



# 15PL100

## LF Drivers - 15.0 Inches

1400 W continuous program power capacity  
 100 mm (4 in) copper voice coil  
 35 - 2000 Hz response  
 97 dB sensitivity  
 Double silicone spider with optimized compliance



### Specifications

Nominal diameter	380 mm (15.0 in)
Nominal impedance	8 Ω
Minimum impedance	6.8 Ω
Nominal power handling <sup>1</sup>	700 W
Continuous power handling <sup>2</sup>	1400 W
Sensitivity (1W/1m) <sup>3</sup>	97.0 dB
Frequency range	35 - 2000 Hz
Voice coil diameter	100 mm (4.0 in)
Winding material	Copper
Former material	Glass Fibre
Winding depth	21 mm (0.83 in)
Magnetic gap depth	11 mm (0.4 in)
Flux density	1.15 T

### Design

Surround shape	Triple Roll
Cone shape	Exponential
Spider	Double Silicone

### Design

Pole design	T-Pole
Recommended enclosure	80.0 dm <sup>3</sup> (2.83 ft <sup>3</sup> )
Recommended tuning	50 Hz

### Parameters<sup>4</sup>

Fs	37 Hz
Re	5.0 Ω
Qes	0.21
Qms	6.6
Qts	0.2
Vas	154.0 dm <sup>3</sup> (5.4 ft <sup>3</sup> )
Sd	855.0 cm <sup>2</sup> (132.5 in <sup>2</sup> )
η <sub>o</sub>	3.6 %
Xmax	7.0 mm
Xvar	7.0 mm
Mms	121 g
Bl	26.8 Txm
Le	1.7 mH
EBP	176 Hz

### Mounting And Shipping Info

Overall diameter	393 mm (15.5 in)
Bolt circle diameter	374 mm (14.7 in)
Baffle cutout diameter	354.0 mm (13.9 in)
Depth	173 mm (6.8 in)
Flange and gasket thickness	16 mm (0.62 in)
Air volume occupied by driver	0.0 dm <sup>3</sup> (0.0 ft <sup>3</sup> )
Net weight	11.9 kg (26.2 lb)
Shipping weight	13.2 kg (29.0 lb)
Shipping box	420x420x200 mm (16.5x16.5x7.9 in)

### Service Kit

RCK15PL1008

1. 2 hours test made with continuous pink noise signal (6 dB crest factor) within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.  
 2. Power on Continuous Program is defined as 3 dB greater than the Nominal rating.

3. Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.  
 4. Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.