

****FOR INTERNAL USE ONLY****

Model: T3S1-19
Family: Power
Type: SVC Subwoofer
Size: 19 Inches

Power Rating: 3000 Watts (RMS)
Impedance: 1 Ohms Per Coil
Freq. Response: 21 - 250 Hz
SPL (1W/1M): 90.4 dB



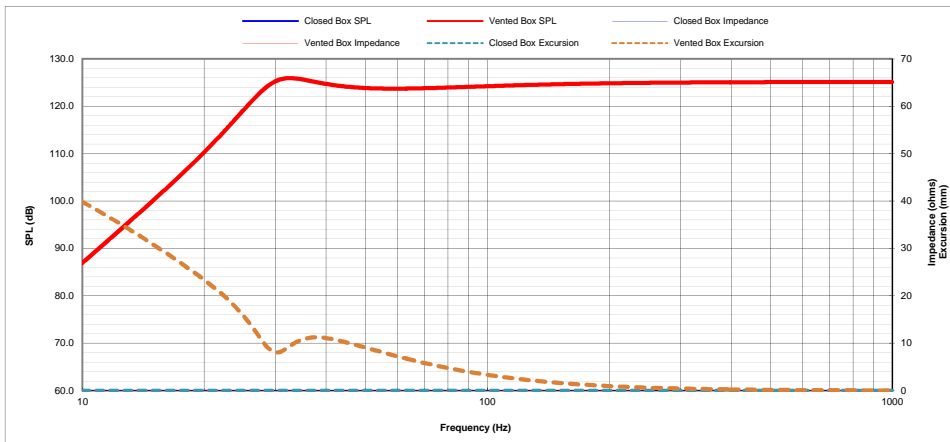
Technical Highlights

- Three Layer Glass Fiber/Aramid Honeycomb/Glass Fiber Cone
- Aluminum Dustcap
- Injection Molded Foam Surround with VAST™
- Proprietary Surround Mechanical Clamping Ring
- Dual Nomex Progressive Spiders with Integrated Lead Wires
- Aluminum Dia Cast Frame with Integrated Heat Sink Fins and Venting
- Custom Push Spring Insulated 4 AWG Terminals
- Single Layer Edge Wound Aluminum 5" Voice Coil
- Single Voice Coil Design with Dual (Push/Pull) Windings
- Integrated Die Cast Aluminum Trim Ring
- Dual Gap Multi-Pole Neodymium Push/Pull Motor Structure
- Designed for Vented Enclosures Only

Recommended Applications

Enclosure	Volume (Vb)		Tuning(Fb) Hz	System (Qtc)	-3dB (F3) Hz	Port Dia.		Port Length	
	Liters	cu.ft.				in.	cm	in.	cm
Sealed:	-	-	-	-	-	-	-	-	-
Ported:	181.2	6.40	30.0	-	26.9	9.4	238	32.3	82.0

SPL & Excursion (at 3000 Watts) / Impedance (at 1 Watt)



Technical Specifications

Voice Coil Diameter:	4.90	124.46	inches	mm
Voice Coil Height:	3.07	78.00	inches	mm
Voice Coil Layers:	1	Layers		
Magnetic Gap Height:	0.39	10.00	inches	mm
Linear Excursion, pk-pk:	2.68	68.00	inches	mm
Max Mech Excursion, pk-pk:	4.72	120.00	inches	mm
Magnet Weight:	115.0	3.26	oz.	kg
Woofer Displacement:	9.70	0.34	liters	cubic ft.
Net Weight:	75.50	34.25	lbs.	kg
Power Rating:	3000	6000	RMS	Peak

Thiele-Small Specifications

	Measured	Published
Fs (Hz):	27.1	27.0
Re (Ohms):	0.81	0.8
Le (mH):	0.45	0.45
Qts: 0.32	0.32	
Qes: 0.38	0.38	
Qms: 1.93	1.93	
Cms (mm/N):	0.03	0.03
Vas (L):	104.9	104.9
Mms (g):	1005	1005
Mmd (g):	0.0	0.0
Rms (kg/s):	101.4	101.4
Airload (g):	1005	1005
No (%):	0.53	0.53
SPL (dB - 1W/1M):	90.4	91.0
SPL (dB - 2.8V/1M):	93.4	94.0
BL (T*M):	19.23	19.23
*Xmax10 (mm):	34.0	34.0
Sd (cm2):	1472	1472
EBP:	71	71
Krm (mOhms):	0.00	0.00
Erm:	0.00	0.00
Kxm (mH):	0.00	0.00
Exm:	0.00	0.00
Rem (Ohms):	0.00	0.00

* All parameters are derived using a laser velocity measurement method and verified with actual measured Mmd and Re. All dual voice coil models are wired in series. Low freq. in Freq Response is derived from 1/2 Oct. below driver Fs. Xmax₁₀ represents actual effective excursion at <10% THD.