

# 18IPAL

## ND SUBWOOFER



**3400 W**  
continuous program  
power capacity

**116 mm (4.5 in)**  
split winding  
aluminium voice coil

Neodymium magnet  
allows a very high force  
factor and linear  
excursion

Ventilated voice coil  
gap for reduced power  
compression

Available to oem  
manufacturers only

**97 dB**  
sensitivity

**32 - 1000 Hz**  
response

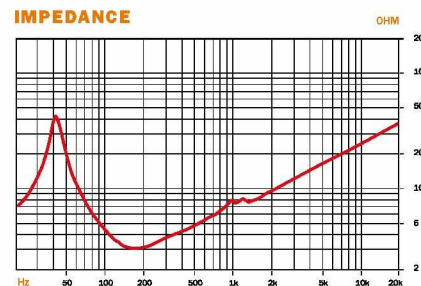
**80 mm**  
peak-to-peak excursion  
before damage



### SENSITIVITY



### IMPEDANCE



### SPECIFICATIONS

Nominal Diameter	460 mm (18 in)
Nominal Impedance	2 Ω
Minimum Impedance	2.1 Ω
Power Handling	
Nominal (AES) <sup>1</sup>	1700 W
Continuous Program <sup>2</sup>	3400 W
Sensitivity (1W/1m) <sup>3</sup>	97 dB
Frequency Range	32 - 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
Magnet Material	Neodymium Inside Slug
Waterproof Cone Treatment	Both Sides

### THIELE & SMALL PARAMETERS<sup>4</sup>

Fs	32 Hz
Re	1.3 Ω
Qes	0.14
Qms	4.2
Qts	0.14
Vas	164 dm <sup>3</sup> (5.8 ft <sup>3</sup> )
Sd	1210 cm <sup>2</sup> (187.6 in <sup>2</sup> )
η <sub>0</sub>	3.3 %
X max	± 20.0 mm
X var	± 15 mm
Mms	330 g
Bl	24.5 T·m
Le	0.65 mH
EBP	228 Hz

### MOUNTING AND SHIPPING INFORMATION

Overall Diameter	460 mm (18.0 in)
Bolt Circle Diameter	443 mm (17.4 in)
Baffle Cutout Diameter	422 mm (16.6 in)
Depth	261 mm (10.28 in)
Flange and Gasket Thickness	16 mm (0.63 in)
Air volume occupied by driver	10.5 dm <sup>3</sup> (0.37 ft <sup>3</sup> )
Net Weight	16.6 kg (36.6 lb)
Shipping Weight	18.9 kg (41.67 lb)
Shipping Box	570x570x320 mm (22.44x22.44x12.60 in)

Service kit **RCK18IPALM**

<sup>1</sup> Two hour test made with continuous pink noise signal (6 dB crest factor) within the specified range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.

<sup>2</sup> Power on Continuous Program is defined as 3 dB greater than the Nominal rating.

<sup>3</sup> Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.

Average SPL from 100 to 1000 Hz.

<sup>4</sup> Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.