



# DIRECTIVE SYSTEMS

177 DIXON ROAD

LEBANON, ME. 04027

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## DSFO432-25

### 25 ELEMENT 7.4 I K1FO STYLE YAGI

#### ELECTRICAL SPECIFICATIONS

Frequency range: Mhz .....	428-435
Gain: dBd.....	16.5
Impedance: Ohms.....	50
Connector type .....	Type N (F) UG-58/U
Front -to- back ratio: dB.....	24
SWR: Typical at resonance.....	≅ 1.2:1
Beamwidth: degrees	
E- Plane .....	22
H- Plane .....	23
Sidelobe level: decibels	
E- Plane .....	-17
H- Plane .....	-16
Power rating, Continuous: Watts .....	750
Stacking Distance: Ft (m)	
E- Plane .....	5' 10" (1.778)
H- Plane .....	5' 6" (1.676)

#### MECHANICAL SPECIFICATIONS

Boom length: Ft (m.) .....	17'4" (5.28)
Turning radius: Ft. (m.) .....	9' 6" (2.90)
Weight Assembled: Lbs (kg.) .....	8.5 (3.86)
Max mast size: In. (cm.) .....	2 (5.08)
Wind surface area: Ft (m.) .....	1.4 (.13)
Wind Survival: Mph (km/hr) .....	100 (160)

#### PARTS LIST

<b>Boom</b>		<b>BAG #2</b>	
1 1/4" OD x 0.058 x 72" .....	1	Insulators, element, Delrin <sup>®</sup>	52
" w. coax/ balun assy. attached .....	1	Keepers, s.s. 3/16"	56
1 3/8" OD x 0.058 x 72" .....	1		
<b>Element bundle</b>		<b>BAG #3</b>	
25 elements w. 2 T-match rods .....	1	U- bolt, s.s. 5/16-18 x 2"	2
<b>BAG #1</b>		U- bolt, s.s. 1/4-20 x 1 1/2"	2
Hose clamps, stainless steel .....	2	Nut, hex, s.s. 5/16-18	4
8-32 x 1 3/4" machine screws .....	2	Nut, hex, s.s. 1/4-20	4
8-32 s.s. hex nuts .....	2	Lock washer, split s.s. 5/16"	4
#8 split s.s. lock washers .....	2	Lock washer, split, s.s. 1/4"	4
Brass T match bars .....	2		
		<b>Boom- to Mast Plate</b>	<b>1</b>
		<b>Assembly instructions</b>	<b>1</b>