

21IPAL

LF Drivers Neo - 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	2500 W
Continuous power handling	5000 W
Sensitivity (1W/1m)	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

Parameters

Fs	37 Hz
Re	1 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 %
Xmas	22.0 mm
Xvar	15.0 mm
Mms	487 g
Bl	19.1 Txm

Parameters

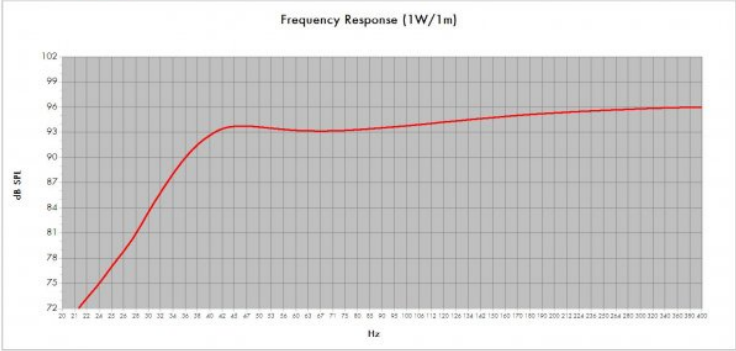
Le	0.5 mH
Ebp	168 Hz

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)

Other

Service kit	RCK21IPAL
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Model:	211PAI	Configuration:	One Driver
Enclosure Type:	Bass Reflex		
Internal Net Volume (liters):	200	Q _{ts} :	4
Tuning Frequency (Hz):	40	Port Area (cm ²):	482,8
Frequency (-3 dB) (Hz):	42,1	Port Length (cm):	23,7