

### VHF Arctic Grade Antenna

#### Model D8076

The TACO Model D8000 series antennas are vertically polarized omni-directional antennas. The D8000 series are specifically designed to minimize ice accretion on the antenna surface while providing exceptional performance throughout the frequency band ranging 118-137 MHz. The internal components of the antenna are enclosed in a fiberglass radome, ultimately resulting in a lightweight, low profile, rugged communications antenna

#### Features

- Independent lab testing shows an 18% reduction in ice accretion
- Rugged lightweight construction
- Enclosed in a 'Graphite Grey' fiberglass radome
- Metal base with DC ground attachment



NSN  
5985-01-668-0620 \*Mast not included

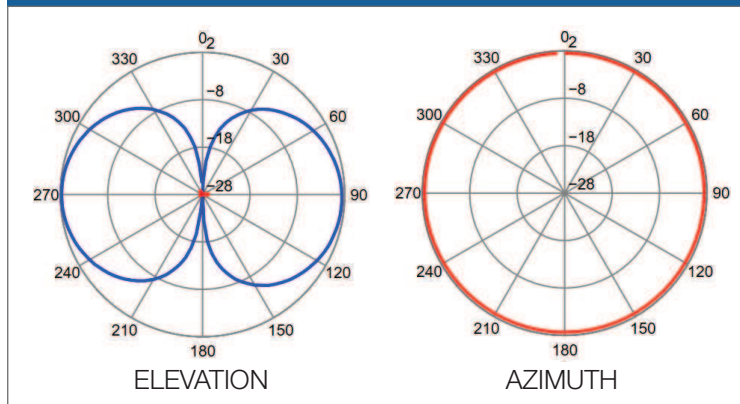


Installation near Reykjavik, Iceland

### ELECTRICAL SPECIFICATIONS

<b>FREQUENCY RANGE</b>	<b>118-137 MHz</b>	
GAIN (dBi)	2.0	
VSWR (Maximum)	2:1	
HPBW	HORZ.	360°
	VERT.	75°
POLARIZATION	Vertical	
IMPEDANCE (Ohm)	50	
POWER (Maximum)	350 W	
TEMPERATURE	-50° to 70°C	
OUTPUTS	1	
CONNECTOR	N Female	

### PATTERNS



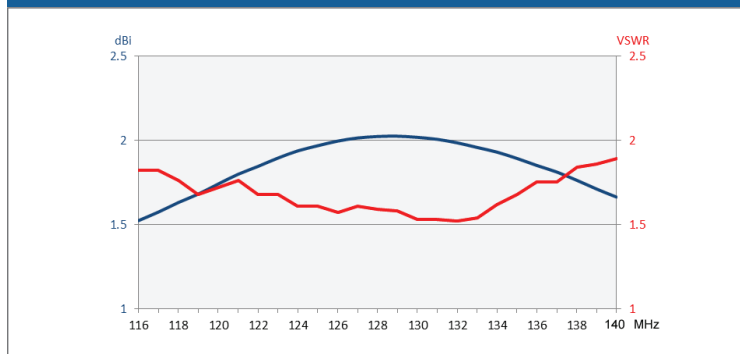
### MECHANICAL SPECIFICATIONS

LENGTH	65 in.
MOUNTING PIPE OD	2.875 in.
WEIGHT	9.0 lbs.
COLOR	Graphite Grey

### WIND LOAD SPECIFICATIONS

WIND AREA (NO ICE)	1.08 sq. ft.
WIND AREA (1/2" RADIAL ICE)	1.55 sq. ft.
RATED WIND VELOCITY (NO ICE)	175 mph.
RATED WIND VELOCITY (1/2" RADIAL ICE)	145 mph.

### GAIN & VSWR



TACO Antenna's ongoing policy of continuing development may result in specification changes to its products.