Allnic M-5000 Titan

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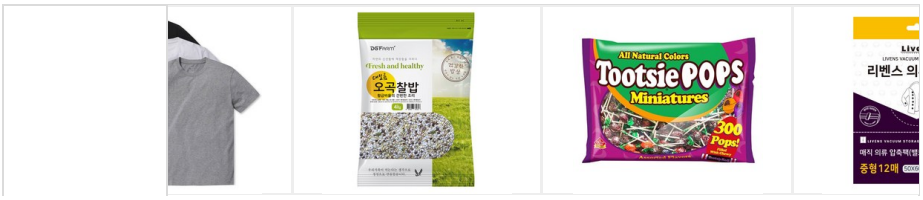

Two wonderful worlds with 400W output

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Allnic, a South Korean audio company, decided to launch its M-5000 Titan, a high-power monoblock power amplifier. Eight 400 KT150s per block produce 400W. Compared to the M-3000 MK2, which used four identical KT150s per block to produce 200W, it's doubled. Width 48 cm, depth 78 cm, height 25 cm, weight 64 kg per block. It is the Titan.

At first, only the driving force was great. The Olnick power amplifiers had a good driving power, and with 400W output from a vacuum tube, there are no speakers that can't ring in the world. It was too. Played with Focal's giant Maestro Utopia. The punching force to process, wind pressure of thumping heart is more than imagined. But the more I listened to the music, the more the focus gathered elsewhere. The subtle consequences of the music are that they are soaked in the magic or the fun of getting to know the skinny flesh. The beautiful world of micro-notes, thought to be possible only with a 300B single amplifier around 8W, was unfolded in this super-monoblock power amplifier.

What kind of magic did Olnick hide in M-5000 Titan? What is the secret of this? Have you caught both rabbits, the power of Goliath and the emotion of David? This review is my heartbreaking explorer. Olnick's amplifier was a reviewer who listened to almost all models seriously, and as a user who unified the preamplifier and power amplifier at home, he couldn't stand this magic without solving it.

First check the basic facts. The M-5000 Titan is basically a class-AB amplified monoblock power amplifier that pushes eight KT150s per channel to achieve 400W output. Surprisingly, it works with Class A up to 125W. At this level of output, almost all the music you hear at home at the right volume is enjoyed in Class A. The wider the Class A amplification, the finer detail you can reproduce. Many times I was surprised to see this delicate playback even when I watched it. 400W large output amplified to Class A up to 125W. This is the first magic.

Next is the drive tube's linear and powerful driving capability. Olnick has always put great importance on the drive tube, and in this Titan amp, I connected three 5-pole E55L (8233). E55L is a 5-pole tube with a current amplification factor (gm) of up to 60,000. The higher current amplification rate means that the output tube can be driven more powerfully. Furthermore, when three vacuum tubes are connected, the internal resistance drops to 450Ω. The E55L also shows that voltage amplification factor (mu) is the ideal number 28. If the mu is too high, the notes will be distorted; if it's too low, it will be powerless. The drive tube's powerful driving force and linear amplification is the second magic.

The 5749, a 5-pole tube, was also connected to the ultra-short tube that determines sound quality with the drive tube. It is a vacuum tube with good physical properties, and when used

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in three grains, it has the advantage of lowering internal capacitance than the triode tube commonly used as an ultrashort tube. The higher the capacitance value of the amplifying device, the more the high-pitched sound will be released. It's the background of the M-5000 Titans, which picked out delicate, transparent highs.

The ultra-short tube and the two drive tubes are combined in a traditional leak mullad circuit, where each drive tube drives four output tubes with positive and anti-phase signals. 'In this process, the waveforms of the two signals are exactly the same, removing 100% of the common mode signal. As a result, even a speaker with a sensitivity of 100dB produces no drop of noise. In addition, even though it is a very large amplifier, 20kHz square wave comes out, which is a big feature of Titan.
The final magic is Olnick's unique technology in the M-5000 Titan. Permalloy, a nickel-based alloy, is used as a core for output transformers with high speed and broadband characteristics, power transformers with voltage fluctuations of less than 1%, current meters for checking current condition and biasing of output tubes, and large chokes that produce clean smooth power. A transformer, a large capacitor, a polycarbonate chimney that protects the tube and prevents the introduction of microphonic noise are included.In particular, this amplifier uses a large 3kW power transformer for blazing power and deep bass.

The M-5000 Titan was fed into Olcal's flagship preamplifier L-8000 DHT and heard into Focal's Maestro Utopia. Aaron Neville's Louisiana 1927 admired the hard and wide bass. It's hard to believe that male vocals sound so clear. The sound stage is wide, deep and high. Hearing 'Everybody Plays The Fool' was squeezed by the pressure of the pushed notes. It's also spacious, open and awkward.
Arch Chef Quartet's 'Little Blue Girl' was amazed by the details of the saxophone lead. The lingering rhythm of the piano strings that pushed until the end of the song was great. Duke Ellington's 'Blues In Blueprint' is a burst of musical instruments, like a fountain in a summer park. In the 'Blues In Orbit', the high-end sound is transparent and shine and shine. Martin

Taylor's 'Georgia On My Mind' acoustic guitar sound resembles a clear fall sky.

The true value of the M-5000 Titans is the Mahler No. 2 symphony of the Klemperer and the Philharmonia Orchestra. While the auditorium was filled with energy from the amps, it was clear that the orchestra was seated on a quiet stage. Also, as soon as the end of the deadly tutti, the passage to the pianissimo was amazing. It's as if the swans play leisurely on the clear lake as if it were after a thunderstorm. You can enjoy these delicate sounds in great detail, which is the intriguing charm of a well-made large output amplifier.
Even if you listen to Carpenter's 'We've Only Just Begun' or 'Close To You', you may not hear it. It is almost the first time that a male vocal strikes right from the right. The liquid texture of female vocals is truly disarming. It even sounds like it wasn't usually heard, so it sounds like you're listening to new music. Claire Martin's 'Black Coffee' expressed the fine air in the recording studio, and Ray Brown's 'Bye Bye Blackbird' trembled with ultra low bass sounds even though it wasn't very loud. It's a masterpiece of the M-5000 Titan, a monoblock power amp.

Distributor Audiomentos (031)716-3311

Price Distributor Inquiry **Tube** KT150 × 8, E55L × 2, 5749 × 1 **Effective Output** 400W (8Ω) **Frequency Response** 20Hz-20kHz **S / N Ratio** -80dB **Damping Factor** 16 **Voltage Gain** + 26dB **Input Impedance** 100Hz **Input Sensitivity** 2.82V **Distortion** 0.12 % **Size (WHD)** 48 × 25 × 78cm **Weight** 64kg

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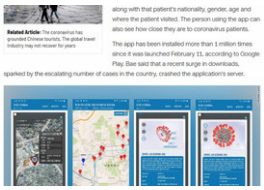

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