DIRECTIVE SYSTEMS

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903 MHz Loop Yagi, Model 3333LY

SPECIFICATIONS

Frequency Range:	880-910 MHz
Number of elements:	33
Boom Length:	144 inches
Boom diameter:	1 inch
Mast diameter:	1 1/2 inch max.
Weight:	7 pounds (shipping)
Connector:	Type N female
Gain:	18.5 dBi
3 dB Beamwidth (E Plane) :	=20 °
F/B ratio:	>20 dB
Maximum Power:	550 W. average
Stacking distance:	30 inches vertical
	33 inches horizontal

ASSEMBLY INSTRUCTIONS

1) Unpack antenna and locate the two preassembled antenna sections and the hardware package. The boom is broken between elements D16 and D17. Remove D16 from the boom section and slide boom pieces together to alignment marks. Replace D16 and retighten. The booms are marked for your assembly.

2) Attach the boom to mast plate to the boom with the hardware provided. Install the U-bolts so that the mast comes up directly under the boom.

3) Attach the feed line, and tape it to the bottom of the boom. . The connector should be sealed with electronic grade RTV or equivalent. Don't forget to seal the area where the .141" semi rigid coaxial cable extends into the rear of the antenna connector.

4) Straighten any mis aligned elements and tighten hardware if necessary.

5) The antenna SWR has been adjusted at the factory for less than 1.3:1. Additional tweaking can be accomplished by adjusting the distance between the driven element and R1 and D1, or by adjusting the shape of the driven element.

6) If antennas are to be stacked, see "Instructions For Stacking Loop Yagis" instruction sheet. An additional 2.5 dB gain is easily obtained by correctly combining a second similar antenna. Power dividers, stacking frames and cables are available from Directive Systems.