



B17

PROFESSIONAL SERIES

1280₈

PRELIMINARY



6.5" . 17 cm
Bass Midrange Driver
Ultimate Sounding Quality

APPLICATIONS

Bass Midrange transducer dedicated to the reproduction of 50-4000Hz frequencies. Usable for direct radiation in small volumes from 12L tuned at 55 Hz. Its design gives priority to ultimate sounding quality.

FEATURES

Power handling capacity	100 W AES
Reference efficiency (1W @ 1m)	93 dB SPL
SPL max (continuous)	109 dB SPL
Usable frequency range	50-4000 Hz
Environmental withstanding	Outdoor+

1280 PRELIMINARY

6.5" ■ 20 cm Bass Midrange Driver

1280

TYPICAL CHARACTERISTICS

Rated impedance	Z	8	
Reference efficiency (1 W@1 m)	-	93	dB SPL
Usable frequency range ¹	-	50-4000	Hz
Power handling capacity ²	(AES)	100	W
Max Sound Pressure Level ³	SPLmax	109	dB SPL
Min. impedance modulus	Zmin	6.0 @ 360Hz	
Voice-coil inductance ⁴ @ 1 kHz	Le1k	0.35	mH
@ 10 kHz	Le10k	0.24	mH
Bl product	BL	8.80	N/A
Moving mass	Mms	0.011	Kg

THIELE-SMALL PARAMETERS : TYPICAL (QC LIMITS)

Resonance frequency ⁵	Fs	47(±7)	Hz
DC resistance ⁶	Re	6.0(±0.6)	
Mechanical quality factor	Qms	3.0	1
Electrical quality factor	Qes	0.24	1
Total quality factor	Qts	0.23	1
Mechanical suspension compliance	Cms	1000	10 ⁻⁶ m/N
Effective piston area	Sd	0.0133	m ²
Equivalent Cas air load	Vas	0.026	m ³
Max. linear excursion	Xmax	±3.5	mm
Linear displacement volume	Vd	0.047	10 ⁻³ m ³
Half-space efficiency		1.1	%
Unity load volume	Vas Qts ²	1.3	10 ⁻³ m ³

ABSOLUTE MAXIMUM RATINGS

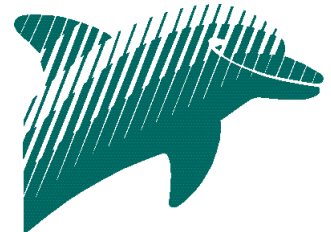
Short term max. input voltage ⁷	Vmax	60	V
Max. excursion before damage	Xdam	±8	mm
Ambient operating temperature		-10 to +50	°C
Storage temperature ⁸		-20 to +70	°C
Environmental conditions ⁹		Outdoor+	

APPLICATION INFORMATION

Air volume occupied by the driver ¹⁰		0.50	10 ⁻³ m ³
Speaker net mass		2.15	Kg
Recommended reflex box	Vb/Fb	12 / 55	L / Hz
Electrical polarity	A positive voltage applied on the red terminal produces forward cone motion.		

SPECIFICATION NOTES

- Note 1 : Allowing for energy response, excursion capability, Power spectrum, and -3dB low freq. roll-off for standard reflex tuning.
- Note 2 : Established at 20°C ambient temp, according to AES2-1984 standard using IEC268-1 simulated programme signal and a 12 liter Bass-Reflex test enclosure tuned at 55Hz.
- Note 3 : Established at 1m on axis of the loudspeaker in test enclosure, when driven at full AES Power Handling Capacity, including 4dB of thermal compression loss.
- Note 4 : Measured at 20 mA in free air.
- Note 5 : Measured at 20 mA and 20°C ambient temp. in free air conditions, after full run and rest.
- Note 6 : Measured at 20°C ambient temp. QC limits are ±10 %
- Note 7 : Stated in RMS voltage according to IEC 268-5.
- Note 8 : Includes shipping conditions. The lower limit prev from demagnetization.
- Note 9 : Our products are classified in three categories : Indoor, Outdoor, and Outdoor+ for permanent outdoor use or severe conditions.
- Note 10 : Calculated for front mounting on to a 18 mm thi board.



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