

### KEY FEATURES

- 800 W program power
- Sensitivity: 98 dB @ 2,83 V @ 1 m
- Extended controlled displacement:  $X_{max} \pm 6$  mm
- Extended mechanical displacement capability:  $X_{damage} \pm 25$  mm
- Single roll foam surround.



### TECHNICAL SPECIFICATIONS

Nominal diameter	381 mm	15 in
Rated impedance		8 $\Omega$
Minimum impedance		6,9 $\Omega$
Power capacity*		400 $W_{RMS}$
Program power		800 W
Sensitivity	98 dB	2,83v @ 1m @ 2 $\pi$
Frequency range		40 - 4.500 Hz
Recom. enclosure vol.	40 / 150 l	1,41 / 5,3 ft <sup>3</sup>
Voice coil diameter	100,7 mm	4 in
Magnetic assembly weight	9 kg	19,84 lb
BL factor		21,8 N/A
Moving mass		0,119 kg
Voice coil length		15,5 mm
Air gap height		10 mm
$X_{damage}$ (peak to peak)		50 mm

### 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
- Rear mount	355 mm	13,98 in
Depth	145 mm	5,71 in
Volume displaced by driver	7 l	0,25 ft <sup>3</sup>
Net weight	10,2 kg	22,4 lb
Shipping weight	11,1 kg	24,4 lb

### THIELE-SMALL PARAMETERS\*\*

Resonant frequency, $f_s$	30 Hz
D.C. Voice coil resistance, $R_e$	5,4 $\Omega$
Mechanical Quality Factor, $Q_{ms}$	10,894
Electrical Quality Factor, $Q_{es}$	0,258
Total Quality Factor, $Q_{ts}$	0,252
Equivalent Air Volume to $C_{ms}$ , $V_{as}$	248,96 l
Mechanical Compliance, $C_{ms}$	230 $\mu$ m / N
Mechanical Resistance, $R_{ms}$	2,09 kg / s
Efficiency, $\eta_0$	2,60 %
Effective Surface Area, $S_d$	0,088 m <sup>2</sup>
Maximum Displacement, $X_{max}$ ***	6 mm
Displacement Volume, $V_d$	492,8 cm <sup>3</sup>
Voice Coil Inductance, $L_e$ @ 1 kHz	1,6 mH

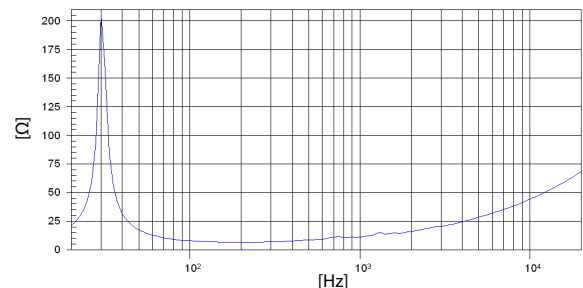
Notes:

\* 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.

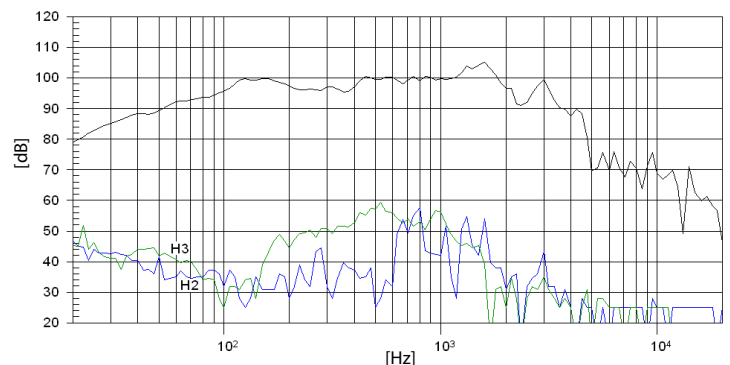
\*\* T-S parameters are measured after an exercise period using a preconditioning power test. The measurements are carried out with a velocity-current laser transducer and will reflect the long term parameters (once the loudspeaker has been working for a short period of time).

\*\*\* 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.

### FREE AIR IMPEDANCE CURVE



### FREQUENCY RESPONSE AND DISTORTION



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