

PROFESSIONAL SERIES

IMPERO™ 18A

High power driver recommended for pro audio in vented enclosures. Suited for full-range three-way boxes, bass guitar boxes, and small subwoofers.

- 2400 W Program Power
- 18" Nominal Diameter
- 8 Ω

| APPLICATION | | ENCLOSURE | |
|-------------|-------------------------------------|---------------|-------------------------------------|
| Midrange | <input type="checkbox"/> | Sealed Box | <input type="checkbox"/> |
| Midbass | <input type="checkbox"/> | Vented Box | <input checked="" type="checkbox"/> |
| Woofer | <input type="checkbox"/> | Scoop Loading | <input checked="" type="checkbox"/> |
| Subwoofer | <input checked="" type="checkbox"/> | Horn Loading | <input checked="" type="checkbox"/> |
| Bass Guitar | <input checked="" type="checkbox"/> | | |



SPECIFICATION

| | |
|-------------------------|-----------------|
| Nominal Basket Diameter | 18", 457 mm |
| Nominal Impedance* | 8 or 4 Ω |
| Power Rating* | |
| Program Power | 2400 W |
| Nominal Power | 1200 W |
| Resonance | 33 Hz |
| Usable Frequency Range | 39 Hz – 0.8 kHz |
| Sensitivity* | 95.9 dB |
| Magnet Weight | 109 oz. |
| Gap Height | 0.5", 12.7 mm |
| Voice Coil Diameter | 4", 102 mm |

THIELE & SMALL PARAMETERS

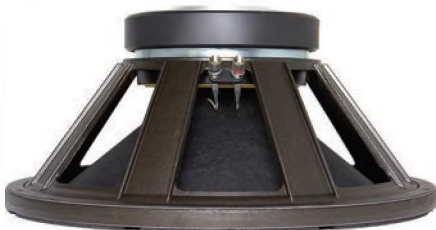
| | |
|------|----------------------------|
| Fs | 33 Hz |
| Re | 5.41 Ω |
| Le | 1.47 mH |
| Qms | 14.02 |
| Qes | 0.44 |
| Qts | 0.43 |
| Vas | 11.2 cu.ft., 317.02 liters |
| Vd | 927.2 cc |
| Cms | 0.17 mm/N |
| BL | 18.9 T-M |
| Mms | 140 grams |
| EBP | 75 |
| Xmax | 8 mm |
| Sd | 1159 cm ² |
| Xlim | 20.2 mm |

MOUNTING INFORMATION

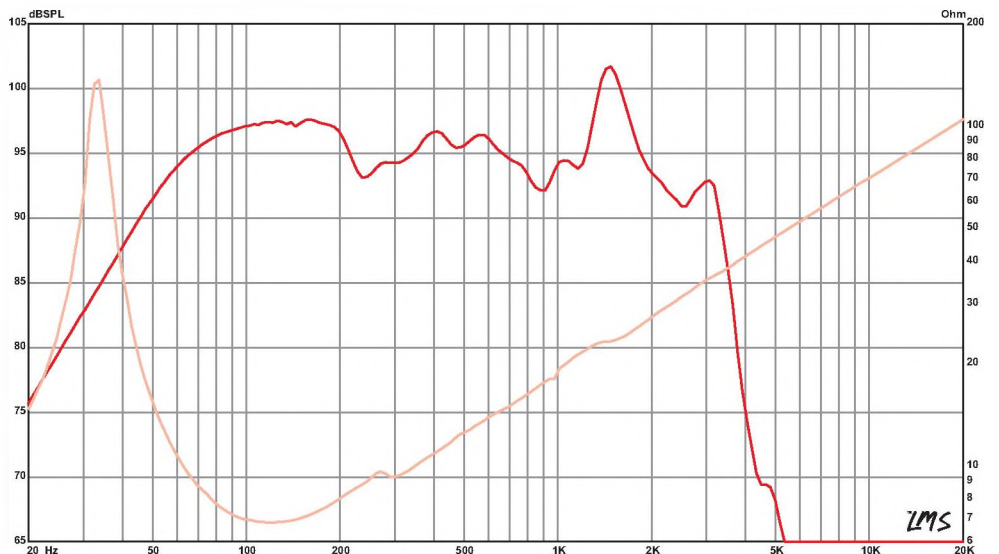
| | |
|------------------------------|---------------------------------------|
| Recommended Enclosure Volume | |
| Sealed | N/A |
| Vented | 113.27–277.51 liters, 4–9.8 cu.ft. |
| Driver Volume Displaced | 0.237 cu.ft., 6.7 liters |
| Overall Diameter | 18", 457.2 mm |
| Baffle Hole Diameter | 16.56", 420.6 mm |
| Front Sealing Gasket | Yes |
| Rear Sealing Gasket | Yes |
| Mounting Holes Diameter | 0.28", 7.1 mm |
| Mounting Holes B.C.D. | 17.25", 438.2 mm |
| Depth | 8.31", 211.1 mm |
| Net Weight | 27.3 lbs., 12.38 kg |
| Shipping Weight | 30.8 lbs., 13.97 kg |

MATERIALS OF CONSTRUCTION

- Copper voice coil
- Fiberglass former
- Ferrite magnet
- Bumped Vented Extended core
- Die-cast aluminum basket
- Water resistant paper cone
- Treated cloth cone edge
- Water resistant treated paper dust cap



FREQUENCY RESPONSE & IMPEDANCE CURVE*



* See footnotes on page 155 for information regarding usable frequency range, nominal impedance, power rating and sensitivity.