Peerless Data Sheet

HDS 134

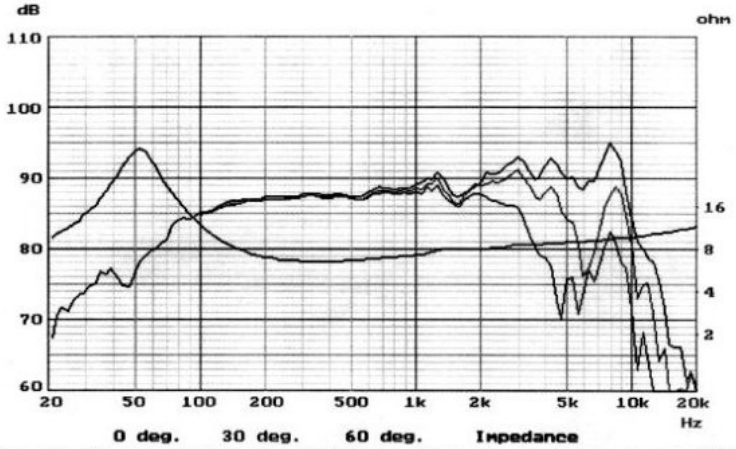
134 WR 26 90 SD AL CU PH 8 ohm - Order ID: 850489

A High End mid-woofer with rigid aerodynamic cast aluminium basket profile, and ventilated spider. The phaseplug eliminates compression under the dust cap and serves as heat sink for the coil to reduce power compression. The three or five layer sandwich cone improves accuracy and consistency of sound reproduction over the entire frequency range, creating a more "musical" driver. The doublebonded dustcap ensures that the dustcap will respond to every coil movement in a way never seen before. Another feature of the driver is its very low distortion magnet system with aluminium shortening ring and copper capped pole piece which both contribute as heatsinks for the voice coil, reducing power compression.

HDS 134

Thiele Small parameters:			Free air	Common	Baffled
Nominal impedance	Zn	(ohm)		8	
Minimum impedance/at freq.	Zmin	(ohm/Hz)		8.6/335	
Maximum impedance	Zo	(ohm)		42.9	
DC resistance	Re	(ohm)		5.8	
Voice coil inductance	Le	(mH)		1.0	
Capacitor in series with 8 ohm (for impedance compensation)	Cc	(µF)		8	
Resonance Frequency	fs	(Hz)	53.2		52.2
Mechanical Q factor	Qms		2.83		2.88
Electrical Q factor	Qes		0.44		0.45
Total Q factor	Qts		0.38		0.39
F (Ratio fs/Qts)	F	(Hz)			133
Mechanical resistance	Rms	(Kg/s)		1.23	
Moving mass	Mms	(g)	10.4		10.8
Suspension compliance	Cms	(mm/N)		0.86	
Effective cone diameter	D	(cm)		10.5	
Effective piston area	Sd	(cm²)		86	
Equivalent volume	VAS	(ltrs)		8.8	
Force factor	Bl	(N/A)		6.8	
Reference voltage sensitivity Re 2.83V 1m at 335 Hz (Measured)		(dB)			87.9

Magnet and voice coil parameters:			
Voice coil diameter	d	(mm)	26
Voice coil length	h	(mm)	13
Voice coil layers	n		2
Flux density in gap	B	(T)	-
Total useful flux		(mWb)	-
Height of the gap	hg	(mm)	6
Diameter of magnet	dm	(mm)	90
Height of magnet	hm	(mm)	15
Weight of magnet		(kg)	0.4



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