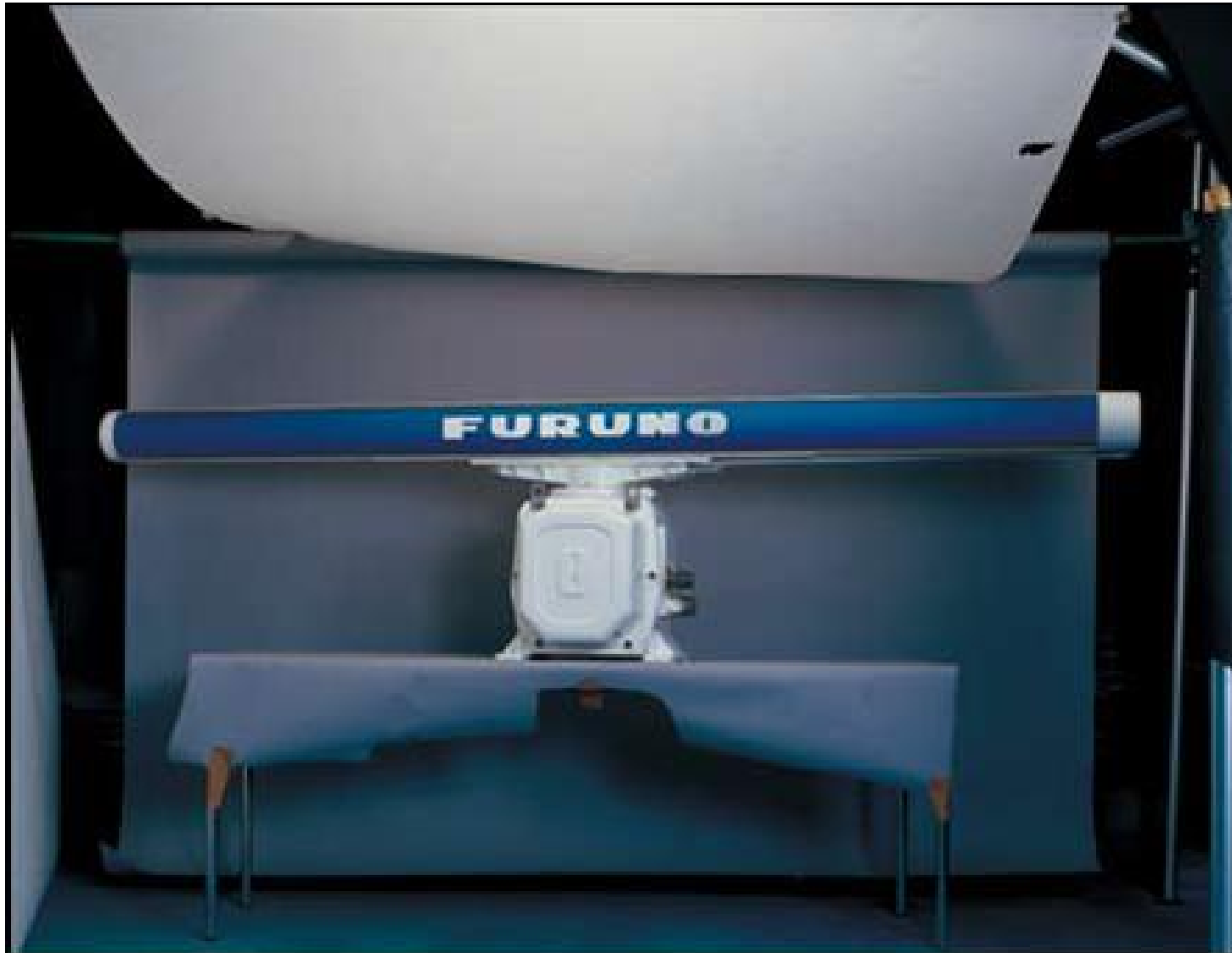


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Non-coherent radar (primary radar system)



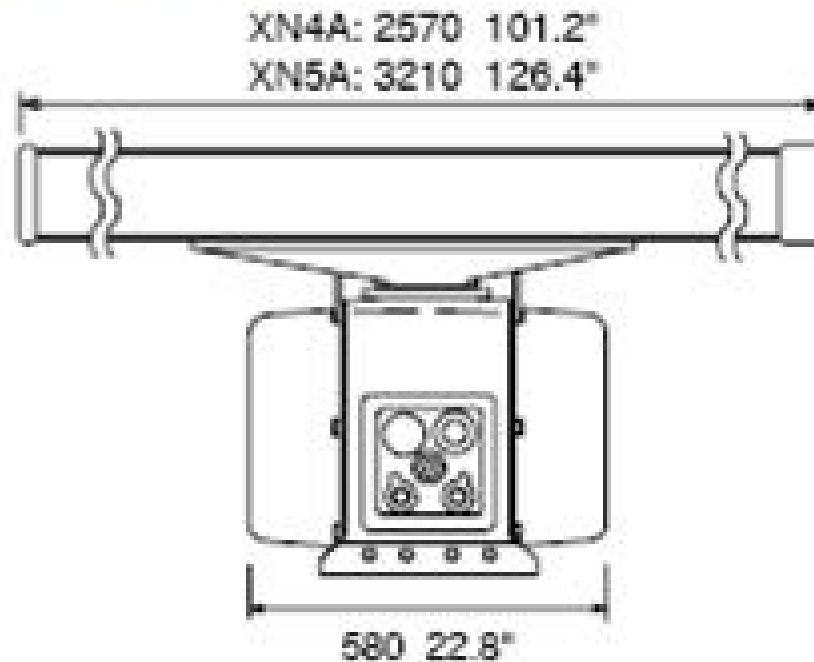
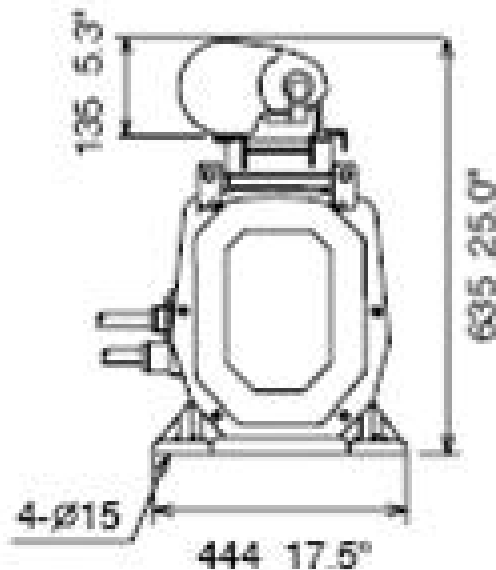
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Size and weight specification (our unit is the XN-5A)

Antenna Unit for FAR-2157

XN-4A 74 kg 163 lb

XN-5A 79 kg 170 lb



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Nomenclature and emitter characteristics

- Antenna Type: Slotted waveguide array
- Antenna length: 10 ft
- Antenna Beam Width (H): 0.75°
- Antenna Beam Width (V): 20°
- Sidelobe within $\pm 10^{\circ}$: -26 dB
- Sidelobe outside $\pm 10^{\circ}$: -30 dB
- Back Lobe Width: no spec provided by vendor
- Polarization: horizontal
- Frequency: 9410 MHz ± 30 MHz (X-Band)
- Instantaneous Bandwidth: 40 MHz
- Peak Output Power: 50 kW
- Average Output Power: 7.6 W
- Pulse length: 80 ns
- Pulse Repetition Frequency: 1.9 kHz