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TECHNOLOGIES UNDER CONTROL

POWER AMPLIFIERS

RADIO COMMUNICATION
AND DATA EXCHANGE SYSTEMS

RKS-8000 WM-B RKS-8000 WM-D



- Designed to work with RKS-8000-B and RKS-8000-D transceiver sets (depending on the type of the amplifier)
- Can be mounted on stationary objects, vehicles, as well as vessels

The RKS-8000WM-B (150W) and RKS-8000WM-D (400W) power amplifiers are broadband power amplifiers dedicated to work with RKS-8000-B or RKS-8000-D transceiver sets accordingly.

The amplifier ensures data transmission and voice message exchange in the HF band with the power of 150W or 400W. It can be mounted on stationary objects, vehicles and vessels. The

device is equipped with output protection against abnormal loads and overheating.

They co-operate with the RKS-8000SA antenna coupler that automatically matches the antennas impedance. The HF broadband antenna can be directly connected with the amplifiers' output.

The internal control cooling system ensures proper operation of the amplifier at increased temperatures.





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POWER AMPLIFIERS

RKS-8000 WM-B RKS-8000 WM-D

GENERAL	RKS-8000 WM-B	RKS-8000 WM-D
Frequency:	1,5MHz to 30MHz	1,5MHz to 30MHz
Power supply:	24V/5A, 28V/20A	24V/5A, 47V/30A
Output power:	150W PEP and CW	400W PEP and CW
RF input:	100mW nominal	100mW nominal
Load impedance:	50Ω	50Ω
IMD:	≤ 30dB	≤ 35dB
Harmonics:	≤ 45dB	≤ 45dB

ENVIRONMENTAL REQUIREMENTS	RKS-8000 WM-B	RKS-8000 WM-D
Operating Temperature:	-20° C to + 55° C	-20° C to + 55° C
Storage Temperature:	-30° C to + 65° C	-30° C to + 65° C

DIMENSIONS	RKS-8000 WM-B	RKS-8000 WM-D
Weight in kg:	18	22
Dimensions in mm:	308×160×380	308×192×380