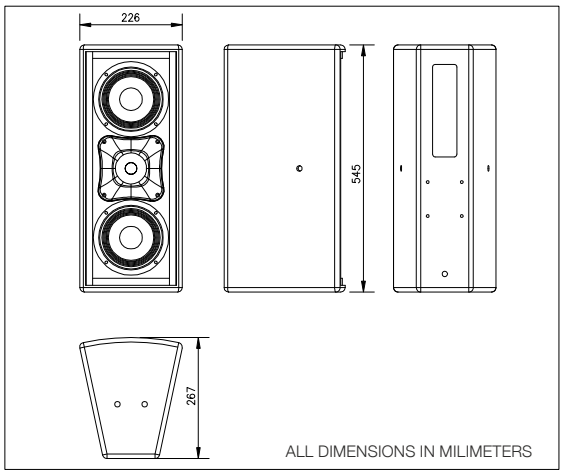
WR-8826

TWO-WAY WEATHER RESISTANT LOUDSPEAKER SYSTEM



Models and versions;

WR-8826TCX, covered exposure, black with transformer
WR-8826TDX, direct exposure, black with transformer
WR-8826TDXW, covered exposure, white with transformer

The DAS WR-8826 is a two-way loudspeaker system for applications covering speech reinforcement, program reproduction and live music productions specially designed to be used outdoors due to its specific treatments against dust, water and humidity.

The Low Mid range utilizes two high efficiency 6" low frequency speaker with 32mm voice coil.
The High end makes use of a 1" annular diaphragm compression driver coupled to a 80º x 80º horn.

The enclosure is manufactured from Birch Plywood and it can be ordered in two different special finishings; CX consists of Polyurea paint which is intended for covered areas and DX which consists of a fiberglass finish intended for non covered areas (system directly exposed to weather conditions).The trapezoidal enclosure has 15º side angles for easier rigging.

The unit has a robust stainless steel grille design specially covered with foam and a hydrophobic cloth to protect the loudspeaker components. The covering is resistant to wear and tear and provides protection from dust and dirt as well.

14 integrated rigging points that accept 10M forged steel eyebolts make suspension in either the horizontal or vertical positions safe and simple. The DAS WR-8826 can be also installed using its specific stainless steel U-bracket AXU-WR8826 or the wall mount bracket AXW-1.

The cabinet is provided with an undeterminated cable for connection.

Intended for Auditoriums, Theaters, Worship Centres, Sports Facilities, Live Clubs, Themed Entertainment Venues or Public Buildings and Schools.

Technical Specifications

RMS (Average) Power Handling[R]:	75 W
Program Power Handling[P]:	150 W
Peak Power Handling[K]:	300 W
On-axis Frequency Range (-10dB):	70 Hz - 22 kHz
Nominal Impedance[Z]:	133 Ohms
Transformer Taps 70V:	37 W
Transformer Taps 100V:	75 W
On-axis Sensitivity, 1w/1m :	93 dB SPL
Rated Peak SPL at full power:	122 dB SPL
Nominal -6dB Beamwidths:	80º x 80º
Enclosure Material:	Birch Plywood
Color/Finish:	CX, Black or White/Polyurea DX, Military Grey or Black/ Fiberglass
Transducers/Replacement Parts:	LF: 2 x 6B/6B HF: M-1/M-1
Grille:	Stainless steel
Connector:	Barried Strip
Dimensions (H x W x D):	54,5 x 22,6 x 26,7 cm 21,5 x 8,9 x 10,5 in
Net Weight:	10 kg (22 lb)
Optional Accessories:	AXU-WR8826, AXW-1

[R] Based on a 2 hour test using a 6dB crest factor pink noise signal.

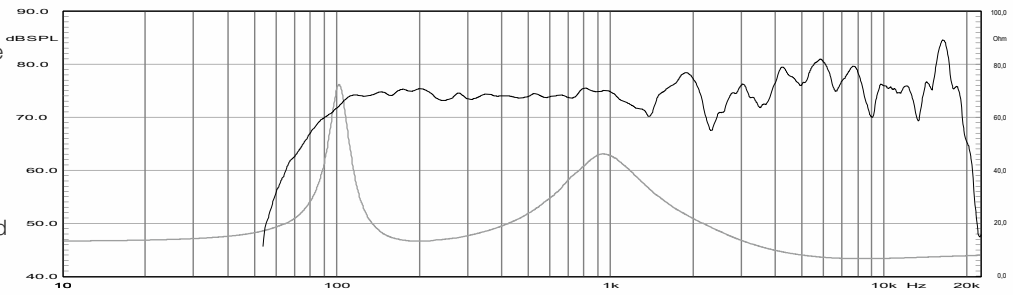
[P] Conventionally, 3dB higher than the RMS measure, although this already, utilizes a program signal.

[K] Corresponds to the signal crests for the test described in [R].

[Z] Obtained from frequency range of 20Hz-2kHz for better optimization of amplification devices.

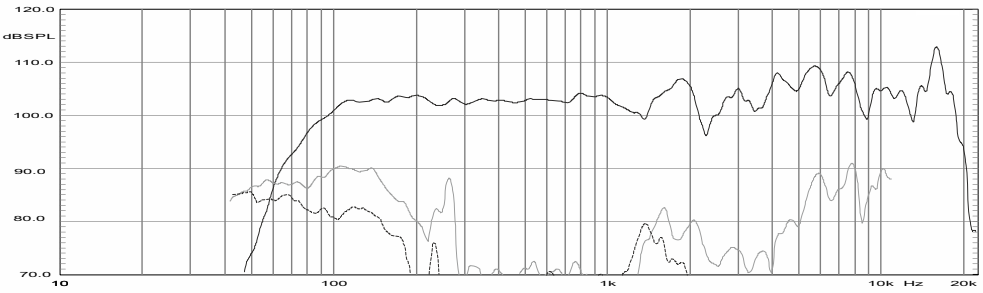
Frequency Response

Shows the frequency response at 4 m of a unit radiating to an anechoic environment (4p) and driven by a 1 W (2.83 V) swept sine signal, and impedance curve. For better detail, only light smoothing (1/12th Octave) has been used



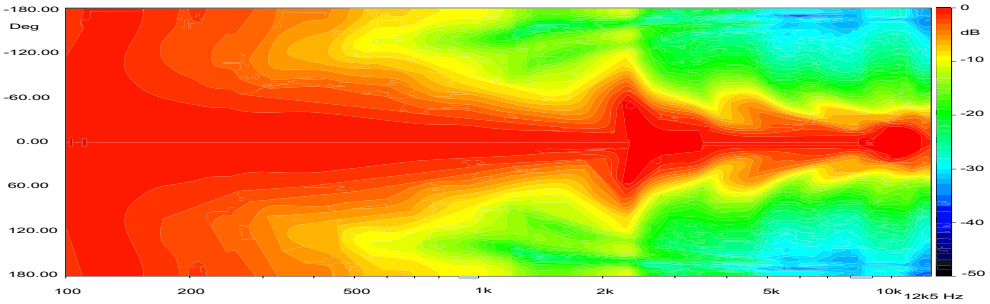
Distortion

Shows the Second Harmonic Distortion (grey) and Third Harmonic Distortion (dotted) curves (rised 20dB for clarity) for a unit driven at 10% of its RMS Power Handling



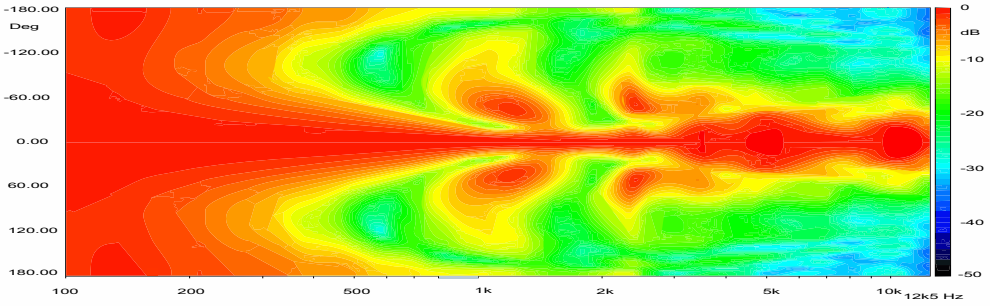
Directivity

Shows normalized horizontal isobar plot.



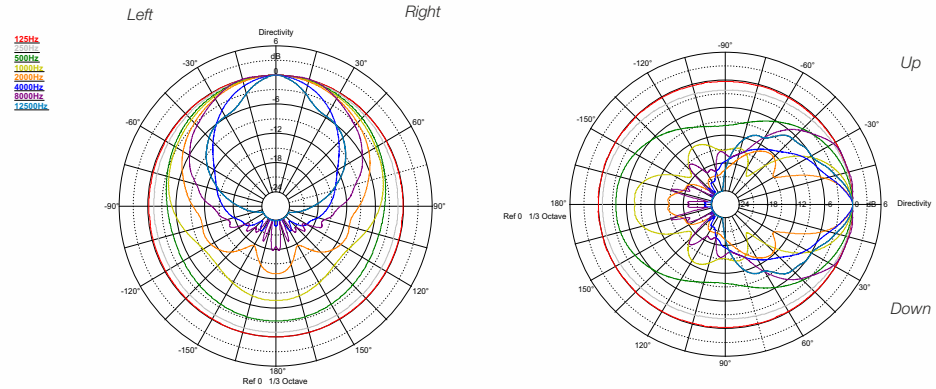
Directivity

Shows normalized vertical isobar plot.



Polar Response

1/3 octave band horizontal (left) and vertical (right) polars for the indicated frequencies. Full scale is 30dB, 6dB per division.



NOTES: Frequency response measured at 4m (13,12ft). For better detail, only light smoothing (1/12th octave) has been used. Polars were acquired by placing the unit on a computer controlled turntable inside a 300 m^3 (10594 ft^3) anechoic chamber. Measurement distance is 4m (13,12ft).

Reference Axis: Axis is on the center of the grille surface and perpendicular to the grille surface.
Reference plane: Plane is on the grille surface and perpendicular to the reference axis.
Horizontal plane: Plane is containing the reference axis and perpendicular to the reference plane

Product improvement through research and development is a continuous process at D.A.S. Audio. All specifications subject to change without notice.

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