



phl audio

982

5"

E

Fe



DESCRIPTION

Lorem ipsum dolor sit amet consectetur
adipiscing elit sed do eiusmod tempor incididunt ut
Labore et dolore magna aliquam
Ut enim ad minim veniam

MAIN PARAMETERS

Rated Impedance	8 Ohm
Power Handling Capacity	110-4000 Hz
Reference efficiency	(1W@1m) 92 dB SPL
SPL max (continuous)	100 W AES
Usable frequency range	108 dB SPL
Voice coil Ø	1,5 inch
Environmental withstanding	Outdoor+

Coaxial Low-mid
frequency unit + HF
driver



982

ARCHITECTURE

TYPICAL CHARACTERISTICS

Rated impedance	Z	8,00	W
Half space sensitivity (1W@1m)	-	92	dB SPL
Usable freq. range	-	110-4000	Hz
Power handling capacity (AES)	-	100	W
Max Sound Pressure Level	SPLmax	108	dB SPL
Coverage angle	a		°
Min. impedance modulus	Zmin	6.3@650	W@Hz
Voice-coil inductance @ 1kHz	Le ^{1k}	0,62	mH
Voice-coil inductance @ 10kHz	Le ^{10k}	0,24	mH
BL product	BL	8,3	N/A
Moving mass	Mms	0,0083	kg

THIELE-SMALL PARAMETERS: TYPICAL (QC LIMITS)

Resonance frequency	Fs	135(±20)	Hz
DC Resistance	Re	5.7(±0.6)	W
Mechanical quality factor	Qms	3,6	1
Electrical quality factor	Qes	0,56	1
Total quality factor	Qts	0,48	1
Suspension compliance	Cms	175	10-6.m/N
Effective piston area	Sd	0,0096	m ²
Equivalent Cas air load	Vas	0,0023	m ³
Max linear excursion	Xmax	3,5	mm
Linear displacement volume	Vd	0,0336	10-3.m ³
Reference efficiency	h ⁰	0,9	%
Unity load volume	Vas.Qts ²	0,5	10-3.m ³

ABSOLUTE MAXIMUM RATINGS

Short term max. input voltage	Vmax	70	V
Max.excursion before damage	Xdam	±12	±mm
Lowest rec. X-over frequency	-		Hz
Ambient operating temperature	Ta	-10 to +50	°C
Storage temperature	-	-20 to +70	°C
Environmental withstanding	-	Outdoor+	-

APPLICATION INFORMATION

Air volume occupied by the driver	-	0,38	10-3.m ³
Speaker net mass	-	2,08	kg
Rec. 2 nd order passive X-over	C/L		mF/mH
Recommended reflex box	Vb/Fb	5L/110Hz	Lts/Hz
Electrical connexion			

