

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.

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

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

Overall Diameter	460 mm (18 in)
Bolt Circle Diameter	443 mm (17.44 in)
Baffle Cutout Diameter	422 mm (16.61 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

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



