

WY 380-6N  
WY 400-6N

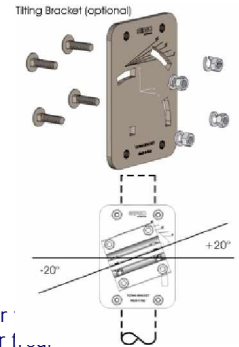
Sirio antenne



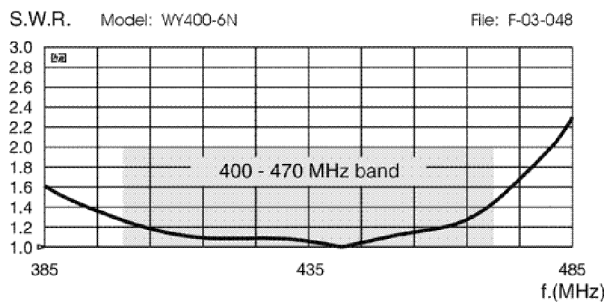
Features:

- Base station antenna, Directional
- Wide band, High-gain
- Highly symmetrical radiation pattern in both planes (E and H)
- 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 2113601/380 WY 380-6N  
P/N 2113601/400 WY 400-6N



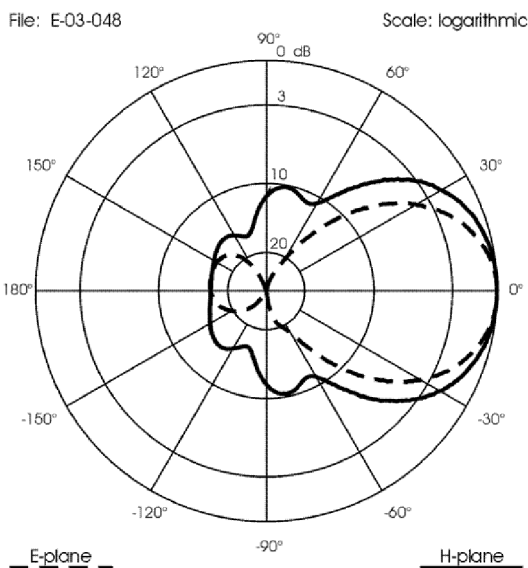
TYPICAL S.W.R. RESPONSE



Electrical Data

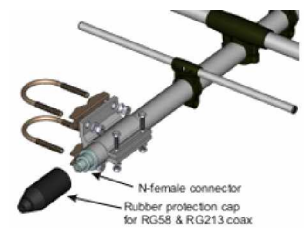
- Type: 6 elements yagi antenna
- Frequency range:
  - WY 380-6N: 380-440 MHz (TETRA system)
  - WY 400-6N: 400-470 MHz (PMR/PAMR systems)
- Impedance: 50Ω unbalanced
- Radiation (H-plane): beamwidth at -3 dB = 70° at center frequency
- Radiation (E-plane): beamwidth at -3 dB = 55° at center frequency
- Radiation angle: 0°
- Front to back ratio:  $\geq 17$  dB
- Polarization: linear vertical or horizontal
- Gain: 11 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: 100 N at 150 Km/h / 150 Km/h
- Wind surface: 0.078 m<sup>2</sup>
- Dimensions (approx.):
  - WY 380-6N: 1180 x 400 mm
  - WY 400-6N: 1130 x 375 mm
- Weight (approx.):
  - WY 380-6N: 1540 gr
  - WY 400-6N: 1490 gr
- Turning radius:
  - WY 380-6N: 1050 mm
  - WY 400-6N: 1000 mm
- Operating temperature: -40° C to +60° C
- Mounting mast:  $\varnothing$  35-52 mm



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