

# FM Series "C"

Solid State FM Transmitters, 4KW to 6.5KW



FM6500C

Armstrong's Series "C" Solid State FM transmitters feature exceptional quality and reliability.

Built for the *real world* these RF Workhorses are designed with maximum redundancy to keep your revenue stream flowing with a sound that is as transparent as fine crystal.

Available from 4KW to 6.5KW

## Features

- Self contained 1.3KW Solid State amplifiers
- Redundant power supplies
- Complete Status for individual amplifiers
- Total System Status and Control
- VSWR Foldback and Protection
- Optional CD Quality Exciter
- Remote Control Ready
- Compatible with HD Radio®

# FM Series "C"

## Technical Specifications

### Electrical Characteristics

<b>Frequency Range</b>	88-108 MHz (Broadband PA)	
<b>RF Power Output</b>	FM-4000C	50 W - 4 kW
	FM-5200C	50W - 5.2 kW
	FM-6500C	50W - 6 kW
<b>Recommended Exciter</b>	Armstrong FMX-150B	
<b>PA Input Drive Required</b>	FM-4000C	60 Watts
	FM-5200C	80 Watts
	FM-6500C	100 Watts
<b>RF Input and Output Impedance</b>	50 Ohm	
<b>RF Output Connector</b>	1 5/8" EIA	
<b>RF Harmonic and Spurious Suppression</b>	Meets or Exceeds all FCC & CCIR requirements	
<b>Power Consumption:</b> (.96 power factor)	FM-4000C	6.8 kW
	FM-5200C	8.7 kW
	FM-6500C	10.1 kW
<b>AC Power Requirements</b>	208-240VAC, 50-60 Hz, single or three phase	

### Mechanical & Environmental Characteristics

<b>Dimensions &amp; Weight</b>	FM-4000C	22.25" W x 33" D x 78" H	680 LBS // 870 LBS crated
	FM-5200C	22.25" W x 33" D x 78" H	740LBS // 950 LBS crated
	FM-6500C	22.25" W x 33" D x 78" H	830LBS // 1040 LBS crated
<b>Cooling</b>	Forced Air		
<b>Operating Temperature</b>	-10 to +50 degrees C		
<b>Humidity</b>	95% Non- Condensing		
<b>Altitude</b>	7500' above sea level		



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