

## WHEN YOUR TONE FALLS INTO PLACE LIKE THE FLICK OF A SWITCH...

The Belfast 820 provides players and listeners with a well-tailored and satisfyingly clear response. This model gives your tone a defined contour—open and present lows, soft mids, and glassy/articulate highs—that will make your lead and solo lines soar.

Upgrade your 8" guitar speaker cabinet with this high-sensitivity driver, combining a powerful ferrite magnet motor, a 1" copper voice coil, a paper composite cone, a pair of dual terminals for easy connectivity and installation, with a sturdy steel basket to hold it all in place.

- British tone guitar speaker
- 8" (203 mm) steel basket diameter
- 20 watts, 4 ohm, 97 dB SPL
- 1" copper voice coil, Kraft paper former
- 10 oz ferrite magnet
- Paper composite cone

For international customers, [CHECK OUR DISTRIBUTORS PAGE](#) to see what is available near you.

*ToneSpeak guitar speakers are the result of years and years of the deep-dive for the perfect tone. Decades of testing, field experience and conversations with elite tone-chasers have all been poured into these fine products. When you play ToneSpeak, you play the best.*



### Primary Specifications

Size, Nominal (inch & mm)	8" (203 mm)
Rated Impedance ( $\Omega$ )	4
Continuous Power (W)	20
Sensitivity (dB SPL) <sup>1</sup>	97
Frequency Range (Hz)	88 - 11, 000
Resonant Frequency (Fs) (Hz)	155

### More Specifications

<b>Application</b>	Musical Instruments
<b>RoHS Compliant</b>	Yes
<b>DC Resistance (Re) (<math>\Omega</math>)</b>	3.4
<b>Program Power (W)</b>	40
<b>Continuous Power (W)</b>	20

### Small Signal Parameters

<b>Nominal Impedance (Z) (<math>\Omega</math>)</b>	4
<b>DC Resistance (Re) (<math>\Omega</math>)</b>	3.4
<b>Voice Coil Inductance (Le) (mH)</b>	0.12
<b>Resonant Frequency (Fs) (Hz)</b>	155
<b>Mechanical Q Factor (Qms)</b>	15.49
<b>Electrical Q Factor (Qes)</b>	1.77
<b>Total Q Factor (Qts)</b>	1.59
<b>Moving Mass (Mms) (gm)</b>	9.22
<b>Suspension Compliance (Cms) (mm/N)</b>	0.11
<b>Mechanical Resistance (Rms) (kg/s)</b>	0.58
<b>Surface Area of Diaphragm (Sd) (cm<sup>2</sup>)</b>	226.98
<b>Compliance Equivalent Volume (Vas) (L)</b>	8.31
<b>Coil Winding Height (mm)</b>	6.35
<b>Magnetic Gap Height (mm)</b>	6.0
<b>Motor Force Factor (BL) (T•M)</b>	4.17
<b>Efficiency (<math>\eta_0</math>) (%)</b>	1.69
<b>Efficiency Bandwidth Product (EBP) (Fs/Qes)</b>	87.88

### Material Descriptions

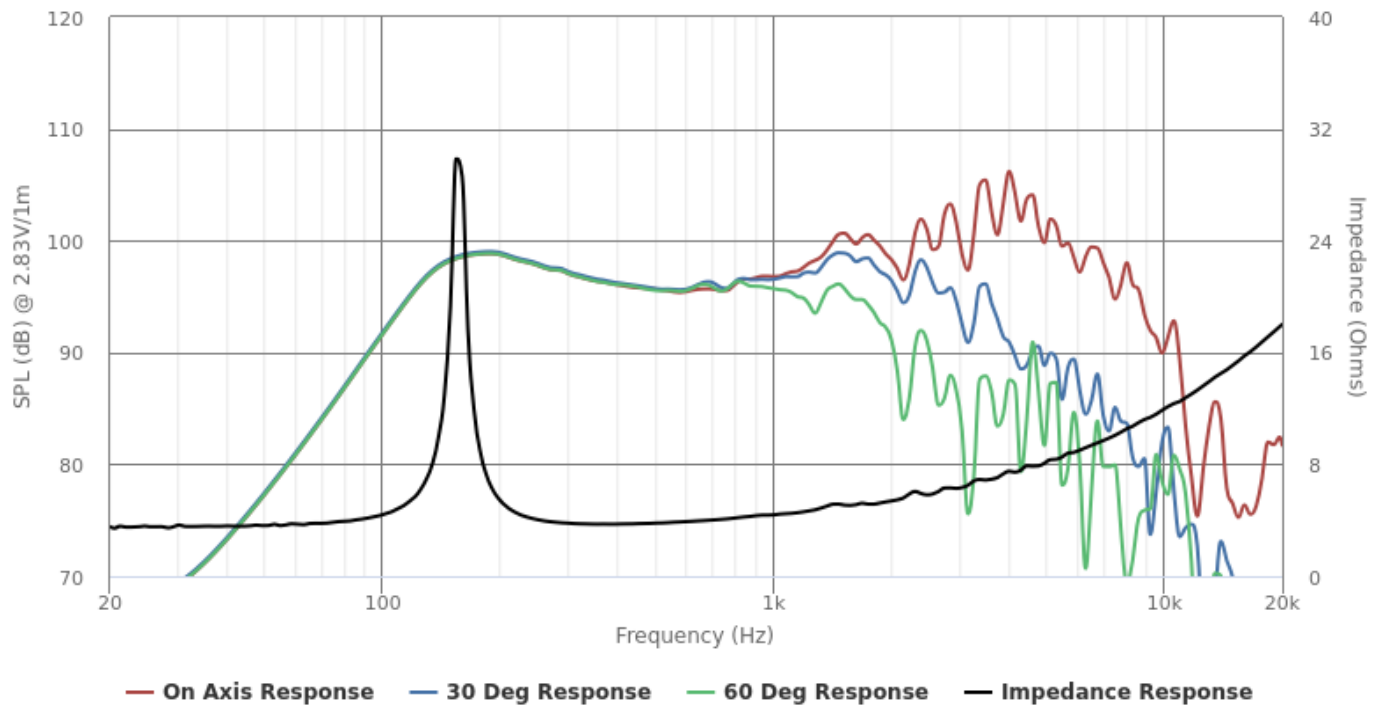
<b>Basket Type</b>	Stamped steel with black powder coating
<b>Terminal Size (mm)</b>	5.2 x 0.5
<b>Voice Coil Diameter (mm)</b>	25.4
<b>Voice Coil Wire Material</b>	copper
<b>Voice Coil Former Material</b>	Kraft paper
<b>Magnet Material</b>	Ferrite
<b>Magnet Weight (g)</b>	283.5
<b>Cone Body Material</b>	Paper composite
<b>Spider Material</b>	Cotton

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<b>Dust Cap Material</b>	Paper
<b>Net Weight (kg)</b>	1.02



## Frequency & Impedance Response



Highcharts.com