



phl audio

1300

6.5"

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DESCRIPTION

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MAIN PARAMETERS

Rated Impedance	8 Ohm
Power Handling Capacity	40-4000 Hz
Reference efficiency	(1W@1m) 91 dB SPL
SPL max (continuous)	100 W AES
Usable frequency range	107 dB SPL
Voice coil Ø	1,5 inch
Environmental withstanding	humidityproof

Very High Quality
Souding bass-midrange



1300

ARCHITECTURE

TYPICAL CHARACTERISTICS

Rated impedance	Z	8,00	W
Half space sensitivity (1W@1m)	-	91	dB SPL
Usable freq. range	-	40-4000	Hz
Power handling capacity (AES)	-	100	W
Max Sound Pressure Level	SPLmax	107	dB SPL
Coverage angle	a		°
Min. impedance modulus	Zmin	6.7@390	W@Hz
Voice-coil inductance @ 1kHz	Le ^{1k}	0,77	mH
Voice-coil inductance @ 10kHz	Le ^{10k}	0,33	mH
BL product	BL	10,5	N/A
Moving mass	Mms	0,017	kg

THIELE-SMALL PARAMETERS: TYPICAL (QC LIMITS)

Resonance frequency	Fs	45(±7)	Hz
DC Resistance	Re	6.1(±0.6)	W
Mechanical quality factor	Qms	4,4	1
Electrical quality factor	Qes	0,27	1
Total quality factor	Qts	0,25	1
Suspension compliance	Cms	750	10-6.m/N
Effective piston area	Sd	0,0143	m ²
Equivalent Cas air load	Vas	0,022	m ³
Max linear excursion	Xmax	3,5	mm
Linear displacement volume	Vd	0,05005	10-3.m ³
Reference efficiency	h ⁰	0,7	%
Unity load volume	Vas.Qts ²	1,3	10-3.m ³

ABSOLUTE MAXIMUM RATINGS

Short term max. input voltage	Vmax	60	V
Max.excursion before damage	Xdam	8	±mm
Lowest rec. X-over frequency	-		Hz
Ambient operating temperature	Ta	-10 to +50	°C
Storage temperature	-	-20 to +70	°C
Environmental withstanding		humidityproof	-

APPLICATION INFORMATION

Air volume occupied by the driver	-	0,5	10-3.m ³
Speaker net mass	-	2,15	kg
Rec. 2 nd order passive X-over	C/L		mF/mH
Recommended reflex box	Vb/Fb	15L/52Hz	Lts/Hz
Electrical connexion			

