

### KEY FEATURES

- High power handling: 2.000 W program power
- 4" copper voice coil
- High sensitivity: 98 dB
- FEA optimized magnetic circuit
- Designed with MMSS technology for high control, linearity and low harmonic distortion
- Low power compression losses
- Waterproof cone with treatment for both sides of the cone
- Extended mechanical displacement capability:  $X_{dam} \pm 52$  mm
- CONEX spider
- High excursion capabilities:  $X_{max} \pm 8$  mm
- Low frequency extension and high control

### TECHNICAL SPECIFICATIONS

Nominal diameter	380 mm	15 in
Rated impedance		8 $\Omega$
Minimum impedance		5,5 $\Omega$
Power capacity*	1.000 $W_{AES}$	
Program power		2.000 W
Sensitivity	98 dB	1W / 1m @ $Z_N$
Frequency range		40 - 2.000 Hz
Voice coil diameter	101,6 mm	4 in
BI factor		26,6 N/A
Moving mass		0,147 kg
Voice coil length		20 mm
Air gap height		12 mm
$X_{damage}$ (peak to peak)		52 mm

### THIELE-SMALL PARAMETERS\*\*

Resonant frequency, $f_s$	42 Hz
D.C. Voice coil resistance, $R_e$	5,3 $\Omega$
Mechanical Quality Factor, $Q_{ms}$	6,6
Electrical Quality Factor, $Q_{es}$	0,29
Total Quality Factor, $Q_{ts}$	0,28
Equivalent Air Volume to $C_{ms}$ , $V_{as}$	100,2 l
Mechanical Compliance, $C_{ms}$	97 $\mu m / N$
Mechanical Resistance, $R_{ms}$	5,91 kg / s
Efficiency, $\eta_0$	2,47 %
Effective Surface Area, $S_d$	0,0855 $m^2$
Maximum Displacement, $X_{max}$ ***	8 mm
Displacement Volume, $V_d$	684 $cm^3$
Voice Coil Inductance, $L_e$ @ 1 kHz	1,3 mH

Notes:

\* The power capacity is determined according to AES2-1984 (r2003) standard. Program power is defined as the transducer's ability to handle normal music program material.

\*\* T-S parameters are measured after an exercise period using a preconditioning power test. The measurements are carried out with a velocity-current laser transducer and will reflect the long term parameters (once the loudspeaker has been working for a short period of time).

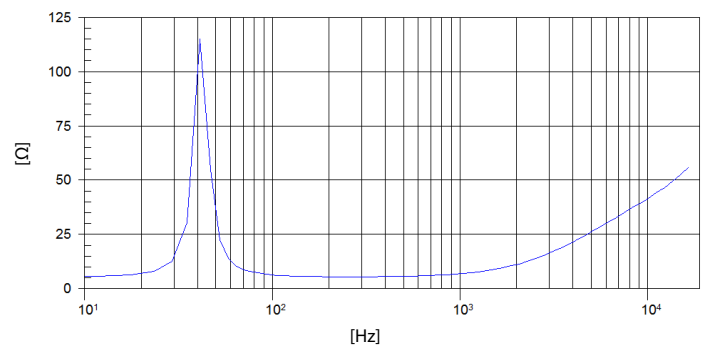
\*\*\* The  $X_{max}$  is calculated as  $(L_{vc} - H_{ag})/2 + (H_{ag}/3,5)$ , where  $L_{vc}$  is the voice coil length and  $H_{ag}$  is the air gap height.



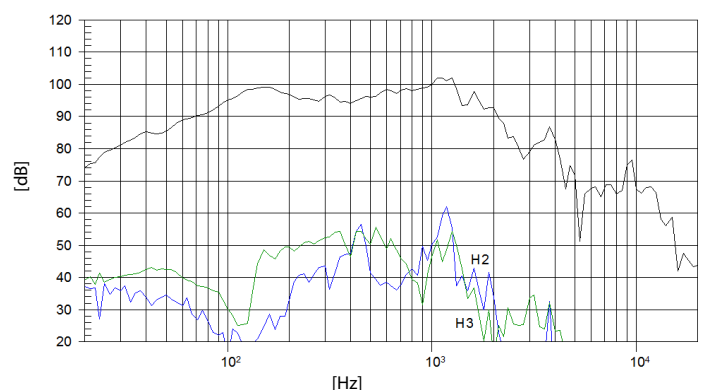
### MOUNTING INFORMATION

Overall diameter	388 mm	15,28 in
Bolt circle diameter	370 mm	14,57 in
Baffle cutout diameter:		
- Front mount	352 mm	13,86 in
Depth	170 mm	6,70 in
Net weight	13,1 kg	28,9 lb
Shipping weight	14,1 kg	31,1 lb

### FREE AIR IMPEDANCE CURVE



### FREQUENCY RESPONSE & DISTORTION



Note: On axis frequency response measured with loudspeaker standing on infinite baffle in anechoic chamber, 1W @ 1m