

THORENS TD 321

- * *servo controlled electronic THORENS belt drive*
- * *resonance absorbing MDF chassis*
- * *clean and uncoloured sound*
- * *the turntable for the audiophile*



● THORENS

THORENS TD 321



Technical Data

(guaranteed)

Drive system	1 speed belt drive
Motor	low voltage 16 pole synchronous motor, with slip clutch for instantaneous start
Speeds	33 1/3, 45 RPM, electronic speed selection
Motor speed control	2 phase generator for synchronous control
Turntable platter	3.1 kg zinc alloy, dynamically balanced
Platter diameter	30 cm (12")
Wow and Flutter according to DIN 45507	≤ 0.035%
Rumble unweighted according to DIN 45530	> 52 dB
Rumble weighted according to DIN 45539	> 72 dB
Rumble measured with THORENS Rumpelmesskoppler according to DIN unweighted	> 64 dB
weighted	> 80 dB
Power requirements	17 V max. 140 mA
Mains voltage	may be connected to any line voltage and frequency using the appropriate THORENS AC adapter
Power consumption	5 Watt

Dimensions

Turntable with base with cover closed (WxDxH)	440x350x170 mm
Height with cover open	430 mm
Depth with cover open	445 mm
Weight	10.5 kg

All technical modifications reserved.

Remember that when comparing technical data, it is essential to ascertain that all measurements have been made according to the same standards. Even then, important differences may show in the results obtained due to variations in the test equipment, cartridges or records that are used.

This turntable is also available with TP 16 Mk III tone arm and with electronic shut-off and with tone arm lift under reference TD 320.

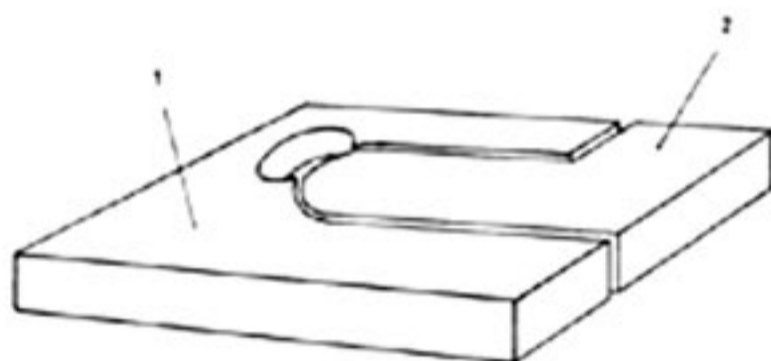
- * ~~the turntable for the audiophile~~
- * servo controlled electronic THORENS belt drive
- * resonance absorbing MDF chassis
- * clean and uncoloured sound
- * design of lasting elegance
- * sound improving platter mat
- * easily adjustable suspension
- * spring-loaded lid hinge

The TD 321 is the logical conclusion of the realisation of the experience that THORENS have made with the development of the world acknowledged "Reference" and "Prestige" turntables, combined with more than 100 years of tradition in the reproduction of music. The THORENS TD 321, a concept with future.

The THORENS belt-drive

The THORENS-motor drives the turntable platter by means of a rubber belt. The natural elasticity of the belt prevents most motor vibrations from reaching the platter and, therefore, the pick-up stylus. In more than 20 years of continuous development, THORENS has reduced the very few disadvantages of belt drive to an absolute minimum and has brought it to a level of technical perfection which is not approached by any other system known today. A particular development is the THORENS acceleration clutch, which prevents the belt from stretching, thus reducing the starting time and eliminating chassis vibration.

Because of the high performance required by discerning listeners, THORENS has decided to retain its own unique belt drive system as long as no better drive system is developed in THORENS laboratories or elsewhere.



The THORENS floating suspension

Every turntable must be damped by a suspension system to prevent the sensitive pick-up from environmental vibration and from acoustic feedback. If the springs are placed between motor and turntable platter, they then fulfill the additional requirement of decoupling motor vibrations almost completely from the turntable and the pick-up system.

Chassis 1 carries the motor and controls. Chassis 2 which is isolated by three easily adjustable leaf springs carries the platter and tone arm. The chassis of the 321 is made of amedite material which absorbs resonances resulting in cleaner and more precise sound.

Specifications mean very little to how good a turntable sounds. The selection of the appropriate materials, the individual tuning, and the harmonisation of all the components are decisive in determining the sound quality.

THORENS have been involved in the production of turntables since the existence of records.

Tone arm mounting board

The tone arm mounting board (93x125 mm) allows a variety of tone arms to be fitted.

Suspension alignment can be adjusted from the top of the turntable making correct resonance tuning easily achieved.

The 321 offers the best design to harmonise all components being essential for the best sound quality.

THORENS

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