



# Peerless Data Sheet

Type: HDS EXCLUSIVE 205 WR 102 NWP AL CU PH LS 8 OHM - 830884



### Electrical data

Nominal impedance	Zn	8 (ohm)
Minimum imp./at freq.	Zmin	6.5/224 (ohm/Hz)
Maximum impedance	Zo	45.7 (ohm)
Dc resistance	Re	5.8 (ohm)
Voice coil inductance	Le	1.4 (mH)

### TS Parameters

Resonance Frequency	fs	32.4 (Hz)
Mechanical Q factor	Qms	3.00
Electrical Q factor	Qes	0.44
Total Q factor	Qts	0.38

Force factor	Bl	8 (Tm)
Mechanical resistance	Rms	1.61 (Kg/s)
Moving mass	Mms	23.7 (g)
Suspens. compliance	Cms	1.02 (mm/N)
Effective cone diam.	D	16.8 (cm)
Effective piston area	Sd	221 (cm <sup>2</sup> )
Equivalent volume	Vas	68.8 (ltrs)
SPL 2.83V/1m at fmin		89.3 (dB)

### Power handling

100h RMS noise test (IEC) - (W)  
 Longterm Max System Power (IEC) - (W)  
 IEC268-5 noise signal is used for the powertest.

### Voice coil and magnet parameters

Voice coil diameter	33.0 (mm)
Voice coil length	17.0 (mm)
Voice coil layers	2
Height of the gap	6.0 (mm)
Linear excursion +/-	5.5 (mm)
Max mech. excursion +/-	- (mm)
Total useful flux	1.1 (mWb)
Diameter of magnet	102 (mm)
Height of magnet	20 (mm)
Weight of magnet	0.68 (kg)

### Factors

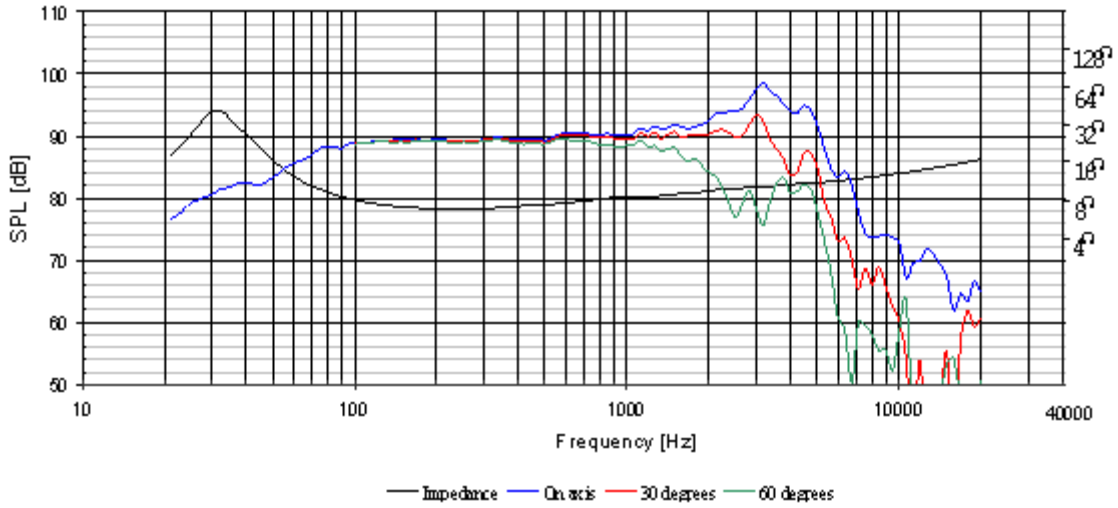
Ratio fs/Qts	85
Ratio BL/sqrt(Re)	3.3

### Special remarks

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### Remarks on powertest

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Measuring methods and conditions are stated in Peerless Standard for Acoustic Measurements (PSAM)