



GV Series

Digital/Analog FM

60 kW and 80 kW
High Power FM Transmitters

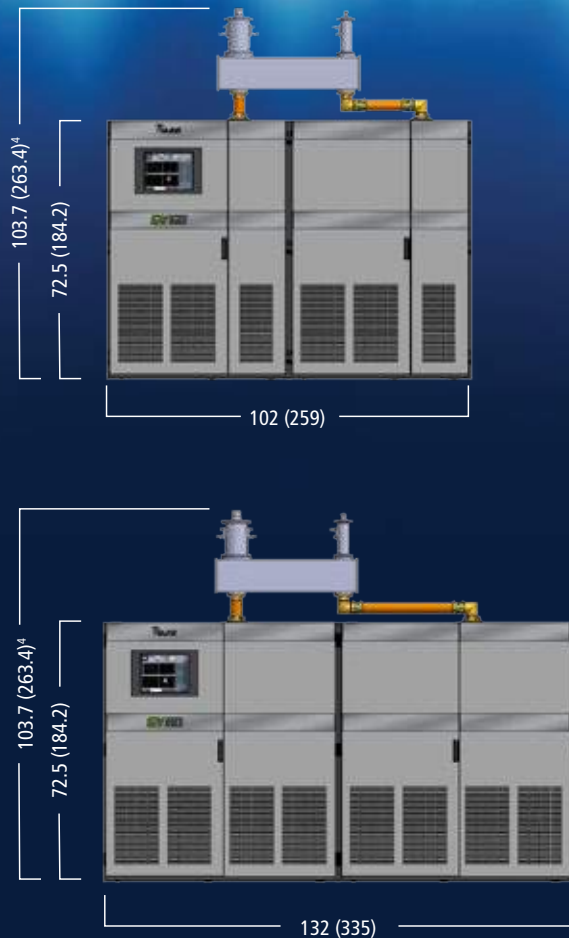


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Making Digital Radio Work.

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 ¹ | 62.1 kW | 82.8 kW |
| | Analog Power MP1 ¹ | 61.5 kW | 82.0 kW |
| | Analog Power MP3 ¹ | 60.0 kW | 80.0 kW |
| | Typical Efficiency | 70% | 70% |
| FM + HD -14dB | Total Avg Power MP1 ¹ | 57.7 kW | 77.0 kW |
| | Analog Power MP1 ¹ | 55.5 kW | 74.0 kW |
| | Analog Power MP3 ¹ | 54.0 kW | 72.0 kW |
| | Typical Efficiency | 60% | 60% |
| FM + HD -10dB | Total Avg Power MP1 ¹ | 44.6 kW | 59.4 kW |
| | Analog Power MP1 ¹ | 40.5 kW | 54.0 kW |
| | Analog Power MP3 ¹ | 40.0 kW | 52.0 kW |
| | Typical Efficiency | 55% | 55% |
| HD Only -20dB | Max Power MP3 ¹ | 33.0 kW | 44.0 kW |
| | Typical Efficiency | 56% | 56% |
| HD Only -14dB | Max Power MP3 ¹ | 27.0 kW | 36.0 kW |
| | Typical Efficiency | 54% | 54% |
| HD Only -10dB | Max Power MP3 ¹ | 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) ² | | |
| Power Modules | 24 | 32 | |
| Switching Power Supplies | 48 | 64 | |
| Power Factor | 0.98 (unity power factor corrected) | | |
| Height (in/cm) | 103.7 (263.4) ⁴ | | |
| Height (in/cm) (transmitter cabinet only) | 72.5 (184.2) | | |
| Width (in/cm) | 102 (259) | 132 (335) | |
| Depth (in/cm) | 33 (83.8) ³ | | |
| Weight (in/cm) | 2600 (1182) | 3420 (1555) | |

¹⁾ Typical power measured with 1.1:1 VSWR

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

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

⁴⁾ 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.