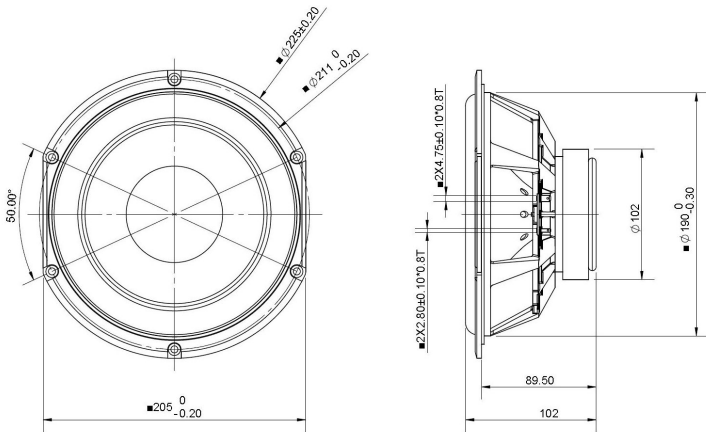


- Cast Aluminum Frame
- Vented Cone Neck
- Polypropylene cone
- Ferrite Magnet
- Large Excursion

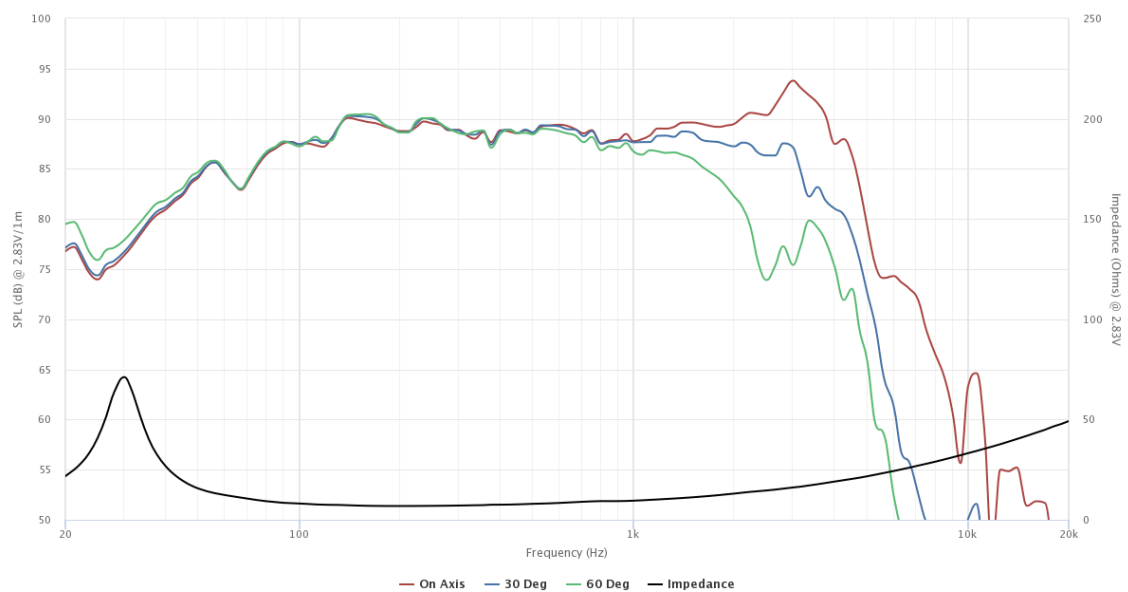


#### SPECIFICATIONS

Transducer Size	8	in
Impedance	8	$\Omega$
Frequency Range <sup>1</sup>	40 - 2000	Hz
Sensitivity <sup>2</sup> (2.83V   1W @ 1m)	88.8   88.8	dB
Power Rating (IEC 268-5)	30	W
Voice Coil Size	32.4	mm
Air Gap   Winding Height	$H_{ag}$   $H_{vc}$	6   17 mm
Net Weight	1.74	kg

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

Eff. Piston Area	$S_d$	227	cm <sup>2</sup>
DC Resistance	$R_e$	5.8	$\Omega$
Minimum Impedance	$Z_{min}$	6.9	$\Omega$
Inductance	$L_e$	0.754	mH
Resonance Frequency <sup>4</sup>	$F_s$	34	Hz
Mechanical Q Factor	$Q_{ms}$	5.68	-
Electrical Q Factor	$Q_{es}$	0.402	-
Total Q Factor	$Q_{ts}$	0.38	-
Moving Mass	$M_{ms}$	28.6	g
Compliance	$C_{ms}$	790	$\mu\text{m/N}$
Equivalent Volume	$V_{as}$	57.6	L
Motor Force Factor	$Bl$	9.34	Tm
Motor Efficiency	$\beta$	15	( $Bl$ ) <sup>2</sup> / $R_e$
Linear Excursion <sup>5</sup>	$X_{max}$	7.5	mm
Max Mechanical Excursion <sup>6</sup>	$X_{mech}$	-	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 ±10°C, 50%RH ±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).