

Technical specifications

SOUND PROCESSOR

- **EQ/SFP section**
- MANUAL GEQ
- 5-Band EQ
- Center frequency 70/300/1 k/3.15 k/10 k Hz
- Level control ±2.0, 4.0, 6.0 dB
- EQ/Space mode **EH720**
- 4 modes HEAVY, CLEAR, SOFT, HALL
- 3 modes HEAVY, CLEAR, SOFT
- SUPER 3D AI EQ **EH720**
- 3 modes AI EQ, SUPER 3D AI 1, SUPER 3D AI 2
- **Pre-amplifier section**
- Input sensitivity/impedance
- VCR (EXT) **EH720** 250 mV/15 kΩ
- AUX (DVD) **EH720** 250 mV/15 kΩ
- AUX **EH590** 250 mV/15 kΩ
- Output level **EH720** 150 mV/1.5 kΩ
- VCR REC OUT

- **DOLBY PRO LOGiC section** **EH720**
- SURROUND NORMAL
- CENTER mode 20 ms (Fixed)
- DELAY TIME

- **AV SURROUND section** **EH720**
- AV surround mode
- SUPER SURROUND (MUSIC, MOVIE)

- **DSP CONTROL section**
- DSP control mode
- SUPER SOUND EQ

- **Spectrum analyzer section**
- Display mode
- General
- Dimensions (W×H×D) **EH720** 293×89×270 mm
- Mass **EH720** 1.5 kg

- **TUNER AMPLIFIER**
- **Amplifier section** **EH720**
- Power output (L/R both channel driven)

- Stereo Mode
- DIN 1 kHz THD 1 %/6 Ω (High) 2×25 W
- 100 Hz THD 1 %/8 Ω (Low) 2×45 W
- RMS 1 kHz THD 10 %/6 Ω (High) 2×35 W
- PRO LOGIC mode 100 Hz THD 10 %/6 Ω (Low) 2×65 W
- DIN
- FRONT 1 kHz THD 1 %/6 Ω (High) 2×25 W
- 100 Hz THD 1 %/8 Ω (Low) 2×45 W
- SURROUND 1 kHz THD 1 %/8 Ω 2×30 W
- CENTER 1 kHz THD 1 %/8 Ω 60 W
- RMS
- FRONT 1 kHz THD 10 %/6 Ω (High) 2×35 W
- 100 Hz THD 10 %/8 Ω (Low) 2×65 W
- SURROUND 1 kHz THD 10 %/8 Ω 2×40 W
- CENTER 1 kHz THD 10 %/8 Ω 80 W
- PMPO 1 kHz/High 6 Ω, Low 8 Ω, 3000 W

- Total harmonic distortion
- Rated power at 1 kHz 1 % (6 Ω)
- Half power at 1 kHz 0.1 % (6 Ω)
- Load impedance
- FRONT (High) 6 Ω
- FRONT (Low) 8 Ω
- SURROUND 8 Ω
- CENTER 8 Ω

- DIGITAL S. WOOFER
- Center frequency 60 Hz
- LEVEL (VOL -20 dB) MID +3 dB/MAX +0 dB

- **Amplifier section** **EH590**
- Power output (L/R both channel driven)

- DIN 1 kHz THD 1 %/6 Ω (High) 2×25 W
- 100 Hz THD 1 %/8 Ω (Low) 2×35 W
- RMS 1 kHz THD 10 %/6 Ω (High) 2×35 W
- 100 Hz THD 10 %/6 Ω (Low) 2×65 W
- Total harmonic distortion
- Rated power at 1 kHz 1 % (6 Ω)
- Half power at 1 kHz 0.1 % (6 Ω)
- Load impedance
- Main (High) 1 % (6 Ω)
- Main (Low) 0.1 % (6 Ω)
- DIGITAL S. WOOFER
- Center frequency 60 Hz
- LEVEL (VOL -20 dB) MID +3 dB/MAX +6 dB

FM tuner section

- Frequency range 87.50~108.00 MHz (0.05 MHz steps)
- Sensitivity 1.8 μV (IHF usable)
- S/N 26 dB
- S/N MONO 35 dB (IHF)
- Antenna terminal(s) 75 Ω (unbalanced)
- **AM tuner section**
- Frequency range 522~1629 kHz (9 kHz steps)
- 520~1630 kHz (10 kHz steps)
- Sensitivity (SIN 20 dB) 500 μV/m
- **Timer section**
- Clock
- Function

- Quartz-lock type
- Play timer (1 time, daily)
- Rec timer (1 time, daily)
- Sleep (120 min, 30 min intervals)
- Setting intervals (Play/Rec) 1 minute~23 hours 59 minutes (1 min intervals)

- **General**
- Power supply (For the United Kingdom, Australia and N.Z.) AC 230~240 V 50 Hz
- AC 230 V 50 Hz
- Power consumption **EH720** 190 W
- EH590** 160 W
- Standby **EH720** 0.5 W
- Dimensions (W×H×D) 293×118.5×246 mm
- Mass **EH720** 2.2 kg
- EH590** 1.9 kg

- **CD PLAYER**
- **Discs played (8 cm or 12 cm)**
- CD (CD-DA)
- EH590** CD-R/RW (CD-DA formatted discs)

- **Pickup**
- Wavelength 780 nm
- **General**
- Dimensions (W×H×D) **EH720** 293×88×288 mm
- Mass **EH720** 2.2 kg
- EH590** 1.6 kg

- **CASSETTE DECK**
- Deck system Stereo cassette deck
- Track system 4 track, 2 channel
- Recording system AC bias
- Bias frequency 100 kHz
- Erasing system AC erase
- Heads
- Deck 1 (Playback head) Permalloy head
- Deck 2 (Recording/Playback head) Permalloy head
- (Erasing head) Double gap ferrite head

- Motors Deck 1, 2 Capstan drive
- Tape speed 4.8 cm/s
- Wow and flutter 0.16 % (WRMS)
- Fast forward and rewind times Approx. 110 seconds with C-60 cassette tape
- Frequency response (Dolby NR off) 20 Hz~16 kHz (DIN)
- TYPE I (MAGNETAL) 20 Hz~16 kHz (DIN)
- TYPE IV (METAL) 20 Hz~16 kHz (DIN)
- S/N (Signal level=max recording level, TYPE II type tape) NR off 56 dB (A weighted)
- Dolby B NR on 66 dB (A weighted)
- Input sensitivity and impedance REC (IN) 150 mV/23 kΩ
- PLAY (OUT) 280 mV/360 Ω
- **General**
- Dimensions (W×H×D) 294×118.5×281 mm
- Mass 2.1 kg

FRONT SPEAKER

- Type 3 way, 3 speakers, Bassreflex
- Speaker(s) Super woofer
- Woofer **EH720** 17 cm cone type
- Tweeter 12 cm cone type
- Impedance **EH590** 6 cm cone type
- Input power (Music) High 60 W, Low 120 W
- Output sound pressure level **EH720** 87 dB(A) (1.0 m)
- EH590** 81 dB(A) (1.0 m)
- Crossover frequency **EH720** 120 Hz, 4 kHz
- EH590** 150 Hz, 4 kHz
- Frequency range **EH720** 42 Hz~50 kHz (-16 dB)
- EH590** 46 Hz~38 kHz (-10 dB)
- EH590** 46 Hz~22 kHz (-16 dB)
- EH590** 46 Hz~20 kHz (-10 dB)

- **General**
- Dimensions (W×H×D) 240×412×259 mm
- Mass 5.8 kg

- **CENTER SPEAKER** **EH720**
- Type 2 way, 3 speakers, Bassreflex
- Speaker Woofer(x2)
- Tweeter
- Impedance 8 Ω
- Input power (Music) 160 W
- Output sound pressure level 86 dB(W) (1.0 m)
- Crossover frequency 4 kHz
- Frequency range 100 Hz~22 kHz (-16 dB)
- 115 Hz~20 kHz (-10 dB)

- **General**
- Dimensions (W×H×D) 190×99×166 mm
- Mass 1.8 kg

- **SURROUND SPEAKER** **EH720**
- Type 1 way, 1 speaker, Closed
- Full range
- Impedance 8 Ω
- Input power (Music) 70 W
- Output sound pressure level 84 dB(W) (1.0 m)
- Frequency range 130 Hz~20 kHz (-16 dB)
- 130 Hz~18 kHz (-10 dB)

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