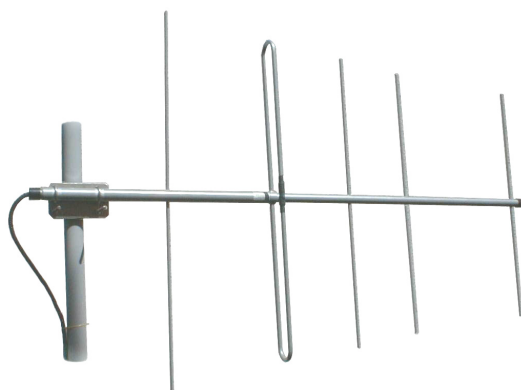


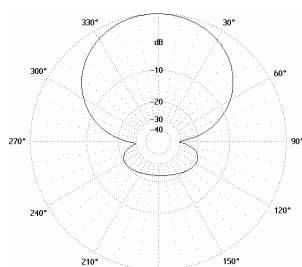
BASE STATION DIRECTIONAL ANTENNA



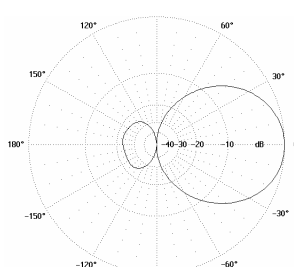
BD 165 A
BD 165 B
BD 165 C
BD 165 S
BD 165 Z

TECHNICAL SPECIFICATION

Type		BD 165 A	BD 165 B	BD 165 C	BD 165 S	BD 165 Z
Frequency range	MHz	150 ÷ 158	157 ÷ 166	165 ÷ 174	155 ÷ 165	146 ÷ 153
Technical solution		YAGI				
Gain	dBi	9.5				
Radiation pattern		directional				
Beamwidth H plane	°	86 ÷ 92				
Beamwidth E plane	°	60 ÷ 64				
Front-to-back ratio	dB	19 ÷ 22				
Polarization		vertical				
Impedance	Ω	50				
VSWR		< 1.5				
Max. input power	W	200				
Grounding		All metal parts of antenna including the mounting kit are DC grounded				
Material antenna		aluminium alloy, plast, stainless steel				
Antenna holder	mm	RCAK 400 52 – Ø 35 ÷ 76 (standard)				
		RCAK 400 44 – Ø 60 ÷ 90				
		RCK 100 001 – Ø 90 ÷ 120				
Material holder		aluminium alloy, hot dip zinc steel, all screws and nuts: stainless steel				
Weight antenna / holder	kg	1.4 / 0.5				
Max. wind velocity	km / hour	160				
Wind load (at 160 km / hour)	N	132				136
Dimensions of antenna l x h	mm	1683 x 995	1585 x 949	1514 x 904	1520 x 956	1726 x 1028
Connector		type "N" - female				



Radiation pattern – H plane



Radiation pattern – E plane