

HiFi ENGINE[®]

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FEATURE COMPARISON TABLE

	No. of heads		Amorphous Alloy Combination Head	DX Head	Sendust Guard Head	Transport		Micrograin capstan	2-motor drive	Dolby HX Professional	Dolby C NR	DATA	Auto reverse	Switchable MPX filter	Rec mute	Bias line adjustor	Peak display	Auto noise reduction detector	Auto recording level control	Auto tape source selector	ADMS	All-mode remaining tape time display	Intro Play
	3 head	2 head				Feather touch IC logic	Soft touch																
AD-F990	●	—	●	—	(Amorphous Alloy)	●	—	● (dual)	●	●	●	●	—	●	● (Auto)	●	FL, W/Peak hold	●	●	●	●	●	●
AD-F770	●	—	—	(combi)	●	●	—	● (dual)	●	●	●	●	—	●	● (Auto)	●	FL, W/Peak hold	—	—	●	●	●	●
AD-F660	●	—	—	(combi)	●	●	—	● (dual)	●	●	—	—	—	●	● (Auto)	(Normal/CrO ₂)	12-point LED	—	—	—	●	●	●
AD-R600	—	●	—	●	—	●	—	●	—	●	—	—	—	●	●	(Normal)	12-point LED	—	—	—	—	—	—
AD-WX110	—	●	—	—	—	—	●	●	—	●	—	—	—	—	●	(Normal)	7-point LED	—	—	—	—	—	—
AD-3500	●	—	—	(combi)	●	—	●	—	—	—	—	—	—	—	—	(Normal)	12-point LED	—	—	—	●	—	—
AD-F330	—	●	—	●	—	●	—	●	—	●	—	—	—	—	● (Auto)	(Normal/CrO ₂)	8-point LED	—	—	—	—	—	—
AD-F220	—	●	—	●	—	—	●	●	—	—	—	—	—	—	●	(Normal/CrO ₂)	8-point LED	—	—	—	—	—	—

STEREO CASSETTE DECK SPECIFICATIONS

	AD-F990	AD-F770	AD-F660	AD-R600	AD-WX110	AD-3500	AD-F330	AD-F220
POWER SOURCE	AC: 120/220/240V, 50/60Hz (H type) 240V, 50Hz (K, G type) 220V, 50Hz (E, Z type) 120V, 60Hz (U type)	AC: 120/220/240V, 50/60Hz (H type) 240V, 50Hz (K, G type) 220V, 50Hz (E type) 120V, 60Hz (U type)	AC: 120/220/240V, 50/60Hz (H type) 240V, 50Hz (K, G type) 220V, 50Hz (E type) 120V, 60Hz (U, C type)	AC: 120/220/240V, 50/60Hz (H type) 240V, 50/60Hz (K, G type) 220V, 50/60Hz (E type) 120V, 60Hz (U, C type)	AC: 120/220/240V, 50/60Hz (H type) 120/240V, 50/60Hz (K, G type) 220V, 50/60Hz (E type) 120V, 60Hz (U type)	AC: 120/220/240V, 50/60Hz (H type) 240V, 50/60Hz (K, G type) 220V, 50/60Hz (E type) 120V, 60Hz (U, C type)	AC: 120/220/240V, 50/60Hz (H type) 220V, 50Hz (E type) 240V, 50Hz (K, G type) 120V, 60Hz (U type)	AC: 120/220/240V, 50/60Hz (H type) 240V, 50Hz (K, G type) 220V, 50Hz (E type) 120V, 60Hz (U, C type)
DIMENSIONS (W×H×D)	420×110×280mm (16-9/16×4-3/8×11-1/16 inches)	420×110×280mm (16-9/16×4-3/8×11-1/16 inches)	420×110×280mm (16-9/16×4-3/8×11-1/16 inches)	420×123×287mm (16-9/16×4-7/8×12-15/16 inches)	330×107×306mm (13×4-1/4×12-1/6 inches)	420×110×280mm (16-9/16×4-3/8×11-1/16 inches)	420×110×280mm (16-9/16×4-3/8×11-1/16 inches)	420×110×280mm (16-9/16×4-3/8×11-1/16 inches)
WEIGHT	5.5kg (12.1lbs)	5.5kg (12.1lbs)	5.5kg (12.1lbs)	5.5kg (12.1lbs)	5.2kg (11.5lbs)	4.0kg (8.8lbs)	5.5kg (12.1lbs)	4.0kg (8.8lbs)
TRACK	4-track, 2-channel							
TAPE SPEED	4.8cm/sec (1-7/8ips)							
FREQUENCY RESPONSE								
OVU (Dolby C on)	Normal tape	20 ~ 12,000Hz (±3dB)	20 ~ 11,000Hz (±3dB)	20 ~ 11,000Hz (±3dB)	—	—	—	—
	CrO₂	20 ~ 15,000Hz (±3dB)	20 ~ 14,000Hz (±3dB)	20 ~ 14,000Hz (±3dB)	—	—	—	—
	Metal tape	20 ~ 18,000Hz (±3dB)	20 ~ 17,000Hz (±3dB)	20 ~ 17,000Hz (±3dB)	—	—	—	—
-20VU	Normal tape	20 ~ 19,000Hz (±3dB)	20 ~ 18,000Hz (±3dB)	20 ~ 18,000Hz (±3dB)	20 ~ 16,000Hz 30 ~ 13,000Hz (±3dB)	20 ~ 16,000Hz 20 ~ 13,000Hz (±3dB)	20 ~ 16,000Hz 25 ~ 13,000Hz (±3dB)	20 ~ 16,000Hz 25 ~ 13,000Hz (±3dB)
	CrO₂ tape	20 ~ 20,000Hz (±3dB)	20 ~ 19,000Hz (±3dB)	20 ~ 19,000Hz (±3dB)	20 ~ 18,000Hz 30 ~ 15,000Hz (±3dB)	20 ~ 17,000Hz 20 ~ 15,000Hz (±3dB)	20 ~ 17,000Hz 25 ~ 15,000Hz (±3dB)	20 ~ 17,000Hz 25 ~ 15,000Hz (±3dB)
	Metal tape	20 ~ 21,000Hz (±3dB)	20 ~ 20,000Hz (±3dB)	20 ~ 20,000Hz (±3dB)	20 ~ 19,000Hz 30 ~ 17,000Hz (±3dB)	20 ~ 18,000Hz 20 ~ 16,000Hz (±3dB)	20 ~ 19,000Hz 25 ~ 17,000Hz (±3dB)	20 ~ 18,000Hz 25 ~ 16,000Hz (±3dB)
S/N RATIO (Dolby B on) (Dolby C on, above 5kHz)	68dB (Dolby B, Metal) 80dB (Dolby C, Metal)	68dB (Dolby B, Metal) 80dB (Dolby C, Metal)	68dB (Dolby B, Metal) 80dB (Dolby C, Metal)	65dB (Dolby B, Metal) 78dB (Dolby C, Metal)	66dB (Dolby B, Metal) 76dB (Dolby C, Metal)	67dB (Dolby B, Metal) 79dB (Dolby C, Metal)	65dB (Dolby B, Metal) 78dB (Dolby C, Metal)	65dB (Dolby B, Metal) 78dB (Dolby C, Metal)
WOW AND FLUTTER (WRMS)	0.025%	0.025%	0.028%	0.035%	0.05%	0.035%	0.035%	0.038%
FORWARD AND REWIND TIME (C-60 TAPE)	60sec	60sec	70sec	70sec	90sec	90sec	90sec	90sec
CROSSTALK (at 1kHz)	65dB	65dB	65dB	60dB	60dB	65dB	65dB	65dB
CHANNEL SEPARATION (at 1kHz)	45dB	35dB	35dB	35dB	35dB	35dB	30dB	30dB
HEAD	REC/PB: Amorphous alloy Combination Head Erase: Hi-bs double-gap Sendust Head	REC/PB: DX Combination Head (Sendust Guard) Erase: Hi-bs double-gap Sendust Head	REC/PB: DX Combination Head (Sendust Guard) Erase: Hi-bs double-gap Sendust Head	REC/PB: DX Head Erase: Double-gap Ferrite Head	REC/PB: SH Head PB: SH Head Erase: Double-gap Ferrite Head × 2	REC/PB: DX Combination Head (Sendust Guard) Erase: Double-gap Ferrite Head	REC/PB: DX Head Erase: Double-gap Ferrite Head	REC/PB: DX Head Erase: Double-gap Ferrite Head
MOTOR	DC servo motor × 1 DC motor × 1	DC servo motor × 1 DC motor × 1	DC servo motor × 1 DC motor × 1	DC servo motor × 1 DC motor × 1	DC servo motor × 2	DC servo motor × 1	DC servo motor × 1 DC motor × 1	DC servo motor × 1
INPUT SENSITIVITY IMPEDANCE	MIC	0.3mV/200 ohms ~ 10k ohms	0.3mV/200 ohms ~ 10k ohms	0.3mV/200 ohms ~ 10k ohms	0.3mV/200 ohms ~ 10k ohms	0.25mV/200 ohms ~ 10k ohms	0.3mV/200 ohms ~ 10k ohms	0.3mV/200 ohms ~ 10k ohms
	LINE IN	50mV/50k ohms						
OUTPUT LEVEL IMPEDANCE	LINE OUT	0.41V/50k ohms or higher	0.41V/50k ohms or higher	0.41V/50k ohms or higher	0.55V/50k ohms	0.41V/50k ohms	0.55V/50k ohms	0.41V/50k ohms
	HEADPHONE	1.5mW/8 ohms	1.5mW/8 ohms	0.4mW/8 ohms 1.5mW/8 ohms	0.8mW/8 ohms	0.8mW/8 ohms	0.8mW/8 ohms	0.8mW/8 ohms

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•Please check the laws on copyright relating to recording from discs, radio or external tape for the country in which the machine is being used.