



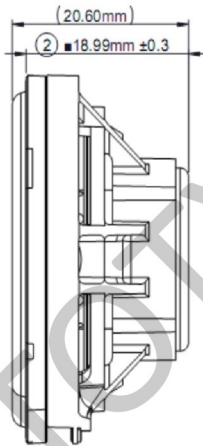
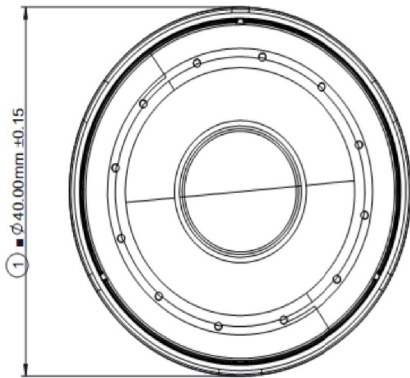
HVS-40N15GG01-04

FULLRANGE

● Neodymium Motor

● Glass Fibre Cone

● Automation

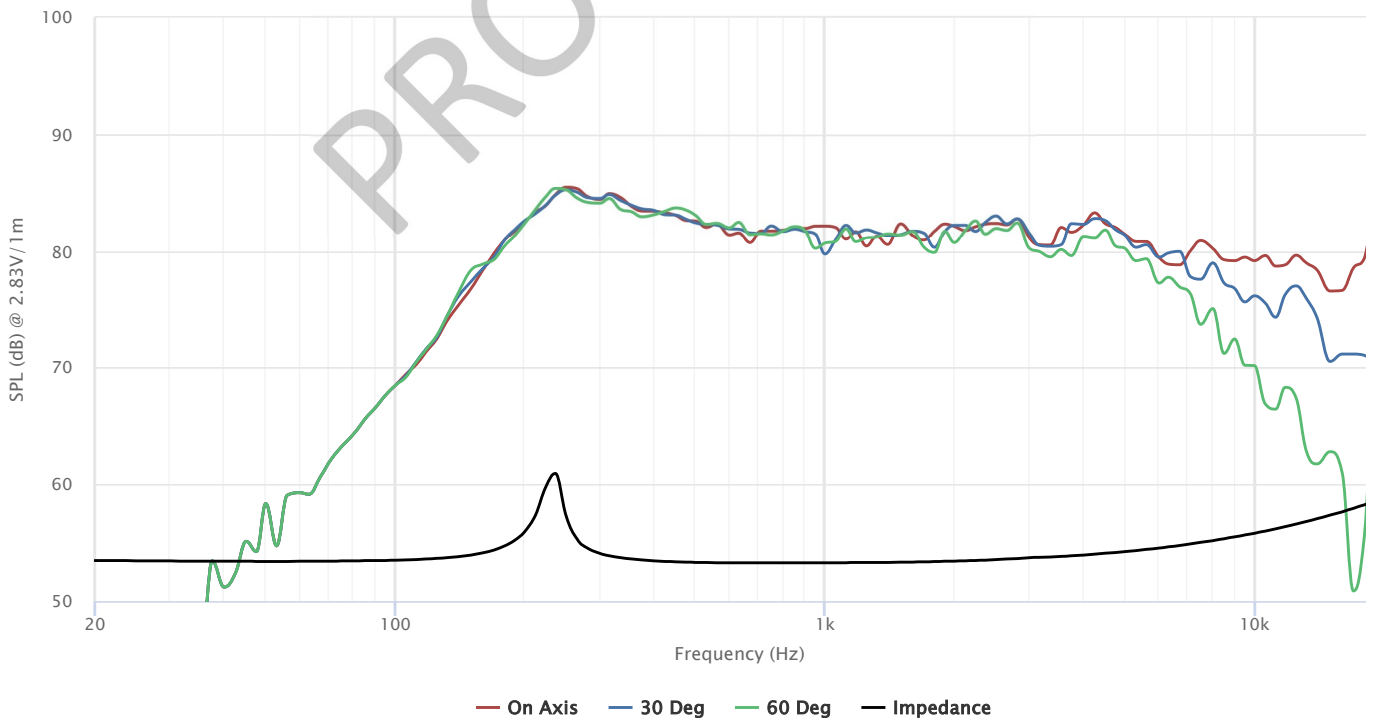


SPECIFICATIONS

Transducer Size	40	mm
Impedance	4	Ω
Frequency Range ¹	200 - 10000	Hz
Sensitivity ² (2.83V 1W @ 1m)	81.8 78.7	dB
Power Rating (IEC 268-5)	4	W
Voice Coil Size	15	mm
Air Gap Winding Height	H _{ag} H _{vc}	2.5 4.04 mm
Net Weight	20.4	g

PARAMETERS³

Eff. Piston Area	S _d	8.55	cm ²
DC Resistance	R _e	3.2	Ω
Minimum Impedance	Z _{min}	3.3	Ω
Inductance	L _e	0.046	mH
Resonance Frequency ⁴	F _s	220	Hz
Mechanical Q Factor	Q _{ms}	7.21	-
Electrical Q Factor	Q _{es}	1.87	-
Total Q Factor	Q _{ts}	1.5	-
Moving Mass	M _{ms}	0.775	g
Compliance	C _{ms}	690	μm/N
Equivalent Volume	V _{as}	0.071	L
Motor Force Factor	Bl	1.35	Tm
Motor Efficiency	β	0.566	(Bl) ² / R _e
Linear Excursion ⁵	X _{max}	1.6	mm
Max Mechanical Excursion ⁶	X _{mech}	2.7	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%. ¹ Specified by Engineering as linear working range of transducer. ² Measured at 2.83V at 1m and normalized to 1W with respect to nominal impedance. ³ Measured in Free Air without preconditioning, therefore subject to some deviation. ⁴ Impedance and F_s value measured under different conditions. ⁵ Equal/Overhung: (H_{vc} - H_{ag})/2 + H_{ag}/3. Underhung: (H_{ag} - H_{vc})/2 + H_{vc}/3. ⁶ Mechanically limited excursion (e.g. bottoming, spider crash).