

Illuminator 4" Midwoofer



Type Number: 12WU/8731T00

Features:

The Illuminator midwoofer 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.

Driver Highlights:

- Neo magnet
- Under hung motor system
- Symmetrical Drive *
- Low Loss Suspension
- One Piece Cone / Dust Cap
- Rubber Surround

* Scan-Speak Patent



Specs:

Electrical Data

| | | | |
|-----------------------|------|----------|-----|
| Nominal impedance | Zn | 8 | ohm |
| Minimum impedance | Zmin | 7,7 / 60 | ohm |
| Maximum impedance | Zo | 58,6 | ohm |
| DC resistance | Re | 5,9 | ohm |
| Voice coil inductance | Le | 0,13 | mH |

T-S Parameters

| | | | |
|-------------------------|-----|------|-----------------|
| Resonance Frequency | fs | 66 | Hz |
| Mechanical Q factor | Qms | 3,63 | |
| Electrical Q factor | Qes | 0,31 | |
| Total Q factor | Qts | 0,29 | |
| Force factor | Bl | 6,1 | Tm |
| Mechanical resistance | Rms | 0,5 | Kg/s |
| Moving mass | Mms | 4,7 | g |
| Suspension compliance | Cms | 1,23 | mm/N |
| Effective cone diameter | D | 8,6 | cm |
| Effective piston area | Sd | 58 | cm ² |
| Equivalent volume | Vas | 5,9 | ltrs |
| Sensitivity (2.83V/1m) | | 87,2 | dB |

Power Handling

| | | |
|-------------------------------|-----|---|
| 100h RMS noise test (IEC) | 80 | W |
| Long-term Max Power (IEC18.3) | 150 | W |

Voice Coil and Magnet Parametres

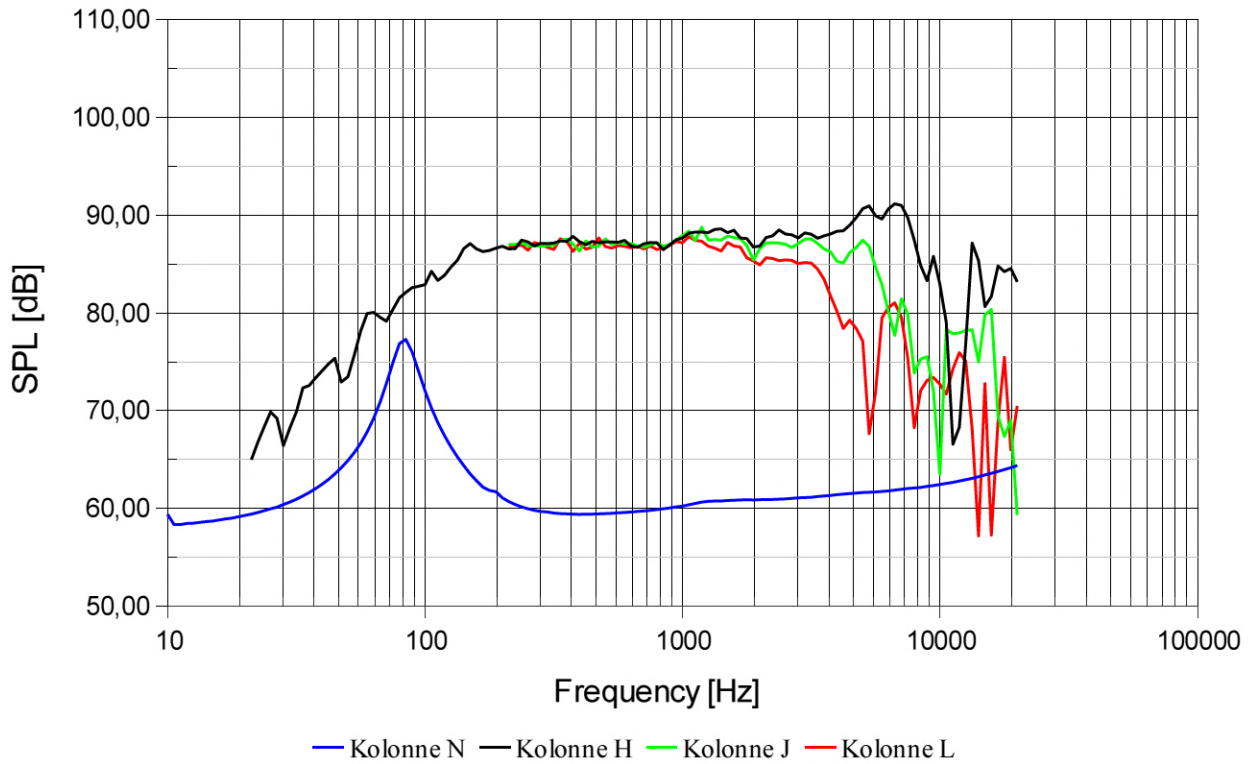
| | | |
|-------------------------|------|----|
| Voice coil diameter | 32,0 | mm |
| Voice coil height | 6,2 | mm |
| Voice coil layers | 4,0 | |
| Height of gap | 13,0 | mm |
| Linear excursion +/- | 3,4 | mm |
| Max mech. Excursion +/- | 11,0 | mm |
| Diameter of magnet | 72,0 | mm |
| Height of magnet | 5,0 | mm |
| Weight of magnet | 0,1 | Kg |
| Unit net weight | 0,74 | Kg |

Notes:

IEC Specs refer to IEC 60268,5 third edition.
All Scan Speak products are RoHS compliant

200 Hz, 2. order BW

Frequency:



Mechanical Dimensions:

