



AMPLIDAN A/S, 201 Herlev Hovedgade
DK-2730 Herlev, Denmark
Phone: 02-943511 – Cables: Amplidan
Telex: 35110

Description

Equipment Type	6120
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2 kW SSB Transmitter

Purpose:

The transmitter is intended for coastal telephony.

Frequency Range

Six spot frequencies in the range 1,6–4,0 MHz.

Frequency response

± 1 dB within range

Frequency stability

Short term ± 5 Hz

Long term ± 20 Hz

Output power

Min. 2 kW PEP at two-tone. IMD of less than 40 dB relative PEP.

Harmonic content:

More than 43 dB attenuated within frequency range

Spurious emission:

More than 50 dB within frequency range

Broad-band white noise content:

Less than 100 dB

Transmitter output

50 Ω unbalanced

Primary power source:

3-phase 380V AC with neutral line, 50 Hz, voltage tolerance ± 10%

Power drain at 2 kW PEP:

2500 VA approx.

High Voltage for PA-Stage

3,2 kV derived from full-wave, 3-phase rectifier using silicon diodes of avalanche type and fully protected against short circuits.

Remote Control

The following commands can be given, and in return be obtained:

Transmitter: STAND-BY – ON AIR

Mod. mode: A3J, A3A, A3H

Channel select: 1–6

Heating-Up Time

200 seconds from cold start.

Time of channel change

Approx. 2 seconds for full power radiation.

Cooling System

Forced air from centrifugal blower.

Climatic Conditions

Equipment is designed for operation under tropical environments, i.e. temperature range 0–50°, relative humidity up to 90%.

Overload Protection

Overcurrent cut-out, excessive WSWR cut-out. The same applies to HT-supplies.

