

Peerless NE95W-04 4Ω



3" / 76 mm  
NOMINAL DIAMETER

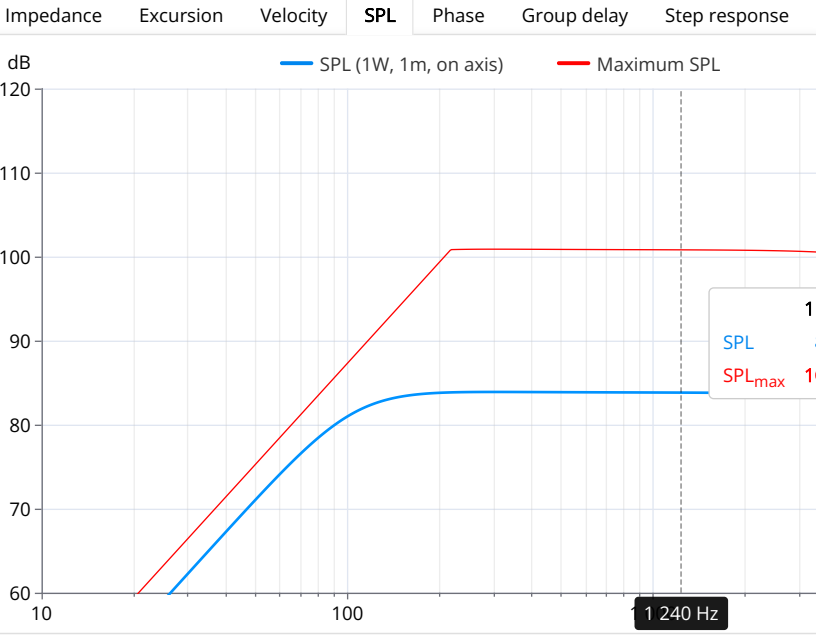
110 Hz  
RESONANCE

0.75  
Q FACTOR

83.9 dB  
SENSITIVITY

± 3.1 mm  
LINEAR EXCURSION

PRC



Available on (affiliate link)

[Parts Express](#)

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Specifications

Sensitivity (1W, 1m, infinite baffle)	SPL <sub>1W</sub> 83.9 dB
Frequency response	80 - 20000 Hz

Thiele & Small parameters

Resonance frequency (free air)	f <sub>S</sub> 110 Hz
Mechanical quality factor	Q <sub>MS</sub> 11.60
Electrical quality factor	Q <sub>ES</sub> 0.80
Total quality factor	Q <sub>TS</sub> 0.75

Large signal parameters

Maximum linear excursion	x <sub>max</sub> 3.1 mm
Air volume displaced at x <sub>max</sub>	V <sub>D</sub> 8.8 cm <sup>3</sup>
Power handling	P 25 W
Program power	P <sub>max</sub> 50 W

Voice Coil

Nominal impedance	Z 4 Ω
DC resistance	R <sub>E</sub> 3.7 Ω
Inductance (1kHz)	L <sub>E</sub> 0.07 mH
VC Diameter	25.7 mm

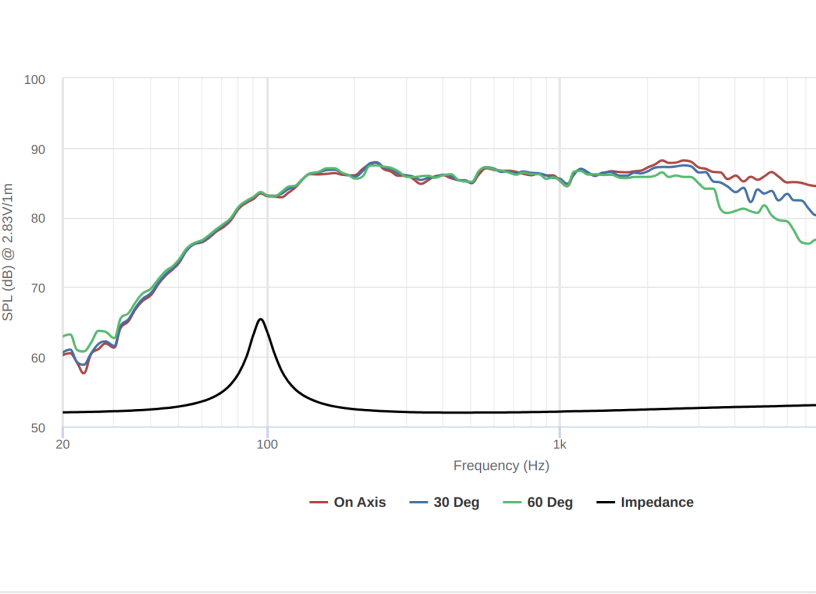
Magnet

Force factor	Bl 2.71 N/A
Motor constant	Bl/√R <sub>E</sub> 1.41 N/√W
Air gap height	H <sub>AG</sub> 4 mm
Material	Neodymium

Diaphragm

Effective diameter	60 mm
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SPL & Impedance



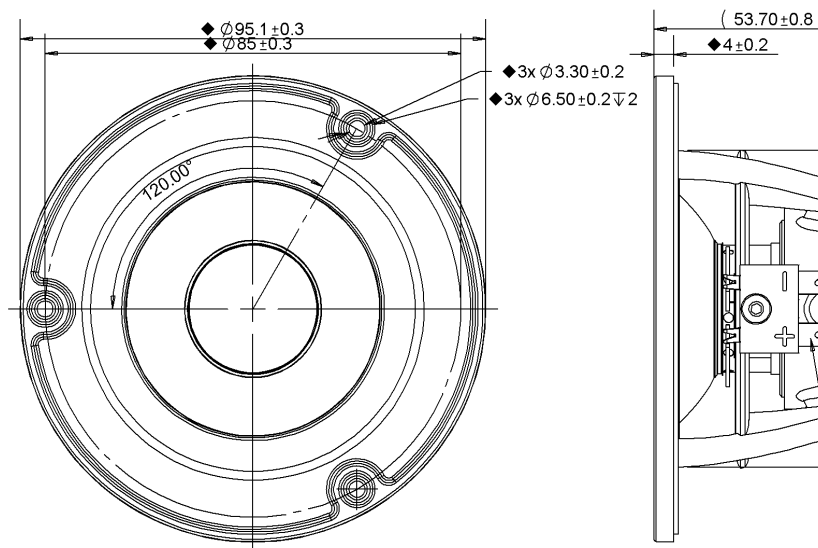
Effective area	$S_D$	28.7 cm <sup>2</sup>
Moving mass	$M_{MS}$	2.41 g
Moving mass (without air load)	$M_{MD}$	2.3 g
Material	Aluminum	

### Suspensions

Stiffness	$K_{MS}$	1.05 N/mm
Compliance	$C_{MS}$	950 μm/N
Equivalent volume to the compliance	$V_{AS}$	1.11 L
Mechanical resistance	$R_{MS}$	0.14 N·s/m

### Dimensions

Nominal diameter	3"
	76 mm
Net weight	0.238 kg
Frame material	Cast Aluminium



Free EDI Onboard  
Guide

Comarch

Export this driver to a simulation software:

Closed Box Simulator

WinISD

Basta!

Hornresp

QSpeaker

MfbLabs

Speakerbench

### Similar speaker drivers to Peerless NE95W-04




**Wavecor WF090WA01** 4 Ω

3.5" Mid-range  $f_s$  109 Hz  $S_D$  36 cm<sup>2</sup>

109 - 5000 Hz  $Q_{TS}$  0.76  $x_{max}$  2.8 mm

$SPL_{1W}$  84.3 dB  $BL/\sqrt{R_E}$  1.65  $P_{max}$  15 W



**Peerless PLS-75F25AL02-08** 8 Ω

3" Full-range  $f_s$  100 Hz  $S_D$  28.9 cm<sup>2</sup>

60 - 16000 Hz  $Q_{TS}$  0.74  $x_{max}$  3.4 mm

$SPL_{1W}$  83.3 dB  $BL/\sqrt{R_E}$  1.43  $P_{max}$  50 W




**Wavecor FR084WA01**

3.5" Mid-range  $f_s$  109 Hz

109 - 20000 Hz  $Q_{TS}$  0.79

$SPL_{1W}$  84 dB  $BL/\sqrt{R_E}$  1.6




**Wavecor FR090WA01** 4 Ω

3.5" Mid-range  $f_s$  113 Hz  $S_D$  36 cm<sup>2</sup>

113 - 20000 Hz  $Q_{TS}$  0.85  $x_{max}$  2.3 mm

$SPL_{1W}$  83.9 dB  $BL/\sqrt{R_E}$  1.54  $P_{max}$  20 W




**Hertz MP 70.3 PRO** 4 Ω

3" Mid-range  $f_s$  110 Hz  $S_D$  31.7 cm<sup>2</sup>

180 - 18000 Hz  $Q_{TS}$  0.82  $x_{max}$  1.5 mm

$SPL_{1W}$  83.6 dB  $BL/\sqrt{R_E}$  1.46  $P_{max}$  100 W



**FaitalPRO 3FE25 8Ω**

3" Full-range  $f_s$  110 Hz

100 - 20000 Hz  $Q_{TS}$  0.66

$SPL_{1W}$  85.4 dB  $BL/\sqrt{R_E}$  1.45

**FaitalPRO 3FE25 16Ω**

3" Full-range

 $f_s$  110 Hz $S_D$  33 cm<sup>2</sup>

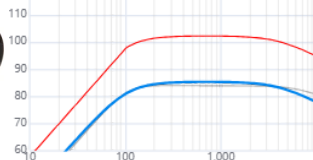
100 - 20000 Hz

 $Q_{TS}$  0.83 $x_{max}$  1.8 mmSPL<sub>1W</sub> 84.5 dBBI/√R<sub>E</sub> 1.28P<sub>max</sub> 40 W**Peerless HDS-P830870**

4" Woofer

 $f_s$  100 Hz $S_D$  56.8 cm<sup>2</sup>

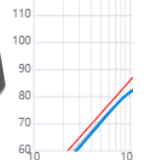
100 - 4000 Hz

 $Q_{TS}$  0.60 $x_{max}$  5 mmSPL<sub>1W</sub> 85.2 dBBI/√R<sub>E</sub> 2.14P<sub>max</sub> 50 W**Wavecor FR084WA02**

3.5" Mid-range

 $f_s$  110 Hz

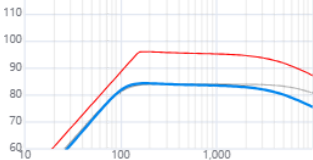
110 - 20000 Hz

 $Q_{TS}$  0.88SPL<sub>1W</sub> 84 dBBI/√R<sub>E</sub> 1.48**Wavecor WF090WA02**

3.5" Mid-range

 $f_s$  110 Hz $S_D$  36 cm<sup>2</sup>

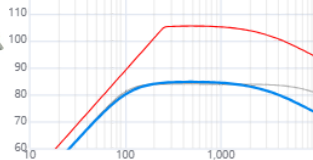
110 - 5000 Hz

 $Q_{TS}$  0.89 $x_{max}$  2.8 mmSPL<sub>1W</sub> 84.1 dBBI/√R<sub>E</sub> 1.49P<sub>max</sub> 15 W**SICA 4 L 1 SL**

4" Woofer

 $f_s$  108 Hz $S_D$  44.2 cm<sup>2</sup>

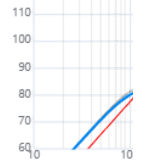
110 - 10000 Hz

 $Q_{TS}$  0.63 $x_{max}$  2.4 mmSPL<sub>1W</sub> 84.7 dBBI/√R<sub>E</sub> 2.08P<sub>max</sub> 120 W**Fountek FR88**

3.5" Full-range

 $f_s$  105 Hz

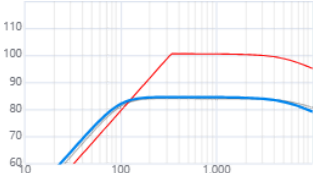
100 - 25000 Hz

 $Q_{TS}$  0.60SPL<sub>1W</sub> 84.2 dBBI/√R<sub>E</sub> 1.24**MONACOR SPX-30M**

3" Full-range

 $f_s$  100 Hz $S_D$  32 cm<sup>2</sup>

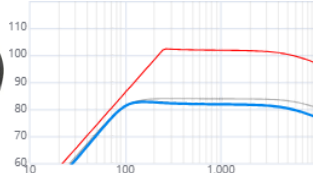
100 - 20000 Hz

 $Q_{TS}$  0.71 $x_{max}$  1.1 mmSPL<sub>1W</sub> 84.4 dBBI/√R<sub>E</sub> 1.21P<sub>max</sub> 40 W**SEAS H1600-08 FU10RB**

4" Full-range

 $f_s$  102 Hz $S_D$  38.5 cm<sup>2</sup>

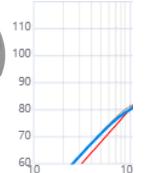
100 - 20000 Hz

 $Q_{TS}$  0.96 $x_{max}$  2 mmSPL<sub>1W</sub> 82.7 dBBI/√R<sub>E</sub> 1.41P<sub>max</sub> 100 W**Dayton Audio DW3-1053SC**

3" Full-range

 $f_s$  100 Hz

100 - 18000 Hz

 $Q_{TS}$  0.62SPL<sub>1W</sub> 83.7 dBBI/√R<sub>E</sub> 1.31

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