

# KUM800 KUM900 MWM

## Marine and Land Based HF/SSB Antenna

KUM803MWM, KUM850MWM, KUM903MWM and KUM950MWM series represent an omnidirectional side-fed HF transceiver antenna for automatic antenna tuned systems for both leisure and commercial vessels. The KUM803MWM, KUM850MWM, KUM903MWM and KUM950MWM 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 and wall 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.

KUM803MWM, KUM850MWM, KUM903MWM and KUM950MWM antennas are subject for improvement at all times. The antennas have the same rugged design as all other AC Antennas products thus they withstand 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: 1200 PEP, Rx: Receive only
Maximum HF Voltage (kV)	Tx: 18 Rx: Receive only
Insulation Resistance	> 10 E9
Static Capacitance (pF)	100
Polarization	Vertical
DC-shorted	KUM8xxMWM/KUM9xxMWM: No. KUM8xx-1MWM/KUM9xx-1MWM: No. KUM8xx-2MWM/KUM9xx-2MWM: Yes

### Mechanical specifications

Length (m/ft)	See Ordering Information.
Wind load @ 160 km/h (N)	327
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:

KUM850MWM: Wire Installation. Tx/Rx. 2 sections. Mast and wall mount. Length: 8.0m.

KUM850-1MWM: Coax Installation. Tx/Rx. 2 sections. Mast and wall mount. Length: 8.0m.

KUM850-2MWM: Coax Installation. Rx only. 2 sections. Mast and wall mount. Length: 8.0m.

KUM950MWM: Wire Installation. Tx/Rx. 2 sections. Mast and wall mount. Length: 9.0m.

KUM950-1MWM: Coax Installation. Tx/Rx. 2 sections. Mast and wall mount. Length: 9.0m.

KUM950-2MWM: Coax Installation. Rx only. 2 sections. Mast and wall mount. Length: 9.0m.

### 3-Section:

KUM803MWM: Wire Installation. Tx/Rx. 3 sections. Mast and wall mount. Length: 7.88m.

KUM803-1MWM: Coax Installation. Tx/Rx. 3 sections. Mast and wall mount. Length: 7.88m.

KUM803-2MWM: Coax Installation. Rx only. 3 sections. Mast and wall mount. Length: 7.88m.

KUM903MWM: Wire Installation. Tx/Rx. 3 sections. Mast and wall mount. Length: 9.03m.

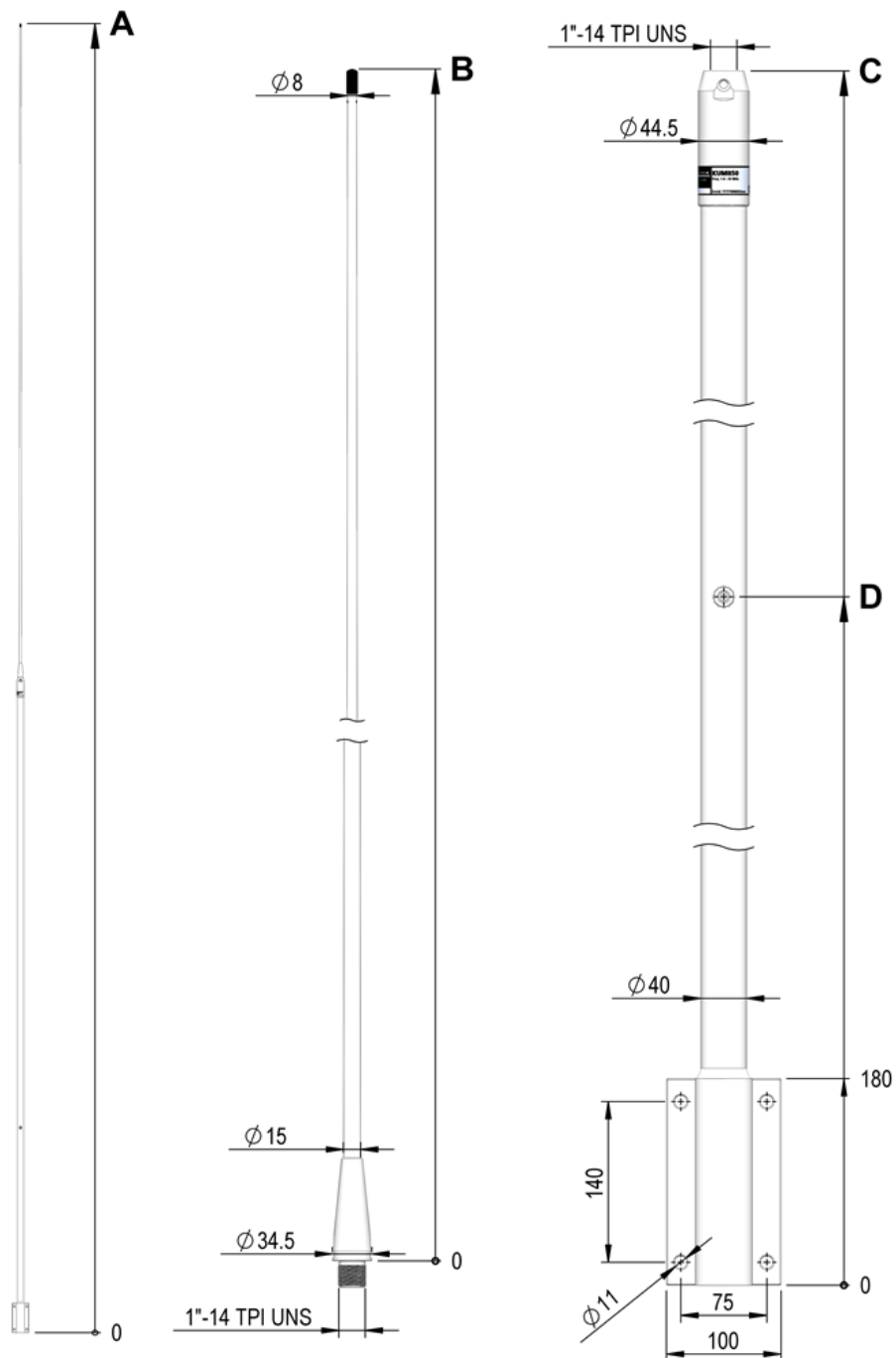
KUM903-1MWM: Coax Installation. Tx/Rx. 3 sections. Mast and wall mount. Length: 9.03m.

KUM903-2MWM: Coax Installation. Rx only. 3 sections. Mast and wall mount. Length: 9.03m.

## Ordering Short List:

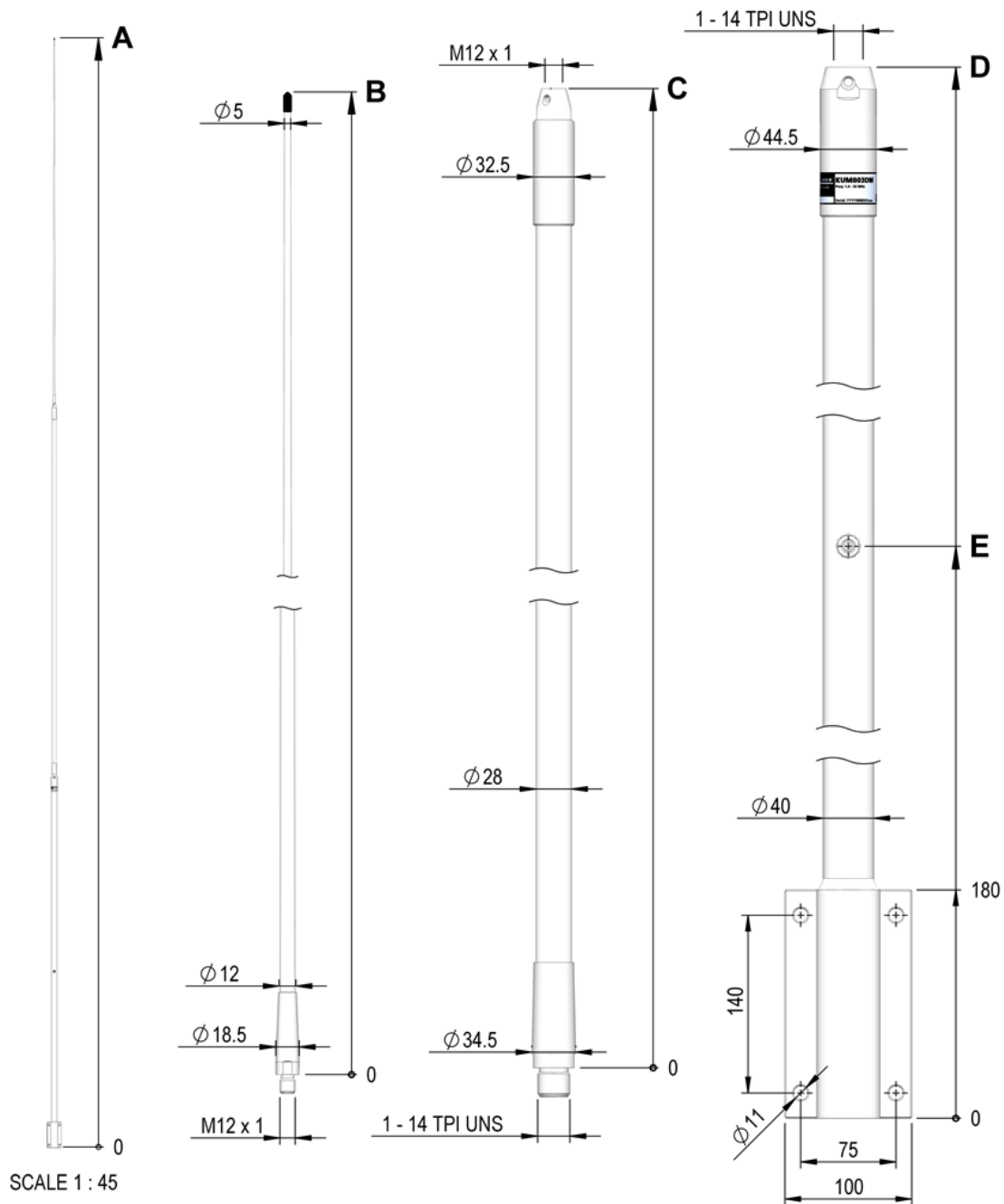
Part Number	Description	Installation	No of Sections	Length [m]	Maximum Power [W PEP]	Frequency Range [MHz]	Static Capacitance [pF]	DC Shorted	Windload @ 160 km/h
KUM803MWM	Wire, Tx/Rx	Mast and wall	3	7.88	1200	1.4-30	100	No	99
KUM803-1MWM	Coax, Tx/Rx	Mast and wall	3	7.88	1200	1.4-30	100	No	99
KUM803-2MWM	Coax, Rx only	Mast and wall	3	7.88	Receive only	0.15-30	100	Yes	99
KUM850MWM	Wire, Tx/Rx	Mast and wall	2	8.0	1200	1.4-30	100	No	150
KUM850-1MWM	Coax, Tx/Rx	Mast and wall	2	8.0	1200	1.4-30	100	No	150
KUM850-2MWM	Coax, Rx only	Mast and wall	2	8.0	Receive only	0.15-30	100	Yes	150
KUM903MWM	Wire, Tx/Rx	Mast and wall	3	9.03	1200	1.4-30	100	No	150
KUM903-1MWM	Coax, Tx/Rx	Mast and wall	3	9.03	1200	1.4-30	100	No	150
KUM903-2MWM	Coax, Rx only	Mast and wall	3	9.03	Receive only	0.15-30	100	Yes	150
KUM950MWM	Wire, Tx/Rx	Mast and wall	2	9.0	1200	1.4-30	100	No	161
KUM950-1MWM	Coax, Tx/Rx	Mast and wall	2	9.0	1200	1.4-30	100	No	161
KUM950-2MWM	Coax, Rx only	Mast and wall	2	9.0	Receive only	0.15-30	100	Yes	161

## 2-Section Mast and Wall Mount



Antenna	Total (A)	Top Section (B)	Bottom Section (C)	Feed Point (D)
KUM850MWM	8.00m	4.00m	4.00m	1.25m
KUM950MWM	9.00m	4.00m	5.00m	1.35m

## 3-Section Mast and Wall Mount



Antenna	Total (A)	Top Section (B)	Mid Section (C)	Bottom Section (D)	Feed Point (E)
KUM803MWM	7.88m	2.60m	2.63m	2.65m	1.25m
KUM903MWM	9.03m	2.60m	2.63m	3.80m	1.35m