



PHL Audio 5061M

15 inches bass driver

| | |
|--------------------------------|---------------------|
| Nominal Diameter | 38 cm / 15 " |
| Rated Impedance | 8 |
| Reference efficiency (1W @ 1m) | 98 dB SPL |
| Power Handling Capacity | 500 W AES |
| SPL max (continuous) | 121 dB SPL |
| Usable frequency range | 40 - 2000 Hz |
| Speaker net mass | 7.7 kg |

Architecture highlights :

- Natural convection Intercooling System
- Front side coated curvilinear cone
- High compliance double half-roll fabric surround
- Ultra light injection molded basket



| Motor architecture | | | |
|---------------------|----|----|--|
| Magnet material | - | Fe | |
| Voice coil diameter | mm | 77 | |
| Voice coil length | mm | 20 | |
| Air gap height | mm | 10 | |

| Typical characteristics | | | |
|--------------------------------|--------------------|--------------|-----------|
| Rated impedance | Z | Ω | 8 |
| Half space sensitivity (1W@1m) | - | dB SPL | 98.0 |
| Usable freq. range | - | Hz | 40 - 2000 |
| Power handling capacity (AES) | - | W | 500 |
| Max Sound Pressure Level | SPL _{max} | dB SPL | 121 |
| Min. impedance modulus | Z _{min} | Ω @Hz | 6.8@200 |
| Voice-coil inductance @ 1kHz | Le _{1k} | mH | 2.283 |
| Voice-coil inductance @ 10kHz | Le _{10k} | mH | 1.109 |
| BL product | BL | N/A | 23.7 |
| Moving mass | Mms | kg | 0.109 |

| Thiele-Small parameters | | | |
|----------------------------|----------------------|---------------------------|-------------------|
| Resonance frequency | Fs | Hz | 40 (± 6) |
| DC Resistance | Re | Ω | 5.6 (± 0.6) |
| Mechanical quality factor | Qms | 1 | 3.42 |
| Electrical quality factor | Qes | 1 | 0.27 |
| Total quality factor | Qts | 1 | 0.25 |
| Suspension compliance | Cms | 10^{-6} .m/N | 150 |
| Effective piston area | Sd | m ² | 0.0892 |
| Equivalent Cas air load | Vas | m ³ | 0.1618 |
| Max linear excursion | Xmax | mm | ± 6.0 |
| Linear displacement volume | Vd | 10^{-3} .m ³ | 0.5352 |
| Reference efficiency | η_0 | % | 3.7 |
| Unity load volume | Vas.Qts ² | 10^{-3} .m ³ | 10.4 |

| Absolute maximum ratings | | | |
|-------------------------------|------|--------------|---------------|
| Short term max. input voltage | Vmax | V | 125 |
| Max. excursion before damage | Xdam | mm | ± 14.0 |
| Ambient operating temperature | Ta | $^{\circ}$ C | -10 to +50 |
| Storage temperature | | $^{\circ}$ C | -20 to +70 |
| Environmental withstanding | | | humidityproof |

| Mounting information | | | |
|--|---------------------------|--|---------------------------------|
| Air volume occupied by the driver | 10^{-3} .m ³ | | 4.40 |
| 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 / 55Hz |
| Electrical connection | | | $\varnothing 4$ mm Push buttons |

