

Illuminator
6½"
Mid/woofer



Type Number: 18WU/8747T00

Features:

The Illuminator woofers are based on compact under-hung motor systems with large neodymium ring magnets. The patent pending motor offers a very long linear excursion together with a very high force factor. The top plate is shaped to "guide" the backside airflow around the motor and with the very open cast aluminum chassis design the driver is virtually free from compression.

This version features alu-cone.

Driver Highlights: Neo magnet, Under hung motor system, exceptionally long linear stroke, Black Anodized Aluminium Cone

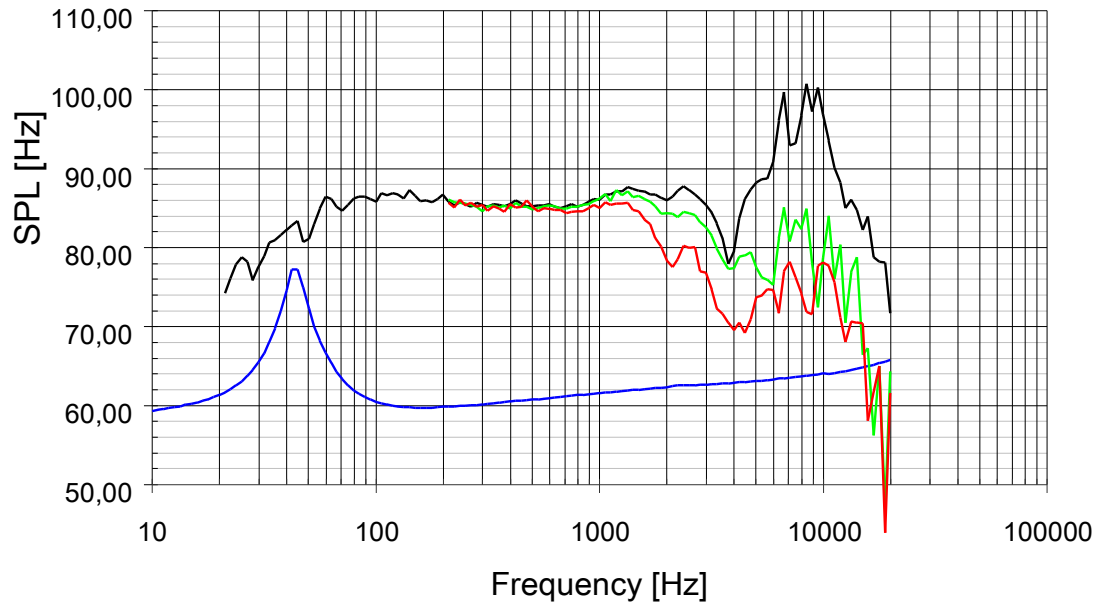


Specs:

Electrical Data				Power Handling			
Nominal impedance	Zn	8	ohm	100h RMS noise test (IEC)	80,0	W	
Minimum impedance	Zmin	7,7 / 158	ohm	Long-term Max Power (IEC18.3)	150,0	W	
Maximum impedance	Zo	58,3	ohm	Max linear SPL (rms) @ power		dB/W	
DC resistance	Re	5,9	ohm	Short-term Max Power (IEC18.2)		W	
Voice coil inductance	Le	0,41	mH				
T-S Parameters				Voice Coil and Magnet Parametres			
Resonance Frequency	fs	32,9	Hz	Voice coil diameter	42,0	mm	
Mechanical Q factor	Qms	3,31		Voice coil height	8,0	mm	
Electrical Q factor	Qes	0,35		Voice coil layers	4		
Total Q factor	Qts	0,31		Height of gap	20,0	mm	
Force factor	Bl	7,5	Tm	Linear excursion +/-	9,0	mm	
Mechanical resistance	Rms	1	Kg/s	Max mech. Excursion +/-	16,0	mm	
Moving mass	Mms	16	g	Flux density of gap		mWb	
Suspension compliance	Cms	1,46	mm/N	Total useful flux		mWb	
Effective cone diameter	D		cm	Diameter of magnet	90,0	mm	
Effective piston area	Sd	154	cm ²	Height of magnet	4,0	mm	
Equivalent volume	Vas	42,0	ltrs	Weight of magnet	0,13	Kg	
Sensitivity (2.83V/1m)		85,5	dB	Unit net weight		Kg	
Ratio BL/√(Re)							
Ratio fs/Qts	F						

Notes:
 IEC Specs refer to IEC 60268,5 third edition.
 All Scan Speak products are RoHS compliant
 U.S. Patent Des. 591,268

Frequency:



— Impedance — On axis — 30 degrees — 60 degrees

Mechanical Dimintions:

