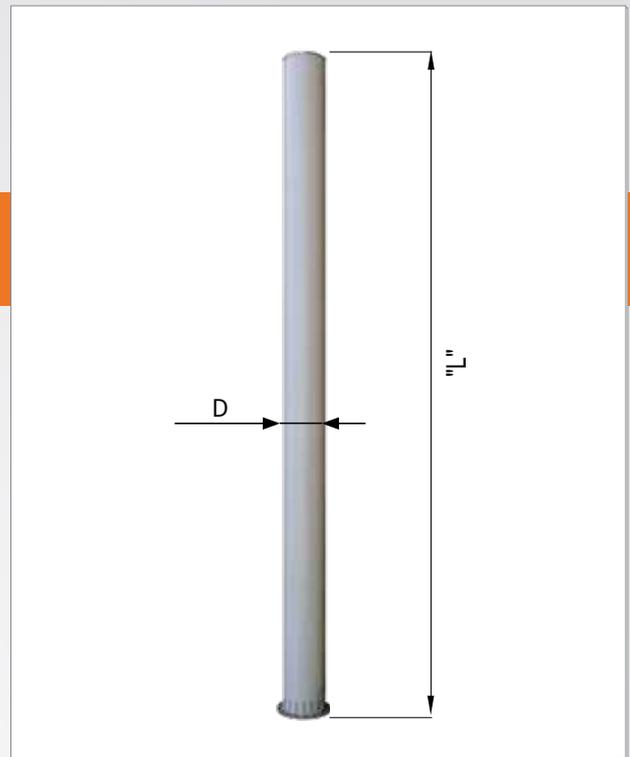


# UTV-11

## UHF SUPERTURNSTILE ANTENNA

### FEATURES

- horizontal polarization
- broadband 470 ÷ 860 MHz
- omnidirectional pattern
- self supporting radome

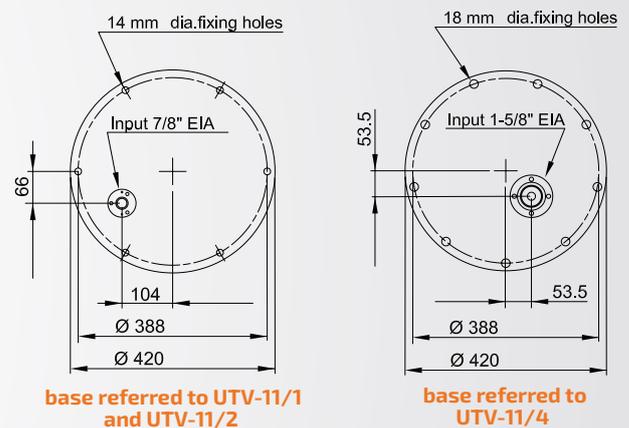


### ELECTRICAL DATA

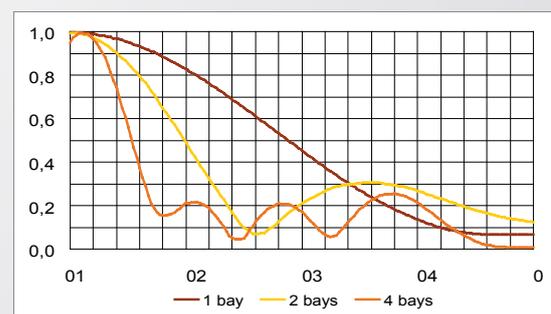
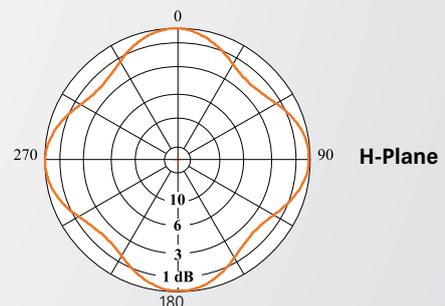
	NUMBER OF BAYS		
	1	2	4
ANTENNA TYPE	UTV-11/1	UTV-11/2	UTV-11/4
FREQUENCY RANGE	470 ÷ 860 MHz		
IMPEDANCE	50 ohm		
CONNECTOR	7/8" EIA	1-5/8" EIA	
MAX POWER	2 kW	5 kW	
VSWR	≤ 1.1		
POLARIZATION	Horizontal		
GAIN (referred to half wave dipole)	5 dB	8 dB	11 dB
LIGHTNING PROTECTION	All metal parts DC grounded		

### MECHANICAL DATA

	NUMBER OF BAYS		
	1	2	4
DIAMETER radome "D" mm (in)	330 (13)	330 (13)	330 (13)
ANTENNA HEIGHT "L" mm (in)	1186 (46.7)	2286 (90)	5110 (201.2)
WEIGHT kg (lb)	40 (88)	60 (132)	135 (298)
WIND SURFACE m <sup>2</sup> (ft <sup>2</sup> )	0.39 (4.2)	0.75 (8.1)	1.69 (21.1)
WIND LOAD kN (lbf) at 160 km/h (100 mph)	0.35 (78.7)	0.68 (153)	1.54 (346)
MAX WIND VELOCITY km/h (mph)	220 (136.7)		
MATERIALS	Brass, aluminium, stainless steel, galvanized steel, teflon, fiberglass (radome)		
ICING PROTECTION	Full radome		
RADOME COLOUR	Grey		
MOUNTING	Directly on top of existing mast by means of a flange		



### RADIATION PATTERNS (Mid Band)



V-Plane

All dimensions are in millimeters