



# GV Series

Digital/Analog FM

60 kW and 80 kW  
High Power FM Transmitters

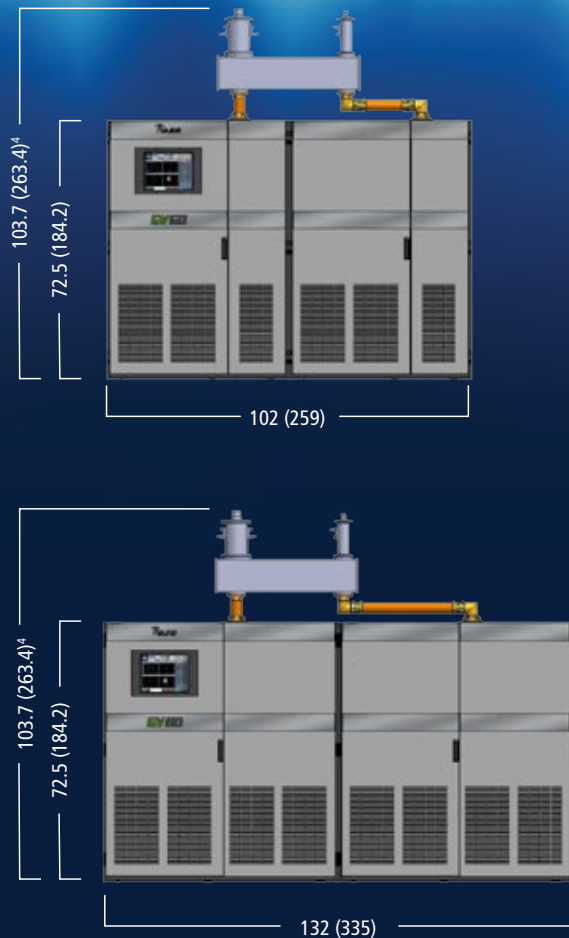


info@nautel.com | www.nautel.com

+1.902.823.5131

## Making Digital Radio Work.

Nautel has emerged as one of the world's largest manufacturers of radio broadcast transmitters with more than 14,000 deployments in 177 countries.



## QUICK SPECS



GV SERIES		GV60	GV80
Analog Only	Max Power	66 kW	88 kW
	Typical Efficiency	72%	72%
FM + HD -20dB	Total Avg Power MP1 <sup>1</sup>	62.1 kW	82.8 kW
	Analog Power MP1 <sup>1</sup>	61.5 kW	82.0 kW
	Analog Power MP3 <sup>1</sup>	60.0 kW	80.0 kW
	Typical Efficiency	70%	70%
FM + HD -14dB	Total Avg Power MP1 <sup>1</sup>	57.7 kW	77.0 kW
	Analog Power MP1 <sup>1</sup>	55.5 kW	74.0 kW
	Analog Power MP3 <sup>1</sup>	54.0 kW	72.0 kW
	Typical Efficiency	60%	60%
FM + HD -10dB	Total Avg Power MP1 <sup>1</sup>	44.6 kW	59.4 kW
	Analog Power MP1 <sup>1</sup>	40.5 kW	54.0 kW
	Analog Power MP3 <sup>1</sup>	40.0 kW	52.0 kW
	Typical Efficiency	55%	55%
HD Only -20dB	Max Power MP3 <sup>1</sup>	33.0 kW	44.0 kW
	Typical Efficiency	56%	56%
HD Only -14dB	Max Power MP3 <sup>1</sup>	27.0 kW	36.0 kW
	Typical Efficiency	54%	54%
HD Only -10dB	Max Power MP3 <sup>1</sup>	24.0 kW	32.0 kW
	Typical Efficiency	52%	52%
AC Input	1-Ph 175-265 V or 3-Ph 175-265 V / 303-459 V (47-66 Hz) <sup>2</sup>		
Power Modules	24	32	
Switching Power Supplies	48	64	
Power Factor	0.98 (unity power factor corrected)		
Height (in/cm)	103.7 (263.4) <sup>4</sup>		
Height (in/cm) (transmitter cabinet only)	72.5 (184.2)		
Width (in/cm)	102 (259)	132 (335)	
Depth (in/cm)	33 (83.8) <sup>3</sup>		
Weight (in/cm)	2600 (1182)	3420 (1555)	

<sup>1</sup> Typical power measured with 1.1:1 VSWR

<sup>2</sup> Actual ac input voltage range is 90-265 V/156-459 V; transmitter limited to 1/3 rated power below 175/303 V.

<sup>3</sup> Depth can be reduced to 30" (76.2 cm) with the rear filter panel(s) and front door(s) removed.

<sup>4</sup> Please discuss your specific height and layout needs with Nautel sales representatives.

Specifications subject to change. Please refer to individual product specification sheets for full product details.

Power outputs vary with injection level, frequency, VSWR, MP operating mode, and symmetrical vs. asymmetrical sidebands. Please contact your Nautel representative to discuss your specific HD power requirement.