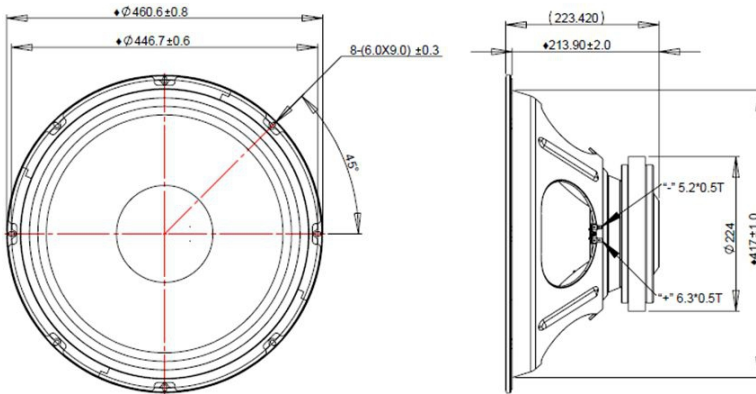


● Ferrite Magnet

● High Power and Thermal Handling

● Optimized for Pro Applications

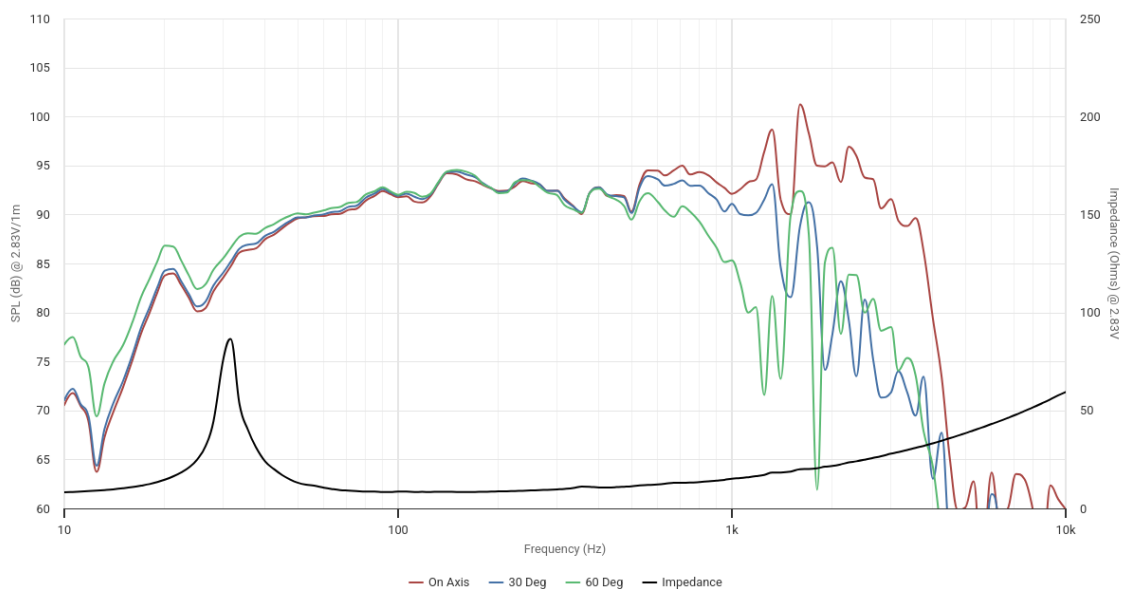


#### SPECIFICATIONS

|  |                     |              |
|--|---------------------|--------------|
| Transducer Size                            | 18                  | in           |
| Impedance                                  | 8                   | $\Omega$     |
| Frequency Range <sup>1</sup>               | 20 - 2000           | Hz           |
| Sensitivity <sup>2</sup> (2.83V   1W @ 1m) | 93.7   93.7         | dB           |
| Power Rating (AES2-1984)                   | 600                 | W            |
| Voice Coil Size                            | 75.7                | mm           |
| Air Gap   Winding Height                   | $H_{ag}$   $H_{vc}$ | 10   35.2 mm |
| Net Weight                                 | 11.6                | kg           |

#### PARAMETERS <sup>3</sup>

|                                       |            |       |                               |
|---------------------------------------|------------|-------|-------------------------------|
| Eff. Piston Area                      | $S_d$      | 1130  | cm <sup>2</sup>               |
| DC Resistance                         | $R_e$      | 6.8   | $\Omega$                      |
| Minimum Impedance                     | $Z_{min}$  | 8.3   | $\Omega$                      |
| Inductance                            | $L_e$      | 1.42  | mH                            |
| Resonance Frequency <sup>4</sup>      | $F_s$      | 33    | Hz                            |
| Mechanical Q Factor                   | $Q_{ms}$   | 15.9  | -                             |
| Electrical Q Factor                   | $Q_{es}$   | 0.602 | -                             |
| Total Q Factor                        | $Q_{ts}$   | 0.58  | -                             |
| Moving Mass                           | $M_{ms}$   | 189   | g                             |
| Compliance                            | $C_{ms}$   | 120   | $\mu\text{m/N}$               |
| Equivalent Volume                     | $V_{as}$   | 220   | L                             |
| Motor Force Factor                    | $Bl$       | 21.1  | Tm                            |
| Motor Efficiency                      | $\beta$    | 65.7  | ( $Bl$ ) <sup>2</sup> / $R_e$ |
| Linear Excursion <sup>5</sup>         | $X_{max}$  | 15.9  | mm                            |
| Max Mechanical Excursion <sup>6</sup> | $X_{mech}$ | 20    | mm                            |



Details on this spec sheet are for reference only and should not be used for setting production limits. Specifications and product cosmetics are subject to change without notice. Peerless is a registered trademark of Tympany Enterprises. All measurements conducted in test lab at 25°C  $\pm$  10°C, 50%RH  $\pm$  10%. <sup>1</sup> Specified by Engineering as linear working range of transducer. <sup>2</sup> Measured at 2.83V at 1m and normalized to 1W with respect to nominal impedance. <sup>3</sup> Measured in Free Air without preconditioning, therefore subject to some deviation. <sup>4</sup> Impedance and  $F_s$  value measured under different conditions. <sup>5</sup> Equal/Overhung:  $(H_{vc} - H_{ag})/2 + H_{ag}/3$ . Underhung:  $(H_{ag} - H_{vc})/2 + H_{vc}/3$ . <sup>6</sup> Mechanically limited excursion (e.g. bottoming, spider crash).