

Radar (China JY-8A Wall Rust) -

Thailand

Type: Building (Surface)

Commissioned: 1992

Operator: Air Force

Length: 12 m

Width: 12 m

Crew: 0



Sensors / EW:

- China JY-8A Wall Rust - Radar, Radar, Air Search, 3D Medium-Range, Max range: 166.7 km

OVERVIEW: The JY-8A WALL RUST is a mobile, short range 3-D air mobile tactical radar operating in the G/H-band.

DETAILS: A modified version of the JY-8, the JY-8A is intended to provide precise 3-D information on targets for fire control. It has an increased capability of detecting low-altitude targets, but at the cost of a reduced detection range, and lower height accuracy. It is physically identical to the JY-8. ECCM features include frequency agility, Constant False Alarm Rate (CFAR), low sidelobes and blanking of jammed beams. It is capable of tracking up to 24 targets.

Specifications:

Frequency: 4-8 GHz (G/H Band (NATO), C Band (IEEE))

Power output: 40 kW(average); 800 kW (peak)

PRF: 300 pps

Range Accuracy: 500 m (range), 0.3 degrees azimuth

On/Off time: unknown

Deploy/Stow Time 120 minutes/ 120 minutes

Detection Range

tgt alt. 100m: unknown km

tgt alt. 18000m: unknown km

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Max Range: 150 km

NOTES: The JY-8 can be employed as the main radar sensor for an automated tactical defense system, or can be used as an independent radar.

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SOURCES: http://en.wikipedia.org/wiki/JY-8_Radar ; Bussert, James C., and Bruce A. Elleman. People's Liberation Army Navy Combat Systems Technology, 1949-2010. Annapolis, Md: Naval Institute Press, 2011, pg. ; Jane's Radar and Electronic Warfare Systems, 2001-02, "JY-8A tactical radar," pg. 416-17, <http://librarun.org/book/30265/416>