

# 18SW2400

Professional Low Frequency Driver



KEY FEATURES

- 2400 Watts Continuous Power
- 96 dB Sensitivity
- 45 - 2,200 Hz of frequency response

GENERAL SPECIFICATIONS

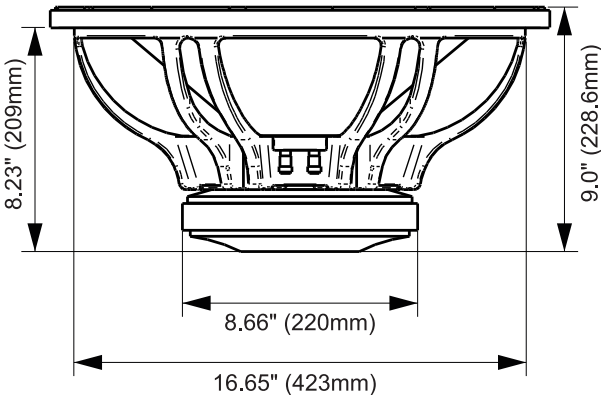
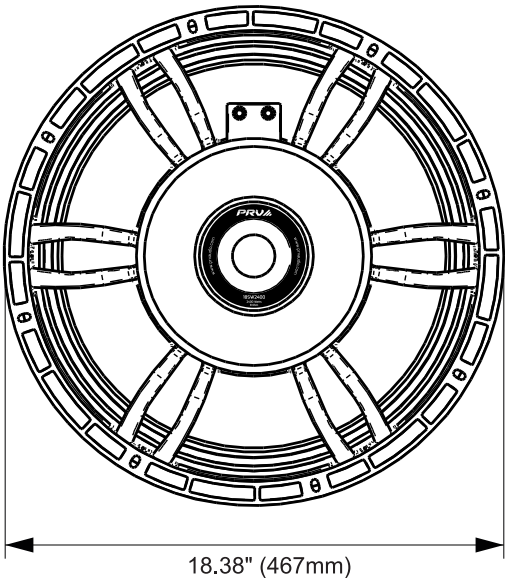
|                                         |                                           |
|-----------------------------------------|-------------------------------------------|
| Nominal Diameter                        | 18" (457 mm)                              |
| Nominal impedance                       | 8 Ohm                                     |
| Nominal Power Handling                  | 1200 Watts                                |
| Continuous Program Power (RMS)          | 2400 Watts                                |
| Max Peak Power                          | 4800 Watts                                |
| Sensitivity 2.83V at 1m                 | 96 dB                                     |
| Recommended High Pass Filter*           | 50 Hz*                                    |
| <small>*For Full Power Handling</small> | <small>*12db Per Octave Crossover</small> |
| Frequency Response                      | 45 - 2,200 Hz                             |
| Voice Coil Diameter                     | 4" (101 mm)                               |
| Voice Coil Wire                         | Copper                                    |
| Voice Coil Winding Depth                | 31.0 mm                                   |
| Former Material                         | Glass Fiber                               |
| Magnetic Gap Depth                      | 12.0 mm                                   |
| Frame Material                          | Die cast Aluminum                         |

THIELE-SMALL PARAMETERS

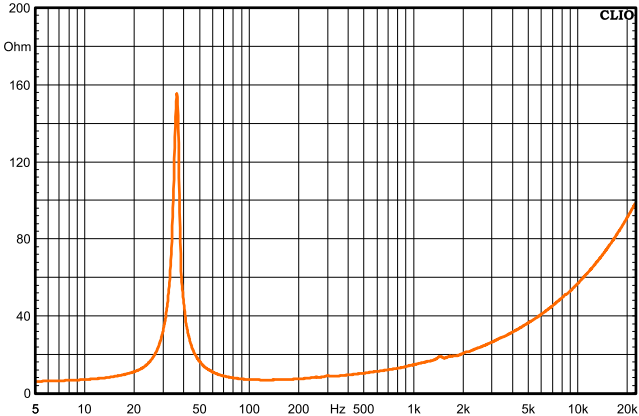
|                             |      |                      |
|-----------------------------|------|----------------------|
| Equivalent Volume           | Vas  | 192.8 l              |
| Excursion (mathematical)*** | Xmax | 12.5 mm              |
| Free Air Resonance          | Fs   | 36.3 Hz              |
| Mechanical Factor           | Qms  | 15.57                |
| Electrical Factor           | Qes  | 0.58                 |
| Total Factor                | Qts  | 0.56                 |
| Cone Area                   | Sd   | 1290 cm <sup>2</sup> |
| Mechanical Mass             | Mms  | 231.2 g              |
| Bl Factor                   | BL   | 22.5 Tm              |
| Dc Resistance               | Re   | 5.6 Ohm              |
| Inductance                  | Le   | 1.54 mH at 1 kHz     |
| Mechanical Mass Without Air | Mmd  | 205.0 g              |
| Mechanical Compliance       | Cms  | 0.083 mm/N           |

EXTRA INFO

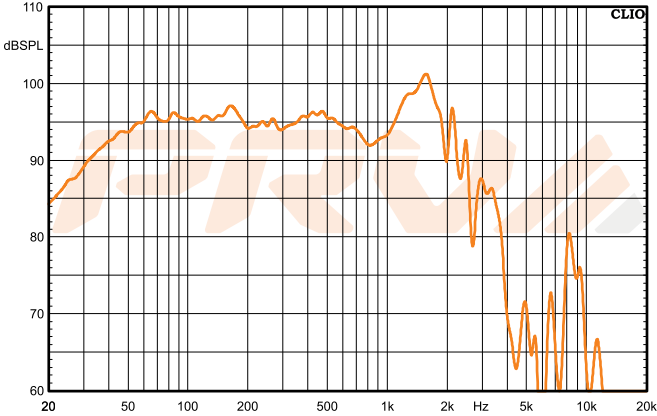
|                             |                                            |
|-----------------------------|--------------------------------------------|
| Overall Diameter            | 18.38" (467 mm)                            |
| Front Mount Baffle Cutout   | 16.65" (423 mm)                            |
| Mounting Depth              | 8.23" (209 mm)                             |
| Overall Depth               | 9.0" (228.6 mm)                            |
| Net Weight                  | 28.0 Lb (12.7 kg)                          |
| Shipping Weight             | 31.75 Lb (14.4 kg)                         |
| Carton Dimensions W x L x H | 19.5" x 19.5" x 10.6" (495 x 495 x 270 mm) |



Impedance Curve - Free Air



Frequency Response Measured at 2.83V/1m



\*\*Xmax=(Voice coil winding depth-Magnetic Gap depth)/2+ Magnetic Gap Depth/4  
\*\*\* T-S parameters measured after 2 hours at 1/2 Rated power, pink noise preconditioning test

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