



## BASE DIRECTIONAL ANTENNA WITH FIBERGLASS RADOME

**BD 410**

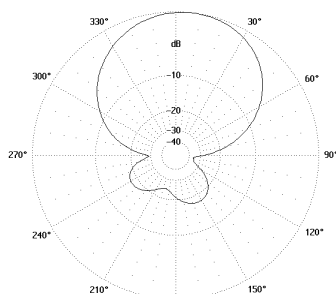
**BD 410A**

**BD 410AS**

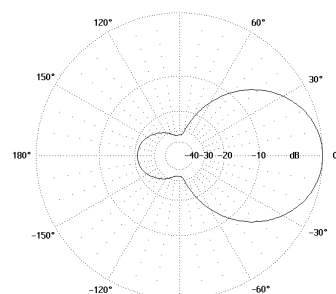


### Description

BD 410 directional base antenna is designed for mobile and data radio networks.



Radiation pattern – H plane



Radiation pattern – E plane

### Technical Specifications

Type		BD 410	BD 410A	BD 410AS
Frequency range	MHz	440 ÷ 470	410 ÷ 430	400 ÷ 430
Type of antenna		YAGI		
Gain	dBi	9.5		9.8
Radiation pattern		directional		
Beamwidth – H plane	°	75 ÷ 90		70 ÷ 78
Beamwidth – E plane	°	60		54 ÷ 56
Front-to-back ratio	dB	19 ÷ 27		18 ÷ 20
Polarization		vertical		
Impedance	Ω	50		
VSWR		< 1.5		< 1.6
Maximum input power	W	150		40
Grounding		all metal parts of antenna including mounting kit are DC grounded		
Material of antenna		aluminium alloy, hot-dip zinc steel, fiberglass		
Antenna holder (2 pcs)	mm	RCAF 300 126 – Ø 44 ÷ 76		
Material of holder		aluminium alloy, hot-dip zinc steel; all screws and nuts: stainless steel		
Weight of antenna / holder	kg	4.5 / 1.6 + 1.6		
Maximum wind velocity	km/h	160		
Wind load (at 160 km/h)	N	360		
Dimensions l × h	mm	610 × 500		
Connector type		N or 7/16 – female		
Radiation patterns code		H-plane 045EA10 / E-plane 028EA08		