



B20

BASS - 20cm / 8"

| | | | | | | | | | |
|--------------|-------------|-------------|-------------|--|-------------|-------------|-------------|-------------|-------------|
| Speaker type | B201-8 | B201-16 | B201-4 | | B202-8 | B202-16 | B202-16 | B202-8 | B202-16 |
| Reference | 2000 | 2010 | 2100 | | 2400 | 2410 | 2411 | 2420 | 2430 |

TYPICAL CHARACTERISTICS

| | | | | | | | | | | | |
|--------------------------------|-------------------|--------|---------|----------|---------|--|-----------|----------|----------|---------|----------|
| Rated impedance | Z | Ω | 8 | 16 | 4 | | 8 | 16 | 16 | 8 | 16 |
| Half space sensitivity (1W@1m) | - | dB SPL | 93 | 93 | 93 | | 95 | 95 | 95 | 94 | 94 |
| Usable freq. range | - | Hz | 60-4000 | 60-4000 | 60-4000 | | 70-3000 | 70-3000 | 70-3000 | 70-3000 | 70-3000 |
| Power handling capacity (AES) | - | W | 120 | 120 | 120 | | 250 | 250 | 250 | 200 | 200 |
| Max Sound Pressure Level | SPLmax | dB SPL | 110 | 110 | 110 | | 115 | 115 | 115 | 113 | 113 |
| Min. impedance modulus | Zmin | Ω@Hz | 6.1@320 | 10.3@310 | 3.7@320 | | 5.6 @ 400 | 14.1@400 | 14.1@400 | 5.6@370 | 14,0@360 |
| Voice-coil inductance @ 1kHz | Le _{1k} | mH | 0,52 | 1,04 | 0,33 | | 0,94 | 2,48 | 2,48 | 0,85 | 2,27 |
| Voice-coil inductance @ 10kHz | Le _{10k} | mH | 0,3 | 0,5 | 0,13 | | 0,53 | 1,26 | 1,26 | 0,46 | 1,11 |
| BL product | BL | N/A | 9,50 | 12,00 | 8,10 | | 15,90 | 23,00 | 23,00 | 12,90 | 18,30 |
| Moving mass | Mms | kg | 0,019 | 0,019 | 0,019 | | 0,025 | 0,025 | 0,026 | 0,025 | 0,025 |

THIELE-SMALL PARAMETERS: TYPICAL (QC LIMITS)

| | | | | | | | | | | | |
|----------------------------------|----------------------|----------------------------------|-----------|-----------|-----------|--|-----------|------------|------------|-----------|------------|
| Resonance frequency | Fs | Hz | 65(±9) | 65 (±9) | 65 (±9) | | 72(±10) | 72(±10) | 72(±10) | 72(±10) | 72(±10) |
| DC Resistance | Re | Ω | 5.4(±0.6) | 9.1(±1.0) | 3.3(±0.4) | | 5.4(±0.6) | 11.6(±1.2) | 11.6(±1.2) | 5.4(±0.6) | 11,6(±1,2) |
| Mechanical quality factor | Qms | 1 | 5,0 | 5,0 | 5 | | 4,5 | 4,5 | 4,7 | 4,5 | 4,5 |
| Electrical quality factor | Qes | 1 | 0,45 | 0,48 | 0,39 | | 0,24 | 0,25 | 0,26 | 0,37 | 0,39 |
| Total quality factor | Qts | 1 | 0,42 | 0,44 | 0,37 | | 0,23 | 0,24 | 0,25 | 0,34 | 0,36 |
| Mechanical suspension compliance | Cms | 10 ⁻⁶ .m/N | 320 | 320 | 320 | | 200 | 200 | 190 | 200 | 200 |
| Effective piston area | Sd | m ² | 0,0219 | 0,0219 | 0,0219 | | 0,0219 | 0,0219 | 0,0219 | 0,0219 | 0,0219 |
| Equivalent Cas air load | Vas | m ³ | 0,0220 | 0,0220 | 0,0220 | | 0,0130 | 0,0130 | 0,0126 | 0,0130 | 0,0130 |
| Max linear excursion | Xmax | ±mm | 5,0 | 5,0 | 4,0 | | 4,0 | 4,0 | 4,0 | 5,0 | 5,0 |
| Linear displacement volume | Vd | 10 ⁻³ .m ³ | 0,110 | 0,110 | 0,088 | | 0,088 | 0,088 | 0,088 | 0,110 | 0,110 |
| Reference efficiency | η ₀ | % | 1,3 | 1,2 | 1,5 | | 1,9 | 1,9 | 1,8 | 1,3 | 1,2 |
| Unity load volume | Vas.Qts ² | 10 ⁻³ .m ³ | 3,8 | 4,2 | 2,8 | | 0,7 | 0,7 | 0,8 | 1,5 | 1,7 |

ABSOLUTE MAXIMUM RATINGS

| | | | | | | | | | | | |
|-------------------------------|------|-----|------------|------------|------------|--|------------|------------|------------|------------|------------|
| Short term max. input voltage | Vmax | V | 65 | 85 | 50 | | 90 | 125 | 125 | 80 | 110 |
| Max.excursion before damage | Xdam | ±mm | 10 | 10 | 10 | | 10 | 10 | 10 | 10 | 10 |
| Ambient operating temperature | Ta | °C | -10 to +50 | -10 to +50 | -10 to +50 | | -10 to +50 | -10 to +50 | -10 to +50 | -10 to +50 | -10 to +50 |
| Storage temperature | - | °C | -20 to +70 | -20 to +70 | -20 to +70 | | -20 to +70 | -20 to +70 | -20 to +70 | -20 to +70 | -20 to +70 |
| Environemental withstanding * | - | - | Outdoor | Outdoor | Outdoor | | Outdoor | Outdoor | Outdoor + | Outdoor | Outdoor |

APPLICATION INFORMATION

| | | | | | | | | | | | |
|-----------------------------------|-------|----------------------------------|------------|----------|----------|--|------------|------------|------------|------------|------------|
| Air volume occupied by the driver | - | 10 ⁻³ .m ³ | 0,61 | 0,61 | 0,61 | | 0,98 | 0,98 | 0,98 | 0,72 | 0,72 |
| Speaker net mass | | kg | 2,500 | 2,500 | 2,500 | | 4,480 | 4,480 | 4,480 | 3,020 | 3,020 |
| Recommended reflex box | Vb/Fb | Lts/Hz | 20L / 65Hz | 20L/65Hz | 20L/65Hz | | 10L / 80Hz | 10L / 80Hz | 10L / 80Hz | 15L / 70Hz | 15L / 70Hz |

* Our products are classified in three categories : **Indoor**, **Outdoor**, and **Outdoor +** for permanent outdoor use or severe conditions.

upgrade : 20/01/2003

These specifications are representative of current production after packaging. Because of our continuous research they are subject to change without notice.