

Classic Line FM30, FM150 & FM300

- 5-Year Warranty, best in the industry
- Best-in-Class Reliability, Efficiency, & Service & Support
- Optional Built-in Audio Processor for Transmitter Applications
- Optional Built-in DSP Based Receiver for Translator Applications



The Crown Classic line is a high-quality, robust, reliable FM transmitter system designed for years of 24/7 trouble-free. Many of our units are sent back for repair for the 1st time after 20 plus years of continuous service and often because of lightning or power surges, not product failure.

The Classic Line is available in models from 30 watts to 300 watts in three configurations. The E model is the basic exciter with composite input only. The T model includes a built-in audio processor and stereo generator allowing it to operate as a "suitcase" transmitter in a box. The R model is the original "Translator" which utilizes a DSP that incorporates advanced algorithms to provide world-class receiver performance. Tuner parameters have been optimized by experts in FM reception to provide the best overall performance, eliminating the need for adjustments.

Reliable operation is still the major design criterion in all Crown Broadcast products. Our classic units function with less wear and improved life span. A high-quality switching power supply for superior operation runs cooler and weighs less than a few years ago.

Classic FM30, FM150 and FM300 watt

E	07.4. 100TI (1
	87 to 108mHz (Japanese frequency available 74 to 90mHz)
Frequency Setting	
RF-Output	
	2.0:1 Maximum with automatic fold-back at higher VSWR
Frequency Stability	
	Direct frequency modulation of carrier (typical +/-200Hz)
Modulation Indication	•
FM S/N Radio (FM noise)	
	Better than 50dB referenced to 100 modulation @ 100Hz de-emphasis
	Better than 50dB with 100% modulation (typical >60dB)
RF Harmonics/Spurious Products	
	+/-120 kHz, better than –25dB, +/-240 kHz better than –35dB
Temperature Range	
Humidity Range	0 to 80% @ 20 degrees C (noncondensing)
Maximum Altitude	10,000 ft (3,000m)
AC Power	100 to 120 +/-10%, 50 to 60Hz
Power Factor	
DC power	36 to 72VDC (FM30/48VDC, 150/60VDC, 300/72VDC)
Power consumption 30, 150 and 300	
Regulatory Notification for FCC part 73 and 74	Meets FCC Requirements
RF output connector	Standard type N, 50 Ohm
Chassis Dimensions FM30, FM150 and FM300	5.3 x 16.5 x 17.5 inches (13.4 x 41.9 x 44.5 cm)
Weight FM30, 150 and FM300	21lbs, 25lbs and 25lbs
Heat output FM30, 150 and 300	100 BTU, 200 BTU and 400 BTU
Warranty	
Wide Band composite operation	
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- Composite Inputs	
- Composite Inputs Composite Input level	3.8 Vp-p for +/-75KHz deviation
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