



S280-6-282 SANDWICH BASS

VENTED BOX DESIGN PARAMETERS:

Vb: 62L, Port diameter: 70mm, Length: 240mm, Fres: 25Hz, F-3dB: 38Hz, Q: 0.58 (optimal)

Vb: 91L, Port diameter: 70mm, Length: 90mm, Fres: 29.5Hz, F-3dB: 31Hz, Q: 0.50 (extended bass)

Vb: 54L, Port diameter: 70mm, Length: 170mm, Fres: 31Hz, F-3dB: 39Hz, Q: 0.61 (0.7dB Ripple @ 50Hz)

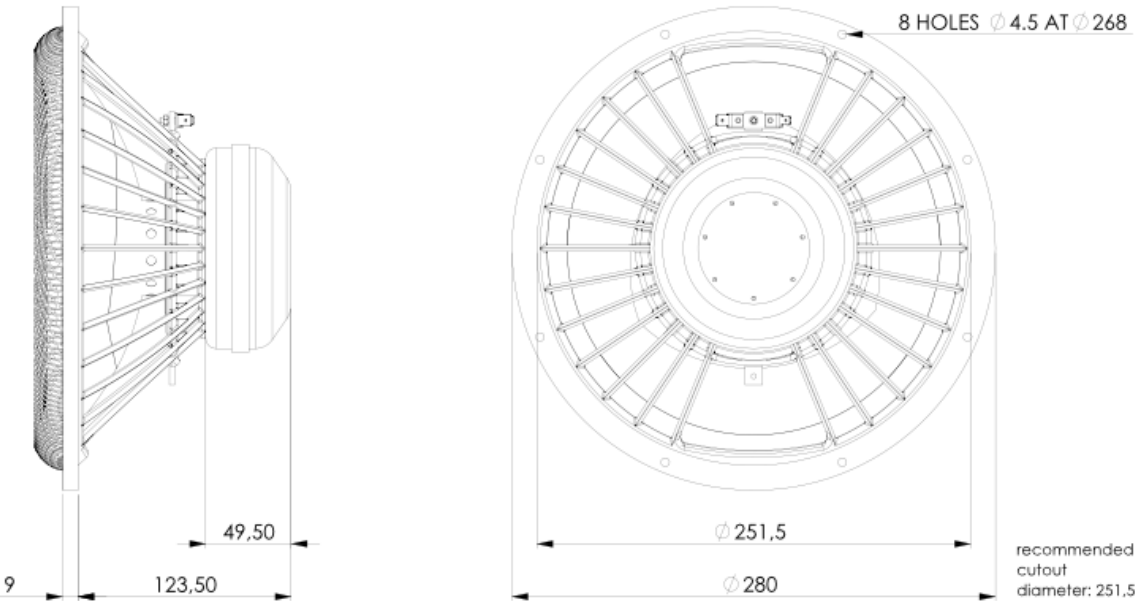
CLOSED BOX DESIGN PARAMETERS:

Vb: 39L, -5dB @ 40Hz, -17dB @ 20Hz, F-3dB: 50Hz, Q: 0.71 (typical)

Vb: 101L, -5dB @ 40Hz, -13dB @ 20Hz, F-3dB: 51Hz, Q: 0.50 (extended bass)

HIGHLIGHTS

- 11 inch sandwich cone bass with high efficiency for 3-way designs.
- Large sized voice coil with 55mm titanium voice coil former.
- Big, underhung 120mm Neodymium magnet system for very low distortion.
- High mechanical Excursion.
- Special multi spoke basket with improved airflow design.



Dome Material	Sandwich
Application	Bass
Overall diameter	280 MM
Cutout Diameter/Square	251.2 MM
Overall depth	131.95 MM
Motor assembly depth	49.5
Motor assembly diameter	120

EIGENSCHAFTEN

- underhung motor design
- 55mm Titanium VC Former
- Special Rubber Surround
- Vented VC, Pole Piece & Spider
- 31 HZ - 1 KHZ in vented Box

MECHANICAL DATA

Specification	Value	Unit
Overall diameter	280	mm
Lochausschnitt	251.2	mm
Min. frontplate thickness	8.45	mm
Overall depth	131.95	mm
Motor assembly depth	49.5	mm
Motor assembly diameter	120	mm
Screwfitting	DIN 7984 / Ø 4.50	mm
Terminal	+: 6.3 x 0.8 / -: 4.8 x 0.8	mm
Shipping weight (pair)	11	Kg
Shipping box size (pair)	300/360/300	mm

THIELE/SMALL PARAMETERS

Specification		Value	Unit
Sensitivity (2.83V / 1m)	Spl	91	dB
DC-resistance	Re	7.1	Ohm
Resonance frequency	Fs	22.8	Hz
Equivalent volume of air	Vas	185.0	ltr
Mechanical Q	Qms	4.91	
Electrical Q	Qes	0.27	
Total Q	Qts	0.26	
Effective piston area	Sd	408	Cm2
Moving mass	Mms	62.5	g
Suspension compliance	CMs	0.78	mm/n
Mechanical resistance	Rms	1.82	Kg*s

VOICE COIL PARAMETERS

Specification		Value	Unit
Power handling	P	150	W
Linear excursion	Xmax	+/-6	mm
Voice coil diameter		55	mm
Voice coil former material		Ti	
Voice coil material		Cu	
Voice coil inductance	Le	0.68	mH
Force factor	Bl	15.3	N/A
Motor type		Underhung	
Ferrofluid filling		No	

FREQUENCY RESPONSE [DB]

