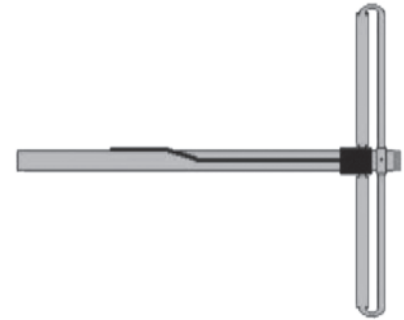


- Heavy duty stacked dipole array antenna with heating.
- All welded high power aircraft band dipole.

7420000

Linear, V or H-Pol | Heated Stacked Dipole Array Antenna | 0 dBd

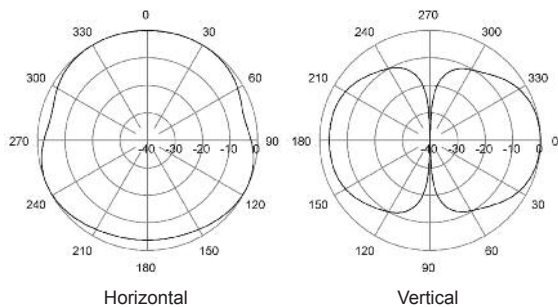


Electrical Characteristics	
Frequency bands	118-136 MHz
Polarization	Linear, can be vertical or horizontal
'H' plane pattern	Depends on mounting structure
Elevation beamwidth (-3 dB)	64° nominal
Gain	0 dBd
Impedance	50Ω
VSWR	1.5:1 maximum
Maximum power	300 W
Connector	N plug + 3.5 m RG214u downlead
Operating temperature	-30° to +55° C -22° to +131° F
Lightning protection	All conductive components bonded to ground.

Materials	
Dipole	Full half wave dipole made from 19.05 mm diameter, 2.03 mm thick aluminium tube.
Balun & matching	RG303 cable silver plated conductors TEFLON insulation fully encapsulated.
Boom	2 M long scaffold size tube, 48.4 mm diameter x 4.47 mm thick aluminium tube.
Heating element	TEFLON insulated heater wire fitted inside the dipole and boom, total AC power requirement 150 watts at 48 volts.
Heater connector	Heavy duty sealed bayonet coupling panel plug to MIL-C-5015 fitted at boom extremity. Free socket with cable clamp supplied. All connectors two way rated at 10 amp. Connection diagram drawing 8759000.
Fasteners	Stainless steel

Mechanical Characteristics		
Dimensions LxWxD	2000 x 1060 x 100 mm	78.7 x 41.7 x 3.9 in
Weight	6.5 kg	14.3 lbs
Operational wind speed	160 km/hr	99 mph
Wind load @ 162 km/hr (101 mph)	175 N	39.3 lbf

Mounting Options	Part Number	Description	Weight
Mounting bracket	0300064/00	Cast aluminum clamp to attach 25-50 mm (1.0-2.0 in) dia antenna boom	1.5 kg 3.3 lbs
U-Bolts (to attach to mast tower)	--	Please specify pipe diameter: 50, 75, or 100 mm 2.0, 3.0, or 3.9 in	--



Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.