



Description: 15-inch loudspeaker for sound-reinforcement applications from 45-2000 Hz. Ideal for medium-to-high-power bass boxes or two-way systems. Good choice for direct-radiating systems. EV's Ring-Mode Decoupling (RMD) employed for accurate transient response and low distortion.

Part Numbers:

815-3324: Systems version with front rim of frame painted black, without an EV nameplate, and without packaging (not shippable).

815-PD-3324: Single packaged 815-3324 for shipping.

815-3381: Sales version (over-the-counter) with front rim of frame painted black, EV nameplate, and individual packaging.

Specifications

General Information	Nominal Cone Diameter (in.)	15
	(mm)	381
	Nominal Coil Diameter (in.)	2.5
	(mm)	63.5
	Nominal Impedance (ohms)	8
	Frequency Range (Hz)	45-2000
	Power Rating, as per EIA-RS426A (Watts)	350
	Sensitivity, 1w@1m (dB SPL)	96.0
	Maximum Calculated SPL (dB SPL)	121.4
	Nominal Efficiency (%)	3.93
Thiele-Small Parameters	Max Calculated Acoustic Power (Ac. Watts)	13.8
	Magnetic Material	Ceramic
	Acoustic Polarity for "+" Voltage	Positive
	Free Air Resonance, Fs (Hz)	45.63
	Mechanical Q, Qms	7.684
	Electrical Q, Qes	0.302
	Total Q, Qts	0.291
	Moving Mass, Mms (g)	107.27
	Compliance, Cms (mm/N)	0.113
	Equivalent Volume Compliance, Vas (CuFt)	4.500
	(l)	127.43
	Mechanical Resistance, Rms (Mech Ohms)	4.002
	DC Resistance, Re (Ohms)	4.900
	BI Product, BI (Tesla-Meters)	22.336
	Maximum Linear Displacement, Xmax (in.)	0.160
Figures	(mm)	4.06
	Maximum Physical Displacement, Xlim (in.)	0.500
	(mm)	12.70
	Effective Radiating Diameter (in.)	13.250
Dimensions	(mm)	336.6
	Frequency Response, 1w@1m	Figure 1
	Free Air Impedance	Figure 2
	Distortion, 10% Full Power	Figure 3
	Distortion, 115 dB SPL @ 1m	Figure 4
	Polars in Typical Enclosure	
	Frame Front Diameter (in.)	15.16
	(mm)	385.0
	Magnet Diameter (in.)	6.13
	(mm)	155.6
	Overall Depth (in.)	6.00
	(mm)	152.4
	Mounting Bolt Circle Diameter (in.)	14.563
	(mm)	369.9
	Baffle Board Cutout Diameter (in.)	14.063
	(mm)	357.2
	Net Weight (lb)	12.0
	(kg)	5.4
	Shipping Weight (lb)	13.5
	(kg)	6.1

Note: All specifications shown are for typical typical loudspeakers. Specifications are subject to change without notice.

Figure 1 - Frequency Response

2.83v (1w) @ 1m, 12 Cubic-Foot Closed Box IEC Standard Baffle

Electro-Voice DL15BFH Frequency Response, 2.83v (1w) @ 1m, 12 CuFt IEC Std Baffle, 09-02-01

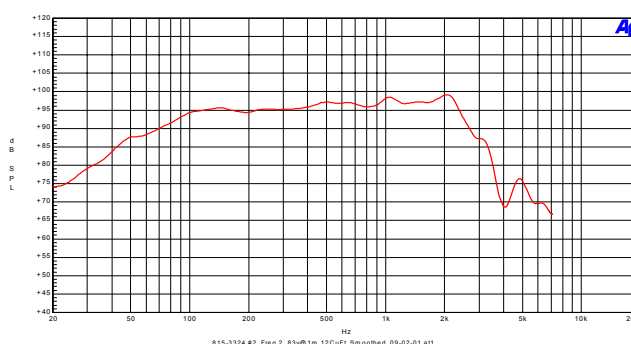


Figure 2 - Free Air Impedance

Woofers In Free Air (No Enclosure)

Electro-Voice DL15BFH Free Air Impedance, 09-02-01

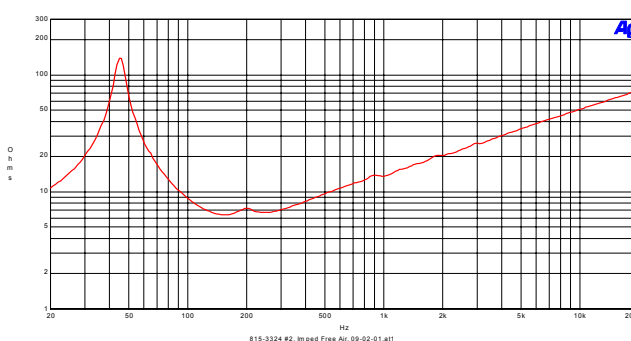


Figure 3 - Distortion, 10% Full Power @ 1m

12 Cubic-Foot Closed Box IEC Standard Baffle

2nd Harmonic: Solid Line, 3rd Harmonic: Dashed Line

Electro-Voice DL15BFH Distortion (2nd_3rd Harmonic), 10% Full Power, 12 CuFt IEC Std Baffle, 09-02-01

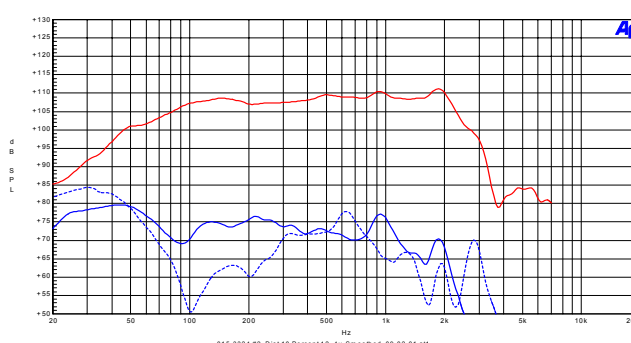


Figure 4 - Distortion, 115 dB SPL @ 1m

12 Cubic-Foot Closed Box IEC Standard Baffle

2nd Harmonic: Solid Line, 3rd Harmonic: Dashed Line

Electro-Voice DL15BFH Distortion (2nd_3rd Harmonic), 115 dB SPL @ 1m, 12 CuFt IEC Std Baffle, 09-02-01

