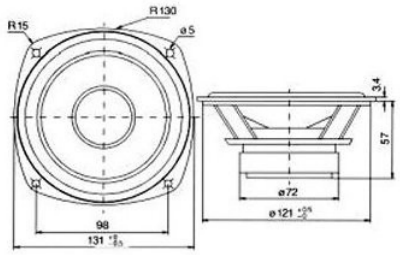
Peerless

5" WOOFER

832592

130 WR 26 72 PPB 8Ω



A 5" woofer with die-cast basket, black polypropylene cone and rubber surround. A small woofer which is not only well designed but also has got excellent data and a smooth response due to a low loss resonance-free rubber surround. It can be used in two-way-systems in boxes of 5-10 ltrs. and in spite of its small size it gives a really good bass. It is also very suitable in even smaller boxes as satellites supplemented with a subwoofer to add deep bass. Can furthermore be used as midrange in three-way-systems.

Thiele Small parameters:			Free air	Common	Baffled
Nominal impedance	Znom	(Ω):		8.0	
Minimum impedance/at freq.	Zmin	(Ω/Hz):		6.7/298	
Maximum impedance	Zo	(Ω):		29.1	
Dc resistance	Re	(Ω):		6.1	
Voice coil inductance	Le	(mH):		1.1	
Capacitor in series with 8Ω (For impedance compensation)	Cc	(μF):		9	
Resonance frequency	fs	(Hz):	54.9		52.9
Mechanical Q factor	Qms	:	2.07		2.15
Electrical Q factor	Qes	:	0.55		0.57
Total Q factor	Qts	:	0.43		0.45
F (Ratio fs/Qts)	F	(Hz):			117
Mechanical resistance	Rms	(kg/s):		1.30	
Moving mass	Mms	(g):	7.8		8.4
Suspension compliance	Cms	(mm/N):		1.08	
Effective cone diameter	D	(cm):		10.4	
Effective piston area	Sd	(cm²):		85.0	
Equivalent volume	Vas	(ℓ):		11.0	
Force factor	BL	(N/A):		5.5	
Reference Voltage Sensitivity Re 2.83V Im at 298 Hz (Calculated)		(dB):			86.9

Magnet and voice coil parameters:			
Voice coil diameter	d	(mm):	26
Voice coil length	h	(mm):	10.0
Voice coil layers	n	:	2
Flux density in gap	B	(T):	0.94
Total useful flux	Φ	(mWb):	0.64
Height of the gap	hg	(mm):	6
Diameter of magnet	dm	(mm):	72
Height of magnet	hm	(mm):	15
Weight of magnet		(kg):	0.23

Power handling:

Longterm Max System Power (IEC)	(W):	100
Max linear SPL (rms)/by power	(dB/W):	102/100
Frequency range for test signal:		20-5000 Hz

Normal programme material signal with a crest factor of 6dB (IEC 268-5) is used in both tests