

C173-6-090

Midrange driver

DOMEMATERIAL:	CERAMIC
APPLICATION:	MIDRANGE
NOMINAL DIAMETER:	173 mm
SENSITIVITY:	93 dB

MAIN FEATURES :

SPECIAL DOME CUTOUTS

UNDERHUNG MOTOR DESIGN

55 MM TITANIUM VC FORMER

SOFT FABRIC SURROUND

VENTED VC, POLE PIECE & SPIDER

80 HZ - 3.2 KHZ IN CLOSED BOX

The **C173 – 6 – 090** is a 6.5 inch midrange driver with ultra hard **ceramic dome**.

Anti-resonant **cutout fills** in the ceramic dome provide for damping of the 6 kHz dome resonance.

A **FEA optimized** underhung motor design with 55 mm titanium voice coil former guarantees very low energy storage and good heat transfer. Its **high force factor** leads to outstanding transient response for more realistic reproduction.

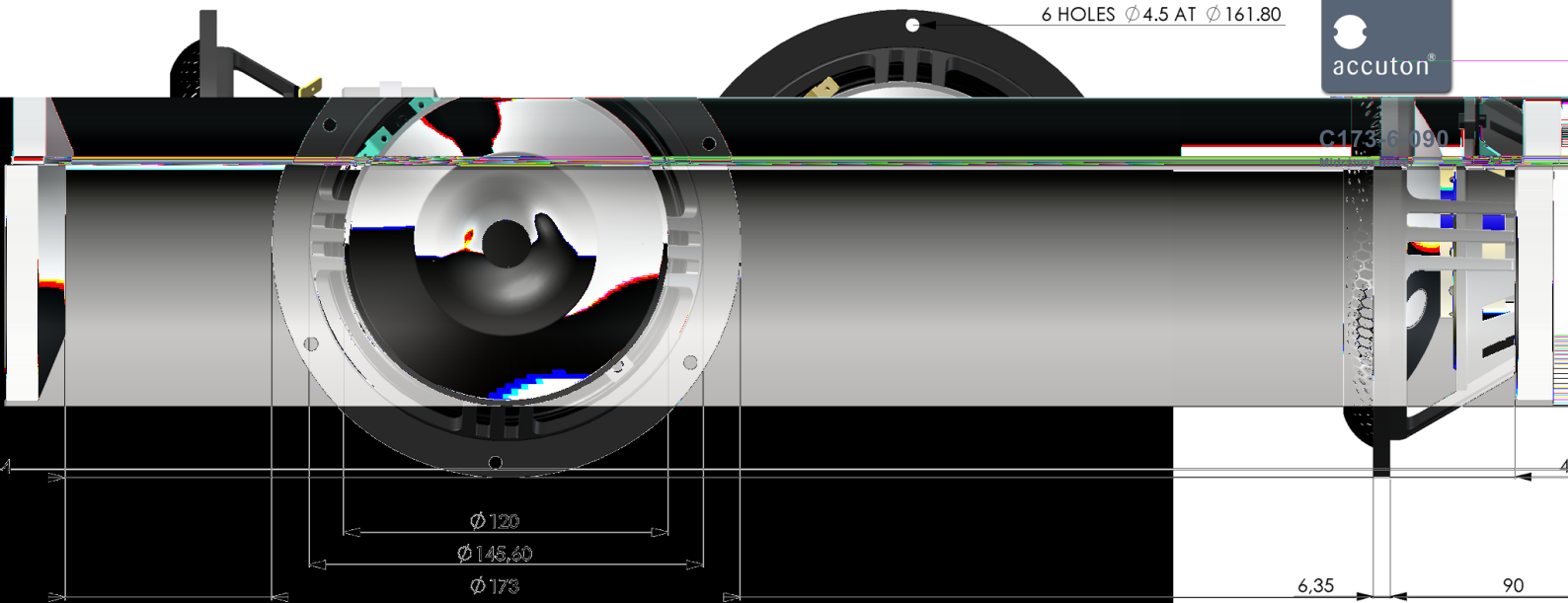
The low loss fabric surround and a **thin fabric spider** center the moving parts with high linearity.

For this amazing midrange driver, we recommend an application from 80 Hz – 3200 Hz.

6 HOLES Ø 4.5 AT Ø 161.80



C173-6-090



Mechanical data

Overall diameter
Cutout diameter
Frontplate depth
Overall depth
Motor assembly diameter
Motor assembly depth
Screw fitting
Terminal
Shipping weight / net weight
Shipping size

	173	mm
	145.6	mm
	6.35	mm
	96.35	mm
	120	mm
	44	mm
	DIN 7984, 4mm	
	+ : 6.3 x 0.8 / - : 4.8 x 0.8	mm
	3.76 / 3.44	kg
	210 / 140 / 210	mm

Thiele/Small Parameters

Sensitivity (2.83V / 1m)
DC-resistance
Resonance frequency
Equivalent volume of air
Mechanical Q
Electrical Q
Total Q
Effective piston area
Moving mass
Suspension compliance
Mechanical resistance

Lp	93*	dB
Re	6.61	Ohm
Fs	57	Hz
Vas	15.5	L
Qms	3.75	
Qes	0.26	
Qts	0.26	
Sd	133	cm ²
Mms	14	g
Cms	0.56	mm/N
Rms	1.32	kg x s

Voice Coil data

Power handling
Linear excursion
Voice coil diameter
Voice coil former material
Voice coil material
Voice coil inductance
Force factor
Motor type
Ferrofluid filling

P	120*	Watt
Xmax	+/- 5	mm
	55	mm
	Ti	
	Cu	
Le	0.19	mH
Bl	11.6	N/A
	Underhung	
	no	

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

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