



# FSL-0615R02-08

## PROFESSIONAL WOOFER

- Pressed Steel Basket
- Paper Diaphragm
- Fabric Surround
- Ferrite Magnet
- High Sensitivity

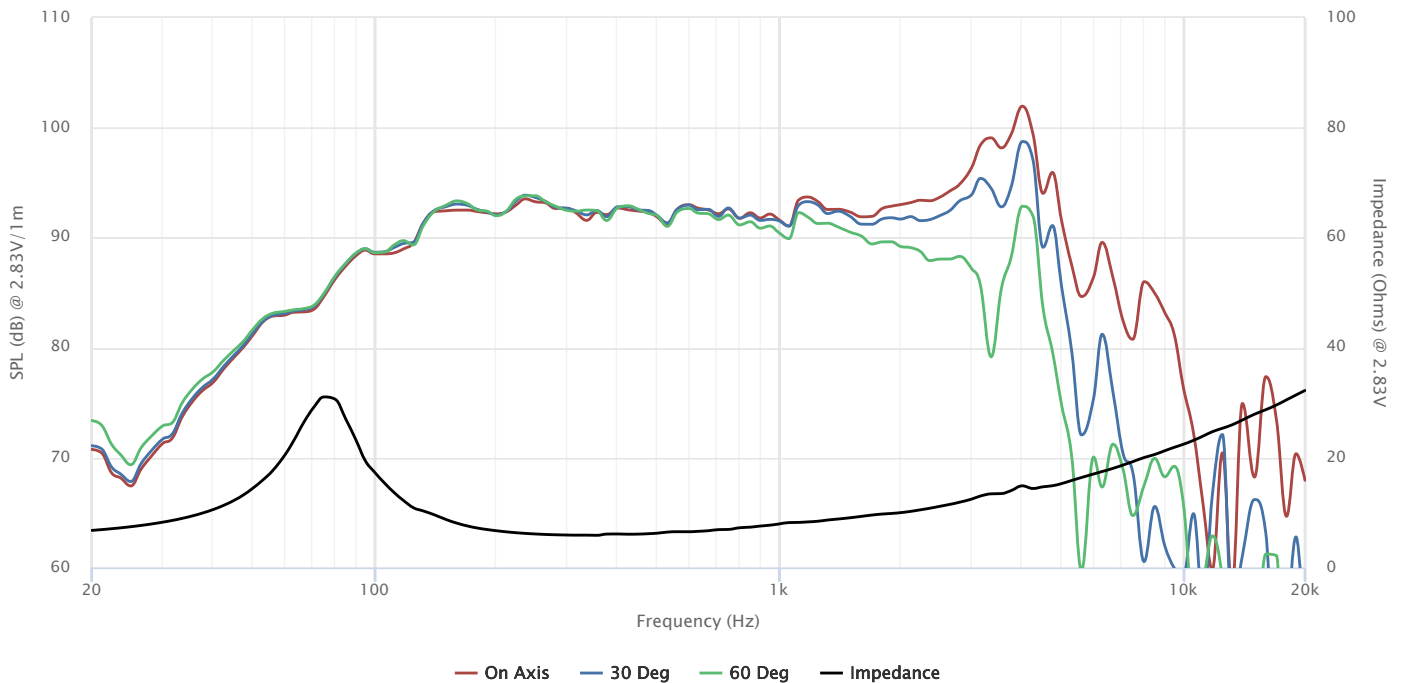
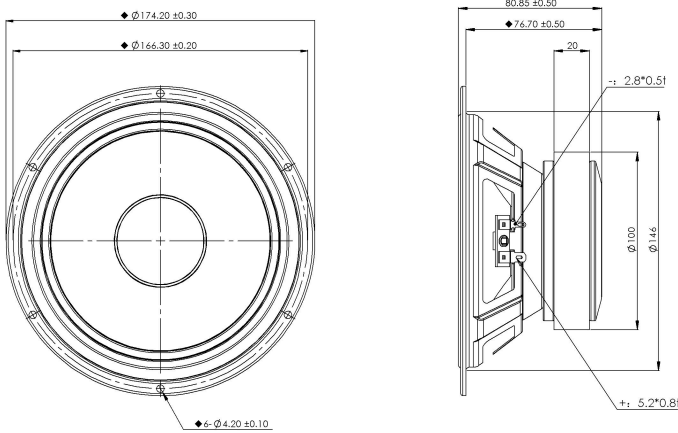


### SPECIFICATIONS

<b>Transducer Size</b>	6.5	in
<b>Impedance</b>	8	$\Omega$
<b>Frequency Range <sup>1</sup></b>	100 - 2500	Hz
<b>Sensitivity <sup>2</sup> (2.83V   1W @ 1m)</b>	92   92	dB
<b>Power Rating (AES2-1984)</b>	75	W
<b>Voice Coil Size</b>	38.4	mm
<b>Air Gap   Winding Height</b>	$H_{ag}$   $H_{vc}$	6   11.4
<b>Net Weight</b>	1.48	kg

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

<b>Eff. Piston Area</b>	$S_d$	113	cm <sup>2</sup>
<b>DC Resistance</b>	$R_e$	5.1	$\Omega$
<b>Minimum Impedance</b>	$Z_{min}$	5.9	$\Omega$
<b>Inductance</b>	$L_e$	0.346	mH
<b>Resonance Frequency <sup>4</sup></b>	$F_s$	82	Hz
<b>Mechanical Q Factor</b>	$Q_{ms}$	3.03	-
<b>Electrical Q Factor</b>	$Q_{es}$	0.509	-
<b>Total Q Factor</b>	$Q_{ts}$	0.44	-
<b>Moving Mass</b>	$M_{ms}$	10	g
<b>Compliance</b>	$C_{ms}$	380	$\mu\text{m/N}$
<b>Equivalent Volume</b>	$V_{as}$	6.91	L
<b>Motor Force Factor</b>	$Bl$	7.14	Tm
<b>Motor Efficiency</b>	$\beta$	10.1	$(Bl)^2 / R_e$
<b>Linear Excursion <sup>5</sup></b>	$X_{max}$	4.7	mm
<b>Max Mechanical Excursion <sup>6</sup></b>	$X_{mech}$	12.5	mm



Highcharts.com

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 Tymphany 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).