P220

Passive radiator

DOMEMATERIAL: ALUMINIUM
APPLICATION: PASSIVE RADIATOR
NOMINAL DIAMETER: 220 mm

MAIN FEATURES :

- EASY EXTRA MASS SCREW MOUNT
- SOFT RUBBER SURROUND
- LOW LOSS SPIDER AND SURROUND
- WIDEBAND RESONANCE TUNING
- 20 HZ - 60 HZ

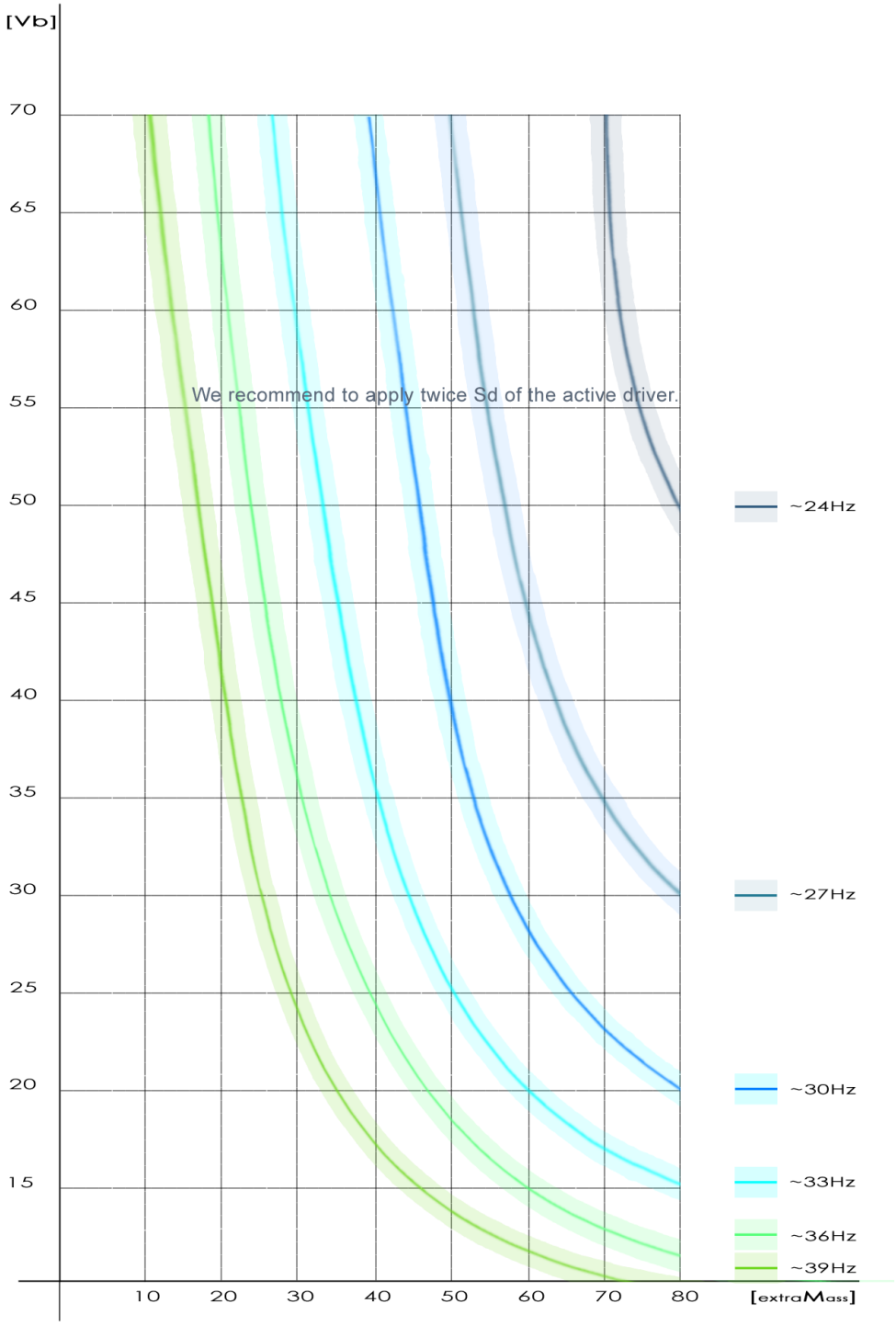
The **P220** is an 8 inch passive radiator with aluminium dome.

Extra mass can easily be added to tune the resonance frequency. A simple screw mount provides fixing of stainless steel discs in the desired quantity.

The values of Vas and Cms allow for extensive tuning and various box sizes.

Please note, that the resulting resonance frequency is NOT a constant with all spiders used today. This is why we use graph areas in the diagramm. It depends on the excursion of the dome, because all spiders have a progressive characteristic. The Cms value rises by a factor of approximately 2 at 6mm excursion. Therefor, the excursion should be kept low by applying enough piston area.

The stated resonance frequency of the passive radiator is taken at 3mm excursion, offering a realistic value.



Get more info about passive radiators here: www.accuton.de/media/whitepaper/passive%radiators

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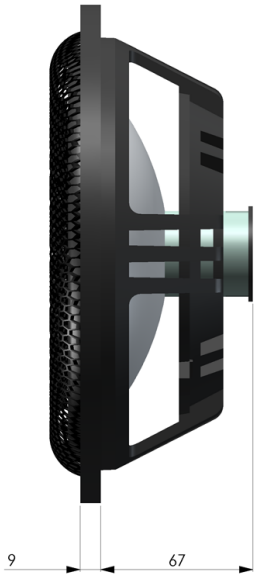

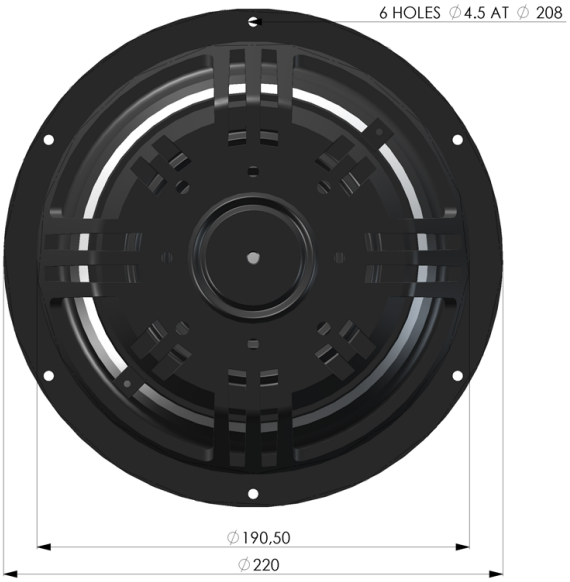

accuton®

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Mechanical data

Overall diameter	220	mm
Cutout hole diameter	190.5	mm
Frontplate depth	9	mm
Overall depth	76	mm
Motor assembly diameter	-	mm
Motor assembly depth	-	mm
Screw fitting	DIN 7984, 4mm	
Terminal		mm
Shipping weight / net weight	0.96 / 0.64	kg
Shipping box size	250 / 145 / 250	mm

Thiele/Small Parameters

Sensitivity (2.83V / 1m)	Lp	-	dB
DC-resistance	Re	-	Ohm
Resonance frequency	Fs	41	Hz
Equivalent volume of air	Vas	26.5	L
Mechanical Q	Qms	-	
Electrical Q	Qes	-	
Total Q	Qts	-	
Effective piston area	Sd	224	cm²
Moving mass	Mms	23.4	g
Suspension compliance	Cms	0.64	mm/N
Mechanical resistance	Rms	-	kg x s

Voice Coil data

Power handling	P		Watt
Linear excursion	Xmax	+/- 11	mm
Voice coil diameter		-	mm
Voice coil former material		-	
Voice coil material		-	
Voice coil inductance	Le	-	mH
Force factor	Bl	-	N/A
Motor type		-	
Ferrofluid filling		no	

* Please refer to www.accuton.com for exact measurement conditions and further information.

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