



KONGSBERG

KONGSBERG X-BAND RADAR



X-band radar scanners (10kW/6ft and 25kW/9ft)

X-band radar scanners are available from Kongsberg Maritime with either 10 kW or 25 kW transmission.

The X-band 10 kW scanner is provided with a 6ft antenna.

The X-band 25 kW scanner is provided with a 9ft antenna.

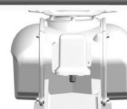
Features

- Modular and solid state design.
- Optional high-speed rotation (48 rpm) for high-speed craft (available for 10 kW/6ft model).
- Built-in power supply unit.
- Built-in performance monitor (required for IMO SOLAS vessels).
- 40m cable kit included.
- Neck heater (anti-icing) option (available for 25 kW model).
- Meets in full or exceeds the requirements of IEC 60945 and IEC 62388.
- Conforms to the relevant EU MED directives.
- Greater resolution from a smaller antenna, as compared to S-band.
- Compatible with SART transponders and radar beacons.

KEY POINTS

- Reduced antenna height increases reliability of drive device.
- Rotation speed of up to 48 rpm.
- Radar performance monitoring.

X-band 25 kW, 9ft array



X-band 10 kW, 6ft array



Technical details

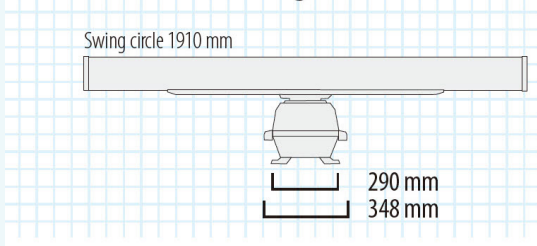
X-band 10 kW, 6 ft

| | |
|------------------------|--|
| KM part number | 459575 |
| KM model name | NKE-2103-6/KM NKE-2103-6HS/KM |
| Transmitting power | 10 kW |
| Antenna length | 6ft |
| Transmitting frequency | 9410 MHz +/- 30 MHz |
| Rotation speed | 27 rpm 48 rpm (high-speed model) |
| Beam width | Hor. 1.2°, ver. 20° |
| Pulse width (freq.) | 0.08 µs / 2250 Hz 0.25 µs / 1700 Hz 0.5 µs / 1200 Hz 0.8 µs / 750 Hz 1.0 µs / 650 Hz |
| Duplexer | Circular and diode limiter |
| Range scale | 0.125/0.25/0.5/0.75/1.5/3/6/12 /24/48/96 NM |
| Motor | 220 VAC - ph1, brushless |
| Tuning | Automatic/manual |
| Modulator | Solid state modulator circuit |
| Ambient conditions | Temperature -25°C ~+55°C Rel. humidity 93% @ 40°C |

X-band 25 kW, 9 ft

| | |
|------------------------|--|
| KM part number | 459574 |
| KM model name | NKE-1125-9/KM |
| Transmitting power | 25 kW |
| Antenna length | 9ft |
| Transmitting frequency | 9410 MHz +/- 30 MHz |
| Rotation speed | 24 rpm |
| Beam width | Hor. 0.8°, ver. 20° |
| Pulse width (freq.) | 0.07 µs / 2250 Hz 0.2 µs / 2250 Hz 0.3 µs / 1900 Hz 0.4 µs / 1400 Hz 0.8 µs / 750 Hz 1.0 µs / 650 Hz 1.2 µs / 510 Hz |
| Duplexer | Circular and diode limiter |
| Range scale | 0.125/0.25/0.5/0.75/1.5/3/6/12 /24/48/96 NM |
| Motor | 220 VAC - ph1, brushless |
| Tuning | Automatic/manual |
| Modulator | Solid state modulator circuit |
| Ambient conditions | Temperature -25°C ~+55°C Rel. humidity 93% @ 40°C |

NKE-2103-6 MASS 40 kg



NKE-1125-9 MASS 60 kg

