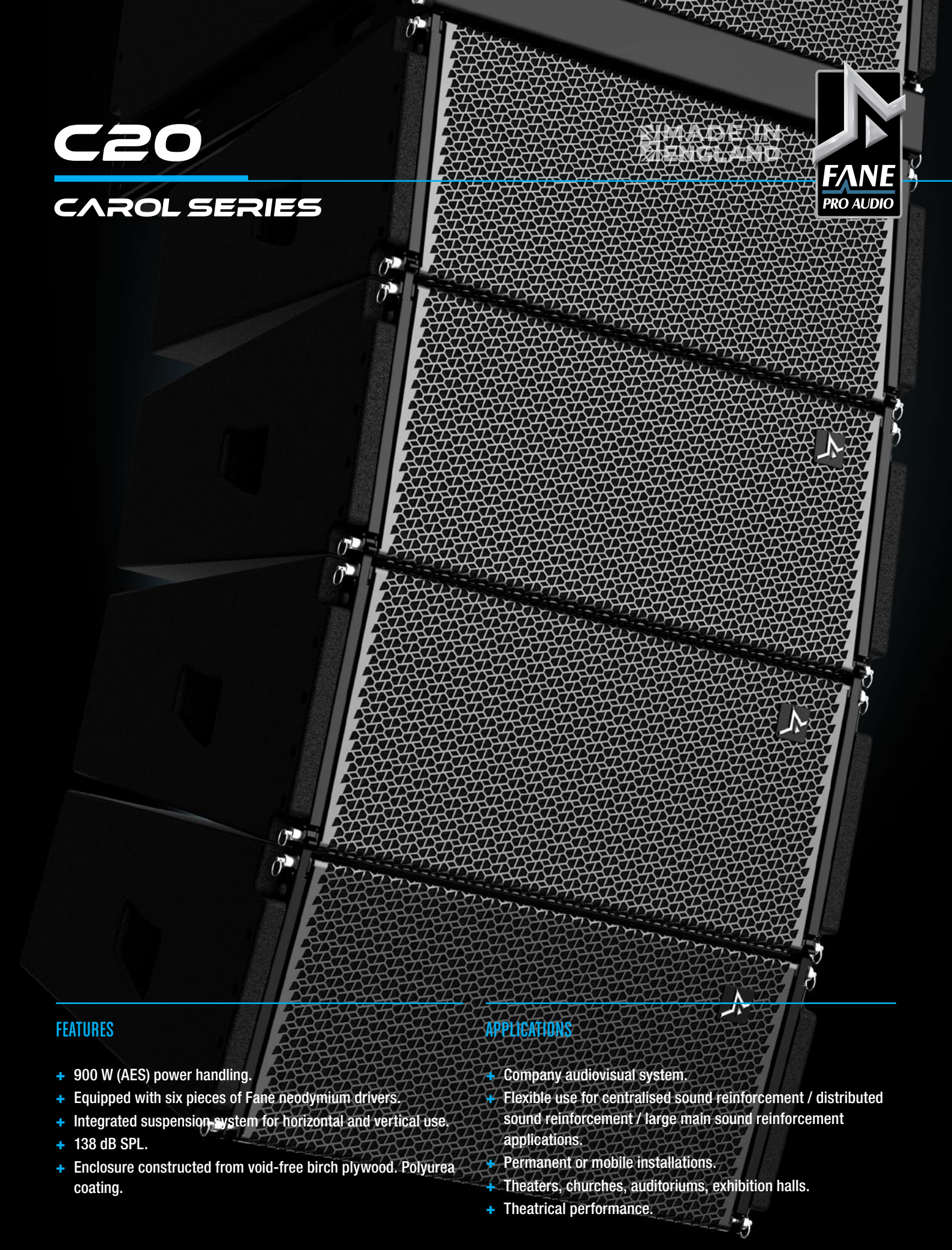
C20

CAROL SERIES



FEATURES

+ 900 W (AES) power handling.
+ Equipped with six pieces of Fane neodymium drivers.
+ Integrated suspension system for horizontal and vertical use.
+ 138 dB SPL.
+ Enclosure constructed from void-free birch plywood. Polyurea coating.

APPLICATIONS

+ Company audiovisual system.
+ Flexible use for centralised sound reinforcement / distributed sound reinforcement / large main sound reinforcement applications.
+ Permanent or mobile installations.
+ Theaters, churches, auditoriums, exhibition halls.
+ Theatrical performance.

C-20

DUAL 10-INCH, THREE WAY LINE ARRAY SYSTEM

The C-20 Line array system is built around Fane's advanced transducer development and technology. C-20 can be deployed in medium to large bar / club venues as main PA system. The versatility of the C-20 also makes this a favorite choice for fixed or mobile installation applications including banquet halls and conference halls.

The C-20's versatile design means the system can be arrayed horizontally or vertical to fulfil all coverage needs. It's seamless integration with the C-58 hyper cardioid sub system ensures the most immersive listening experience available. The C-20 line array system delivers true and faithful and coherent audio reproduction across the full audio spectrum combined with fast and powerful low-frequency impact when used with the C-58S sub system.

The C-20 offers outstanding performance from a compact design which outperforms many of its larger competitors. Comprising of 6 transducers with a loading technique designed to extract maximum performance from its compact size without compromise.

The high frequency section consists of two 3-inch voice coil compression drivers married with a 10-degree vertical wave guide, mounted on the same axis as the mid-range section. Horizontal coverage can be adjusted between 80 degrees and 120 degrees.

Mid-low frequency section consists of two 10-inch-long throw transducers delivering precise low mid frequency with articulated impact.

C-20 utilises a quick release flying system with an innovative logarithmic angle adjustment mechanism to ensure the line delivers precise and accurate flex and projection angles with all methods of flying.

Power Handling (AES) **Program** **Peak**	900 W (AES) 1800 W 3600 W
Nominal Impedance	LF: 8 Ω, MF/HF: 8 Ω
Average Sensitivity	MF/HF: 114 dB, LF: 105 dB / 2.83V/ 1m
Calculated Maximum SPL / 1m	132 dB (continuous) 135 dB (program) 138 dB (peak)
Frequency Response (-6dB)	90 Hz - 19 kHz
Manufacturing Consistency	100 Hz - 15 kHz (±3 dB)
Nominal Directivity (-6dB)	80° x 10° (adjustable)
Recommended Amplifier	LF: 500 W 8Ω, MF/HF: 400 W 8Ω (no clip) in specified frequency response
Recommended Low Cut	80 Hz, 18 dB/ oct Butterworth
Crossover	Passive / Active
Low Frequency Driver	Fane transducer, 8Ω impedance, 10" (250mm) diameter, neodymium magnet, 3" high temperature voice coil on glass fiber former
Mid Frequency Driver	Fane transducer, 8 Ω impedance 8" (200 mm) diameter, neodymium magnet, high-temperature voice coil on 2" glass fibre former
High Frequency Driver	Fane neodymium compression driver

Flying Hardware	3 point flying system
Connectors	2 Neutrik Speakon NL8MP
Connection Mode	LF:+1,-1, MF/HF: +2,-2
Cabinet	CNC made with tongue and groove assembly, 18 mm and 24 mm exterior grade, void-free, birch plywood
Finish	Black polyurea
Cabinet Size (HxWxD)	310 x 700 x 595 mm
Shipping Carton Size (HxWxD)	400 x 800 x 686 mm
Weight	41.6 kg net 43 kg gross