



AM/FM HI-FI STEREO RADIOGRAM

- * All transistor tuner with seven frequency bands (LW, MW, 4 x SW and FM).
- * Fully compatible FM stereo tuner with stereo indicator.
- * Silent tuning and AFC for both AM and FM reception.
- * Switchable bandwidth for improved AM reception.
- * Supra selector for suppression of interference in AM reception.
- * Motor wave range selection with "travel light" control.
- * High power amplifier with two channels each giving 40 Watts of peak music power with excellent acoustical qualities.

- * Four well-known Philips 9710M loudspeakers, two per channel.
- * High-quality stereo gramophone.
- * Stereo balance indication by means of a cathode ray tube.
- * Acoustron for acoustic balance control.
- * Reverbeo with reverberation indicator.

STEREO

PHILIPS



22RF870



technical data

WAVE RANGES

LW	150 — 400	kHz (2000 — 750 m)
MW	510 — 1620	kHz (588 — 185 m)
SW	1.6 — 4.7	MHz (187 — 64 m)
SW	4.5 — 10.5	MHz (66.5 — 28.5 m)
SW	10 — 20	MHz (30 — 15 m)
SW	19.5 — 30	MHz (15.4 — 10 m)
FM	87 — 108	MHz

VALVES AND SEMICONDUCTORS

RF	AF 102, AF 125 (3x), AF 185, BA 102, AA 119 (2x)
IF + det.	AF 126 (4x), AA 119 (4x)
AFC	AF 126, AF 185, BCZ 14, AA 119 (3x)
LF	AC 126 (2x)
Silent tuning	AC 126 (2x), AA 119 (2x)
Stereo decoder	AF 126, AC 128, AA 119 (4x), OA 95 (3x), GL1M
Reg. power supply	AC 125, AC 128, BZY 66, B30C250
AGC	BZY 14, OA 41
Supra selec.	AC 126 (3x)
Motor circ.	OA 210, OA 95, AA 119
PU pre-ampl.	EF 86 (2x)
AF pre-ampl.	
+ dr.	ECC 83 (4x)
Power stage	EL 86 (4x)
Balance contr.	ECF 80 (2x)
Balance indic.	DG 7-5
Rectifier	BY 100 (3x)

LAMPS

Wave range ind.	7999D/71 (7x)
Dial lighting	8024D/71 (6x)
Rev. indication	8024D/71

AERIALS

Ferroceptor for LW and MW
Dipole aerial for FM and SW

TUNED CIRCUITS

AM 1 + 1 RF, 3/5 + 2 + 2 + 2IF
FM 1/2 + 1 + 1 RF, 3 + 2 + 2 + 2 + rdIF

INTERMEDIATE FREQUENCY

AM 452 kHz, FM 10.7 MHz

SELECTIVITY

S9 on MW 2000x (500x)

LOUDSPEAKERS

4 x 9710M, 8" duo-cone

OUTPUT (D = 2%)

2 x 15 Watts sine power
2 x 25 Watts music power

POWER SUPPLY

90 - 110 - 127 - 145 - 165 - 190 - 220 and 245 V AC

POWER CONSUMPTION

Approx. 250 Watts

CONNECTIONS

FM dipole aerial
AM aerial, earth
Wire radio
Tape recorder
2 Extension loudspeakers (8 Ohms)

DIAL

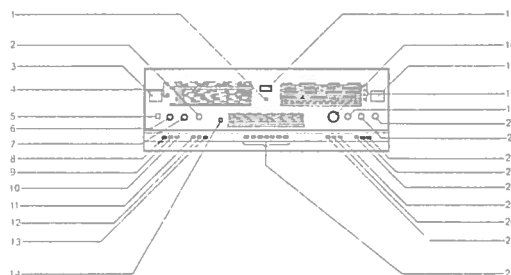
Linear with three pointers, pointerstroke AM 233 mm/9 1/8" (2x), FM 238 mm/9 3/8"

VERSIONS

22RF870/00 walnut matt with Hi-Fi Player GC 017 (as depicted overleaf)
22RF870/01 walnut highgloss with Hi-Fi Player GC 017

DIMENSIONS

w x h x d 1470 x 775 x 360 mm
approx. 57 7/8" x 31 1/8" x 14 1/8"



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|---------------------|-------------------------|
| 1 stereo indicator | 15 tuning indicator |
| 2 supra selector | 16 tuning |
| 3 balance indicator | 17 reverberation ind. |
| 4 wave range ind. | 18 wave range ind. |
| 5 on/off switch | 19 treble control |
| 6 balance control | 20 reverb. balance |
| 7 volume control | 21 bass control |
| 8 tuner | 22 reverber |
| 9 tape recorder | 23 mono/stereo |
| 10 gramophone | 24 acoustron |
| 11 AM local | 25 band width |
| 12 HFTR | 26 silent tuning |
| 13 aerial switch | 27 AFC |
| 14 wave range ind. | 28 wave range selection |

22 RF 870

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