

Air Force V

Air Force Series

Reference Analog Turntable with Air Technology

Specifications	
■ Main Unit and Motor	
Chassis	Aluminum(A5052)/Super drumlin (A7075) assembly
	Satin silver anodized finish
	Weight:11 kg
Platter (main and sub platters)	Precision machined aluminum (A5056)
	Black anodized and high gloss polished
	Weight:6.7 kg
Total moment of inertia	734 kg·cm ²
Drive System	Sub-platter belt drive
Motor	AC synchronous motor built in the main chassis
Rotation speed	33.3 rpm / 45 rpm
Wow & Flutter	below 0.03 %
Dimensions	312 (W) x 168 (H) x 360 (D) mm
Minimum Dimensions for setting up	415 (W) x 425 (D) mm
	495 (W) x 485 (D) mm (When with a second tonearm mounted)
Total Weight	18 kg
■ Pump / Power Supply / Air Condenser Unit	
Power consumption	50 W
Dimensions	350 (W) x 168 (H) x 270 (D) mm
Weight	9 kg
Minimum depth for setting up	330 (D) mm
■ Included Accessories	
Tonearm base x 1 (drilled for specified tonearm)	
An extra cost may be required according to the tonearm.	
Platter Cover x 1	
Cables, Air hoses, Platter setup tools, Users manuals	
■ Optional Items & Accessories	
Extra tonearm base	
Disc Stabilizer Series II	
Disc Stabilizer Ultimate • Tungsten	
Exclusive rack manufactured by Artesania Audio	



Stella Inc.

Designed and manufactured by TechDAS
TechDAS is the brand of genuine highend audio produced by STELLA Inc.
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 TechDAS

THE ONLY TURNTABLES THAT ACHIEVE THE ULTIMATE LEVEL OF REPRODUCTION FROM VINYL

At TechDAS we are committed to pursuing an ideal analog reproduction system, one that equals or exceeds the highest standards and care used when the record was cut in the original production process.

In the production of a record, a lathe carves a groove into a lacquer disc, and the disc is held down onto the platter using a vacuum. The Air Force series re-enacts this same status in record playback to precisely extract and reproduce all information embedded in the groove, and achieving this without adding anything or sacrificing detail.

A remarkably background blackness and low noise levels are made possible by using "air force", and combined with our innovative rotation mechanism featuring exceptional vibration absorption, you can experience a new dimension of analog sound.

VACUUM LP HOLD DOWN

TechDAS Air Force series features vacuum LP hold down as an ideal solution to issues caused by warped records, as this function flattens a record onto the heavy weight platter surface and dramatically increases the tracing performance and sensitivity of the cartridge, reducing any strain on it and the tonearm.

This unique vacuum LP hold down system developed by TechDAS gently holds down an LP by maintaining appropriate pressure. We believe this is most important, as it will not cause any damage to the record unlike other turntables using high vacuum pressure.

AIR BEARING TO FLOAT THE PLATTER

A conventional bearing unit supporting the platter would be subject to huge loads due to the weight and high inertia involved, and even the highest precision bearing could become impaired over time. In the TechDAS Air Force Series we have thus developed a unique air bearing method, where the platter floats and rotates in almost total silence, completely isolated from vibrations transmitted to the record from the floor, via the chassis and center spindle. Furthermore, the weight of the platter does not place any load on the bearing. This ensures the performance will continue maintenance free for many years, avoiding effects of abrasion or sounds caused by friction.

INSULATED FEET USING "AIR TECHNOLOGIES"

The feet are optimally designed for each model providing outstanding insulation from external vibration by applying a wide range of air technologies.

MOTOR

The Air Force Series has two 150W DC power amplifiers to drive its synchronous motor and offers stable and powerful driving capabilities. This ensures the correct rotation of the massive platters.

In operation and once the selected speed is achieved, the motor torque is then reduced automatically to below half to then maintain accuracy of rotation. No servo control is used from this point as that may affect the sound quality. However a sensor is constantly monitoring the rotational speed for perfect accuracy of operation, and this data is fed back to the motor should any speed adjustment be required.

JAPANESE MADE

The Air Force Series embodies the highest standards and subtlety of Japanese craftsmanship in its build and finish. The sophisticated aesthetics represent our commitment to every detail.

OUR MOST AFFORDABLE MODEL THAT PRESERVES THE "AIR FORCE" TECHNOLOGIES

The TechDAS Air Force turntables feature unique and retained "air" technologies which, include our air bearing that allows the platter to float on a very thin layer of air. This mechanically isolates the rotation platter and the record from any vibration. Additionally our vacuum hold-down system clamps an LP onto the platter itself.

While most turntables on the market deliver a similar sound from that of the old analog age, in our opinion, analog sound should not remain static, much the same as we have witnessed

decades of advancements in the digital audio sector. We at TechDAS believe that the analog sound we produce has gone beyond previous levels of signal to noise ratios and more in line with the signal to noise ratios achieved in modern digital audio. And TechDAS "Air Force" technologies bring about the ultimate state-of-the-art analog sound.

The Air Force V has been developed to deliver another dimension of analog sound to a lot more analog enthusiasts at a more affordable price.



The Air Force V employs a sub-platter approach using CNC machined aluminum (A5056) platters. The total weight of the two platters is as heavy as 6.7 kg. The Main Platter has a high gauge black anodized high gloss finish using precision coating of the surface.



Elegant finishes of black anodized and high gloss polish combined with precision machined white aluminum give a feel of luxury, and in keeping with the flagship model the Air Force One Premium.



Air Force V

The Air Force V consists of two units: the Main Unit (including built in motor) and the Pump / Power Supply / Air Condenser Unit.



A low vibration 2-phase AC synchronous motor is incorporated into the main chassis itself. It successfully reduces vibrations by way of an elaborately designed suspension system. Despite its minimal size, it offers maximum flexibility and can be fitted with up to four tonearms.



Air Pump/Power Supply/Air Condenser Unit.

A special air control system is incorporated to control floatation and vacuum functions with one air pump.