

# ROSSO-15SW800

AUDIENCE

15" - Subwoofer - 800W - 99dB

- Proprietary cone paper material made in-house
- Minimum damping fiber glass voice coil former
- 4" voice coil with APC (Advanced Polymer Coating)
- Ribbon voice coil wire for high efficiency
- Cast aluminium chassis
- Vented pole piece for reduced compression



## Dimensions & Weight

|                             |   |
|-----------------------------|---|
| Overall Diameter            | 394 mm (15.5 in)                                |
| Bolt Circle Diameter        | 378 mm (14.87 in)                               |
| Baffle Cutout Diameter      | 361.4 mm (14.22 in)                             |
| Mounting Depth              | 168.5 mm (6.63 in)                              |
| Flange and Gasket Thickness | 14.9 mm (0.59 in)                               |
| Net Weight                  | 11.63 Kg (23.26 lb)                             |
| Shipping Box                | 425 x 425 x 232 mm<br>(16.73 x 16.73 x 9.13 in) |
| Gross Weight                | 13.5 Kg (29.10 lb)                              |

## Specs :

|                                 |                              |
|---------------------------------|------------------------------|
| Nominal Impedance               | 8 Ohm                        |
| Minimum Impedance               | 5.2 Ohm                      |
| AES Power Handling (1)          | 800 W                        |
| Maximum Power Handling (2)      | 1600 W                       |
| Sensitivity (1W/1m)             | 99 dB                        |
| Frequency Range                 | 45 - 4600 Hz                 |
| Voice Coil Diameter             | 99.2 mm (4 in)               |
| Winding Material                | Flat copper clad aluminium   |
| Former Material                 | Till                         |
| Winding Depth                   | 25.7 mm                      |
| Magnetic Gap Depth              | 10 mm (0.39 in)              |
| Flux Density                    | 1.03 T                       |
| Magnet                          | Ferrite                      |
| Basket Material                 | Aluminium die cast           |
| Demodulation                    | -                            |
| Cone Surround                   | Double half roll             |
| NET Air Volume filled by driver | 5.53 liters                  |
| Spider Profile                  | Single constant height waves |
| Weather Resistant               | Yes                          |

## Thiele Small Parameters

|             |                       |
|-------------|-----------------------|
| Fs          | 45 Hz                 |
| Re          | 5.2 Ohm               |
| Qes         | 0.48                  |
| Qms         | 9.99                  |
| Qts         | 0.46                  |
| Vas         | 87.6 liters           |
| Sd          | 850.1 cm <sup>2</sup> |
| Xmax (3)    | 11.28 mm              |
| Xdamage (4) | 18 mm                 |
| Mms         | 143.6 g               |
| BI          | 21.1 Tm               |
| Le          | 1.18 mH               |
| Cms         | 0.09 mm/N             |
| Rms         | 4.1 Kg/s              |
| Eta Zero    | 1.64 %                |
| EBP         | 94                    |

## Recone Kit

1P000OPSB018

## NOTES :

- (1) AES standard, test mode with continuous pink noise signal (6 dB crest factor; 2 hours) within the Fo to 10Fo power calculated on rated nominal impedance. Loudspeaker in free air
- (2) Maximum power is defined as 3dB greater than nominal power.
- (3) Xmax= ((Winding depth - magnetic gap depth)/2) +(magnetic gap depth/3)
- (4) Maximum excursion (p-p) before permanent damage
- (5) T/S parameters measured on drive units that are broken in using Klippel LPM Measurement System.

