



PHL Audio HP5261M

15 inches bass driver

Nominal Diameter	38 cm / 15 "
Rated Impedance	6 Ω
Reference efficiency (1W @ 1m)	97.5 dB SPL
Power Handling Capacity	500 W AES
SPL max (continuous)	120 dB SPL
Usable frequency range	40 - 2000 Hz
Speaker net mass	7.7 kg

Architecture highlights :

- Natural convection Intercooling System
- Both sides coated Curvilinear cone (Tropical withstanding)
- High compliance double half-roll fabric surround
- Ultra light injection molded basket



Motor architecture

Voice coil diameter	mm	77
Voice coil length	mm	20
Air gap height	mm	10

Typical characteristics

Rated impedance	Z	Ω	6
Half space sensitivity (1W@1m)	-	dB SPL	97.5
Usable freq. range	-	Hz	40 - 2000
Power handling capacity (AES)	-	W	500
Max Sound Pressure Level	SPL _{max}	dB SPL	120
Min. impedance modulus	Z _{min}	Ω @Hz	4.6@250
Voice-coil inductance @ 1kHz	Le _{1k}	mH	1.249
Voice-coil inductance @ 10kHz	Le _{10k}	mH	0.521
BL product	BL	N/A	20.6
Moving mass	Mms	kg	0.115

Thiele-Small parameters

Resonance frequency	Fs	Hz	40 (± 5)
DC Resistance	Re	Ω	4.2 (± 0.4)
Mechanical quality factor	Qms	1	3.61
Electrical quality factor	Qes	1	0.29
Total quality factor	Qts	1	0.27
Suspension compliance	Cms	10 ⁻⁶ .m/N	140
Effective piston area	Sd	m ²	0.0892
Equivalent Cas air load	Vas	m ³	0.1533
Max linear excursion	Xmax	mm	± 7.5
Linear displacement volume	Vd	10 ⁻³ .m ³	0.6690
Reference efficiency	η_0	%	3.3
Unity load volume	Vas.Qts ²	10 ⁻³ .m ³	10.8

Absolute maximum ratings

Short term max. input voltage	Vmax	V	110
Max.excursion before damage	Xdam	mm	14.0
Ambient operating temperature	Ta	°C	-10 to +50
Storage temperature		°C	-20 to +70
Environmental withstanding			tropical

Mounting information

Air volume occupied by the driver	10 ⁻³ .m ³	4.4
Speaker net mass	kg	7.7
Baffle cut-out diameter (front mounting)	mm	356.0
Bolt number & Metric diameter	-	8x M6
Bolt circle diameter	mm	370 & 388
Max overall dimension (on ears)	mm	406.5
Max overall dimension (out of ears)	mm	380.5
Flange height	mm	13.0
Max magnet diameter	mm	204.0
Max depth (front mounting)	mm	155.5
Recommended reflex box	Lts / Hz	65L / 46Hz
Electrical connection		Ø4 mm Push buttons

