MOMENTUM PHONOSTAGE

OWNER'S MANUAL

Dan D'Agostino
MASTER AUDIO SYSTEMS

"For me, this component is a dream come true."

A note from Dan D'Agostino

FOUNDER, CEO, AND CHIEF DESIGNER OF DAN D'AGOSTINO MASTER AUDIO SYSTEMS

Thank you for investing in my Momentum phonostage. For me, this component is a dream come true. I always knew there was more music in the grooves of vinyl records than we were hearing, and finding those hidden depths and details was the reason I designed the Momentum phonostage.

I knew when I began work on the Momentum phonostage that I couldn't change the fundamentals. Those classic analog phono preamps—many of which I designed—have a natural, musical sound we all love. But what if I could combine the soul of a traditional analog phono preamp with the precision and adjustability available through modern technology?

That's how the Momentum phonostage works. Remove the cover and you see classic analog circuitry, all built by hand in my Arizona factory using through-hole construction for the best possible sound quality (and maximum reliability, too). Look at the front panel, though, and you'll see this circuitry is controlled in precise steps, all made possible through digitally controlled resistors and other state-of-the-art components.

It's the best of both worlds. The audio path is 100% analog, but with none of the imprecision and performance compromises we normally have to settle for in analog circuits with old-fashioned mechanical controls.

Another major inspiration behind the Momentum phonostage is the explosion of interest in analog, and the ever-growing variety of cartridges. Every cartridge presents its own unique set of loading requirements, and finding them often requires experimentation. There's no better and easier way to experiment with your vinyl setup than with the Momentum phonostage! I put all the controls right on the front panel with individual displays to show all the settings. No DIP switches, no menus. Just push and listen. Find a new setting or go back to an old favorite. It's all easy, just as it should be.

The product you see before you was built by hand by skilled artisans and technicians, all within about 20 feet from my desk. We tested it before we shipped it to make sure it performs perfectly—and that it will give you the same musical joy it gives me.

I would like to recognize and thank William Hughes, one of my engineers, for his invaluable help in the design of the Momentum phonostage.

Sincerely,

CAUTION: NO USER SERVICEABLE PARTS INSIDE. Do not open the amplifier's chassis or remove any of its screws. Contact Dan D'Agostino Master Audio Systems or your dealer if you have service needs.

WARNING: Do not expose this amplifier to moisture or excessive humidity, and do not use it outdoors. Fire hazard may result.

The lightning flash with arrowhead, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electrical shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating maintenance (servicing) instructions in the literature accompanying the appliance.

LEGAL NOTIFICATIONS

Dan D'Agostino Master Audio Systems is a registered trademark of Dan D'Agostino Master Audio Systems. The information in this owner's manual is subject to change without notice. Current Version 1.0 of this manual was produced by the Dan D'Agostino Master Audio Systems engineering, sales and marketing departments.

PACKAGE CONTENTS

If any of the following items are missing, please contact your dealer:

- ✓ 1 Momentum phonostage encased in protective static cling vinyl
- ✓ 1 power regulator base encased in protective static cling vinyl
- ✓ 1 external transformer encased in protective static cling vinyl
- ✓ 1 owner's manual
- ✓ 1 pair of white lifting gloves
- ✓ 1 microfiber cleaning cloth
- ✓ 1 AC power cord
- ✓ 1 multipin DIN cable (power regulator base to main unit)
- ✓ 1 multipin XLR cable (transformer to power regulator base)

UNPACKING AND INSTALLATION

Unpacking the Momentum phonostage from the Pelican case

While the component is still in its case, please move it to a location near the place where it will be installed. Remove all jewelry including watches, rings and belts from your person to avoid damage to the exterior during removal and installation. We recommend that two people lift the phonostage. Because it is machined from solid aluminum, it is much heavier than it looks. The finish of the Momentum phonostage is extremely delicate. To avoid damaging its surface, we suggest wearing the supplied white lifting gloves when handling to avoid abrasion, fingerprints caused by oils from skin, etc. See Operation: Maintenance for instructions on cleaning.

Installation requirements

This component's dense metal chassis and its separate power regulator base make it much heavier than most other phono preamps, so make sure the surface that will support it can safely hold its weight. You can place the transformer on the floor, or anywhere it will be separated from the phonostage by at least a couple of feet.

Adequate ventilation must be provided. There should be at least 3 inches of clearance on each side and at the top. The top and bottom vents must not be obstructed. We recommend that the component and its base be installed in an open equipment rack to assure proper ventilation. It may be installed in a closed cabinet or in an equipment closet, but the cabinet or closet must be designed with substantial ventilation at top and bottom; active ventilation (i.e., powered fans) is preferred.

Do not plug the Momentum phonostage or any other Dan D'Agostino Master Audio Systems product into a power strip or power conditioner.

The Momentum phonostage is designed with special cone feet that screw into the bottom of the main chassis and match up with indentations on the top of the power regulator base. The bottom of the power regulator base has soft feet designed to isolate the main chassis assembly from vibration. (These feet will not stain or mar the surface underneath them.) To attach the cone feet, first remove the vinyl wrap that covers the amplifier and protects the finish. (Save the vinyl wrap in the case to use again if you ever need to ship the phonostage.) Use two people to turn the phonostage chassis upside down and place it on a soft but secure surface—a few towels draped over a sturdy table, for example—and place the vinyl wrap atop the towels for extra protection. Screw the feet all the way into the threaded holes on the bottom of the chassis. Now place the power regulator base in the place where you want to install the phonostage. Use two people to turn the phonostage back over again. Place it carefully atop the power regulator base, lining up the points of the cone feet with the indentations on the top of the power supply.

If you need to return the phonostage for service

If you should need to return the Momentum phonostage for service, be sure to use the original box and materials for shipment. Before you ship the phonostage, unplug the transformer from the wall and let the phonostage, the power regulator base and the transformer cool down for 6 hours. To protect the finish during shipping, rewrap all components in the vinyl covering they came in. Make sure the components are completely cool and have not been plugged in for 6 hours before you do this. Wrapping the phonostage when it is warm will cause the vinyl to leech into the surface and will permanently damage the finish. ■

FRONT PANEL

1. MC1 input loading display and buttons
2. MC2 input loading display and buttons
3. MM1 input loading display and buttons
4. MM2 input loading display and buttons
5. Input selector
6. Gain display and buttons
7. MM capacitance display and buttons
8. EQ curve selector

REAR PANEL

1. Single-Ended/Balanced (RCA/XLR) switch
2. XLR outputs (to preamp)
3. XLR inputs (to turntables/tonearms)
4. Ground connector
5. Phonostage DC input
6. Power regulator base DC output
7. RCA inputs
8. Power regulator base DC input

TRANSFORMER

1. Power switch
2. Fuse holder
3. IEC AC cord connection
4. DC output to power regulator base (rear of transformer)

MAKING CONNECTIONS TO THE MOMENTUM PHONOSTAGE

Analog interconnect cables

We recommend the use of high-quality balanced XLR audio interconnect cables between your turntable and the Momentum phonostage. However, we do recognize that many turntables do not offer XLR output, so we have also provided RCA jacks for each input. Use high-quality balanced XLR cables between the Momentum phonostage and your preamplifier or integrated amplifier. If your preamp or integrated amp does not offer XLR input, please contact your D'Agostino Master Audio Systems dealer to acquire the proper adapters.

Connect each XLR cable to the appropriate XLR jack by pushing the plug into the jack. To release the plug, push on the small tab atop the jack or on the plug, and gently pull the plug loose. For RCA connections, hold each plug by the barrel and push it firmly onto the connector. To remove a plug, grasp it by the barrel and gently pull it loose. Never grasp an interconnect cable by the cable itself—you could damage the cable. Be sure to connect left channel to left input, right channel to right input.

Begin by connecting the turntable or tonearm to the appropriate input. If you are using a moving coil (MC) cartridge, be sure to use one of the two MC inputs on the phonostage. If you are using a moving magnet (MM) cartridge, use one of the two MM inputs on the phonostage. Repeat this for any additional tonearms or turntables you are using. You can use either XLR or RCA connections, not both. Set the switch on the back for Single-Ended if you use RCA connections, or Balance if using XLR connections.

Connect a ground cable from each turntable or tonearm to the white binding post on the rear of the phonostage. Many purpose-built phono cables include a ground cable. If your cables do not, use a spare piece of speaker cable instead. As with any phono preamp, using a ground connection between the turntable/tonearm and the phono preamp is usually beneficial, but may induce hum. If you hear hum in your system, try disconnecting the ground connection from the turntable or tonearm currently in use.

Now connect the phonostage's XLR outputs to any unused input on your preamp or integrated amp.

DC cables for power supply

The Momentum phonostage is supplied with a two multiconductor DC cables. One connects the transformer to the power regulator base, and the other connects the power regulator base to the phonostage main chassis. Be sure to hook up both DC cables before you connect the power supply to the AC outlet, and disconnect the AC before you remove the DC cables.

The shortest of the two DC cables is a mini-DIN type that connects the power regulator base to the phonostage main chassis. To connect this cable, align the connections on the plug with the pins on the chassis connector and push it gently in until it locks. To remove it, pull back on the metal collar surrounding the plug and gently pull the plug loose.

The longer of the two cables connects the transformer (which generally sits on the floor a few feet from the phonostage) with the power regulator base. This cable uses five-pin XLR connectors. To connect this cable, align the holes on the plug with the pins on the chassis connector and push it gently in until it locks. To remove the cable, press the tab on the plug and gently pull the cable out.

AC cord

The transformer includes a high-quality AC cord tipped with a 15-amp IEC connector at the power supply end and a three-conductor AC plug at the other end. You may use a different power cord if you wish, as long as it is tipped with a 15-amp IEC connector and a three-conductor AC plug. After all of the system components are connected, the phonostage transformer is connected to the power regulator base, and the power regulator base is connected to the phonostage main chassis, push the IEC connector on the power cord into the IEC jack on the transformer and plug the other end into the AC socket. Do not plug the Momentum phonostage or any other Dan D'Agostino Master Audio Systems product into a power strip or power conditioner. ■

OPERATION

Initial power-up

Once the connections between the transformer and the power regulator base, and between the power regulator base and the main chassis have been made, plug the transformer into a wall socket and flip the power switch on the transformer. The displays on the front panel of the phonostage will illuminate.

The Momentum phonostage is designed to be left on all the time, so it is always warmed up and will always deliver maximum performance. The phonostage will sound excellent even on a cold start, but the sound quality will improve as it warms up, much as the flavor of a fine red wine improves if it is allowed to breathe for a few minutes. We suggest you give it at least 30 minutes to warm up before you do any serious listening.

Basic operation

Input selector: Turn this knob to select among inputs MC1, MC2, MM1 and MM2.

MC/MM loading adjustment: This adjusts the impedance of each input to optimize it for the cartridge. The correct setting should be listed in the specifications for the phono cartridge, which you can usually find on the cartridge manufacturer's website or in the manual for the cartridge. You can also experiment with different settings; sometimes better sound can be achieved this way. The Momentum phonostage was designed to make experimenting easy. Just change the setting, listen and repeat until you find the one you like for that cartridge.

A separate display and controls are provided for each input. To adjust loading, press the left button under the display to reduce the load impedance and the right button under the display to raise it. The display will show you the load impedance in ohms. A "K" appearing after a number on the display means "1,000," so "31K" equals 31,000 ohms. Different ranges of adjustment are provided for MC and MM cartridges, with the ranges optimized for each type of cartridge.


MC1 LOADING
MC2 LOADING
MM1 LOADING
MM2 LOADING
GAIN
CAPACITIVE
MC1
MC2
MM1
MM2
R.I.A.A.
F.F.R.R.
RCA
ORTHOPHONIC
COLUMBIA
D.G.G.
Dan D'Agostino
MASTER AUDIO SYSTEMS

Gain: This adjusts the amount of amplification the phonostage will apply for each input. Different phono cartridges provide different output levels, and this control adjusts for those differences. Usually, the gain provided at the phonostage's default setting will be fine for any one cartridge, but if you are using multiple tonearms or turntables, you may wish to match their levels using this control. Just reduce the gain for the input that sounds too loud until it matches the volume from the other input(s).

To adjust gain, first select the desired input. Now press the left button under the display to reduce the gain and the right button under the display to raise it. The adjustments are in 1 dB increments, so "+5" raises the level by 5 dB. Maximum settings are +/-6 dB. The gain setting will be memorized for each input, so when you change inputs, you may see the gain setting change.

Capacitive loading adjustment: This control affects only the MM inputs, because MC inputs do not require capacitive loading. If the cartridge manufacturer recommends an optimum capacitive loading setting (listed in picofarads, or pF), start with that one. If the cartridge manual or specifications do not recommend a specific load capacitance, start at the lowest setting available (18.75 pF). Raise the setting if you hear noise or interference from other electronic devices in your home. You will notice that the capacitive loading setting will affect the sound. Let your ears be your guide here—just experiment with the adjustment until you get the best result.

To adjust capacitive loading, press the left button under the display to reduce the capacitance and the right button under the display to raise it.

EQ curve selector: Turn this knob to select the EQ curve appropriate for the vinyl record you are playing. Almost all records pressed since the mid-1950s use the R.I.A.A curve, but some records made before about 1960 use other curves, such as F.F.R.R., RCA Orthophonic, Columbia and D.G.G. If you are playing a record pressed before 1960, check the sleeve to see what EQ curve is recommended. If in doubt, use R.I.A.A.

Maintenance

The Momentum phonostage requires no user maintenance other than to keep it clean and ensure that the vents remain unobstructed.

Like a piece of fine furniture, the Momentum phonostage has a fine, highly polished finish that can be easily damaged. Do not rub or polish the finish, and do not allow objects to come in contact with it. To clean the surface, spray a small amount of distilled water onto the supplied microfiber cloth and gently wipe it along the direction of the metal grain, with light pressure only. Never use a circular motion or heavy pressure, as this can permanently scratch the machined surfaces. Do not rub the surface with the cloth, and do not spray any liquid directly onto the phonostage.

If dust or other contaminants or objects collect around the vents at the top and bottom of the phonostage, remove small objects by hand and use a shop vacuum or hand vacuum to remove the dust. Use a brush attachment on the vacuum to avoid scratching the phonostage's surface.

If you should need to transport or ship the phonostage, be sure to use the original packing materials. Allow the phonostage, the power regulator base and the transformer to cool down for at least six hours before you wrap or package them. ■

TROUBLESHOOTING

Power is not on

If the front displays are not illuminated, follow the procedure outlined below. If one step succeeds in activating the power, stop there and ignore the other steps. Do not make any adjustments to the DC power cables while the AC power is plugged into the wall.

1. Check at the back of the transformer to make sure the 15-amp IEC connector is pushed all the way into the jack on the power supply, and that the AC cord is plugged into the wall.
2. Check to make sure the DC power cable between the transformer and the power regulator base is firmly connected. If it is not, disconnect the AC cord from the wall socket, reconnect the DC power cable, and plug the AC cord back in.
3. Check to make sure the DC power cable between the power regulator base and the phonostage main chassis is firmly connected. If it is not, disconnect the AC cord from the wall socket, reconnect the DC power cable, and plug the AC cord back in.
4. Pull out the fuse connector at the back of the transformer, between the power switch and the IEC power cord connector. Check to see if the fuse is blown. (The conductor inside the fuse will be severed and you may see burn marks on the fuse.) Be sure to replace the fuse with one of the proper value and type. Consult your dealer or Dan D'Agostino Master Audio Systems.
5. Check your household electrical box to make sure the circuit breaker has not been tripped. If it has, flip the breaker back on.
6. If all of these steps fail to return power to the Momentum phonostage, consult your dealer for service.

Front displays are illuminated but you hear no sound

Follow these steps in order. If one step succeeds in restoring the sound, stop there and ignore the other steps.

1. Make sure you have the correct input selected on the phonostage.
2. Make sure the tonearm is lowered and the record is spinning.
3. Make sure the volume is turned up on your preamp or integrated amp, and if you are using a separate amplifier, make sure it is powered up.
4. Check the Single-Ended/Balance switch on the back of the phonostage. If you are using XLR connections, the switch should be set to Balance. If you are using RCA connections, the switch should be set to Single-Ended.
5. Switch to a different source on your preamp or integrated amp and start that source playing. If you hear sound, it's possible the cables connecting the phonostage to the other components have become disconnected. (If you don't hear sound, it's likely something else is wrong with your system; check the connections between your preamp

and amp and between the amp and the speakers.) Turn off your preamp or integrated amp, then check the connections between the turntable or tonearm and the phonostage, and between the phonostage and the preamp or integrated amp. Also check to make sure the connections on the back of your phono cartridge have not come loose. If any cables or connections have become loose or disconnected, fix the connections then turn the system back on and see if it works.

6. Try using some different cables (ones that you're sure are in good condition) between the turntable or tonearm and the phonostage, and between the phonostage and the preamp or integrated amp. If this restores sound, the original cables are likely damaged or defective and should be replaced.

7. If all of these steps fail to restore sound, consult your dealer for service.

Sound comes from only one channel

Follow the below steps in order. If one of these steps succeeds in restoring the sound, stop there and ignore the other steps.

1. Check the connections between the turntable or tonearm and the phonostage to make sure the cables are securely connected. Do the same for the connections between the phonostage and the preamp or integrated amp, and the connections on the back of the phono cartridge. If a cable has become disconnected, turn off your preamp or integrated amp, fix the connection, then turn the system back on.

2. Try using a different source device, such as a CD player or DAC. If both channels work, it is likely that a connection between the phonostage and turntable or tonearm, or between the phonostage and preamp or integrated amp, has come loose or been damaged. If the same channel is out when you switch sources, check the connections between your preamp and amp (if you're using separates) and the amp and the speakers. Makes sure all cables are properly connected and not damaged. Replace any damaged cables.

3. Swap the left-channel cable from the turntable to the phonostage with the right-channel interconnect cable. If the malfunctioning channel now works but the other channel does not, replace the defective interconnect cable with one of the exact same type. You may have to replace both right and left cables to make sure they match.

4. Swap the left-channel cable from the phonostage to your preamp or integrated amp with the right-channel interconnect cable. If the malfunctioning channel now works but the other channel does not, replace the defective interconnect cable with one of the exact same type. You may have to replace both right and left cables to make sure they match.

5. If all of these steps fail to restore proper sound, consult your dealer for service.

Tonal balance of record sounds wrong

If the record you're playing doesn't sound the way you expect it to—i.e., there's too much or too little bass or treble—follow the below steps in order. If one of these steps fixes the problem, you can stop there and ignore the other steps.

1. Check the record EQ selector on the front panel of the phonostage. In almost all cases, this should be set for R.I.A.A. If it is not, try the R.I.A.A. setting.

2. If you are playing a record pressed before about 1960, it may use a different record EQ curve than R.I.A.A. Check the record sleeve to find out the recommended EQ curve. The phonostage offers F.F.R.R., RCA Orthophonic, Columbia and D.G.G. curves. If your record uses one of these curves and not R.I.A.A., set the phonostage's record EQ selector for that curve.

3. Try playing a different record—a modern one, such as a 1970s or 1980s pop recording—and set the record EQ selector to R.I.A.A. If it sounds good, then the first record you played might be a bad pressing or a bad recording.

Playback level is too low

Follow the steps below in order. If one step brings the volume up to an adequate level, you can skip the rest of the steps.

1. Make sure the volume on your preamp or integrated amp is turned up to an appropriate level.

2. If you are using an MC cartridge, make sure you are using one of the phonostage's MC inputs. If not, turn off your preamp or integrated amp, connect the cables from the turntable or tonearm to the MC input, then turn the system back on. Adjust the load impedance for the MC input as needed.

3. Use the phonostage's gain control to increase the gain and bring the volume up to an adequate level.

Playback level is too high

Follow the steps below in order. If one step brings the volume down to an appropriate level, you can skip the rest of the steps.

1. Make sure the volume on your preamp or integrated amp is set to a reasonable listening level.

2. If you are using an MM cartridge, make sure you are using one of the phonostage's MM inputs. If not, turn off your preamp or integrated amp, connect the cables from the turntable or tonearm to the MM input, then turn the system back on. Adjust the load impedance and capacitance for the MM input as needed.

3. Use the phonostage's gain control to reduce the gain and bring the volume down to an adequate level.

Excessive hum and/or noise

Vinyl record playback is never as quiet and noise-free as high-quality digital sources such as CDs, but noise or hum should not intrude to the point where it distracts you. If your system is producing too much noise or hum, try the following steps in order. If one step eliminates or adequately reduces the hum or noise, you can ignore the other steps.

1. Check the ground connection between the turntable or tonearm and the phonostage. If it has become loose, reconnect it.
2. If the ground connection is not loose but you're still hearing hum, try disconnecting the ground. If this does not reduce the hum, reconnect the ground wire.
3. If you are using an MM cartridge, try increasing the load capacitance on the phonostage. If this does not fix the problem, adjust the load capacitance back to the original setting.
4. Switch to a digital source device such as a CD player or DAC. If this stops the hum or noise, you may have a bad connection between the turntable or tonearm and the phonostage, or between the phonostage and the preamp or integrated amp. Check these connections. If you need to reconnect anything or replace a damaged cable, first turn off your preamp or integrated amp. Fix the connection, then turn the system back on.
5. If you still hear the hum or noise when you switch to a digital source device, the problem is elsewhere in your system. If you're using separates, make sure the connection between your preamp and amp is secure and that the interconnect cables are not damaged.
6. If none of these steps eliminates most or all of the hum or noise, please contact your dealer for assistance.

MOMENTUM PHONOSTAGE LIMITED WARRANTY

Dan D'Agostino Master Audio Systems warrants the Momentum phonostage against manufacturing defects and defects in materials for **five years from the date of purchase** from an authorized Dan D'Agostino Master Audio Systems dealer, subject to the conditions listed below:

1. The warranty covers only new products purchased from an authorized Dan D'Agostino Master Audio Systems dealer.
2. The warranty is non-transferable and is valid only for the original purchaser.
3. The warranty is valid only if the product has been used according to the instructions in the owner's manual. Damage due to accidents or owner abuse or neglect is not covered under this warranty.
4. All service must be performed by an authorized Dan D'Agostino Master Audio Systems dealer. Damage resulting from service by other parties is not covered under this warranty.
5. All products returned for service must be packaged in the original container and must include a photocopy of the original purchase receipt. If the original container has been lost or discarded, contact Dan D'Agostino Master Audio Systems for a replacement.
6. If the product must be shipped back to Dan D'Agostino Master Audio Systems for warranty service, the customer shall pay shipping costs. Dan D'Agostino Master Audio Systems will pay for return shipping.
7. Before shipping the product to Dan D'Agostino Master Audio Systems for service, the customer must first obtain a Return Authorization (RA) number by calling Dan D'Agostino Master Audio Systems. The RA number must be marked clearly on the side of the package.
8. This warranty covers only defects in products made by Dan D'Agostino Master Audio Systems. It does not cover incidental or consequential damages, or damages to other products resulting from defects in Dan D'Agostino Master Audio Systems products.
9. U.S. residents: Depending on which state you live in, you may have other rights not elaborated in this document. For further information, contact Dan D'Agostino Master Audio Systems.
10. Residents of other countries: Your authorized importer or dealer bears the direct responsibility for warranty coverage of your amplifier. Please contact your importer or dealer with requests for service under warranty. Dan D'Agostino Master Audio Systems will work with your importer or dealer to assure that the terms of the warranty are fulfilled.

For questions on warranty and service matters, contact Dan D'Agostino Master Audio Systems at: +1.480.575-3069 or +1.203-644-8743, or e-mail service@dandagostino.com ■

MOMENTUM PHONOSTAGE

SPECIFICATIONS

Frequency response	20 Hz to 100 kHz, ±1 dB
Distortion	<0.003%, 20 Hz to 20 kHz
Signal-to-noise ratio	-75 dB, standard reference, unweighted
Gain (±6 dB depending on setting)	MC: 70 dB balanced, 70 dB unbalanced at 0 dB setting MM: 50 dB balanced, 50 dB unbalanced at 0 dB setting
Power consumption at standby	25 watts
Inputs	4 balanced XLR stereo, 4 unbalanced RCA stereo, ground
Outputs	balanced XLR stereo
Load impedance adjustment options	**MC:** 5, 10, 15, 25, 50, 100, 200, 420, 1200, 47K ohms **MM:** 23K, 25K, 27K, 29K, 31K, 34K, 38K, 42K, 47K, 54K, 63K, 75K, 95K, 126K, 191K, 391K ohms
Capacitive loading options (MM only)	18.75, 37.5, 56.25, 75, 93.75, 112.5, 131.25, 150, 168.75, 187.5, 206, 225, 243.75, 262.5, 281.25 pF
Weight	48 lbs / 21.8 kg with base / 31.2 lbs / 14.2 kg shipping weight
Dimensions (phonostage)	3.5 x 15.5 x 12.75 inches (hwd) / 8.9 x 39.4 x 32.4 cm (hwd)
Dimensions (power regulator base)	2.5 x 13.5 x 11 inches (hwd) / 6.4 x 34.3 x 27.9 cm (hwd)
Dimensions (phonostage + base)	7 x 15.5 x 12.75 inches (hwd) / 17.8 x 39.4 x 32.4 cm (hwd)
Dimensions (transformer)	2 x 4 x 10.5 inches (hwd) / 5.1 x 10.2 x 26.7 cm (hwd)

HANDMADE AND BUILT BY HAND IN THE USA USING
USA MACHINISTS, VENDORS AND PARTS PROCUREMENT.

For more information about Dan D'Agostino Master Audio Systems, please visit: **www.dandagostino.com**