

Radar (Spoon Rest C [P-12]) - SA-2

Soviet Union [-1991]

Type: Mobile Vehicle(s)

Commissioned: 0

Operator: Red Army

Length: 4 m

Width: 6 m

Crew: 0



Sensors / EW:

- Spoon Rest C [P-12] - Radar, Radar, Air Search, 2D Medium-Range, Max range: 277.8 km

OVERVIEW: The P-12 radar (NATO name: SPOON REST) is a mobile, 2-D early warning and target acquisition radar operating in the "A" Band.

DETAILS: The P-12 uses a single antenna for both transmission and reception. A complete system is usually composed of an antenna/shelter vehicle, a generator vehicle, and a secondary vehicle-mounted radar for IFF. Weapons systems frequently associated with the P-12 include the S-75 Dvina/SA-2 GUIDELINE.

Specifications:

Frequency: 150-170 MHz ("A" Band)

Power output: 180-350 kW (peak)

PRF: 360 Hz, 310-400 pps

Range Resolution: 900 m

On/Off time: unknown

Detection Ranges

 Fighter size aircraft

 500 m altitude: unknown

 10000m alt.: unknown

NOTES: The P-12 entered service in 1956 and was widely exported. VHF radars such as the P-12 remain important, as they can be better at detecting stealth aircraft than more recent, higher frequency radars.

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SOURCES: Janes Radar and Electronic Warfare Systems "P-12/P-18 series early-warning radars, 08 December 2004; "SPOON REST." GlobalSecurity.org - Reliable Security Information. Accessed February 28, 2015. <http://www.globalsecurity.org/military/world/russia/spoon-rest.htm>; Dr Carlo Kopp, Russian VHF counter stealth radars proliferate, www.ausairpower.net/SP/DT-Rus-VHF-Radar-2008.pdf