

## 21IPAL LF Drivers - 21 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.**



### Specification

Nominal Diameter	530 mm (21 in)
Nominal Impedance	1 ohm
Minimum Impedance	1.1 ohm
Continuous Power Handling	5000 W
Nominal Power Handling (AES)	2500 W
Sensitivity (1W/1m)	99 dB
Frequency Range	37 - 1000 Hz
Voice Coil Diameter	153 mm (6 in)
Winding Material	Aluminium
Former Material	Glass Fibre
Magnet Material	Neodymium Ring
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 Type	Neodymium Ring
Spider	Double Silicone

### Design

Pole Design	T-Pole
Woofer Cone Treatment	TWP Waterproof Both Sides
Recommended Enclosure volume	190 dm <sup>3</sup> (6.71 ft <sup>3</sup> )
Recommended tuning frequency	33 Hz

### Parameters

Fs	37 Hz
Re	0.7 ohm
Qes	0.22
Qms	4.9
Qts	0.21
Vas	155 dm <sup>3</sup> (5.47 ft <sup>3</sup> )
Sd	1680 cm <sup>2</sup> (260.4 in <sup>2</sup> )
EtaZero	3.2 %
Xmax	+/- 22 mm
Xvar	+/- 15 mm
Mms	487 g
Bl	19.1 Txm

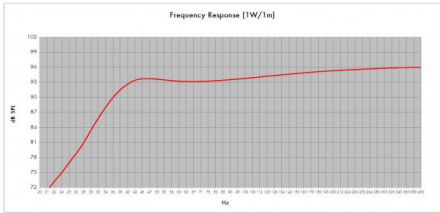
### Parameters

Le	0.5 mH
EBP	168 Hz

### Mounting & Shipping

Overall Diameter	547 mm (21.5 in)
Bolt Circle Diameter	527 mm (20.7 in)
Baffle Cutout Diameter	508 mm (20 in)
Depth	270 mm (10.6 in)
Flange and Gasket Thickness	16 mm (0.63 in)
Air volume occupied by driver	16 dm <sup>3</sup> (0.56 ft <sup>3</sup> )
Net Weight	22 kg (48.5 lb)
Shipping Weight	24.5 kg (54 lb)
Shipping Box	590x590x300 mm (23.2x23.2x11.8 in)

Service kit	TBA
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Model: 219FL Configuration: One Driver  
Enclosure Type: Bass Reflex  
Internal Net Volume (liters): 300 GR: 4  
Tuning Frequency (Hz): 45 Port Area (cm<sup>2</sup>): 482.8  
Frequency (-3 dB) (Hz): 42.1 Port Length (cm): 23.7