

New model information

DP-A100

Direct Drive Turntable

TENTATIVE

DENON

**Special edition of
direct drive turntable
celebrating our
100th anniversary**

100
Anniversary
since 1910



A History Like No Other.

The history of Denon turntables commenced in 1910 with the production of Japan's first gramophone and peaked in 1939 when Denon developed a disc recorder for NHK. Denon turntables were used not only by general users but by many radio stations professionals as well. In 1970, Denon developed its own high-torque AC motor for low speeds where speed was controlled by highly precise detection of magnetic pulses recorded around the perimeter of the platter. Denon incorporated this epoch-making servo technology in its development of the direct-drive turntable whose high performance and reliability represented a clear break from conventional idler and belt drive products, and earned Denon a solid position as the brand for players used at radio stations.

In the following year, the turntable was adapted for consumer use, and Denon, which continued to produce direct-drive players, became an unforgettable brand of analog players among audio enthusiasts. The DP-A100 player is being released as a Denon anniversary model with the same high-performance Denon direct-drive turntable technology that has delivered cogging-free, high-precision rotation for 40 years. Equipped with the DL-A100 cartridge, the DP-A100 is capable of masterfully reproducing the energy and beauty of analog discs.

The Signatures of Quality.

The DP-A100 features the 100th anniversary logo badge, and comes with a 5-year warranty and a signed certificate of authenticity from the chief production engineer who hand crafted the product. Also included is the DL-A100 cartridge and a beautiful Denon "brand book" that explores the history of one of the leading names in the audio-visual field.



Special Edition 100th Anniversary Series



High quality audio

• Natural wood cabinet with dark-brown finish

The DP-A100's beautiful cabinet has been made with sliced veneer of natural wood and given a multi-coat finish similar to lacquer to produce a deep glossy luster.

• Large platter for stable rotation

The DP-A100 has a large diecast aluminium platter with a diameter of 331mm. Silicone rubber, a deadening material, has been applied over the entire reverse side to minimize vibration and suppress howling.

• Quartz lock servo and direct drive, to support stable rotation

The DP-A100 uses a quartz lock servo that controls rotation frequency by detecting pulses of light passing through a slit inside the motor. This quartz lock servo and direct drive motor work together to ensure high-precision rotation.

• Highly sensitive universal tone arm

The DP-A100's tone arm is mounted on a large aluminium die-cast base whose height can be adjusted in a range of 6mm. When this tone arm is used with the machined aluminium head shell that comes with the DP-A100, unwanted vibration is absorbed and the cartridge can perform at its maximum capacity.

• Large insulators

Large insulators have been installed on the DP-A100 to achieve ideal damping characteristics against external vibration.

• Included DL-A100 MC stereo cartridge



Main Specifications DP-A100

Turntable section

| | |
|----------------------|---|
| Driving system | Servo system direct drive |
| Speed | 33 – 1/3 rpm, 45rpm |
| Wow & flutter | Less than 0.1 % WRMS |
| Starting time | Specified speed within 0.3 sec (for 33 rpm) |
| Turntable | Aluminum die-cast, 331 mm in diameter |
| Motor | Direct-drive motor |
| Speed control system | Quartz control |
| Load characteristics | 0 % with the stylus pressure 80 g |
| Speed deviation | Within ± 0.003 % |

Tone arm section

| | |
|---------------------------------|--|
| Arm form | Static balance S-shaped pipe arm |
| Effective arm length | 244 mm |
| Overhang | 14 mm |
| Tracking error | within 3° |
| Arm height adjustable range | about 6 mm |
| Stylus pressure variable range | 0 to 4.0 g |
| | One step 0.25 g |
| Suitable cartridge empty weight | 4 to 10 g |
| Head shell weight | 18 g (176mN) (including screws, nuts, nylon washers) |
| Cartridge space weight | 0.25 g (1 sheet) |

General

| | |
|-----------------------------|---|
| Power supply | AC120 V, 60 Hz |
| Power consumption | 10 W (depends on Electrical Appliances and Material Safety Act) |
| Maximum external dimensions | With dust cover closed: 19.3" x 8.4" x 15.7" (including protruding parts) 490 (W) x 213 (H) x 400 (D) mm (including protruding parts) With dust cover open: 19.3" x 20.3" x 15.7" (including protruding parts) 490 (W) x 515 (H) x 460 (D) mm (including protruding parts) |
| Weight | 33.7 lbs, 15.3 kg |

Main Specifications DL-A100

| | |
|----------------------|---|
| Principle | Moving coil (MC) type |
| Output Voltage | 0.3 mV (1 kHz, 50 mm/s horizontal direction) |
| Channel Balance | 1 dB max. (1 kHz) |
| Channel Separation | 25 dB min. (1 kHz) |
| Electrical Impedance | 40 ohms ±20 % |
| Compliance | 5 x 10 ⁻⁶ m/N (Using a 100 Hz record) |
| Stylus | 0.2 mm square solid diamond |
| Tracking Force | 25 mN ±3 mN (2.5 g ±0.3 g) |
| Frequency Response | 20 Hz to 45 kHz |
| Weight | 0.3 oz, 8.8 g |
| Load Impedance | 100 ohms min. (40 ohms when using a transformer) |

*Design and specifications are subject to change without notice.

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