

YAESU FT 102



SPECIFICATIONS

GENERAL

Type:	Amateur HF transceiver
Frequency range:	10-160 m + WARC in 12 bands 1.8-2.0 MHz (160 m) 3.5-4.0 MHz (80 m) 7.0-7.5 MHz (40 m) 10.0-10.5 MHz (30 m) 14.0-14.5 MHz (20 m) 18.0-18.5 MHz (17 m) 21.0-21.5 MHz (15 m) 24.5-25.0 MHz (12 m) 28.0-28.5 MHz (10 m) 28.5-29.0 MHz (10 m) 29.0-29.5 MHz (10 m) 29.5-29.9 MHz (10 m)
Tuning steps:	Continuous
Frequency stability:	Less than 100 Hz/hr after 30 minutes warmup
Mode:	AM / SSB / CW (AM TX and FM RX/TX option)
Channels/memory management:	No built-in (12 memories in optional FV-102DM)
Repeater shift/offset:	No dedicated (Use split or memory operation in optional FV-102DM)
Power supply:	Mains: 100 / 117 / 200 / 234 VAC
Current drain/power consumption:	RX: 95 VA (Heaters off) TX: Max 440 VA (100 W output)
Antenna impedance/connector:	50-75 ohm / SO-239
Dimensions (W*H*D):	368*129*310 mm (14.5*5.08*12.2")
Weight:	15 Kg (33.1 lb)
Other features:	VOX. NB. IF notch.

RECEIVER SECTION

Receiver system:	Double conversion superheterodyne 1st IF: 8.2 MHz 2nd IF: 455 KHz
Sensitivity:	AM: 1 uV (10 dB (S+N)/N), RF-amp on, no optional filter FM: 0.4 uV (20 dB quieting), RF-amp on (with optional AM/FM unit) SSB: 0.25 uV (10 dB (S+N)/N), RF-amp on, no optional filter CW: 0.18 uV (10 dB (S+N)/N), RF-amp on, no optional filter
Selectivity:	AM/SSB/CW: 2.7 KHz (-6 dB), 4.8 KHz (-60 dB), with no filter options The "Width" control adjusts continuously from 2.7 KHz to 500 Hz (-6 dB)
Image rejection:	1.8-21.5 MHz: >70 dB 24.5-29.9 MHz: >50 dB
AF output power/speaker:	1.5 W at 10% distortion / 8 ohm
External speaker connector:	4-16 ohm

TRANSMITTER SECTION

RF output power:	AM: Max ~40 W (max 80 W DC input), with optional AM/FM unit FM: Max ~50 W (max 120 W DC input), with optional AM/FM unit SSB/CW (1.8-25 MHz): Max ~100 W (max 240 W DC input)
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	SSB/CW (28-29.9 MHz): Max ~75 W (max 160 W DC input) NB! The PA is very conservatively driven, and can produce significantly higher output power if properly peaked and tuned.
Modulation system:	AM: Low level (with optional AM/FM unit) FM: Variable reactance (with optional AM/FM unit) SSB: Balanced
Max FM deviation:	±5 KHz
Spurious emissions:	Less than -40 dB
Microphone impedance/connector:	200-600 ohm / 8-pin (Metal locking ring connector)
Microphone input level:	? mV

MISCELLANEOUS

Manufactured:	Japan, 1982-1984 (Discontinued)
Additional info:	Tube hybrid: 12BY7A driver and three 6146B finals (Yes, three!)
Related documents:	User manual (10.7 MB) Service manual (40 MB)
Modifications and fixes:	
Reviews:	

Options/Accessories:	FC-102	Antenna tuner, 10-160 m, 1.2 KW PEP
	FV-102DM	External synthesized VFO with memories
	MD-1B8	Desk microphone
	MH-1B8	Hand microphone with up/down buttons
	PB-2347	AM TX and FM RX/TX unit
	SP-102	External speaker
	SP-102P	External speaker with phone patch
	XF-8.2GA	AM filter, 6 KHz
	XF-8.2HC	CW narrow filter, 600 Hz
	XF-8.2HCN	CW narrow filter, 300 Hz
	XF-8.2HSN	SSB filter
	XF-455C	CW narrow filter
	YM-34	Desk microphone
	YM-35	Hand microphone with up/down buttons
	YM-36	Hand microphone
	YM-37	Hand microphone
	YM-38	Desk microphone