

HIFI PRODUCT PREVIEW

PF-1000 PF-800

DESIGN CONCEPT

The PF-1000 and PF-800 Natural Sound Belt Drive Turntables are specially engineered, high-performance audiophile turntables featuring unique new Yamaha technology aimed at the ultimate in phono reproduction accuracy and quality. Although they don't offer a wide range of convenience features as many other turntables in this price range do, they do offer what most true audiophiles consider the only important feature in a turntable—uncompromising reproduction performance. It's achieved through the development of a double float suspension system, which effectively eliminates resonance and vibration, for the cleanest, most transparent sound. And through the use of a unique twin-pipe, dynamic balance straight tonearm, which provides exceptionally fine tracking accuracy and resistance to tonearm vibration and oscillation, further contributing to signal purity. Also, a high-inertia two-piece platter and a simple, yet highly accurate belt-drive system with a thoroughly "vibration-proofed" motor provide consistently high rotational accuracy and added resistance to resonance and vibration. While the PF-800 has particle-board cabinetry with a vinyl, wood grain finish and a heavy, resonance-resistant acrylic dust cover, the PF-1000 offers an extra touch of class with ~~real~~ *black walnut* cabinetry and an aluminum layered floating sub-chassis, plus the same acrylic dust cover as the PF-800. The PF-1000 and PF-800 aren't for everybody, but for those who want the highest quality in phono reproduction, these turntables are one of the rare achievements in audio engineering that can give it to them.

Black walnut

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YAMAHA

SALES POINTS AND FEATURES

Double Float Suspension System

The PF-1000/PF-800 feature a three-point double-float suspension system that effectively isolates the critical cartridge/record area from vibration and resonance that can modulate the music signal, ultimately "muddying" the sound. The platter and tonearm are mounted on a floating sub-chassis suspended at three points by a specially designed spring/damper system that absorbs outside vibration. The resonance of the suspension system is designed to be well below the lowest music frequencies. Further, the sub-chassis is suspended from the springs rather than mounted on top of them thus avoiding the tendency for the sub-chassis to sway, possibly causing flutter. Vibration from the drive motor is absorbed in several ways. First, the motor is encased in a rubber housing which is then resiliently mounted to the main chassis. The drive belt then effectively stops any remaining vibration before it reaches the platter.

Low-Profile Cabinet

While conventional high-mass turntable designs use the mass of the cabinet to stop airborne vibration, The PF-1000 and PF-800 have a slim, low-profile cabinet

that presents the smallest area possible to such types of vibration. The low-air-resistance profile plus the mass of the turntable system effectively minimize the possibility of modulating the music signal with airborne vibration.

Two-Piece Platter

The PF-800 platter is a two-piece design with a zinc diecast inner platter and an aluminum diecast outer platter. With the PF-1000, the inner platter is made of gun metal for added stability. In addition to increasing mass, the two-piece design suppresses the transmission of spurious vibration and resonance through the platter itself. The drive belt is coupled to the inner platter perimeter, increasing the effective inertia of the platter for enhanced flutter suppression.

Dynamic Balance Twin-Pipe Tonearm

The tonearm features a special twin-pipe design that is effective in minimizing tonearm resonance that can color the music signal. The resonance point of the tonearm is designed to lie in between record warp frequencies and the music signal, so it cannot affect the quality of music reproduction. This configuration also results in an effective tonearm

mass that is optimally matched with the widest range of available cartridges. The left and right channel signal leads are carried through separate pipes, thereby eliminating the possibility of capacitive coupling, ensuring maximum signal separation. Further, dynamic rather than static balance greatly simplifies tracking force adjustment, and provides superb tracking performance even on warped records.

Automatic Arm Lifter

While these are basically high-performance manual turntables, an automatic record-end arm lifter has been incorporated to eliminate the need to rush to the turntable and raise the tonearm at the end of a record. When the arm lifts, the motor also shuts off automatically to stop platter rotation. The arm-lift point can be independently set by the user at any desired location. In addition to minimizing stylus wear, this adds a welcome touch of convenience to these fine turntables.

Other Features

- * Disc clamper with built-in strobe.
- * $\pm 6\%$ pitch control.
- * Oil-damped cueing mechanism.

PF-1000/PF-800 SPECIFICATIONS

	PF-1000	PF-800
TURNTABLE		
Drive System	Belt Drive	←
Motor	FG Servo	←
Platter (Inner)	Gun Metal <i>1.65g</i>	Zinc
(Outer)	Aluminum <i>1.13g</i>	Aluminum
Speed	33-1/3, 45 rpm $\pm 6\%$	←
TO NEARM		
Type	Dynamic Balance Twin-pipe Straight	
Effective Length	222 mm (8-3/4")	←
Off-set Angle	23°	←
Overhang	16 mm (5/8")	←
Tangential Tracking		
Error	-1° to 3°	←
Suitable Cartridge		
Weight	2 to 11 g	←
Sensitivity (Vertical)	10 mg	←
(Horizontal)	10 mg	←
Anti-Skate	Dynamic (Spring)	←
Arm Lifter		
(Manual Cueing)	Oil Damped	←
Arm Height Adj.	8 mm	←
Headshell	Conductive Resin	←
Pick-Up Cable	(Cable only) 950 m-ohms	

	PF-1000	PF-800
Resistance	(With Tonearm) 170 m-ohms	
Pick-Up Cable	(Cable only) 110 pF (U.S.A.) [Other Areas: 75 pF]	
Capacitance	(With Tonearm) 130 pF (U.S.A.) [Other Areas: 110 pF]	
CONTROL FUNCTION	Auto Lift up/Auto Stop	←
CABINET		
Base	Real Wood Finish	Vinyl Finish
Dust Cover	Acrylic	←
Hinge	Removable	←
Panel Suspension		
System	3-Point Spring Suspension	
Unit Insulator	Rubber	←
PERFORMANCE		
Signal-to-Noise		
Ratio (DIN-B)	80 dB	←
Wow and Flutter	0.023%	0.028%
GENERAL		
Power Supply	Matched to supply voltage and frequency of each area	
Power		
Consumption	7 W	←
Dimensions	473 x 154 x 376 mm	
(W x H x D)	(18-5/8" x 6-1/8" x 14-3/4")	
Weight	13.7 kg	13 kg
	(30 lbs. 3 oz.)	(28 lbs. 10 oz.)

Specifications subject to change without notice.

SINCE 1887



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