

# 15CL76

## LF Drivers - 15.0 Inches

- 800 W continuous program power capacity
- 76 mm (3 in) copper voice coil
- 40 - 3000 Hz response
- 98.5 dB sensitivity
- Ventilated voice coil gap for reduced power compression



## Specifications

Nominal diameter	380 mm (15.0 in)
Nominal impedance	8 Ω
Minimum impedance	6.3 Ω
Nominal power handling <sup>1</sup>	400 W
Continuous power handling <sup>2</sup>	800 W
Sensitivity (1W/1m) <sup>3</sup>	98.5 dB
Frequency range	40 - 3000 Hz
Voice coil diameter	76 mm (3.0 in)
Winding material	Copper
Former material	Glass Fibre
Winding depth	19 mm (0.75 in)
Magnetic gap depth	11 mm (0.43 in)
Flux density	1.15 T

## Design

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

## Design

Spider	Single
Pole design	Straight Pole
Woofer cone treatment	WP Waterproof Front Side
Recommended enclosure	100.0 dm <sup>3</sup> (3.53 ft <sup>3</sup> )
Recommended tuning	47 Hz

## Parameters<sup>4</sup>

Fs	42 Hz
Re	5.1 Ω
Qes	0.34
Qms	7.9
Qts	0.33
Vas	135.0 dm <sup>3</sup> (4.8 ft <sup>3</sup> )
Sd	855.0 cm <sup>2</sup> (132.5 in <sup>2</sup> )
η <sub>o</sub>	2.9 %
X <sub>max</sub>	7.0 mm
X <sub>var</sub>	8.5 mm
M <sub>ms</sub>	108 g
Bl	21.0 Txm

## Parameters

Le	1.3 mH
EBP	123 Hz

## Mounting And Shipping Info

Overall diameter	389 mm (15.31 in)
Bolt circle diameter	374 mm (14.72 in)
Baffle cutout diameter	353.0 mm (13.9 in)
Depth	171 mm (6.73 in)
Flange and gasket thickness	11 mm (0.43 in)
Air volume occupied by driver	4.4 dm <sup>3</sup> (0.15 ft <sup>3</sup> )
Net weight	3.2 kg (7.0 lb)
Shipping weight	3.7 kg (8.1 lb)
Shipping box	340x340x170 mm (13.4x13.4x6.7 in)

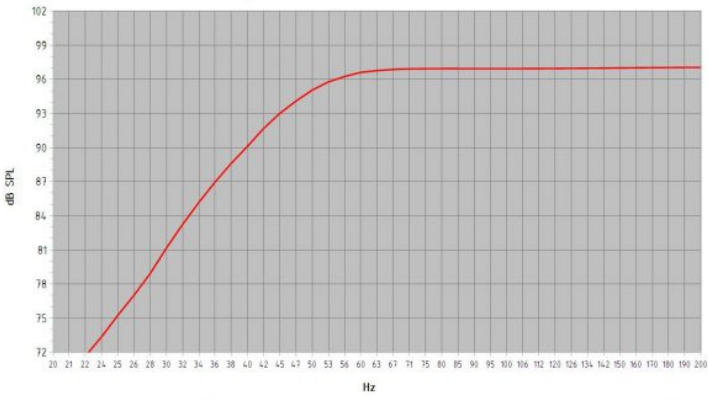
## Service Kit

RCK15CL768

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.

Frequency Response (2,83 Vrms/1 m)



Model: **15 CL 76**  
 Enclosure Type: **Bass Reflex**  
 Internal Net Volume (Liters): **100**  
 Tuning Frequency (Hz): **47** Port Area (cm<sup>2</sup>): **222.3**  
 Frequency (-3 dB) (Hz): **47.4** Port Length (cm): **15.5**  
 Excursion Limited Maximum SPL at 1 meter (dB): **121.5** equal to **343.8** Watts (Bass Band Power Rating)  
 Thermal Limited Maximum SPL at 1 meter (dB): **122.1** equal to **400.0** Watts (Mid Band Power Rating)