



# 6PS38

## LF Drivers - 6.5 Inches

300W continuous power capacity  
38 mm (1.5 in) aluminium voice coil  
70 - 5000 Hz frequency response  
94 dB sensitivity



## Specifications

Nominal diameter	170 mm (6.69 in)
Nominal impedance	8 Ω
Minimum impedance	6.6 Ω
Nominal power handling <sup>1</sup>	150 W
Continuous power handling <sup>2</sup>	300 W
Sensitivity (1W/1m) <sup>3</sup>	94.0 dB
Frequency range	70 - 5000 Hz
Voice coil diameter	38 mm (1.5 in)
Winding material	Aluminium
Former material	Glass Fibre
Winding depth	12 mm (0.49 in)
Magnetic gap depth	6 mm (0.24 in)
Flux density	1.4 T

## Design

Surround shape	Roll
Cone shape	Radial
Magnet material	Ferrite Ring

## Design

Spider	Single
Pole design	Straight Pole
Woofer cone treatment	WP Waterproof Front Side
Recommended enclosure	9.0 dm <sup>3</sup> (0.32 ft <sup>3</sup> )
Recommended tuning	80 Hz

## Parameters<sup>4</sup>

Fs	75 Hz
Re	5.4 Ω
Qes	0.31
Qms	11.7
Qts	0.3
Vas	8.0 dm <sup>3</sup> (0.28 ft <sup>3</sup> )
Sd	132.0 cm <sup>2</sup> (20.46 in <sup>2</sup> )
η <sub>o</sub>	1.0 %
X <sub>max</sub>	6.0 mm
X <sub>var</sub>	7.5 mm
M <sub>ms</sub>	14 g
Bl	10.8 Txm

## Parameters

Le	0.6 mH
EBP	241 Hz

## Mounting And Shipping Info

Overall diameter	187 mm (7.36 in)
Bolt circle diameter	172 mm (6.77 in)
Baffle cutout diameter	145.0 mm (5.71 in)
Depth	82 mm (3.23 in)
Flange and gasket thickness	9 mm (0.35 in)
Air volume occupied by driver	0.8 dm <sup>3</sup> (0.03 ft <sup>3</sup> )
Net weight	2.2 kg (4.85 lb)
Shipping units	4
Shipping weight	10.1 kg (22.27 lb)
Shipping box	405x225x210 mm (15.94x8.86x8.27 in)

## Service Kit

RCK06PS388

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.