

PART #: 86065

# 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-inch guitar speaker cabinet with this high-sensitivity driver, combining a powerful ferrite magnet motor, a 1-inch copper voice coil, a paper composite cone, and 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 inch (203 mm) steel basket diameter
- 20 watts, 4 ohm, 97 dB SPL
- 1-inch copper voice coil, Kraft paper former
- 10 oz ferrite magnet
- Paper composite cone

<u>CHECK OUR DISTRIBUTORS PAGE</u> for international customers to see what is available near you.

ToneSpeak guitar speakers result from years and years of 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) +/- 15%	155









#### **More Specifications**

Application	Musical Instruments
RoHS Compliant	Yes
DC Resistance (Re) ( $\Omega$ )	3.4
Program Power (W)	40
Continuous Power (W)	20

#### **Small Signal Parameters**

Nominal Impedance (Z) ( $\Omega$ )	4
DC Resistance (Re) ( $\Omega$ )	3.4
Voice Coil Inductance (Le) (mH)	0.12
Resonant Frequency (Fs) (Hz) +/- 15%	155
Mechanical Q Factor (Qms)	15.49
Electrical Q Factor (Qes)	1.77
Total Q Factor (Qts)	1.59
Moving Mass (Mms) (gm)	9.22
Suspension Compliance (Cms) (mm/N)	0.11
Mechanical Resistance (Rms) (kg/s)	0.58
Surface Area of Diaphragm (Sd) (cm²)	226.98
Compliance Equivalent Volume (Vas) (L)	8.31
Coil Winding Height (mm)	6.35
Magnetic Gap Height (mm)	6.0
Motor Force Factor (BL) (T•M)	4.17
Efficiency (η₀) (%)	1.69
Efficiency Bandwidth Product (EBP) (Fs/Qes)	87.88

### **Material Descriptions**

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





#### BELFAST 820 - 8 INCH GUITAR SPEAKER, 20 WATT, 4 OHM

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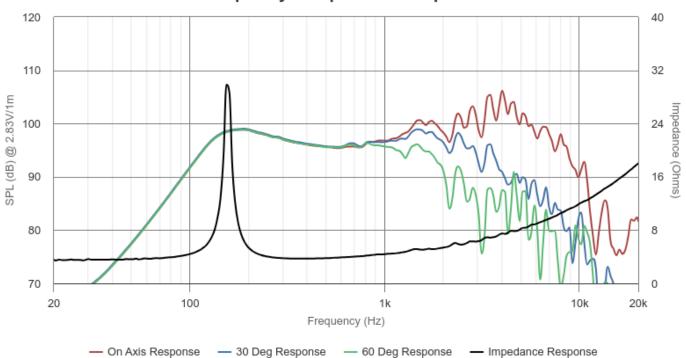
Dust Cap MaterialPaperNet Weight (kg)1.02





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## Frequency & Impedance Response



Highcharts.com