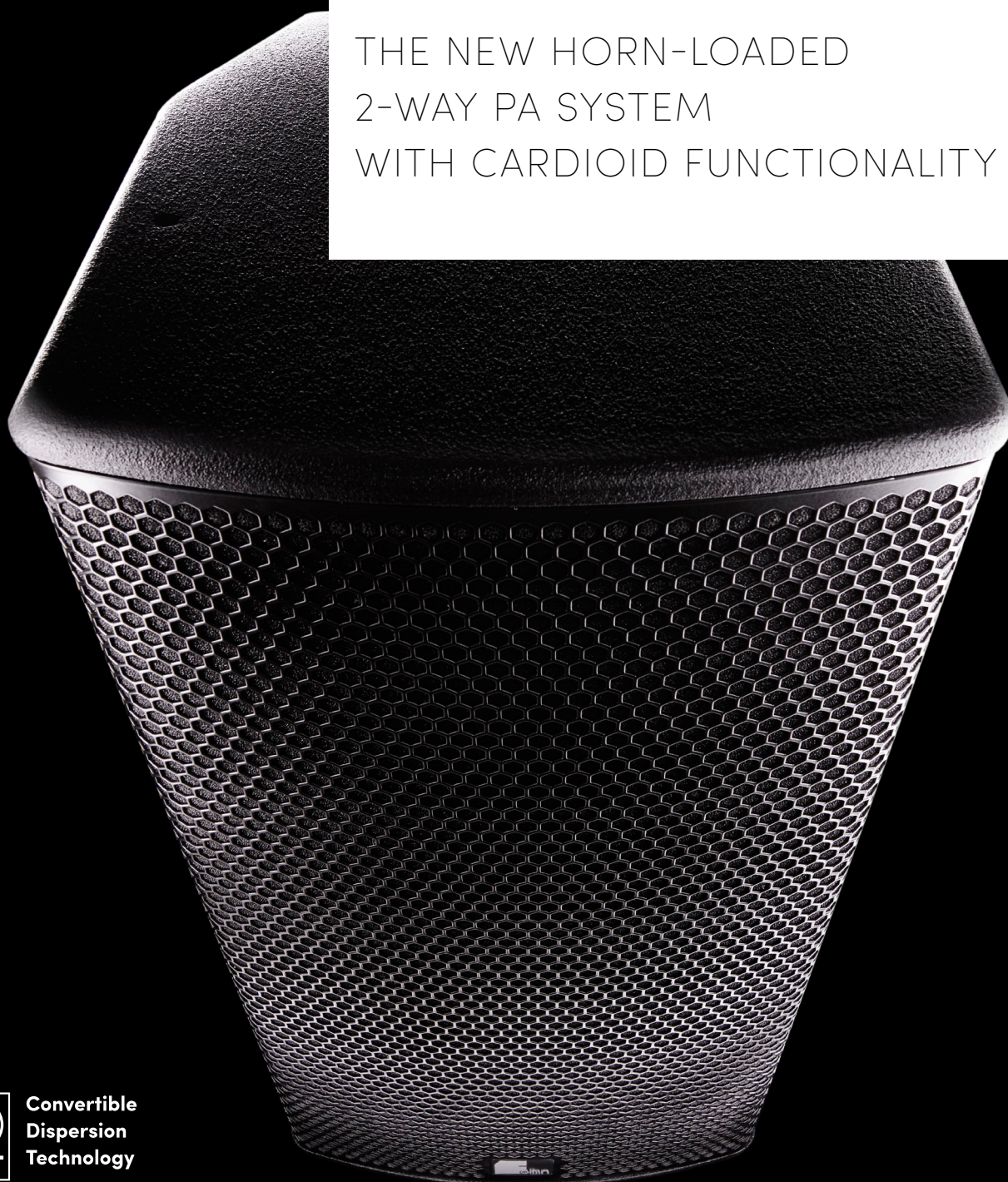


# PERFORM-SERIES: **PT-70**

THE NEW HORN-LOADED  
2-WAY PA SYSTEM  
WITH CARDIOID FUNCTIONALITY



Convertible  
Dispersion  
Technology

## PT-70

### HORN-LOADED. CARDIOID. PLUG & PLAY.

**FOHNN®** expands its **PERFORM-SERIES** with the **PT-70** – a high performance, 2-way loudspeaker system with cardioid functionality that has been specially developed for concert sound and touring applications. The new loudspeaker makes an ideal sound system for concerts in tents, halls and clubs, or for town festivals and smaller open-air events. It also acts as a solid extension for line arrays and large Beam Steering systems. For the rental market, the **PT-70** has many applications as a multifunctional loudspeaker system. The **PT-70** contains two 12" chassis with compression chamber and horn, plus a 1.4" compression driver with CD horn. It features a passive crossover which splits up the loudspeaker's audio signal. An Intelligent Protection Circuit (IPC), a voltage-controlled semiconductor circuit, protects the high frequency driver from overload – quickly and reliably.

The loudspeaker system also features **CONVERTIBLE DISPERSION TECHNOLOGY (CDT)**, which is registered as a utility model. This technology enables the **PT-70** to be switched between cardioid and vented operation. In cardioid mode, the sound dispersion at low-mid range frequencies is effectively reduced at the system's back. Thus first-class sound reproduction and speech intelligibility are ensured.

The **PT-70** has been solely developed for operation with **FOHNN** speaker presets – especially with **FOHNN** Class D amplifier **D-2.1500**: The system's equalizing occurs within the **FOHNN** DSP, which also includes all of the protective functions that are required for a safe operation. Together with this amplifier and **FOHNN** subwoofers, the **PT-70** delivers excellent results.

### THE **PT-70** AT A GLANCE:

- two variants: 90° or 60° horizontal sound dispersion
- fully horn-loaded passive loudspeaker, 2-way
- components: 2 × 12" with horn and compression chamber / 1 × 1.4" on CD-Horn
- 2-way split with passive crossover including IPC high frequency protection
- effective sidelobe suppression through a midrange waveguide
- switchable between cardioid and vented operation (CDT)
- in cardioid mode: effective reduction of low-mid rear sound
- maximum SPL: 140 dB
- low weight (39 kg)
- steel braced birch plywood housing
- front grille in housing colour – with acoustic foam behind
- supplied as standard with black, weatherproofed polyurethane coating that includes UV protection and waterproofed membrane
- available in all RAL Classic colours
- well-designed mounting system for tripod use and flown applications (2 × Quicklock locks for flying brackets and AEROQUIP flying tracks, 2 × eyelets for safety)
- equipped with 2 × Neutrik NL4 Speakon connectors



# PT-70

## TECHNICAL SPECIFICATIONS

### ELECTROACOUSTIC FEATURE

acoustic design	horn-loaded passive speaker system, 2-way, vented, CDT (Convertible Dispersion Technology – switchable between cardioid and vented operation), sidelobe suppression by means of a midrange-waveguide
components	2 x 12" long excursion speakers working in compression chamber and horn, 1.4" compression driver on CD horn with self-resetting IPC[*]-HF protection, neodymium magnets
power rating (nominal) [1]	900 W
power rating (program) [2]	800 W
power rating (peak) [3]	3600 W
maximum SPL [3]	140 dB
frequency range [4]	52 Hz – 20 kHz
nominal dispersion (h x v) [5]	90° x 50° or 60° x 50°
nominal impedance	4 Ohms

### FEATURES

enclosure	multiplex birch plywood, reinforced with steel braces
protection grille	steel, ball impact resistant, powder coated
rigging points	2 x suspension rail for Quicklock flying bracket and AEROQUIP rigging hardware, 2 x eyebolt for safety
connections	2 x Neutrik NL4 Speakon connectors
standard colours	scratch-proof polyurethane coating, black
front design	hexagonally perforated steel grille, backed by acoustically transparent foam
dimensions (B x H x T)	400 x 800 x 450 mm
weight [6]	approx. 39 kg

### OPTIONAL FEATURES

optional colours	all RAL Classic colours
weather protection	polyurethane coating with additional UV-resistant finish, water-repellent speaker cone impregnation

### CAAD SIMULATION DATA

EASE

[1] according to IEC-60268-5 long term

[2] according to IEC-60268-5 short term

[3] peak, 20 ms with bandpass filtered pink noise signal according to IEC 60268-2at one octave above the lower limit of the frequency range

[4] -10 dB under anechoic half-space conditions with speaker-preset

[5] horizontal x vertical at -6 dB

[6] net weight without optional equipment

[\*] Intelligent Protection Circuit: voltage-controlled semiconductor circuit protecting the HF-driver from overload, highly effective and with a very short attack time





PT-70 in tripod use with universal bracket VPT-70

If you have further questions, or would like some more information on our **PERFORM-SERIES** product, please visit our website or contact us directly:

## FOHNN® AUDIO AG

Hohes Gestade 3-8  
72622 Nürtingen  
Germany

Tel. +49 7022 93323-0  
Fax +49 7022 93324-0

[www.fohnn.com](http://www.fohnn.com)  
[info@fohnn.com](mailto:info@fohnn.com)

FOHNN® on Social Web

