

FM Series "B"

Solid State FM Transmitters, 5KW to 12.5KW



Armstrong's Series "B" 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 2.5 to 12.5KW

Features

- Self Contained Solid State amplifiers
- Redundant power supplies (3 per amplifier)
- 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 "B"

Technical Specifications

Electrical Characteristics

Frequency Range	88-108MHz (Broadband PA)		
RF Power Output	FM5000B	50W - 5	KW
	FM7500B	50W - 7.5	KW
	FM10000B	50W - 10	KW
	FM12500B	50W - 12.5	KW
IPA	FMX150B Exciter : FM-5000B, FM-7500B FM650B : FM-10000B, FM -12500B		
PA Input Drive Required	FM5000B	60 watts	
	FM7500B	90 watts	
	FM10000B	120 watts	
	FM12500B	150 watts	
RF Input and Output Impedance:	50 Ohm		
RF Output Connector:	1 5/8" EIA		
RF Harmonic and Spurious Suppression:	Meets or Exceeds all FCC, IC & CCIR requirements		
Power Consumption: (.96 power factor)	FM5000B	8.2 Kw	
	FM7500B	12.37 Kw	
	FM10000B	16.5Kw	
	FM12500B	20.65Kw	
AC Power Requirements	208-240VAC, 50-60 HZ, single or three phase		

Mechanical & Environmental Characteristics

Dimensions & Weight	FM5000B	22.25" W x 33" D x 48" H	450LBS // 540LBS crated
	FM7500B	22.25" W x 33" D x 48" H	800LBS // 920LBS crated
	FM10000B	22.25" W x 33" D x 76" H	1090LBS // 1210LBS crated
	FM12500B	22.25" W x 33" D x 76" H	1315LBS // 1450LBS crated
Cooling	Forced Air		
Operating Temp.	-10 to +50 degrees C		
Humidity	95% Non- Condensing		
Altitude	7500' ASL		



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Note: All specifications and configurations are subject to change without notice.
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