

## HUNTER FA-180

PORTABLE 6FT (1.8M) PERFORMANCE WITH  
STABLE LINKS IN ROUGH TERRAIN.

The Hunter™ FA-180 is a compact, rugged 6ft (1.8m) flyaway built for fast field deployment with no tools. The multi-segment carbon fiber composite construction keeps weight low and high surface accuracy even after repeated assemblies.

A prime-focus, axially symmetric design keeps the packed footprint smaller than comparable antennas and makes petal replacement simple. Swap frequency bands in seconds via quick-release feed cartridges. It's Intelsat/Eutelsat compliant, SkyNet and MIL-STD-810 certified, and can be fully motorized with the STC antenna controller for three-axis high-speed pointing. Packs into its own mount—just two flight cases, under 200lbs (90kg). Wide-spreading legs add stability on rough terrain.



### RAPID, TOOLLESS SETUP

Assembles in <10 minutes with no tools required.



### QUICK-SWAP MULTI-BAND FEEDS

Change bands in seconds with cartridge feeds (C/X, Ku & Ka options).



### RUGGED, LIGHTWEIGHT BUILD

Carbon-fiber honeycomb reflector resists deformation after hundreds of reassemblies.



### COMPLIANT AND CERTIFIED

Intelsat/Eutelsat compliant; SkyNet and MIL-STD-810 certified; optional full motorization with STC-100.

# TECHNICAL SPECIFICATION

## GENERAL

ANTENNA TYPE	Circular, axially symmetric with centre hub plus eight petals
DIAMETER	6ft (1.8m)
CONFIGURATION	Prime Focus
POLARIZATION	Linear or Circular
CROSS POLARIZATION	-35dB typically (feed dependent)
PORT-TO-PORT ISOLATION	90dB typical (with TRF)

## TRANSMIT

TRANSMIT BANDS	FA-180/60	5.85 to 7.025GHz
	FA-180/70	7.9 to 8.4GHz
	FA-180/140	12.75 to 14.5GHz
	FA-180/180	17.3 to 18.4GHz
	FA-180/300	27.5 to 31GHz
POWER HANDLING	1.5kW max.	
VSWR	1.3:1 Typical	

## RECEIVE

RECEIVE BANDS	FA-240/40	2.4 to 3.4GHz
	FA-180/60	3.4 to 4.2GHz
	FA-180/70	7.25 to 7.75GHz
	FA-180/140	10.7 to 12.75GHz
	FA-180/180	10.7 to 12.75GHz
	FA-180/300	17.7 to 22.2GHz

## ENVIRONMENTAL

TEMPERATURE	Transportation & Storage	-40 to +158°F (-40 to +70°C)
	Operational	-4 to +140°F (-20 to +60°C)
	Optional low temperature pack	-40 to +140°F (-40 to +60°C)
PHYSICAL	MIL-STD-810 Compliant	
HUMIDITY	100%	
ALTITUDE	14,763ft (4,500m)	
WIND RATING	Operational	37mph with gusts to 45mph (60km/h with gust to 72km/h)
	Survival (stowed)	75mph (121km/h)

## POWER

POWER REQUIREMENT	90 to 264V AC Power Supply
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## PHYSICAL

ELEVATION ADJUSTMENT	0 to 90°	
AZIMUTH ADJUSTMENT	+/-180°	
POLARIZATION ADJUSTMENT	+/-95°	
PACKED SIZE	Box 1	34.6 x 34.6 x 20in (0.88 x 0.88 x 0.51m)
	Box 2	34.6 x 34.6 x 20in (0.88 x 0.88 x 0.51m)
WEIGHT	Box 1	86 lbs (39kgs)
	Box 2	108 lbs (49kgs)
Weights above are for manual, baseline, configuration		

## FA-180/240/370 antenna feed cartridges

### BAND DUAL PORT TX/RX FEEDS

C	Linear & Circular/Linear switchable
X	Circular & Low PIM option
KU	Linear Std band & Low band Ku linear
DBS	Linear & Circular
KA	Commercial band Linear & Circular Military band Linear & Circular

### BAND SIMULTANEOUSE BAND TX/RX FEEDS

X/KA	4 port and 6 port feeds
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### BAND DUAL PORT RX ONLY FEEDS

S	Linear & Circular
C	Linear & Circular Extended band
X	Circular
KU	Linear & Circular
KA	Linear & Circular

## MULTIPLE AMPLIFIER MOUNTING OPTIONS

Feed Integrated BUCS up to 100w or case mount with our innovative multiband feed arm for higher power and simultaneous feed systems. Custom designs available on request.