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## Dynaco st-70 series 3

Steve Hoffman Music Forums Home Forums &gt; Discussions &gt; Audio Hardware &gt; Discussion in 'Audio Hardware' started by BIGGER Dave, Feb 6, 2019. Page 1 of 4 1 2 3 4 Next &gt; Steve Hoffman Music Forums Home &gt; Discussion &gt; Audio Hardware &gt; August 2018 World Cheerleader Review! Dinamo ST-70 Series 3 Stereo Tube Booster Audio Huffer promises to be fulfilled, again. A review by Jeremy R. Kipnis at Kipnis Studios (KSS) there are some peak names that simply stand out in history, even that of high-end stereo music playback. Take Dina's company, which was founded in Philadelphia in October 1955 by None Other than legendary audio inventor David Huffer and his colleague Ade Laurent. Although they started by designing and creating high-quality transformers that happened to work well for musical instruments, their real interest was in making high-end audio components available to the masses at affordable prices. It would be available as both kits (called DynaKit) and amplifiers are fully assembled, with other high-quality audio components to follow. And it was with great pride that the newly renamed Dinko Company rolled out the first ST-70 in 1959. The 35-watt stereo amplifier was fed by four EL-34 outlet tubes running in what we know as superlinear mode; Suitable for audiophiles then burgeoning just a note of the new wave in high fidelity. Thanks to the plethora of stereophonic recordings produced to sell LP tapes and loop-to-loops at the same time, demand for more speakers (versus single-voiced from earlier times) and therefore amplifiers, grew rapidly. And Uffler's simple, efficient, ultralinear design (where the initial coil feeds the screen network) reduced distortion and harmonic noise while increasing audio and seven transparency. The ST-70 was quickly accepted as a poor male McIntosh, leading to an astonishing 350,000 of them being sold before the last one rolled off the assembly line around 1992. That Series 2 model was designed and created by audio valves, was made and sold by Panor Inc., and featured circuit updates, improved parts quality, and even provided a remake of the original ST-70 chassis to make them completely up to the newest specifications. And of course the sound and legendary value of the ST-70 has continued to this day; it has inspired many to copy, and few try to improve over the years, such as Filharmonia SE by Ars Sonum. Well, the jump ahead to 2018 and the owner of the new Huffer brand of products finally (after more than two years of redesign and refinement) produced the ST-70, now continuing its Series 3. In terms of size, it's similar to the original, and series 2. But its improvements at the circuit level, especially refinement in power supply and inlet tube drivers, have led to quite a significant increase in audio across the board. Them and them. Intended improvements, such as the use of military grade, two-way epoxy fiberglass computer boards, multi-combination capacitors, miniature high-capacity electrolytic power supply capacity, and precision metal film resistor, this new unit is \$2,999 From Dinamo (now owned by Radial Engineering Ltd Canada), one of the few worth listening to is new, and with deep respect for David Huffer and Ed Laurent for his significant sonic amplifier legacy that is now in his 63rd year. The large ish features of the well-marked Dynaco box (18 x 19 x 26 inches) were a bit heavy at 42 pounds., befitting the booster was able to distinguish itself in my controlled studio and less controlled living room listening environments ,the challenge coming from many other good, new and historic competitors praising me on hand here. After opening, the multilayered, well-insulated custom packaging that cradles the ST-70 version 3 came away easily, immediately showing the tube booster with a light and curved grill coating through which the vacuum tube is visible. Attached by four easily removable safety bolts, the silver-colored grill coating offers security from vibrate fingers or curious pets. And made for a unique and compelling to-day look anywhere I put this booster. In the case of hooking up, all the pipes are already coming in place, which is great. The stereo input jack is located on the thoughtful RCA connection near the center of the rear panel, with the IEC standard connection nearby, as well as the unique no touches of the five-way connection in the extreme left and right-back chassis. It's good to see the 8-Ohm/4-Ohm switch next to each set of connections, offering the end listener the chance to tailor the output according to any particular speaker in use in the flip switch. So once everything is connected, turn on the amplifier via the rear center switch switch in the sound after a short 30-second warm-up result. Sound quality will continue to improve for up to a full hour to warm up but neverthelands full, strong, and sweet to the ears at all times. Turning our attention to the panel front there are beautiful, separate left and right attenuators, which are intended to treat any channel imbalances due to unwanted speakers and room interactions. I might suggest using them as volume controls at a direct source to the launch booster, but Dynaco does not recommend this. However, they work as designed if a speaker or listening position is substantially far from the center line. Also in the center of the front panel is a high pass switch, perfect for removing thumble from a turning table or excessive bass from a heavy mick or soundtrack. It also presents tube bias lights and regulated ports, where the end user can use a non-metallic 1/16 flat head screwdriver to adjust the bias for four EL-34 outlet tubes until all indicators shine the same brightness. I used it. The tweaker is a plastic screwdriver the size of a pencil with the size of the right blade. The setting is done after the unit warms up (about an hour) but while the unit is playing no easy music. Listening observations (A) Given the brand's great track record and the importance the booster can bring to life to bring his speakers and music to life, I began with some classic Baroque cantatas by J.S. Bach and his son, C.P.E. Bach both have incredible talents that have continued their music to enthrall audiences for more than 300 years. I played magnificent choices found on two H-nslr CDs from a collection featuring both composers of all life's work (Helmuth Rillingand Bach Collegium Stuttgart dominated a full set). The scope of this musical offering (forgive the pun) is explored differently but equally large: string orchestras, trumpets and other brass, timpany, sometimes wooden winds, and four chorus sections and solos. The large and sophisticated sound was easily communicated with joy and lively emotion through the new Dynaco ST-70 series 3, displaying great dynamic swings and palpable impressions of the great places heard in every recording I auditioned. The fact that I'm auditioning a few different pieces and groups helps me to different how the sound is reproduced with a great degree of certainty. So when I go and listen to different functions of the same piece on different labels, with different venue and groups, I can clearly appreciate the difference in size, shape, echo, and even essential features of microphone(s) as well as those of the manufacturer and engineer's contribution. So in a different Magnificat run by John Elliott Gardiner and English baroque soloists on a Philips CD, the use of period instruments (versus modern) in an English church environment has a much cleaner, leaner sound, than modern recording maker, allowing orchestral-specific Auri features and soloists to expand further in front of me; again thanks to the solid and strong sound quality of the new ST-70 series 3. It easily keeps up with the ever-changing mix of great recordings that can showcase depth, seven, and perspective in a deliciously convincing manner. Part of this is due to the beefier's two primary power transformers, aided by improved line adjustment, increased filter capacitance, and switched to a solid state rectifier; All create the necessary foundation for the rest of the amp circuit to shine much more complete than the original 1 amp series. And here, switching to a modern orchestral work everyone knows like Karina Borana's Karloff, which features the same great orchestra, chorus, and soloist in a work coming more than 200 years after the Great Bach. The classic Telarc CD and Hi-Res Audio Soundstream remastering features Robert Shaw and the Atlanta Symphony Orchestra. With Judith Belgen The exquisite soprano solo in Song 23 is leading through both full corral tutties and enough orchestras to task most of each system when played loud enough. But here I found solid, developed and euphonic reproduction of the ST-70 Series 3 detailed, large, powerful, and envelopes with a variety of different dynamic speakers (4-Ologe, 2-Symdex, and 1-Cambridge Soundworks) as well as a planr (Magnepan 1.7i) inside my average untreed living room size. Filling a larger room may require more power when using electrostatic, planer or another inefficient speaker, but otherwise everything seemed fabulous in my much larger treated audio listening room. Listening Observations (b) retroactive to the selection of more popular music, such as rock 'n' roll legend Gino Vannelli set out the masterpieces of the twentieth century Masters Millennium Collection, the 3rd song living inside myself that is the great 1981 native sound of all his Nightwalker albums, from which it comes. There are group moments as well as solo, each mixed with distinctive audio signatures that are ravishing to listen through the ST-70 Series 3 because the 12AU7 double-triode tube incoming driver (replacing the original and now defused 7199 pentadle) is substantially more transparent and consistent over its operational range. That and the carefully re-working output transformers that were designed from scratch to match the classic sound obtained by the original Huffer A470 allow the newest Series 3 new level of bass authority that gives everything a more apparent and palpable weight, even when listening from around the corner. Another great Harry Connick Jr. album titled We Are In Love; another great exciting band for him since 1990 with modern orchestra and recording techniques that capture all the great qualities inherent in previous efforts by Frank Sinatra, Dean Martin, Sammy Davis Jr., and Tom Jones three decades and so earlier. The opening track is as much a demo piece as any, but through the Dinaco BOOSTER ST-70 Series 3 it seems to float free of speakers, defining a much larger atmosphere than any of my listening rooms. And this sense of size and quality of bass reproduction makes for a more believable presentation where you have to hallucinate, to become part of that recorded event like you have been there. Other tracks in the program are of small, medium, and large scale. And each is correct in the mix and use your instrumentation. So much so that your experience hitting fingers, provocative music, is a memorable moment in your daily life that you cherish much, much more than if it was heard through less capable and less great sound design. That's why it took more than two years for Dinco to fully test and voice this practical tribute to the original and lovely ST-70. Finally, my love of music of all kinds I listen to a lot of fun pieces, often from great and cherished composers like Vangelis who long before and after his donations to Ridley Scott Blade Runner was producing similarly fascinating acoustic albums, magnetic tape, and electrical instrumentation in strange and often conceptually fascinating Aoral rhythms and hues. The sound canvas he paints on his 1990 album The City begins normally enough with dawn, and then Morning Paper, continuing to the nerve center; and while the sound holds the building, adding layers and subtract layers. These are sometimes bold strokes of sound from electric guitars or drum machines, but are tonalized enough through his genius to tan us with unconscious suggestions. One can picture the city from inside Wenglis' mind as a sequence of sections describing the emotional state of metropolis at the end of the 20th century. Like any album or composer, he lives or dies based on connecting to his audience. So, I have to conclude that while not necessarily the greatest single amplifier

in history, dynaco ST-70 series 3 offers a complete mix of space cues, Timberall refinement, and swinging head/toe exploit that live music is coming; no matter what format you listen to. Conclusion The classic name Dynaco... And their famous model is the ST-70 stereo tube booster, originally designed and built by David Huffler in 1959. Its purpose has been to interfere with audiophile sound quality music at an affordable price, across which 350,000+ units run and owned by three different companies. And this legacy of nearly 60 years has been carefully and lovingly updated to provide both the 21st century technological version of this tried-and-true sound design, and an essential reference to all the elements that made this amplifier successful for six decades! First, you have EL-34 outlet tubes like the original, capable of delivering 35 solid sound, frisson (pronounced free saw), a French term meaning aesthetic chill inducing Watts into each of the two channels. And everything before that, from the dual triple entry driver tubes 12AU7, to the dual beef coil power supply, better parts with higher specifications, military-grade epoxy glass computer circuit boards, gold plated inputs and five ways touch less output, IEC interwoven power wire, and the available front bias control for each of the four output tubes is easily adjustable while the amp is running, and the selectable and stitch 4/8-Ohm output switch correctly matches each speaker the load you get through it, makes this amp better. What this adds up to the modern and large sound pipe booster is easily worth the \$2999 asking price. The simple joy of plug-ins and listening to modern updates of classic design gives me chills because of the potential to thrill the remote audiophile listener, as has been The case for a while now. Tuna's simple and effective and dynamic contributions of strengthening the ST-70 Series 3 made for countless hours or frequent listening where I found myself just as at home with classics, as with jazz, rock, pop, hip-hop, metal, country, soundtrack, and even talk radio and cast pods. And with everything having a wonderful quality and a certain little euphonic about it, it's all too easy to listen hours after hour - all day long, in fact. And with the ability to match the barrier as well as adjust the bias in the fly, this baby can be easily tuned according to most speakers and room setup. No device is complete. But aside from replacing the pipes every now and then, an easy material eliminates four screws (two on the sides) and then appears and appears in new tubes you can't miss with little care to where the pin is adapted to the socket and four screws to re-secure the pipe casing. You are returning to run like the new one in less than five minutes! And you can potentially experiment with different pipe brands to get a slightly different sound quality to offer. But I found the factory choosing to adapt JJ Electronics EL-34 to do extra. Clearly Dinko took the time to check the sound quality and reliability of all parts of this updated design. And the results speak for themselves. If you're looking to amplify music with an up-to-day tube circuit that has stood the test of countless listeners' expectations for virtually 60 years, then you are in luck! Please test the new Dynaco ST-70 Series 3 on your system or that of a trusted friend and tell me it's not clear your musical landscape. David Huffler's promise is fulfilled again. SPECIFICATIONS Type: Stereo Vacuum Tube Circuit Amplifier: AB Class Four Triode Pipe Design: L34/6CA7 Outlet Tubes For Classic Huffler Response Superlinear Output Power: 35 Watts Per Channel To 4 or 8 Hems Impedance: Select 4 Heum and 8 Heum Speaker Load Inputs: RCA left/right Outputs: Five-way gold binding posts (left/right) Features: User-adjustable bias, selectable high-pass filter Dimensions: 17 x 9.25 x 7.5 (HxWxD) Power: 110V or 230V Warranty: three year transferable, 90 Days in Vacuum Tubes Price: \$2999 Hafler/Dynaco Information Company 1588 Kebet Way, Port Coquitlam BC Canada V3C 5M5 Sound: (604) 942-1001 Fax: (604) 942-1010 Website: www.Dynaco.com www.Dynaco.com

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