



-20dB IBOC Hybrid Mode

NAUTEL NV40 35kW*

BRAND A TUBE 30kW

BRAND B TUBE 25kW

-10dB IBOC Hybrid Mode

NAUTEL NV40 23kW*

TUBE 17kW

TUBE 15kW

Analog

NAUTEL NV40 44kW

BRAND A TUBE 38.5kW

BRAND B TUBE 35kW

Analog power for single cabinet systems
 * Two NV40s offer 88kW of analog power

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expect
MORE

more

CONTROL

more

DIGITAL

more

POWER

NV40



NV40



NV40 ADVANCED USER INTERFACE (AUI)

The NV40 features a 17 inch color LCD screen with a wide range of configurable displays. The AUI can be controlled by touch screen, or via a mouse and keyboard. Screens are easy to set up and read, and clearly display the parameters you need to see. Some of the features of the AUI include:

- Spectrum analyzer
- Comprehensive monitoring and control to the module level
- Extensive logging of all functions
- HD Radio constellation view

HIGHEST DIGITAL POWER IN ITS CLASS

The NV40 has more power for digital and more power for increased IBOC injection levels. With Nautel's optional HD Power Boost you can get even more power and improve efficiency too.

* Using Nautel HD Power Boost.

HIGHEST ANALOG POWER IN ITS CLASS

With 44kW of analog power, the NV40 has more power than any other single cabinet transmitter. More power and more options. More power for digital and more power for increased IBOC injection levels.

NV40



44kW Analog
35kW Hybrid -20dB*
23kW Hybrid -10dB*

MORE POWER, MORE CONTROL

With the highest single cabinet power output of any FM broadcast transmitter at 44kW the NV40 creates a whole new class of broadcast transmitter. More power and more options. More power for digital and more power for increased IBOC injection levels.

And power is only part of the NV40 story. The NV40 includes Nautel's Advanced User Interface (AUI) with 17" touch screen monitor and web access. The frequency agile NV40 comes complete with an advanced integral digital exciter and digital radio capability. Extensive architectural redundancy ensures no single point of failure. Add hot-swap front access serviceability with rugged design and the result is the most advanced digital FM transmitter available today.

QUICK SPECS		NV40
Analog FM Only	Max power (kW)	44
	Rated Power (kW)	40
	Typical Efficiency	65%
HD Hybrid Mode -20dB	Max power (kW)	32
	With HD Power Boost	35
	Typical Efficiency	55% (58%*)
HD Hybrid Mode -10dB	Max power (kW)	17.5
	With HD Power Boost	23
	Typical Efficiency	40% (45%*)
AC Input 50/60 Hz		1 phase 180 - 264V 3 phase 180 - 264V / 312 - 457V
Power Modules		16
Switching Power Supplies		32
Power Factor (typical)		0.99
Height (in/cm)		72.5 (184.5)
Width (in/cm)		65 (165.1)
Depth (in/cm)		32 (81.3)
Weight (lbs/kg)		1,900 (864)

Specifications subject to change
 * Efficiency and power using Nautel HD Power Boost option



less is more | more is less

LESS MAINTENANCE, SMALLER FOOTPRINT, NO TUNING, NO TUBES

Solid state reliability and redundancy keeps you on-air. A small footprint lets you pack more power into an existing facility. Easy maintenance keeps your engineers happy.

HIGH POWER AT A TRULY AFFORDABLE PRICE

At half the price of comparable solid state FM transmitters and with considerably higher efficiency Nautel's new NV40 saves you both in initial investment and operating cost.