

The 874-70 HD is a Wide Band Antenna designed for multicoupled systems. The antenna offers a choice of radiation patterns that are determined by the dipole-to-mast spacing. The 874-70 HD has external cabling permitting field adjustment of the element spacing.

The 874F-70 HD has internal cabling and is not field adjustable.

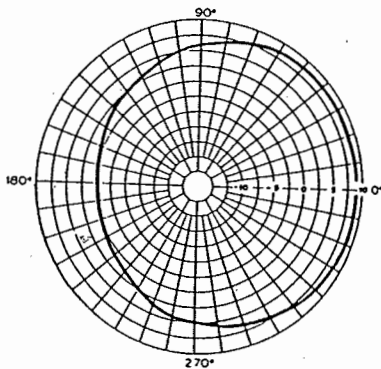
This antenna is very rugged and is well suited for use in severe environmental conditions.

SPECIFICATIONS

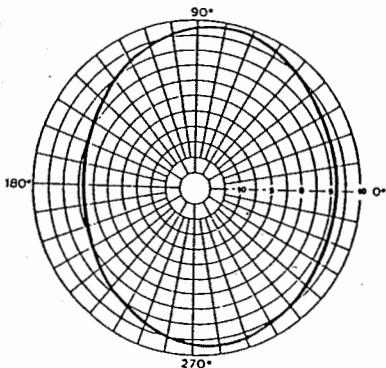
ELECTRICAL

Frequency Range	138-174 MHz
Nominal Gain	8 to 8.5 dB
Bandwidth 1.5:1 VSWR	138-174 MHz
Polarization	Vertical
Pattern	Offset
Maximum Power Input	450 Watts
Nominal Impedance	50 Ohms
Lightning Protection	DC Ground
Standard Termination	Type N Male attached to end of 30 in (762 mm) flexible lead

HORIZONTAL PATTERN FOR VERTICAL POLARIZATION
QUATERWAVE SPACING



HORIZONTAL PATTERN FOR VERTICAL POLARIZATION
HALFWAVE SPACING



MECHANICAL

Length	246 in (6248 mm)
Width (at 1/2 wave spacing)	40 in (1016 mm)
Weight	130 lbs (59 kg)
Rated Wind Velocity No ice	200 mph (322 km/h)
Rated Wind Velocity 1.5" (38.1 mm) ice	110 mph (176 km/h)
Rated Wind Velocity 2" (50.8 mm) ice	100 mph (161 km/h)
Lateral Thrust at 100 mph wind	299 lb (135.6 kg)
Bending Moment at top clamp (100 mph)	2035.4 lb*f (281.4 kg*m)
Equivalent Flat Plate Area	10.1 ft ² (0.941 m ²)
Mounting Information	Mast is 4.5 in (114 mm) O.D. pipe

Comprod Communications Heavy Duty Low Intermod Antennas

Comprod Communications antennas are made with the highest quality and superior construction in order to ensure that they are only mounted once, yet perform for many, many years. We believe that our products should be used in a plug and play situation, or mount and forget. We have an extremely good reputation in North America for having the strongest and longest lasting, problem free antennas. We stand behind our heavy duty low-intermod antennas with an amazing 5 year replacement warranty. We are confident that the continual evolution of our antennas and products adds extra value and confidence for our customers.

Our Heavy Duty Low-Intermod Antennas Include:

- Low Intermod Construction including all Silver plated connectors and Doubled Shielded Silver Plated Coax.
 - Hi-Density Reinforcing Composite at Feedpoint.
 - Heavy Duty Reinforced Weather resist Dipole/Support Boom Clamping System & Low Intermod Configuration.
 - All fastening screws are Stainless Steel or Silver Plated - Depending on location.
 - All Cabling junctions are sealed in Epoxy for waterproofing purposes.
 - New Reinforced Welded Clamping and Machine Fit Connection System for Support Boom and Mast Junction.
 - All antennas are Individually Tested for VSWR and are registered for ISO 9002 for conformity.
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- We offer both version of this antenna in a Top Mount (TM) or Side Mount (SM) Configuration.
 - Top Mount version is supplied with grounding spike.
 - All Antennas are available with Black Anodization, a minimum of 20 Microns of coating protection.
 - Aids in melting ice
 - Aids in preventing corrosion from salt and environmental elements.
 - 5 YEAR REPLACEMENT WARRANTY.
 - For Problem free operation.