

18IPAL 2 Ω**Subwoofer**

- 3400 W continuous program power capacity
- 116 mm (4.5 in) aluminium voice coil
- 32 - 1000 Hz response
- 97 dB sensitivity
- Double silicone spider with optimized compliance
- Ventilated voice coil gap for reduced power compression
- Aluminium demodulating ring for very low distortion

When used with the Powersoft IPAL power amp modules, the 18IPAL can provide extreme output in a very small, dependable package. For more information, visit the [Powersoft Website](#).



18IPAL 2 Ω
Subwoofer
SPECIFICATIONS

| | |
|---|----------------------------------|
| Nominal Diameter | 460 mm (18 in) |
| Nominal Impedance | 2 Ω |
| Minimum Impedance | 2.1 Ω |
| Nominal Power Handling | 1700 W |
| 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air. | |
| Continuous Power Handling | 3400 W |
| Power on Continuous Program is defined as 3 dB greater than the Nominal rating. | |
| Sensitivity | 97 dB |
| Applied RMS Voltage is set to 1.42 V for 2 ohms Nominal Impedance. | |
| Frequency Range | 32 Hz - 1000 Hz |
| Voice Coil Diameter | 116 mm (4.5 in) |
| Winding Material | Aluminium |
| Former Material | Glass Fibre |
| Winding Depth | 44 mm (1.7 in) |
| Magnetic Gap Depth | 12 mm (0.47 in) |
| Flux Density | 1.5 T |
| Woofer Cone Treatment | TWP Waterproof Both Sides |

PARAMETERS

Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.

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|------------------|---|
| Fs | 32 Hz |
| Re | 1.3 Ω |
| Qes | 0.14 |
| Qms | 4.2 |
| Qts | 0.14 |
| Vas | 164 dm³ (5.8 ft³) |
| Sd | 1210 cm² (187.6 in²) |
| η ₀ | 3.3 % |
| X _{max} | 20 mm |
| X _{var} | 15 mm |
| M _{ms} | 330 g |
| Bl | 24.5 Tm |
| Le | 0.65 mH |
| EBP | 229 Hz |

DESIGN

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|-----------------------|--|
| Surround Shape | Triple Roll |
| Cone Shape | Radial |
| Magnet Material | Neodymium Inside Slug |
| Spider | Double Silicone |
| Pole Design | T-Pole |
| Woofer Cone Treatment | TWP Waterproof Both Sides |
| Recommended Enclosure | 150 dm³ (5.3 ft³) |
| Recommended Tuning | 35 Hz |

MOUNTING AND SHIPPING INFO

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|-------------------------------|--|
| Overall Diameter | 460 mm (18 in) |
| Bolt Circle Diameter | 443 mm (17.44 in) |
| Baffle Cutout Diameter | 425 mm (16.73 in) |
| Depth | 261 mm (10.28 in) |
| Flange and Gasket Thickness | 16 mm (0.63 in) |
| Air Volume Occupied by Driver | 10.5 dm³ (0.37 ft³) |
| Net Weight | 15.35 kg (33.84 lb) |
| Shipping Units | 1 pcs |
| Shipping Weight | 17.65 kg (38.91 lb) |
| Shipping Box | 570x570x320 mm (22.44x22.44x12.60 in) |

SERVICE KITS

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|----------------|-------------------|
| LF recone-kits | RCK18IPALM |
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