

# GV<sup>2</sup> Series

Digital/Analog FM

60 kW and 80 kW  
High Power FM Transmitters

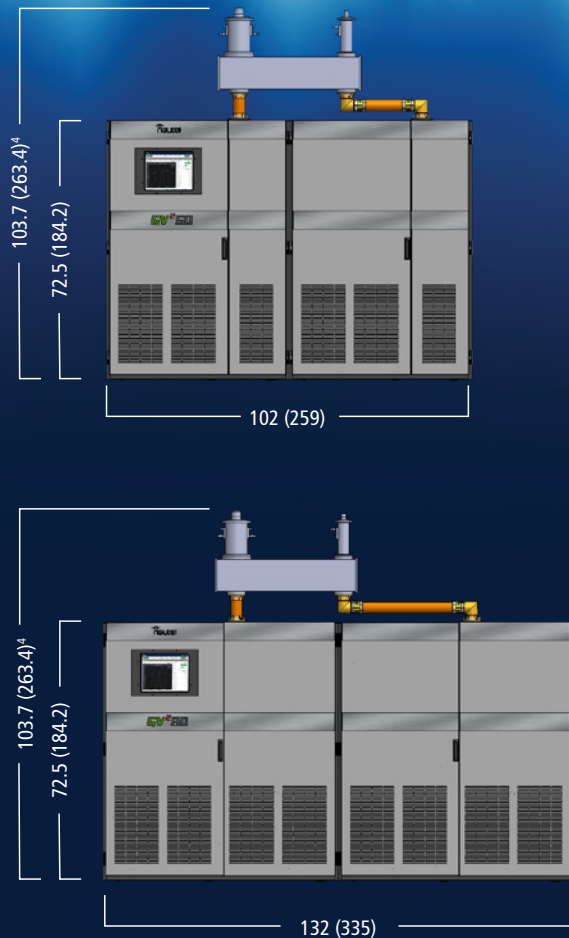


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## Making Digital Radio Work.

Nautel is the world's largest manufacturer of FM and AM radio broadcast transmitters with more than 20,000 deployments in 177 countries.



<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.

## QUICK SPECS



GV <sup>2</sup> SERIES		GV <sup>2</sup> 60	GV <sup>2</sup> 80
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%
HD Options	<b>JUST ADD AUDIO*</b>	Software-Based Air Chain with Omnia for Nautel, vPorter, vExgine, Blend-Lock, Air Chain Selector	
	Legacy	HD Multicast+ Importer Exporter and engine card	
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 (lb/kg)		2600 (1182)	3420 (1555)

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.

**Upgradeable** GV2 Series Transmitters are future ready, providing an easy upgrade path to the next highest nameplate power level.

To achieve similar analog TPO as provided by HD PowerBoost, customers implementing Software-Based Air Chain with PAR2 can expect 1 dB lower digital injection levels.