

# 6PS38

## FE WOOFER



**300 W**  
continuous program  
power capacity

**38 mm (1.5 in)**  
aluminium voice coil

**94 dB**  
sensitivity

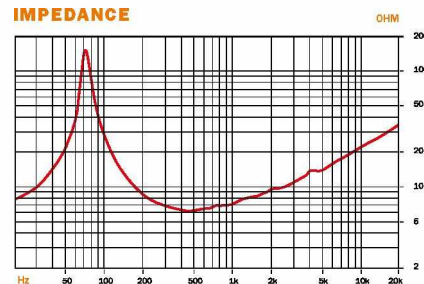
**70 - 5000 Hz**  
response



**SENSITIVITY**



**IMPEDANCE**



### SPECIFICATIONS

Nominal Diameter	170 mm (6.5 in)
Nominal Impedance	8 Ω
Minimum Impedance	6.6 Ω
Power Handling	
Nominal (AES) <sup>1</sup>	150 W
Continuous Program <sup>2</sup>	300 W
Sensitivity (1W/1m) <sup>3</sup>	94 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
Magnet Material	Ferrite Ring
Waterproof Cone Treatment	Front Side

### THIELE & SMALL PARAMETERS<sup>4</sup>

Fs	75 Hz
Re	5.4 Ω
Qes	0.31
Qms	11.7
Qts	0.3
Vas	8 dm <sup>3</sup> (0.28 ft <sup>3</sup> )
Sd	132 cm <sup>2</sup> (20.46 in <sup>2</sup> )
η <sub>0</sub>	1%
X max	± 6 mm
X var	± 7.5 mm
Mms	14 g
Bl	10.8 T·m
Le	0.6 mH
EBP	241 Hz

### MOUNTING AND SHIPPING INFORMATION

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 Weight	2.45 kg (5.4 lb)
Shipping Box	210x210x125 mm (8.27x8.27x4.92 in)

Service kit **RCK06PS388**

Also available in 4 and 16 Ω, data upon request

<sup>1</sup> Two hour test made with continuous pink noise signal (6 dB crest factor) within the specified range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.

<sup>2</sup> Power on Continuous Program is defined as 3 dB greater than the Nominal rating.

<sup>3</sup> Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.

<sup>4</sup> Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.