

# 10CL51

## LF Drivers Neo - 10.0 Inches

300 W continuous program power capacity  
 51 mm (2 in) aluminium voice coil  
 60 - 4000 Hz response  
 96 dB sensitivity



### Specifications

Nominal diameter	250 mm (10.0 in)
Nominal impedance	8 Ω
Minimum impedance	6.0 Ω
Nominal power handling	150 W
Continuous power handling	300 W
Sensitivity (1W/1m)	96.0 dB
Frequency range	60 - 4000 Hz
Voice coil diameter	51 mm (2.0 in)
Winding material	Aluminium
Former material	Glass Fibre
Winding depth	17 mm (0.65 in)
Magnetic gap depth	8 mm (0.31 in)
Flux density	1.05 T

### Design

Surround shape	Double Roll
Cone shape	Exponential
Magnet material	Neodymium Inside Slug

### Design

Spider	Single
Pole design	Straight Pole
Woofers cone treatment	None
Recommended enclosure	32.0 dm <sup>3</sup> (1.13 ft <sup>3</sup> )
Recommended tuning	56 Hz

### Parameters

Fs	60 Hz
Re	5 Ω
Qes	0.44
Qms	3.8
Qts	0.39
Vas	31.0 dm <sup>3</sup> (1.1 ft <sup>3</sup> )
Sd	320.0 cm <sup>2</sup> (49.1 in <sup>2</sup> )
η <sub>o</sub>	1.55 %
Xmax	6.0 mm
Xvar	6.0 mm
Mms	32 g
Bl	12.0 Txm

### Parameters

Le	0.8 mH
Ebp	136 Hz

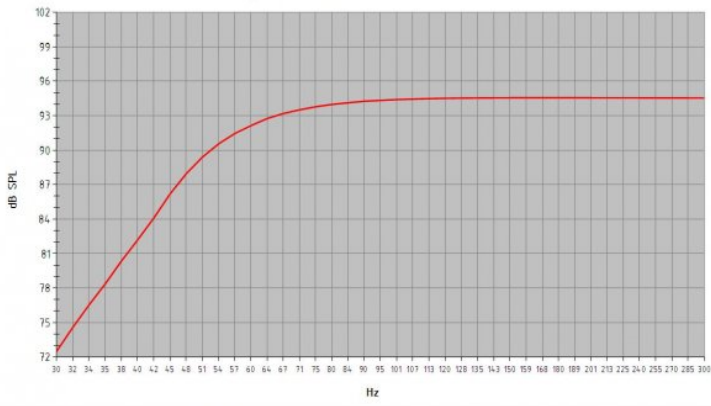
### Mounting And Shipping Info

Overall diameter	257 mm (10.1 in)
Bolt circle diameter	246 mm (9.7 in)
Baffle cutout diameter	232.0 mm (9.1 in)
Depth	108 mm (4.25 in)
Flange and gasket thickness	7 mm (0.28 in)
Air volume occupied by driver	1.0 dm <sup>3</sup> (0.03 ft <sup>3</sup> )
Net weight	1.2 kg (2.6 lb)
Shipping weight	1.8 kg (4.0 lb)
Shipping box	320x320x160 mm (12x12x6.3 in)

### Other

Service kit	RCK10CL518
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Frequency Response (2,83 Vrms/1 m)



Model: **10 CL 51**  
 Enclosure Type: **Bass Reflex**

Internal Net Volume (Liters): **32**  
 Tuning Frequency (Hz): **56** Port Area (cm<sup>2</sup>): **69,4**  
 Frequency (-3 dB) (Hz): **57,3** Port Length (cm): **12,6**

Excursion Limited Maximum SPL at 1 meter (dB): **113,2** equal to **99,0** Watts (Bass Band Power Rating)  
 Thermal Limited Maximum SPL at 1 meter (dB): **115,0** equal to **150,0** Watts (Mid Band Power Rating)