



CYL-XDUO-465

CYLINDER-- 65° Azimuth Beams, 60" long x 16.3" diameter

Directing our energies for you.

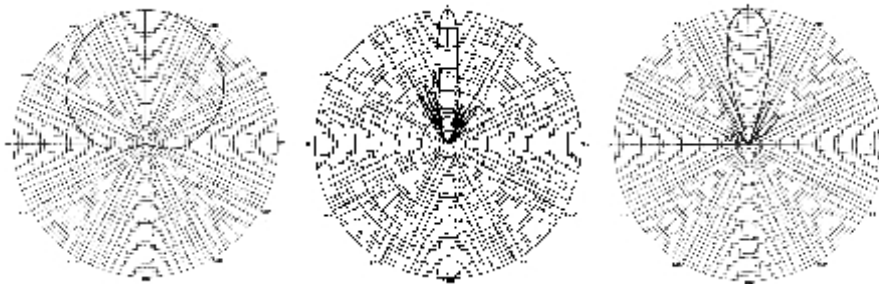
Dual Band and Xpol

Electrical Specifications

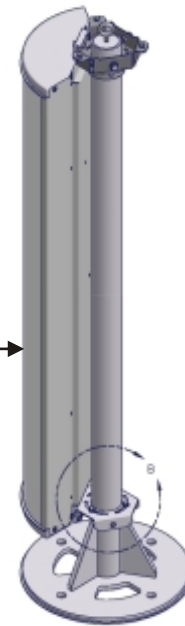
Frequency	824-896 & 1850-1990 MHz
Polarization	Slant +/- 45°
Gain @ 850 MHz	12.6 dBd
Gain @ 1900 MHz	14.9 dBd
Horizontal Beam Low / High Band	65° / 65°
Vertical Beam Low / High Band	15° / 7°
Electrical Downtilt Options Low Band	2, 4, 6, 8 or 10°
Electrical Downtilt Options High Band	2, 4 or 6°
VSWR / Return Loss	<1.50:1 / 14.0 dB
Front-to-Back at Horizon Low Band	>26 dB
Front-to-Back at Horizon High Band	>30 dB
Upper Side Lobe Suppression	<-17 dB
Impedance	50 Ohms
Power Input Per Port	500 Watts CW
Intermodulation (2x20W)	<-150 dBc

Mechanical Specifications

Input Connector (female)	6 Bottom Mounted 7/16 DIN (silver finish)
Antenna Dimensions	60" long x 16.3" dia. (1524 x 414mm)
Total Weight	94.0 lbs
Antennas (3) Weight	66.0 lbs
Pole & Base Weight	28.0 lbs
Lightning Protection	Direct Ground
RF Distribution	Printed Microstrip Substrate
Radome	Ultra High-Strength Luran
Weatherability	UV Stabilized, ASTM D1925
Radome Water Absorption	ASTM D570, 0.45%
Environmental	MIL-STD-810E
Wind Survival	120 mph
Wind Load @ 100MPH	162 lbs
Equivalent Flat Plate @100MPH	3.3 sq-ft. (c=1.65)
Bottom Mount Flange	Aluminum / Stainless Steel

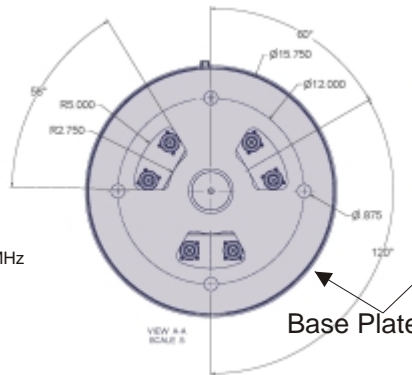
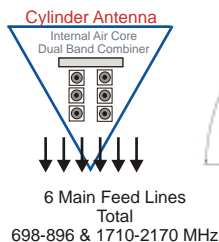


Single unit antenna shown specify electrical tilt of each unit (3 single units create the cylinder)



Available Only with Integrated Diplexers

The Integrated Diplexers reduce mainline cables from 12 to 6 (six bottom connectors) and eliminate separate external devices.



5 Year Warranty

Ordering Information & Options

CYL-XDUO-465-ab-cd-ef-i

"ab", "cd" and "ef" are order model placeholders for the built-in fixed electrical downtilt combinations in degrees set "a", "c" and "e" to any combination of 2, 4, 6, 8 or 10 for low frequency band-side of antennas set "b", "d" and "f" to any combination of 2 or 4 or 6 for high frequency band-side of antennas This model includes six built-in diplexers to reduce input connector ports from 12 to 6

Note: single units are available-- see "FLG-XDUO-465" spec sheet

