

**15SW100** 8 Ω

## Subwoofer

- 3000 W continuous program power capacity
- 100 mm (4 in) split winding copper voice coil
- 40 - 1500 Hz response
- 95 dB sensitivity
- Excursion optimized lead wires (woven through spider)
- Double silicone spider with optimized compliance
- Ventilated voice coil gap for reduced power compression
- Aluminium demodulating ring for very low distortion



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### SPECIFICATIONS

|                                                                                                                                                     |                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| Nominal Diameter                                                                                                                                    | <b>380 mm (15 in)</b>            |
| Nominal Impedance                                                                                                                                   | <b>8 Ω</b>                       |
| Minimum Impedance                                                                                                                                   | <b>6.5 Ω</b>                     |
| Nominal Power Handling                                                                                                                              | <b>1500 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>3000 W</b>                    |
| Power on Continuous Program is defined as 3 dB greater than the Nominal rating.                                                                     |                                  |
| Sensitivity                                                                                                                                         | <b>95 dB</b>                     |
| Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.                                                                                  |                                  |
| Frequency Range                                                                                                                                     | <b>40 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>32 mm (1.26 in)</b>           |
| Magnetic Gap Depth                                                                                                                                  | <b>16 mm (0.63 in)</b>           |
| Flux Density                                                                                                                                        | <b>1.15 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>37 Hz</b>               |
| Re               | <b>5.4 Ω</b>               |
| Qes              | <b>0.34</b>                |
| Qms              | <b>4.8</b>                 |
| Qts              | <b>0.31</b>                |
| Vas              | <b>110 dm³ (3.9 ft³)</b>   |
| Sd               | <b>855 cm² (132.5 in²)</b> |
| η <sub>0</sub>   | <b>1.6 %</b>               |
| X <sub>max</sub> | <b>12.5 mm</b>             |
| X <sub>var</sub> | <b>13 mm</b>               |
| M <sub>ms</sub>  | <b>176 g</b>               |
| Bl               | <b>25.6 Tm</b>             |
| Le               | <b>2.2 mH</b>              |
| EBP              | <b>109 Hz</b>              |

### DESIGN

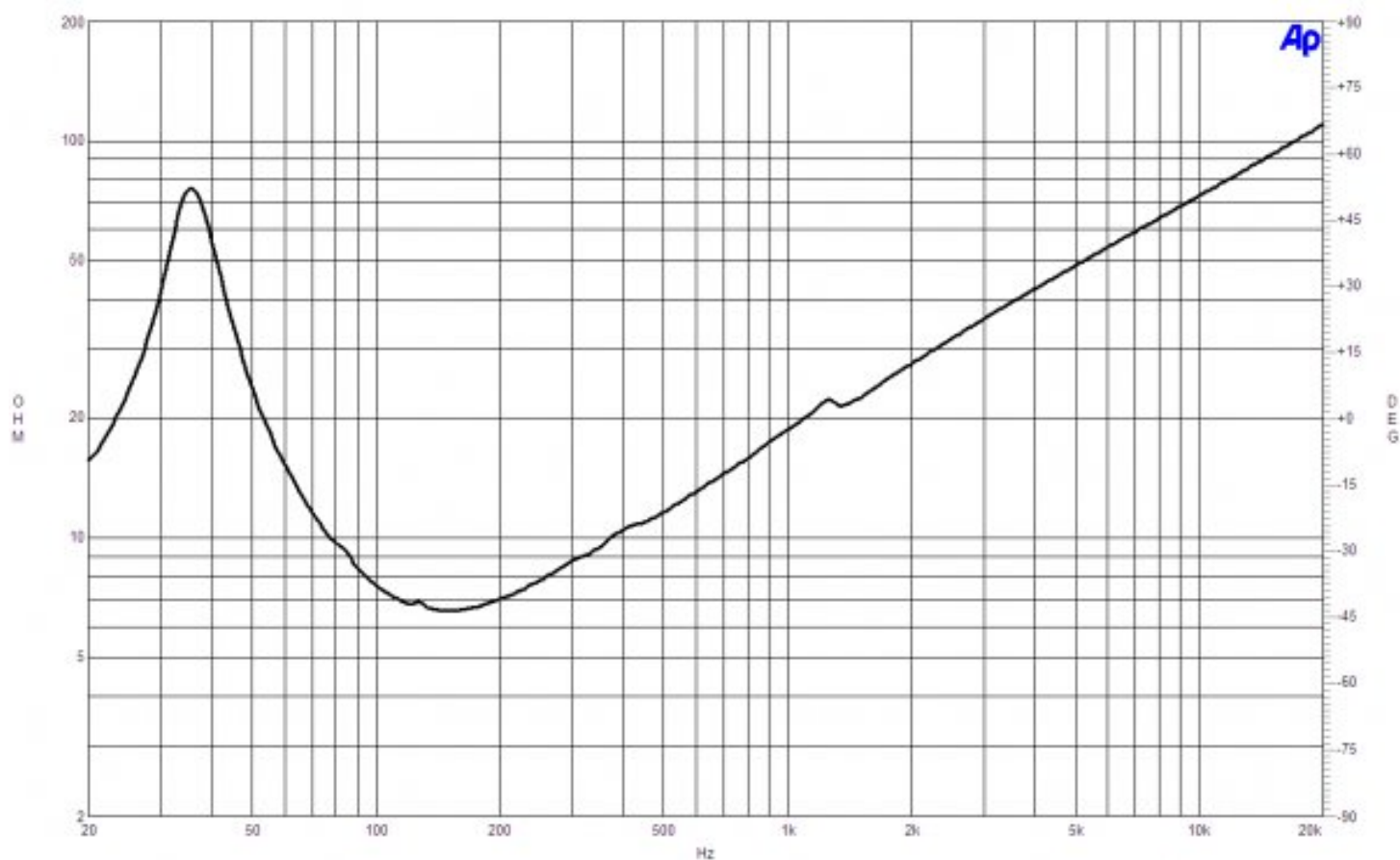
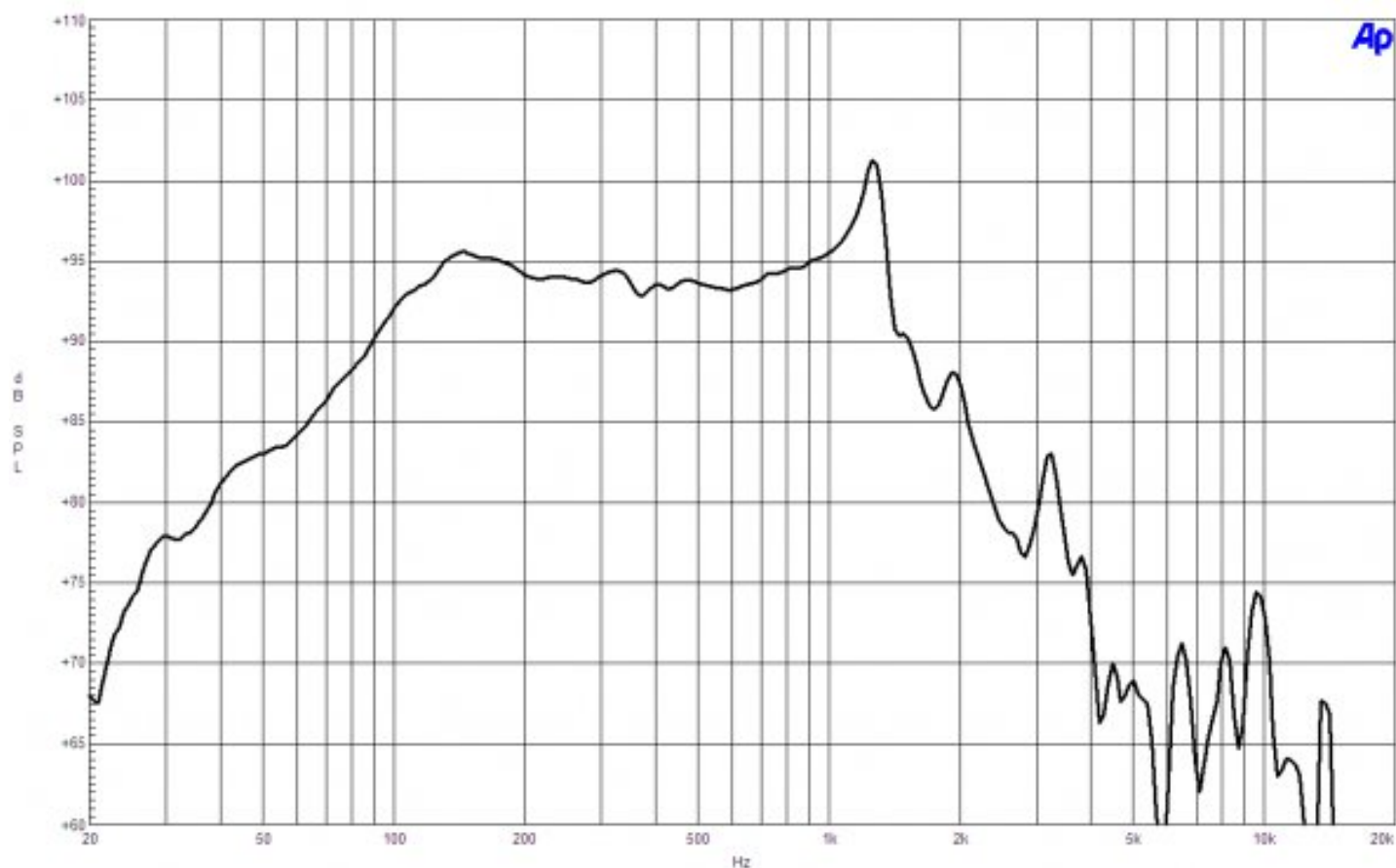
|                       |                                  |
|-----------------------|----------------------------------|
| Surround Shape        | <b>Triple Roll</b>               |
| Cone Shape            | <b>Radial</b>                    |
| Magnet Material       | <b>Neodymium Inside Slug</b>     |
| Spider                | <b>Double Silicone</b>           |
| Pole Design           | <b>T-Pole</b>                    |
| Woofer Cone Treatment | <b>TWP Waterproof Both Sides</b> |
| Recommended Enclosure | <b>120 dm³ (4.24 ft³)</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 (14.7 in)</b>                     |
| Baffle Cutout Diameter        | <b>353 mm (13.9 in)</b>                     |
| Depth                         | <b>190 mm (7.5 in)</b>                      |
| Flange and Gasket Thickness   | <b>16 mm (0.63 in)</b>                      |
| Air Volume Occupied by Driver | <b>6 dm³ (0.21 ft³)</b>                     |
| Net Weight                    | <b>9.6 kg (21.16 lb)</b>                    |
| Shipping Units                | <b>1 pcs</b>                                |
| Shipping Weight               | <b>10.9 kg (24.03 lb)</b>                   |
| Shipping Box                  | <b>425x425x224 mm (16.73x16.73x8.82 in)</b> |

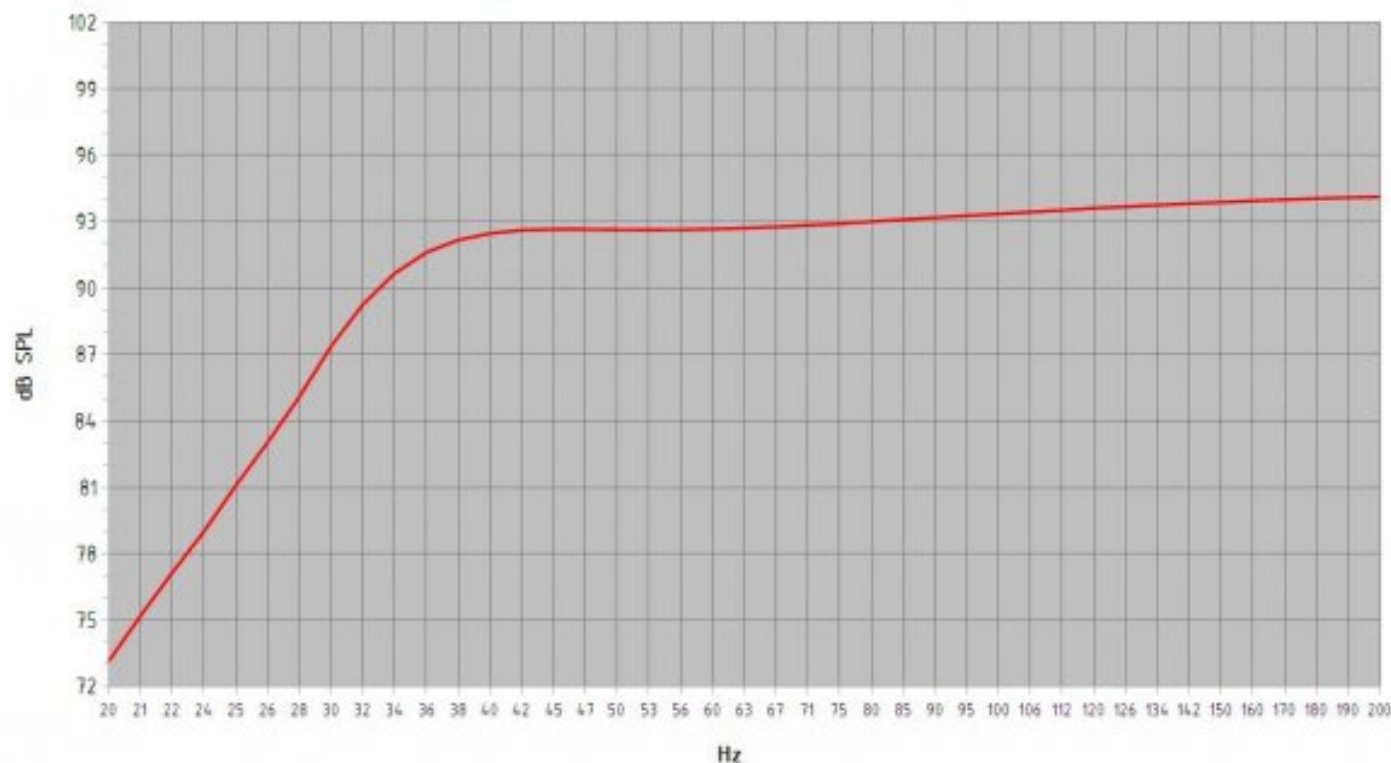
### SERVICE KITS

|                |                    |
|----------------|--------------------|
| LF recone-kits | <b>RCK15SW1008</b> |
|----------------|--------------------|





Frequency Response (2,83 Vrms/1 m)



Model: **15 SW 100**  
Enclosure Type: **Bass Reflex**

|                               |             |                   |              |
|-------------------------------|-------------|-------------------|--------------|
| Internal Net Volume (Liters): | <b>120</b>  | Port Area (cm²):  | <b>222,3</b> |
| Tuning Frequency (Hz):        | <b>35</b>   | Port Length (cm): | <b>30,8</b>  |
| Frequency (-3 dB) (Hz):       | <b>35,8</b> |                   |              |

|                                                |              |          |               |       |                          |
|------------------------------------------------|--------------|----------|---------------|-------|--------------------------|
| Excursion Limited Maximum SPL at 1 meter (dB): | <b>120,3</b> | equal to | <b>465,6</b>  | Watts | (Bass Band Power Rating) |
| Thermal Limited Maximum SPL at 1 meter (dB):   | <b>125,4</b> | equal to | <b>1500,0</b> | Watts | (Mid Band Power Rating)  |

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