



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 cm2
Cone displacement	Vd	189 cm3

Dimension:

Outer 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