

21IPAL

LF Drivers - 21.0 Inches

5000 W continuous program power capacity
 153 mm (6 in) split winding aluminium voice coil
 37 - 1000 Hz response
 99 dB sensitivity
 Neodymium magnet allows a very high force factor and linear excursion
 Double silicone spider with optimized compliance
 80 mm peak-to-peak excursion before damage
 Ventilated voice coil gap for reduced power compression
 AVAILABLE TO OEM MANUFACTURERS ONLY



Specifications

Nominal diameter	530 mm (21.0 in)
Nominal impedance	1 Ω
Minimum impedance	1.1 Ω
Nominal power handling ¹	2500 W
Continuous power handling ²	5000 W
Sensitivity (1W/1m) ³	99.0 dB
Frequency range	37 - 1000 Hz
Voice coil diameter	153 mm (6.0 in)
Winding material	Aluminium
Former material	Glass Fibre
Winding depth	48 mm (1.9 in)
Magnetic gap depth	18 mm (0.7 in)
Flux density	1.35 T

Design

Surround shape	Triple Roll
Cone shape	Radial
Magnet material	Neodymium Inside Slug

Design

Spider	Double Silicone
Pole design	T-Pole
Woofer cone treatment	TWP Waterproof Both Sides
Recommended enclosure	190.0 dm ³ (6.71 ft ³)
Recommended tuning	33 Hz

Parameters⁴

Fs	37 Hz
Re	0.7 Ω
Qes	0.22
Qms	4.9
Qts	0.21
Vas	155.0 dm ³ (5.47 ft ³)
Sd	1680.0 cm ² (260.4 in ²)
η_0	3.2 %
Xmax	22.0 mm
Xvar	15.0 mm
Mms	487 g
Bl	19.1 Txm

Parameters

Le	0.5 mH
EBP	168 Hz

Mounting And Shipping Info

Overall diameter	547 mm (21.5 in)
Bolt circle diameter	527 mm (20.7 in)
Baffle cutout diameter	508.0 mm (20.0 in)
Depth	270 mm (10.6 in)
Flange and gasket thickness	16 mm (0.63 in)
Air volume occupied by driver	16.0 dm ³ (0.56 ft ³)
Net weight	22.0 kg (48.5 lb)
Shipping units	1
Shipping weight	24.5 kg (54.0 lb)
Shipping box	590x590x300 mm (23.2x23.2x11.8 in)

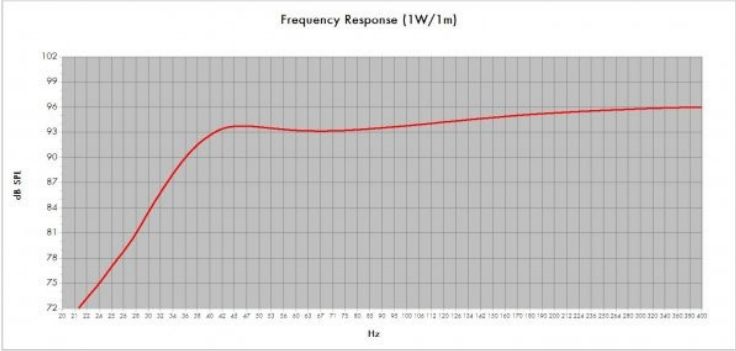
Service Kit

RCK21IPAL

rated minimum impedance. Loudspeaker in free air.

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

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



Model:	211PAI	Configuration:	One Driver
Enclosure Type:	Bass Reflex		
Internal Net Volume (liters):	200	GB:	4
Tuning Frequency (Hz):	40	Port Area (cm²):	482,8
Frequency (-3 dB) (Hz):	42,1	Port Length (cm):	23,7