

KUM480 KUM600 KUM700 MWM

Marine and Land Based HF/SSB Antenna

KUM48MWM, KUM60xMWM and KUM7xxMWM series represent an omnidirectional side-fed HF transceiver antenna for automatic antenna tuned systems for both leisure and commercial vessels. The KUM480MWM, KUM60xMWM and KUM7xxMWM antennas are available in versions for Tx/Rx wire installation, Tx/Rx coax installation and Rx coax installation with extended frequency range. The antennas are for mast mount installation and they come in 2 or 3 section models.

The antennas are manufactured in premium quality materials in order to prevent galvanic corrosion. Radiating elements are made of copper.

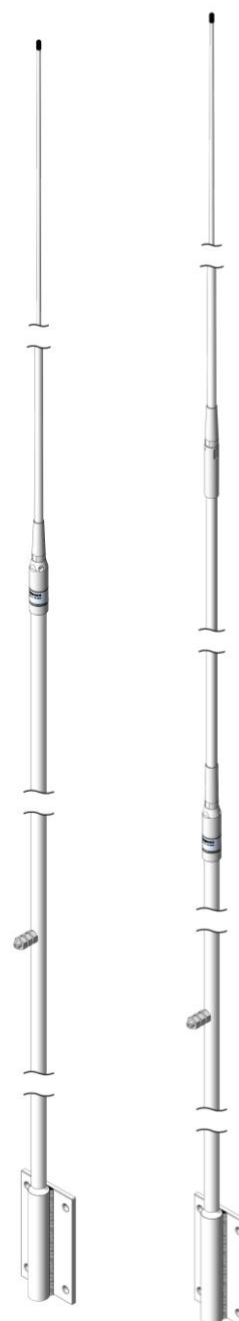
KUM480MWM, KUM60xMWM and KUM7xxMWM antennas are subject for improvement at all times. The antennas have the same rugged design as all other AC Antennas products thus it withstands harsh environmental conditions, both on sea and land.

Electrical specifications

Frequency range (MHz)	Tx/Rx: 1.4-30.0. Rx only: 0.15-30
Maximum power (Watts)	Tx: 500/750/1000 PEP
<small>KUM480MWM/KUM60xMWM/KUM7xxMWM</small>	Rx: Receive only
Maximum HF Voltage (kV)	Tx: 9 Rx: Receive only
Insulation Resistance	> 10 E9
Static Capacitance (pF)	55/70/80
<small>KUM480MWM/KUM60xMWM/KUM7xxMWM</small>	
Polarization	Vertical
DC-shorted	KUM480MWM/KUM60xMWM/KUM7xxMWM: No. KUM480-1MWM/KUM60x-1MWM/KUM7xx-1MWM: No. KUM480-2MWM/KUM60x-2MWM/KUM7xx-2MWM: Yes

Mechanical specifications

Length (m/ft)	See Ordering Information.
Wind load @ 160 km/h (N)	99/150/161
<small>KUM480MWM / KUM60xMWM / KUM7xxMWM</small>	
Material	Fibreglass
Colour	White polyurethane lacquer
Temperature range (°C/°F)	-55 to +60 / -67 to +140
Ingress Protection	IP66



2-section

3-section

Ordering Information:

2-Section:

KUM480MWM: Wire Installation. Tx/Rx. 2 sections. Mast and wall mount. Length: 4.8m.
 KUM480-1MWM: Coax Installation. Tx/Rx. 2 sections. Mast and wall mount. Length: 4.8m.
 KUM480-2MWM: Coax Installation. Rx only. 2 sections. Mast and wall mount. Length: 4.8m.
 KUM600MWM: Wire Installation. Tx/Rx. 2 sections. Mast and wall mount. Length: 6.0m.
 KUM600-1MWM: Coax Installation. Tx/Rx. 2 sections. Mast and wall mount. Length: 6.0m.
 KUM600-2MWM: Coax Installation. Rx only. sections. Mast and wall mount. Length: 6.0m.
 KUM700MWM: Wire Installation. Tx/Rx. 2 sections. Mast and wall mount. Length: 7.0m.
 KUM700-1MWM: Coax Installation. Tx/Rx. 2 sections. Mast and wall mount. Length: 7.0m.
 KUM700-2MWM: Coax Installation. Rx only. sections. Mast and wall mount. Length: 7.0m.

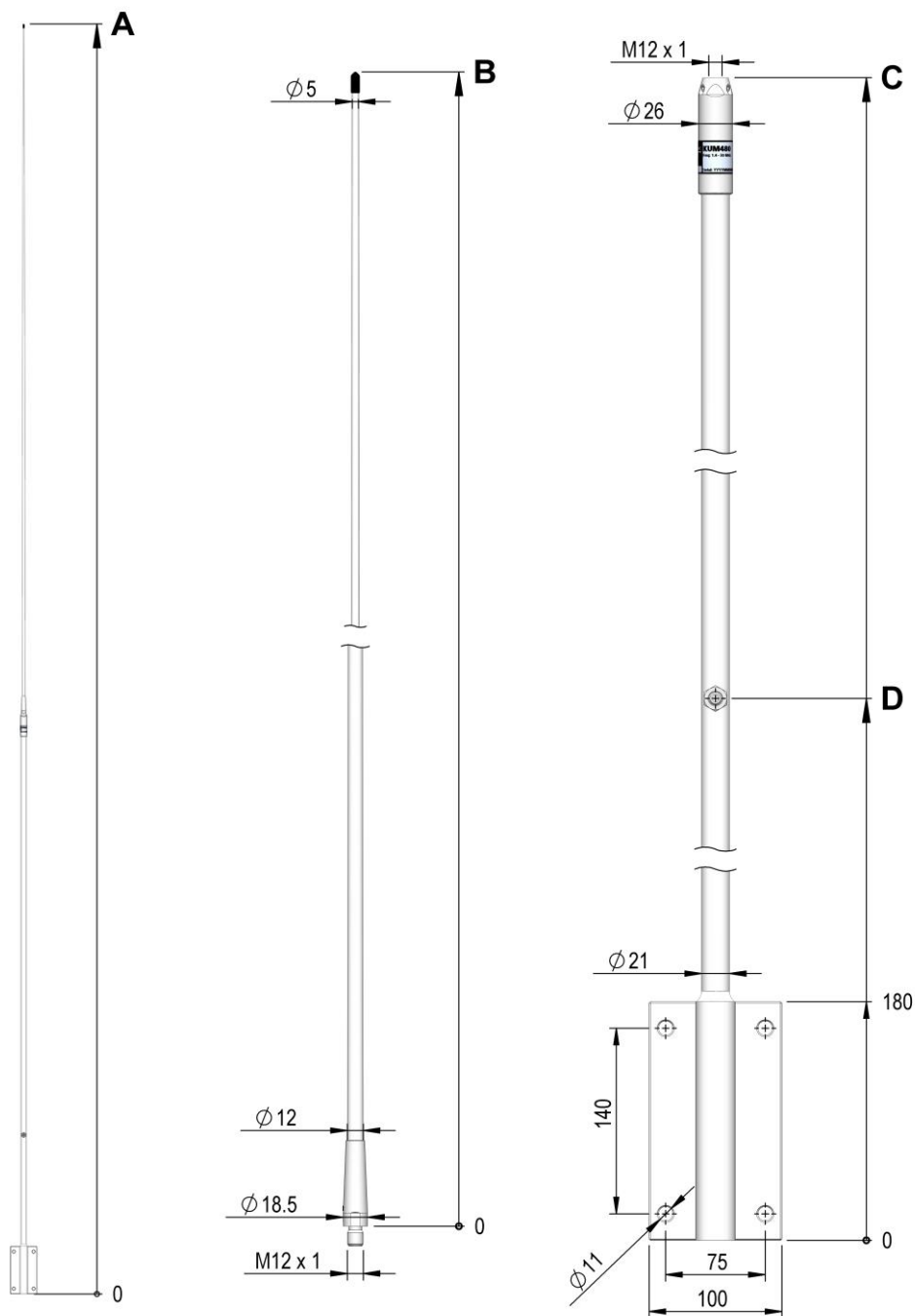
3-Section:

KUM603MWM: Wire Installation. Tx/Rx. 3 sections. Mast and wall mount. Length: 6.0m.
 KUM603-1MWM: Coax Installation. Tx/Rx. 3 sections. Mast and wall mount. Length: 6.0m.
 KUM603-2MWM: Coax Installation. Rx only. 3 sections. Mast and wall mount. Length: 6.0m.
 KUM703MWM: Wire Installation. Tx/Rx. 3 sections. Mast and wall mount. Length: 7.0m.
 KUM703-1MWM: Coax Installation. Tx/Rx. 3 sections. Mast and wall mount. Length: 7.0m.
 KUM703-2MWM: Coax Installation. Rx only. 3 sections. Mast and wall mount. Length: 7.0m.

Ordering Short List:

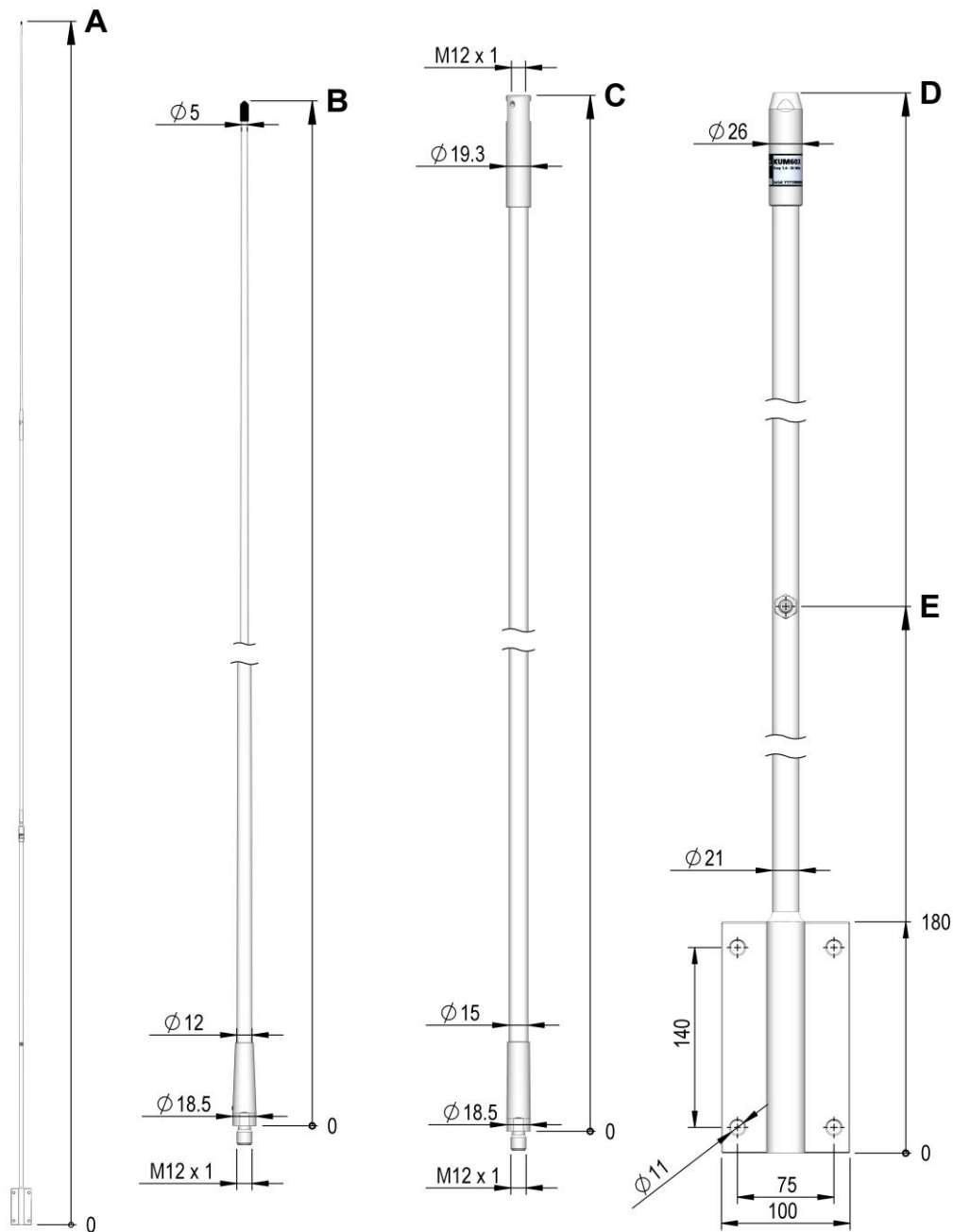
Part Number	Description	Installation	No of Sections	Length [m]	Maximum Power [W PEP]	Frequency Range [MHz]	Static Capacitance [pF]	DC Shorted	Windload @ 160 km/h
KUM480MWM	Wire, Tx/Rx	Mast and wall	2	4.8	500	1.4-30	55	No	99
KUM480-1MWM	Coax, Tx/Rx	Mast and wall	2	4.8	500	1.4-30	55	No	99
KUM480-2MWM	Coax, Rx only	Mast and wall	2	4.8	Receive only	0.15-30	55	Yes	99
KUM600MWM	Wire, Tx/Rx	Mast and wall	2	6.0	750	1.4-30	70	No	150
KUM600-1MWM	Coax, Tx/Rx	Mast and wall	2	6.0	750	1.4-30	70	No	150
KUM600-2MWM	Coax, Rx only	Mast and wall	2	6.0	Receive only	0.15-30	70	Yes	150
KUM603MWM	Wire, Tx/Rx	Mast and wall	3	6.0	750	1.4-30	70	No	150
KUM603-1MWM	Coax, Tx/Rx	Mast and wall	3	6.0	750	1.4-30	70	No	150
KUM603-2MWM	Coax, Rx only	Mast and wall	3	6.0	Receive only	0.15-30	70	Yes	150
KUM700MWM	Wire, Tx/Rx	Mast and wall	2	7.0	1000	1.4-30	80	No	161
KUM700-1MWM	Coax, Tx/Rx	Mast and wall	2	7.0	1000	1.4-30	80	No	161
KUM700-2MWM	Coax, Rx only	Mast and wall	2	7.0	Receive only	0.15-30	80	Yes	161
KUM703MWM	Wire, Tx/Rx	Mast and wall	3	7.0	1000	1.4-30	80	No	161
KUM703-1MWM	Coax, Tx/Rx	Mast and wall	3	7.0	1000	1.4-30	80	No	161
KUM703-2MWM	Coax, Rx only	Mast and wall	3	7.0	Receive only	0.15-30	80	Yes	161

2-Section Mast and Wall Mount



Antenna	Total (A)	Top Section (B)	Bottom Section (C)	Feed Point (D)
KUM480MWM	4.80m	2.60m	2.20m	0.60m
KUM600MWM	6.00m	3.00m	3.00m	0.90m
KUM700MWM	7.00m	3.00m	4.00m	1.25m

3-Section Mast and Wall Mount



Antenna	Total (A)	Top Section (B)	Mid Section (C)	Bottom Section (D)	Feed Point (E)
KUM603MWM	6.00m	2.00m	2.00m	2.00m	0.90m
KUM703MWM	7.00m	2.00m	2.00m	3.00m	1.25m