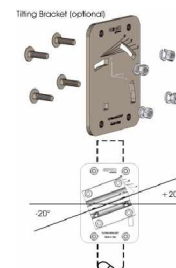




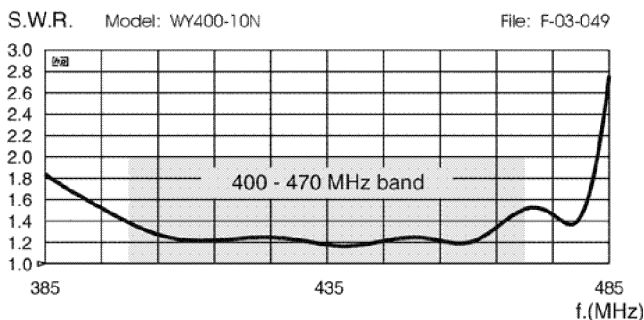
Features:

- Base station antenna, Directional
- Wide band, High-gain
- Highly symmetrical radiation pattern in both plane
- Protection from static discharges DC-ground
- Made of anodized aluminium alloy
- Stacked and bayed array for more gain
- Optional: tilting bracket for $\pm 20^\circ$

P/N 2113701/380 WY 380-10N
P/N 2113701/400 WY 400-10N



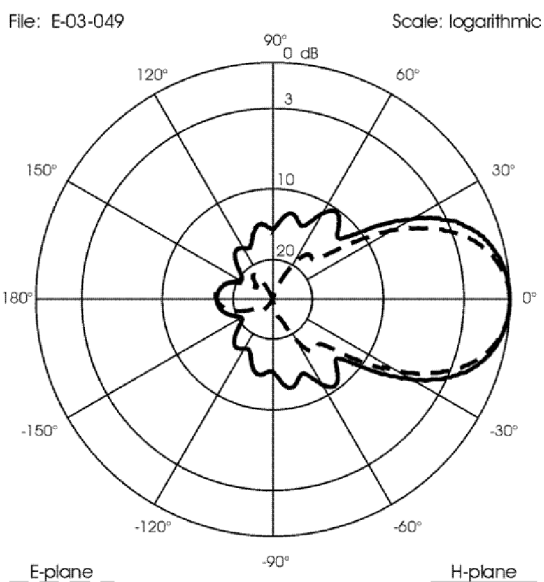
TYPICAL S.W.R. RESPONSE



Electrical Data

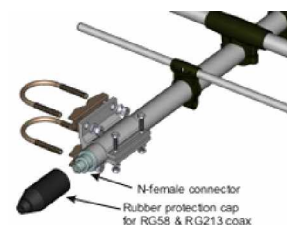
- Type: 10 elements yagi antenna
- Frequency range:
WY 380-10N: 380-440 MHz (TETRA system)
WY 400-10N: 400-470 MHz (PMR/PAMR systems)
- Impedance: 50Ω unbalanced
- Radiation (H-plane): beamwidth at -3 dB = 50° at center freq.
- Radiation (E-plane): beamwidth at -3 dB = 45° at center freq.
- Radiation angle: 0°
- Front to back ratio: ≥ 18 dB
- Polarization: linear vertical or horizontal
- Gain: 14 dBi
- SWR in bandwidth: $\leq 1.5:1$
- Max. power: 150 Watts (CW) at 30° C
- Feed system / position: RG303 teflon coax with balun / inside boom
- Connector: N-female with rubber protection cap

TYPICAL RADIATION PATTERN at 435 MHz



Mechanical Data

- Materials: Anodized 6063-T5 Aluminium, EPDM rubber, thermoplastic UV stabilized, Chromed brass
- Wind load / resistance: 150 N at 150 Km/h / 120 Km/h
- Wind surface: 0.12 m²
- Dimensions (approx.):
WY 380-10N: 2125 x 400 mm
WY 400-10N: 2000 x 375 mm
- Weight (approx.):
WY 380-10N: 2120 gr
WY 400-10N: 2040 gr
- Turning radius:
WY 380-10N: 1990 mm
WY 400-10N: 1860 mm
- Operating temperature: -40° C to +60° C
- Mounting mast: \varnothing 35-52 mm



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