

### 15NBX100 8 Ω

Woofer

- 2000 W continuous program power capacity
- 100 mm (4 in) copper voice coil
- 35 - 1500 Hz response
- 97 dB sensitivity
- Aluminium demodulating ring allows a very low distortion figure
- Double silicone spider with optimized compliance
- Ventilated voice coil gap for reduced power compression



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### SPECIFICATIONS

Nominal Diameter	<b>380 mm (15 in)</b>
Nominal Impedance	<b>8 Ω</b>
Minimum Impedance	<b>6.4 Ω</b>
Nominal Power Handling	<b>1000 W</b>
2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.	
Continuous Power Handling	<b>2000 W</b>
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	<b>97 dB</b>
Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	
Frequency Range	<b>35 Hz - 1500 Hz</b>
Voice Coil Diameter	<b>100 mm (4 in)</b>
Winding Material	<b>Copper</b>
Former Material	<b>Glass Fibre</b>
Winding Depth	<b>25 mm (1 in)</b>
Magnetic Gap Depth	<b>11 mm (0.43 in)</b>
Flux Density	<b>1.1 T</b>
Woofer Cone Treatment	<b>TWP Waterproof Both Sides</b>

### PARAMETERS

Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.

Fs	<b>36 Hz</b>
Re	<b>5.1 Ω</b>
Qes	<b>0.31</b>
Qms	<b>4.2</b>
Qts	<b>0.29</b>
Vas	<b>125 dm<sup>3</sup> (4.4 ft<sup>3</sup>)</b>
Sd	<b>855 cm<sup>2</sup> (132.5 in<sup>2</sup>)</b>
η0	<b>2 %</b>
Xmax	<b>10 mm</b>
Xvar	<b>10 mm</b>
Mms	<b>151 g</b>
Bl	<b>25 Tm</b>
Le	<b>2 mH</b>
EBP	<b>116 Hz</b>

### DESIGN

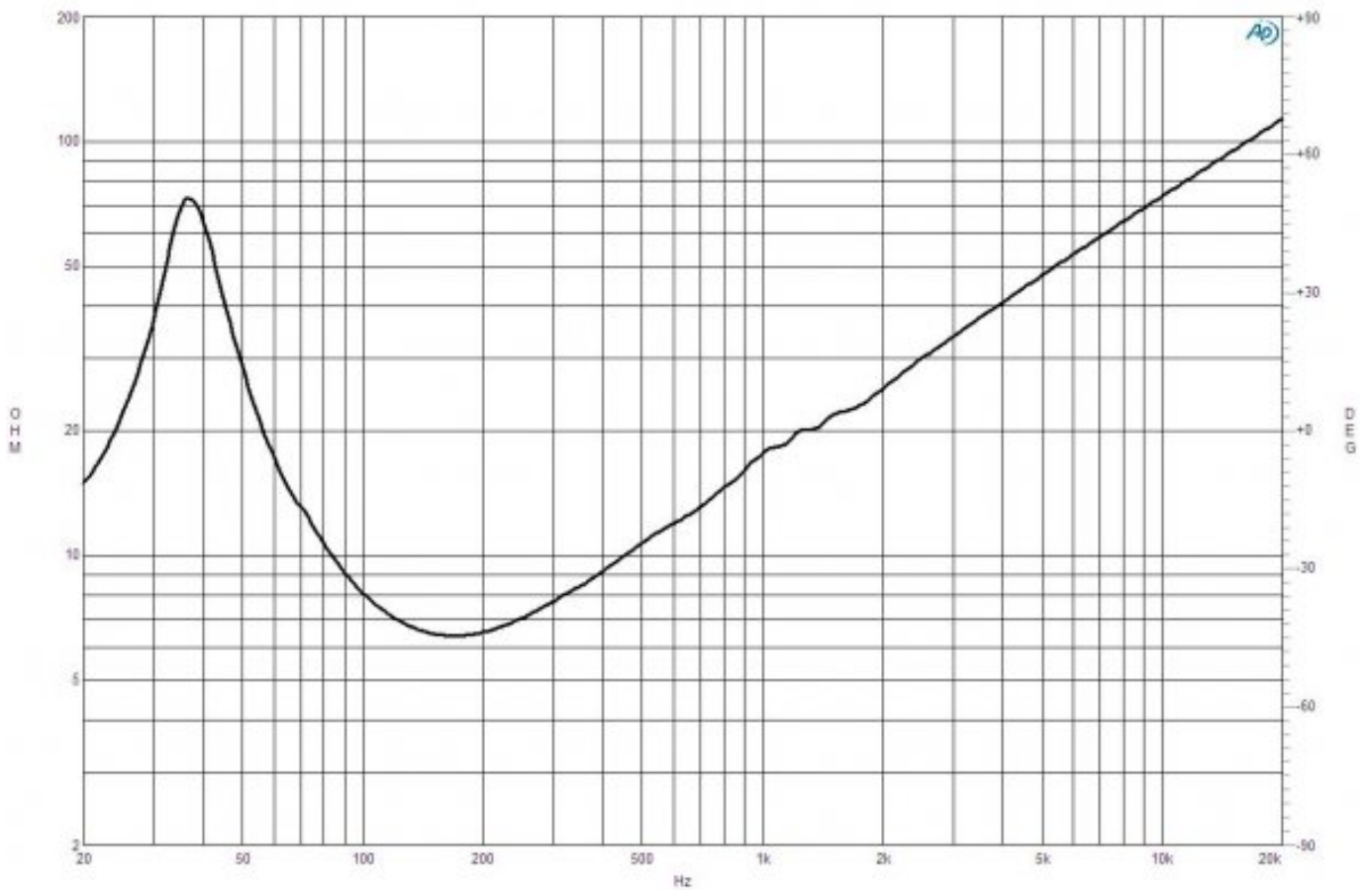
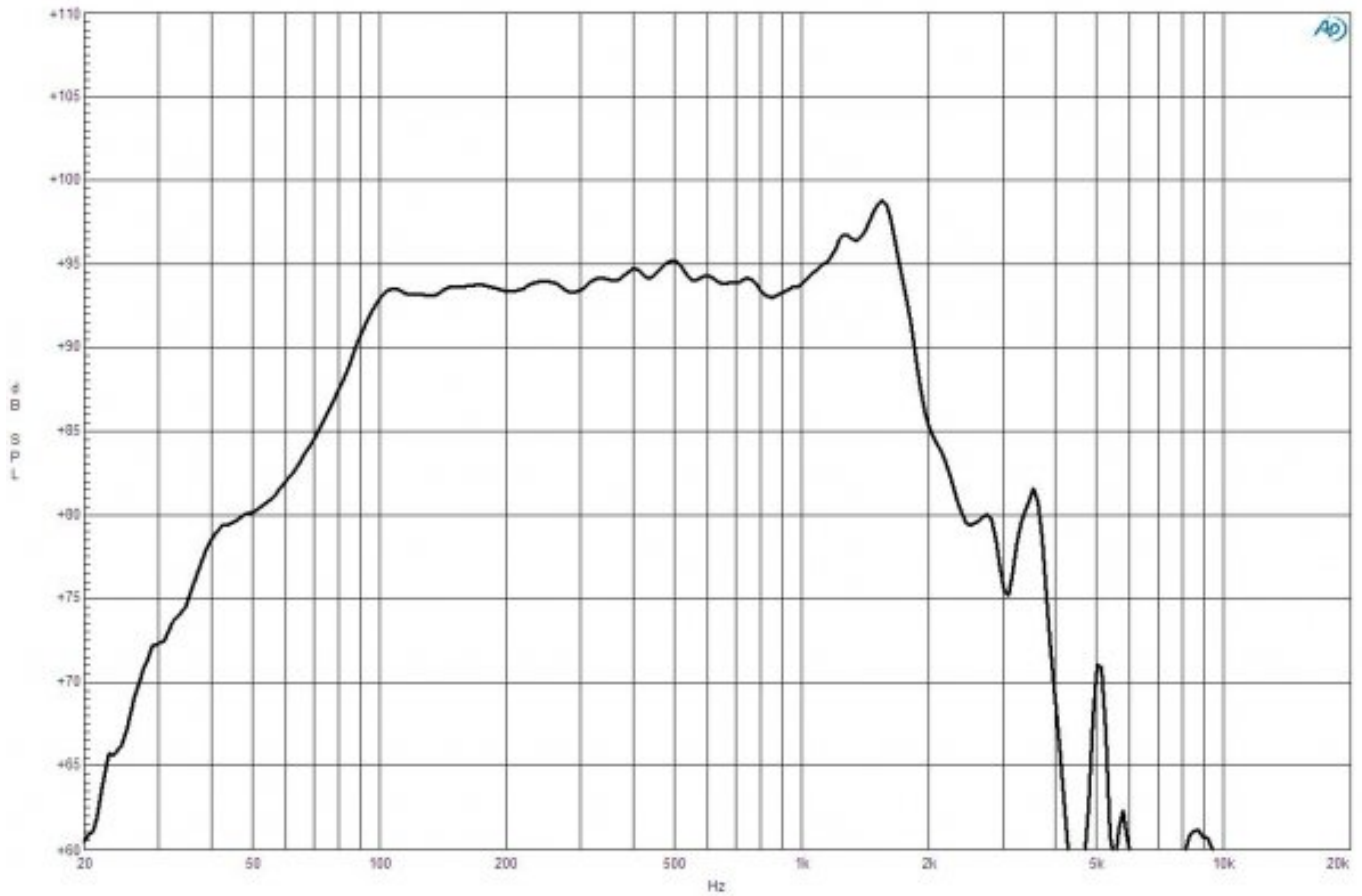
Surround Shape	<b>Triple Roll</b>
Cone Shape	<b>Exponential</b>
Magnet Material	<b>Neodymium Inside Slug</b>
Spider	<b>Double Silicone</b>
Pole Design	<b>T-Pole</b>
Woofer Cone Treatment	<b>TWP Waterproof Both Sides</b>
Recommended Enclosure	<b>114 dm<sup>3</sup> (4 ft<sup>3</sup>)</b>
Recommended Tuning	<b>35 Hz</b>

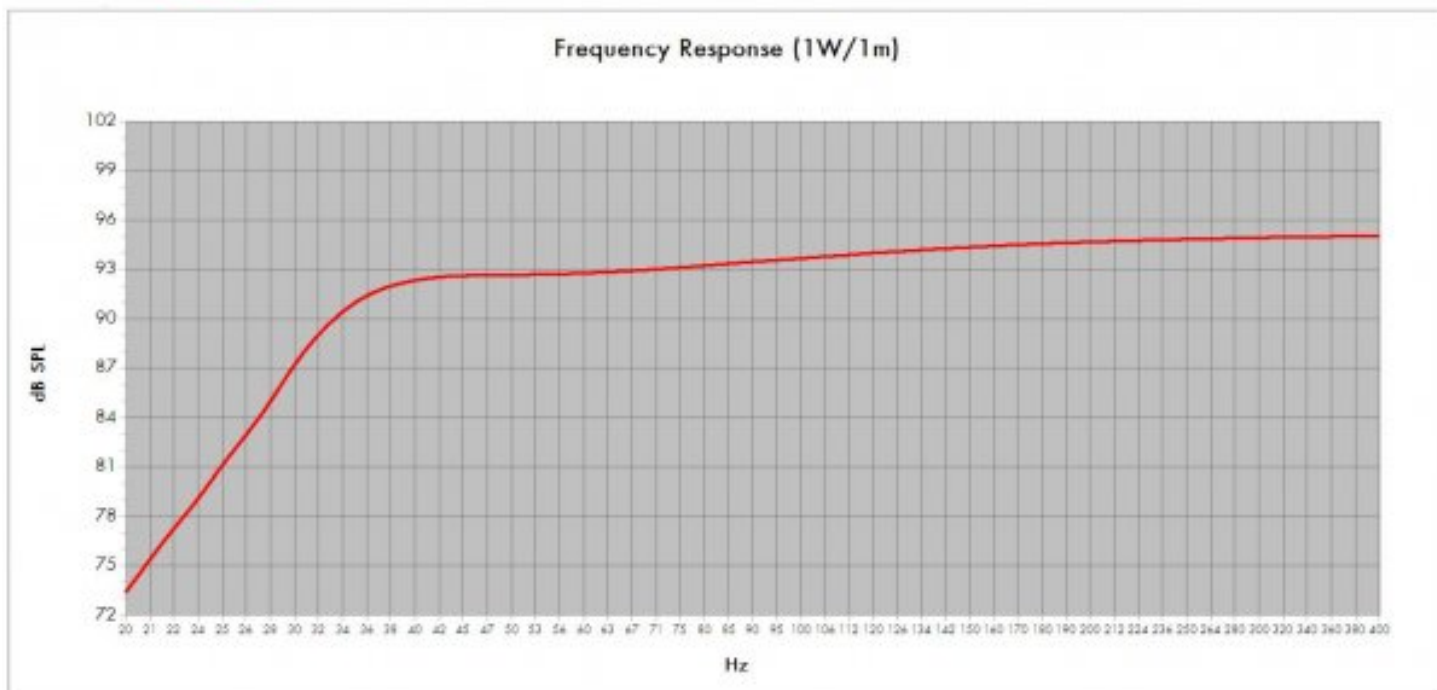
### MOUNTING AND SHIPPING INFO

Overall Diameter	<b>393 mm (15.5 in)</b>
Bolt Circle Diameter	<b>374 mm (16.7 in)</b>
Baffle Cutout Diameter	<b>353 mm (13.9 in)</b>
Depth	<b>179 mm (7.05 in)</b>
Flange and Gasket Thickness	<b>14 mm (0.55 in)</b>
Air Volume Occupied by Driver	<b>6 dm<sup>3</sup> (0.21 ft<sup>3</sup>)</b>
Net Weight	<b>9.55 kg (21.05 lb)</b>
Shipping Units	<b>1 pcs</b>
Shipping Weight	<b>9.85 kg (21.72 lb)</b>
Shipping Box	<b>425x425x224 mm (16.73x16.73x8.82 in)</b>

### SERVICE KITS

LF recone-kits	<b>RCK15NBX1008</b>
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Model:	<b>15NBX100</b>	Configuration:	<b>One Driver</b>
Enclosure Type:	<b>Bass Reflex</b>	QB:	<b>7</b>
Internal Net Volume [Litres]:	<b>114</b>	Port Area [cm <sup>2</sup> ]:	<b>222,3</b>
Tuning Frequency (Hz):	<b>35</b>	Port Length [cm]:	<b>33,2</b>
Frequency [-3 dB] (Hz):	<b>39,1</b>		
Excursion Limited Maximum SPL at 1 meter [dB]: <b>120,4</b> equal to <b>416,2</b> Watts [Bass Band Power Rating]			
Thermal Limited Maximum SPL at 1 meter [dB]: <b>125,1</b> equal to <b>1000,0</b> Watts [Mid Band Power Rating]			

