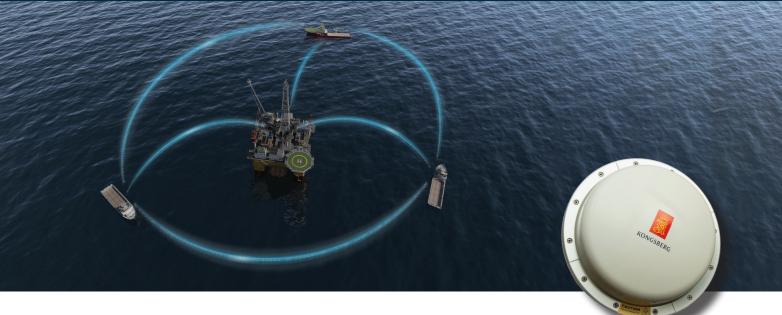
MBR 169





MARITIME BROADBAND RADIO

The Maritime Broadband Radio is a smart antenna designed for use in any application where digital high-speed reliable communication and data transfer is crucial for efficient and safe operation. The MBR 169 is a cost-effective solution with lower radiated emission compared to MBR 179. The MBR 169 is suitable for vessels requiring medium range omnidirectional coverage.

TECHNICAL SPECIFICATIONS

PERFORMANCE Range

Operational range 1) . User data

Antenna coverage Omni-directional

RF specifications Frequency band 2) Channel bandwidth Tx power Antenna gain EIRP Modulation

INTERFACES Data

WEIGHTS AND DIMENSIONS MBR Unit MBR Power Supply

POWER MBR Unit Max. power consumption RX only

35 km 0.7 to 16.5 Mbps

360 degrees azimuth

4900 MHz to 5900 MHz 20 MHz Up to 1 W 21 dBi Max 51 dBm GMSK

1 x Ethernet, RJ-45

16.5 kg, 500 x 500 x 318 mm 6.4 kg, 88.1 x 485 x 334.75 mm

210 W 70 W

MBR Power Supply Supply voltage

ENVIRONMENTAL SPECIFICATIONS Operating temperature range MBR Unit MBR Power Supply

Operating humidity MBR Unit MBR Power Supply

Storage humidity MBR Unit (recommended) MBR Power Supply

Ingress protection MBR Unit

STANDARDS AND REGULATIONS Electromagnetic compatibility Compliance to EMCD, immunity/emission

Product safety Compliance to LVD, standard used 110 to 240 V AC

-30 °C to +55 °C -15 °C to +55 °C

20 to 100 % RH Max. 95 % non-condensing

20 to 70 % RH Less than 55 %

IP66

IEC 60945/EN 60945 IEC 60950/EN 60950

¹⁾ Operational range is dependent on antenna placement and height
²⁾ Configurable range for the single 20 MHz channel

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