Illuminator 6½" Mid/woofer

SCANSPEAK

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			
Nominal impedance	Zn	8	ohm
Minimum impedance	Zmin	7,7 / 158	ohm
Maximum impedance	Zo	58,3	ohm
DC resistance	Re	5,9	ohm
Voice coil inductance	Le	0,41	mH
T-S Parameters			
Resonance Frequency	fs	32,9	Hz
Mechanical Q factor	Qms	3,31	
Electrical Q factor	Qes	0,35	
Total Q factor	Qts	0,31	
Force factor	Bl	7,5	Tm
Mechanical resistance	Rms	1	Kg/s
Moving mass	Mms	16	g
Suspension compliance	Cms	1,46	mm/N
Effective cone diameter	D		cm
Effective piston area	Sd	154	cm2
Equivalent volume	Vas	42,0	ltrs
Sensitivity (2.83V/1m)		85,5	dB
Ratio BL/√(Re)			
Ratio fs/Qts	F		

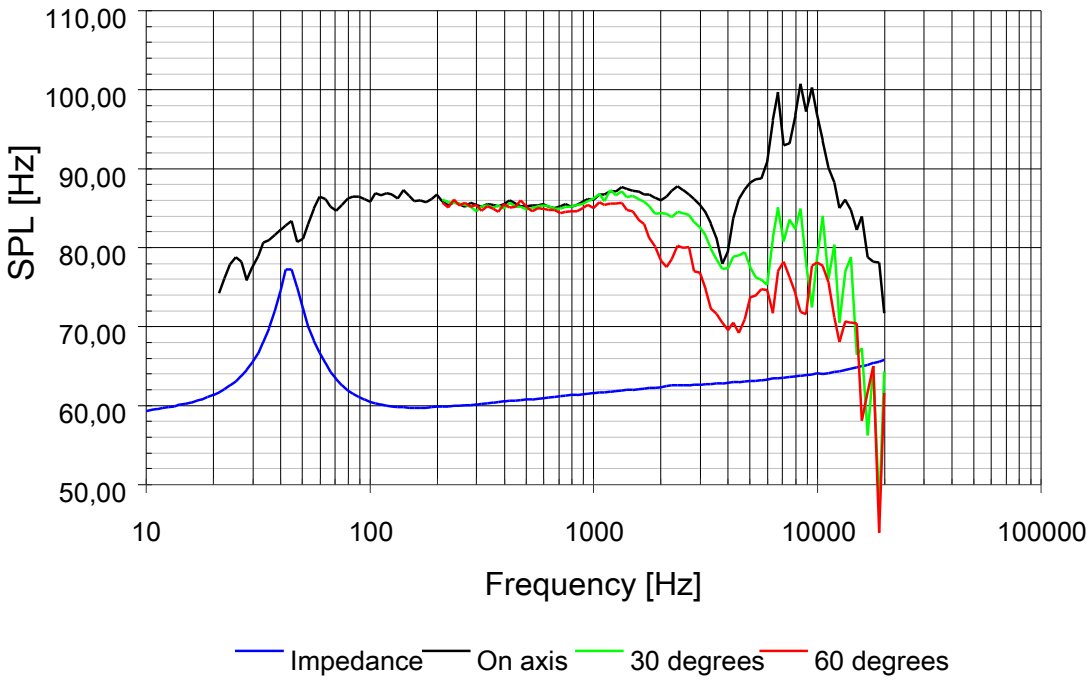
Power Handling		
100h RMS noice test (IEC)	80,0	W
Long-term Max Power (IEC18.3)	150,0	W
Max linear SPL (rms) @ power		dB/W
Short-term Max Power (IEC18.2)		W
Voice Coil and Magnet Parametres		
Voice coil diameter	42,0	mm
Voice coil height	8,0	mm
Voice coil layers	4	
Height of gap	20,0	mm
Linear excursion +/-	9,0	mm
Max mech. Excursion +/-	16,0	mm
Flux density of gap		mWb
Total useful flux		mWb
Diameter of magnet	90,0	mm
Height of magnet	4,0	mm
Weight of magnet	0,13	Kg
Unit net weight		Kg

Notes:

IEC Specs refer to IEC 60268,5 third edition.

All Scan Speak products are RoHS compliant

Frequency:



Mechanical Dimentions: