



VECTOR

ACOUSTICS

LS-120

*Line Source Loudspeaker
for Public Alert Systems*



The LS-120 Line Source Loudspeaker from Vector Acoustics broadcasts loud and clear messages with superior sound quality and power. Spoken messages broadcast with the LS-120 are able to be clearly understood due to the LS-120's improved frequency response over the vocal range. The highly efficient design results in industry leading Sound Pressure Levels, for greater broadcast range without the need for higher powered amplifiers. The ruggedized enclosure with super durable architectural grade powdercoat finish makes the LS-120 ideal for permanent outdoor installation in all climactic conditions.

Acoustic Performance

Efficiency, 1kHz:	117 dB (1W, 1m)
Maximum SPL	
500 Hz:	133 dB (120W, 1m)
1 kHz:	138 dB (120W, 1m)
2 kHz:	144 dB (120W, 1m)
Frequency response:	400 Hz ~ 10 kHz (+/- 8 dB)
Beam width (approx.):	110° Horiz., 15° Vert. (1 kHz)
Power handling:	120W, 60W or 30W at 100V
Input impedance:	83 Ohms at 120W
	165 Ohms at 60W
	330 Ohms at 30W

Environmental Performance

Operating Temperature:	-30°C ~ +60°C
Wind:	75 m/s
Ingress Protection:	IPX6
Insects:	Insect screen

Mechanical

Weight:	20 kg
Dimensions:	259 mm (W)
	1402 mm (H)
	245 mm (D)
Construction:	5052-H32 aluminum
	corrosion resistant chemical
	conversion coating
	300 series stainless steel hardware
Hazardous Substances:	RoHS compliant
Mounting:	M10 mounting studs
	with hardware
Electrical connection:	2 meter wire leads



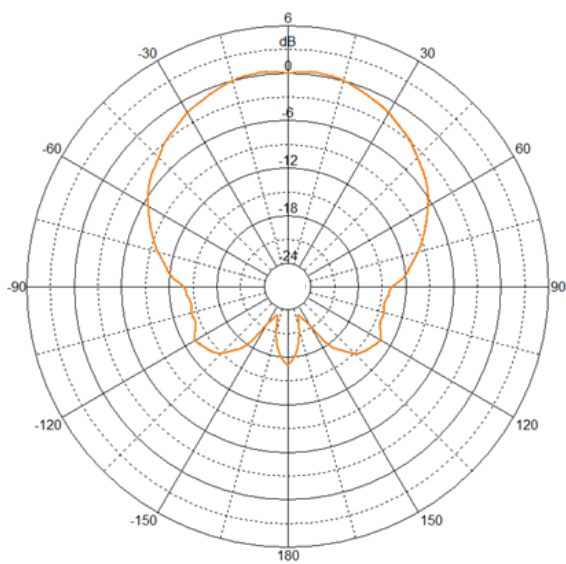
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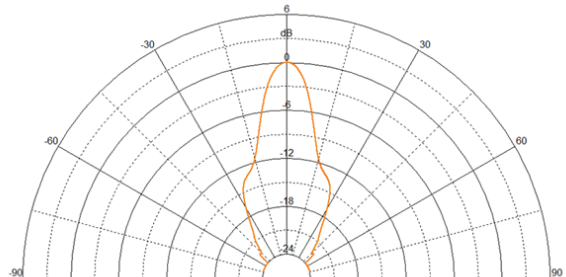
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Polar Plots at 1 kHz

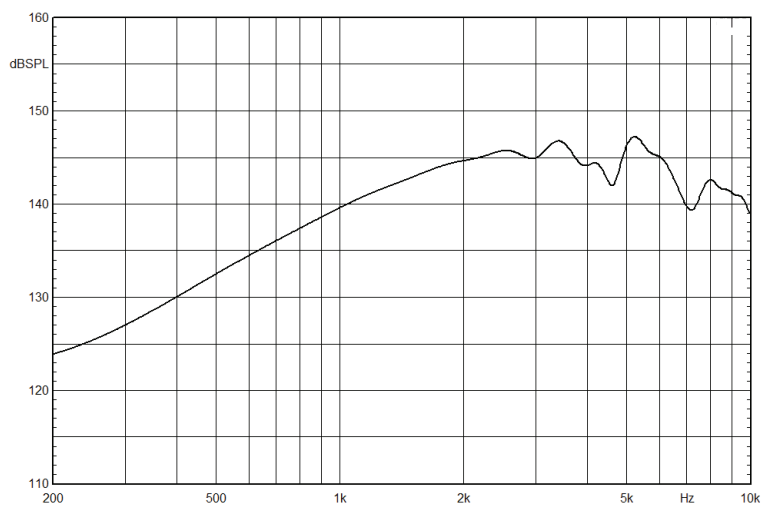


Horizontal



Vertical

Frequency Response at 120W - scaled to 1m



Mechanical Dimensions (mm)

