



# SAVARD Speakers High Output Elite 12" D1\_D2 Subwoofer



Products

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Service

Below are details for our New High Output Elite Series. The primary upgrade to the Elite series is the USA made Voice Coil consisting of an aluminum for increased heat dissipation. The USA coil is a Flat wound Wire with an industry leading 500 + degree epoxy allowing for higher heat tolerances. In addition to increased heat, the aluminum coil assembly is lighter weight providing an increased transience response. This results in an increase of cone responsiveness providing a tighter bass note suitable for various genres of music. Thank you for considering SAVARD Speakers Systems. We are a specialty 12V/Audio supplier servicing many different environments across the USA and internationally. We service residential, commercial, and maritime applications.

## H.O. 12" Elite D1 Specifications:

- **Nomial Diameter: 12"**
- **Power Handling:**
  - RMS: 2000 watts
  - Recommend power range: See Chart Below
- **Impedance: Dual 1 Ohm**
- **Frequency Response: 18 Hz - 120 Hz**
- **Sensitivity: 84.21 dB - 1watt/1meter**
- **Sensitivity: 90.46 dB SPL 2.83 vRMS**
- **3" Heavy Duty USA Made Coil Assembly**
- **Displacement: 0.16 cuft**
- **37mm XMAX In One Direction; 74mm Overall**
- **300 oz Y35 Magnet** (be cautious of competitors ratings: they may include additional motor parts to inflate weight. We count only the real magnet material)
- **Thiele and Small Parameters: \*PRE Break-In\***
- **Resonant Frequency (Fs): 42.09 Hz**
- **DC Resistance (Re): 1.9 Ohm (series wiring)**
- **Voice Coil Inductance (Le) : 1.36mH @ 1kHz**
- **Mechanical Q (Qms): 6.167**
- **Electromagnetic Q (Qes): 0.769**
- **Total Q (Qts): 0.683**
- **Compliance Equivalent Volume (Vas): 0.6 cubic feet**
- **Mechanical Compliance of Suspension (Cms): 0.05mm/N**
- **BL Product (BL): 13.4 Tm**
- **Diaphragm Mass w/Airload (Mms): 274 grams**
- **SD: 74.29 sq in**

## H.O. 12" Elite D2 Specifications:

- **Nomial Diameter: 12"**
- **Power Handling:**
  - RMS: 2000 watts
  - Recommend power range: See Chart Below
- **Impedance: Dual 2 Ohm**
- **Frequency Response: 18 Hz - 120 Hz**
- **Sensitivity: 84.45 dB - 1watt/1meter**
- **Sensitivity: 87.86 dB SPL 2.83 vRMS**
- **3" Heavy Duty USA Made Coil Assembly**
- **Displacement: 0.16 cuft**
- **37mm XMAX In One Direction; 74mm Overall**
- **300 oz Y35 Magnet** (be cautious of competitors ratings: they may include additional motor parts to inflate weight. We count only the real magnet material)
- **Thiele and Small Parameters: \*PRE Break-In\***
- **Resonant Frequency (Fs): 44.61 Hz**
- **DC Resistance (Re): 3.65 Ohm (series wiring)**
- **Voice Coil Inductance (Le) : 2.85mH @ 1kHz**
- **Mechanical Q (Qms): 6.809**
- **Electromagnetic Q (Qes): 0.777**
- **Total Q (Qts): 0.679**
- **Compliance Equivalent Volume (Vas): 0.54 cubic feet**
- **Mechanical Compliance of Suspension (Cms): 0.05mm/N**
- **BL Product (BL): 18.9 Tm**
- **Diaphragm Mass w/Airload (Mms): 272 grams**
- **SD: 74.29 sq in**

## SAVARD H.O. Series General Features:

- Long strand Kevlar Cone for added strength
- Tall Roll Nomex Surround w/Double Sticking
- Layered Linear Conex spider with reinforced tinsel lead
- Over/Under Removable Rubber Gasket
- Cast Aluminum Frame for added Strength & Heat Dispersion
- Direct voice coil venting through the back plate integrating a chambered pole vent
- 4" Thick High-grade Y35 Grade motor assembly
- Integrated 4 AWG Spring Loaded Terminals
- American Made Voice Coil

## Mounting Information:

- **Overall Diameter: 12.5"**
- **Baffle Cutout Diameter: 11.125"**
- **Mounting Depth: 8.5"**
- **Bolt Pattern Diameter: 11.5"**
- **# of Mounting Holes: 8**

## Top 5 Reasons to Choose SAVARD:

- 100% FREE Domestic Tech Support
- Durable Products
- High Output Technology
- FREE Enclosure Design Support
- The Only Authorized Online SAVARD Products Dealer
- 2-year Savard Speaker Systems Warranty

High Output 12" Recommended Amplifier Power Rating in RMS				
<i>(Choose an amplifier that fits your budget/build, we recommend having extra clean power than not enough)</i>				
1000w	1500w	2000w	2500w	3000w
		Optimum Performance & Safety		
			Operate with Caution at reduced amplifier gain	Operate with Caution at reduced amplifier gain Void Warranty (Clean power, avoid clipping)



For customer testimonials, build sharing, and live community support, We invite you to join the "Official SAVARD Speakers Group" on Facebook. For updates on New Releases and back in stock items, like/follow the SAVARD Speakers Facebook Page.



## SUPPORT FROM SAVARD SPEAKER SYSTEMS

SAVARD offers person to person support with the purchase of this product. A true SAVARD representative will offer Product Support.

- Building your own custom box (Enclosure Design)
- Port design (Box Tuning)
- SAVARD will supply Blue Prints for standard enclosure designs!
- Speaker Placement
- Port Placement
- All general Questions



We are a SAVARD Certified Vendor All warranties and support are backed by SAVARD Speaker Systems LLC.



## BEWARE of Other Vendor Claims

Inflated Peak Power ratings are often exhibited to increase the appeal of the products. SAVARD uses conservative real time ratings. When selecting an amplifier SAVARD recommends reviewing reputable brands vs bargain brands. Please review RMS rating before purchase. Be cautious of inadequate service and support from some non-authorized vendors. SAVARD will offer direct support for items sold by this Ebay vendor.

Model/Size	Number of Woofers	Net Enclosure Volume (CuFT)	Sealed/Ported/Bandpass	Port Area & Length	Comments
<b>High Output Series</b>					
HO 12"	1	1.25 (+/- 20%)	Sealed	Sealed	Miniature Cabinet/Clean Response
HO 12"	1	1.9 (+/- 20%)	Ported @ 35Hz	33.75"² & 34"L	Increased Bass (+4db @36hz)
HO 12"	1	1 sealed : 1 ported	4th Order @ 58Hz	22.5"² & 14"L	
HO 12"	2	2.0 (+/- 20%)	Sealed	Sealed	Convenient Size w/Clean Response
HO 12"	2	3.0 (+/- 20%)	Ported @ 35Hz	57.4"² & 35.5"L	Increased Bass (+3db @35Hz)
HO 12"	2	1.6 sealed : 1.6 ported	4th Order @ 58Hz	41.25 & 15"L	
HO 12"	3	3.0 (+/- 20%)	Sealed	Sealed	Convenient Size w/Clean Response
HO 12"	3	4.5 (+/- 20%)	Ported @ 34Hz	86.25"² & 36.5"L	Increased Bass (+3db @34Hz)
HO 12"	3	2.6 sealed : 2.6 ported	4th Order @ 58Hz	52.5"² & 10"L	
HO 12"	4	4.0 (+/- 20%)	Sealed	Sealed	Convenient Size w/Clean Response
HO 12"	4	6.0 (+/- 20%)	Ported @ 33Hz	112.5"² & 37.25"L	Increased Bass (+4db @33Hz)
HO 12"	4	3.5 sealed : 3.5 ported	4th Order @ 58Hz	60"² & 7.25"L	



## Shipping/Warranty/Return Policies & Procedures

### Shipping:

- All US orders with a physical address will be shipped using FedEx Ground or FedEx Home Delivery
- Please allow two day handling time

All SAVARD Speakers are covered under a Limited Warranty for a period of (2) Two Year from date of sale. Proof of sale must be returned with defective parts and freight must be prepaid. Applicability of warranty coverage will be determined by SAVARD SPEAKER SYSTEMS.

All defective products will be covered under warranty except the following:

- Physical Damage
- Water Damage
- Abuse, Accident, Misuse or Faulty Installation (Repeated returns for the same damage may be considered abuse unless accompanied by a receipt from professional installer)

\*\*\*\*Warranty is automatically void when purchased from anyone other than franchised SAVARD DEALERS, and/or SHIPPED BACK WITHOUT proper packing (i.e. styrofoam balls, packing peanuts, or any method not stabilizing/securing said product) to ensure the stability of product in question in transit back to SAVARD\*\*\*\*

Warranty Repair or Replacement parts will be returned freight prepaid. Parts not covered under warranty will be repaired or replaced and returns C.O.D. for parts and freight costs.

### Return Procedure

\*\*\*ALL Products Purchased from SAVARD SPEAKER SYSTEMS will have an individual RA form Included within Package, if you require a Return Authorization Form Please Message Us.

Please message Us at Any Point before/during/after return procedures for help

Write the RA number outside of the shipping box to where it is visible upon arrival. Any box without a visible RA number may result in refusal by our receiving department. Put the completed RA FORM inside the box with your item. Any returned item without the completed form will result in delay in processing your request. Please send the item back to us in a standard shipping box with insurance. We are not responsible for any damage or missing items during shipment of the package.

### Disclaimer

There will be NO EXCEPTIONS. Ownership of packages is transferred over to Buyer once package is delivered to a FedEx Location. SAVARD is not responsible for mis-delivery errors via carrier or incorrect shipping information. Shipping is a service you purchase from FedEx along with your order from us, so any shipping issues must be handled between Buyer and FedEx.

Processing Time is 1 to 3 business days, for drop off to FedEx, regardless of shipping service for in stock items. We do not ship on Saturdays, Sundays or Holidays.

You are responsible to file a claim with FedEx. We are not responsible for lost packages during transit. We are not responsible for shipments sent to forwarding services or companies regardless of shipping service selected, if you place an order and your shipping address is a forwarding address you are responsible for contacting your forwarding company or service to locate your shipment.

We are also not responsible to weather related damage or delays. Once package leaves our hands it is completely out of our control.

In the case that your shipment is lost or damaged in transit; Please reach out and We will best assist with filing FedEx Claims. We will work with you to better ensure you have a pleasant experience purchasing from SAVARD.

Please make sure your address is correct before placing order, we will not be responsible for incorrect addresses. Packages are NOT insured. Once again we are not responsible for package once it transfers to FedEx, it is then their responsibility to deliver and handle concerns for shipping delays or lost packages. You will not be refunded for the purchase from us if FedEx loses it. KEEP AN EYE ON YOUR PACKAGE'S TRACKING PROGRESS.

Please make sure all addresses are correct, we will not refund for wrong address on your part.