



Article number

151029

# Scanspeak 18W/8545K

7" Woofer

2002-11-14

**Thiele Small parameters:**

Voice coil resistance	Rdc	5.5
Voice coil inductance	Le	0.4 mH
Linear excursion	Xma	6.5 +/- mm
Impedance	Z	8 Ohm
Free air resonance	Fs	28 Hz
Suspension compliance	Cms	mm/N
Moving mass	Mms	20.5 g
Mechanical resistance	Rms	0.7 kg/s
Mechanical Q factor	Qms	5.2
Electrical Q factor	Qes	0.30
Total Q factor	Qts	0.28
Force factor	Bl	8.2 N/A
Equivalent volume	Vas	48 ltrs
Sensitivity	SPL	87.5 dB
Frequency range		28-3000 Hz
Cone area	Sd	145 cm <sup>2</sup>
Cone displacement	Vd	189 cm <sup>3</sup>

**Dimension:**

Outher diameter	177 mm
Mounting cutout	157 mm
Mounting dept	70 mm

**Magnet, Cone and Voice Coil parameters:**

Total weight	2.4 kg
Frame material	
Cone material	
Surround material	
Surround type	
Magnet mass	Oz
Magnet diameter	mm
Magnet flux density	Gauss
Air gap height	6 mm
Spider	
Voice coil former material	
Voice coil wire material	
Number of voice coil layers	st
Voice coil diameter	42 mm
Voice coil winding height	19 mm
Vented voice coil	

**Power handling:**

Power handling IEC	100 Watt
Power handling DIN	Watt
Power handling RMS	Watt
Power handling MAX	Watt

**Recommended enclosure:**

Net volume	Number of ports	Port diameter	Port length	Tuning Freq. Fb	- 6 dB