

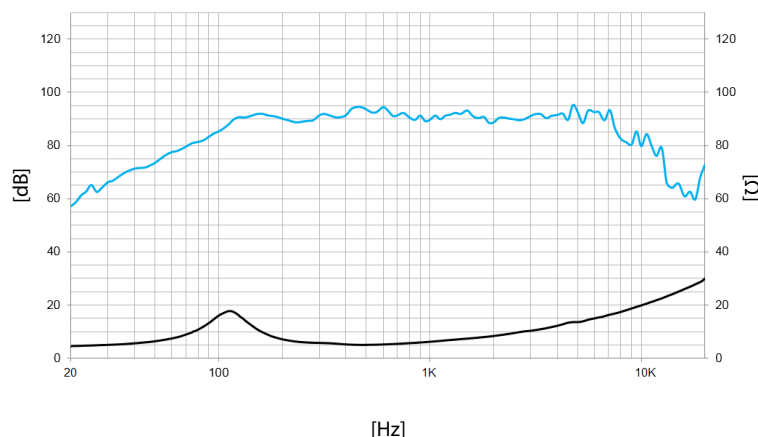
#### TECHNICAL SPECIFICATIONS

Nominal diameter	165 mm	6,5 in
Rated impedance		4 $\Omega$
Minimum impedance		5 $\Omega$
Power capacity <sup>1</sup>	220 W <sub>AES</sub>	
Program power <sup>2</sup>	440 W	
Sensitivity	94 dB	1W / 1m @ Z <sub>N</sub>
Frequency range	115 - 9.000 Hz	
Voice coil diameter	38,1 mm	1,5 in
BI factor		8,1 N/A
Moving mass	0,014 kg	
Voice coil length	14 mm	
Air gap height	6 mm	
X <sub>damage</sub> (peak to peak)	30 mm	



#### THIELE-SMALL PARAMETERS<sup>3</sup>

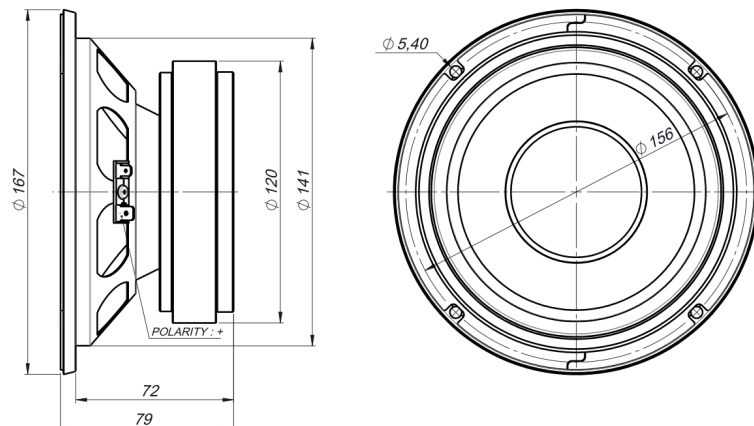
Resonant frequency, f <sub>s</sub>	115 Hz
D.C. Voice coil resistance, R <sub>e</sub>	3,8 $\Omega$
Mechanical Quality Factor, Q <sub>ms</sub>	2,2
Electrical Quality Factor, Q <sub>es</sub>	0,60
Total Quality Factor, Q <sub>ts</sub>	0,48
Equivalent Air Volume to C <sub>ms</sub> , V <sub>as</sub>	3,7 l
Mechanical Compliance, C <sub>ms</sub>	134 $\mu$ m / N
Mechanical Resistance, R <sub>ms</sub>	4,6 kg / s
Efficiency, $\eta_0$	0,9 %
Effective Surface Area, S <sub>d</sub>	0,014 m <sup>2</sup>
Maximum Displacement, X <sub>max</sub> <sup>4</sup>	6 mm
Displacement Volume, V <sub>d</sub>	80 cm <sup>3</sup>
Voice Coil Inductance, L <sub>e</sub>	0,4 mH



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

#### MOUNTING INFORMATION

Overall diameter	167 mm	6,6 in
Bolt circle diameter	156 mm	6,1 in
Baffle cutout diameter:		
- Front mount	141 mm	5,6 in
Depth	79 mm	3,1 in
Net weight	2,2 kg	4,8 lb
Shipping weight	2,3 kg	5,1 lb



#### Notes:

<sup>1</sup> The power capacity is determined according to AES2-1984 (r2003) standard.

<sup>2</sup> Program power is defined as power capacity + 3 dB.

<sup>3</sup> 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).

<sup>4</sup> The X<sub>max</sub> is calculated as (L<sub>vc</sub> - H<sub>ag</sub>)/2 + (H<sub>ag</sub>/3,5), where L<sub>vc</sub> is the voice coil length and H<sub>ag</sub> is the air gap height.