

Prima-N-GA



VHF radio

Prima-N-GA radio provides voice communications between ATC centers and aircraft.



Key features

- Compact design; housing according to IEC 297 with width 19 inches and height 3U;
- High Coefficient of Efficiency: maximal power consumption is 460 W at the output power 50 W;
- Continuous duty cycle in the transmission mode;
- Easy control from the front panel as well as remote control over Ethernet;
- Headset can be connected to the front panel;
- Embedded loudspeaker;
- Automatic and automated self-test. Duration of radio set automatic self-test after switching on is max 30 s;
- Easy monitoring of the emission power, SWR of antenna-feeder path, received RF and AF signals.

Technical specifications:

Parameter	Value
Frequency range, MHz	118.000-136.975
	118.000-136.9917
	118.000-155.975
Frequency spacing, kHz	25/8,33/25
Frequency stability	$2 \cdot 10^{-7}$
Emission classes	A3E-W, A3E-N, A3E-W
Data rate, Kbit/s	1.2; 2.4; 4.8; 16
The quantity of programmed channels	99
Transmitter sensitivity, mkV, max	1.5
Adjacent receiving channels attenuation, dB	80/90
Transmitter output power, W	50
Output power adjustment, dB	- 10 to 0 adjustable in 1 dB step
Noise power spectral density at mistuning 1 %, dB/Hz	150
Transmitter harmonic components attenuation, dB	70/90
Supply voltage AC	220V, 50 Hz or 27 V (DC)
Power consumption in Tx/Rx mode, W	460
Control	from front panel,
	remote over Ethernet
Information interfaces	C1-TCh, C1-FI, (0-10V)
Operating temperature range, °C	
	high + 40
low	-10
Dimensions (WxHxD), mm	483x133x436
Weight, kg	19
MTBF, hours	15000

