

DATASTORM XF MOUNT SPECIFICATIONS



DATASTORM XF3 1.2 METER

General Information

Deployed Height	66"
Stowed Dimensions	75" L X 49" W X 12.5" H
Reflector Size	1.20 Meter Offset
Weight	175 lbs estimated

Note: See Prodelin Series 1134 Data Sheet for Antenna and Feed Specifications

Mount Rotation

Azimuth	365 Degrees
Elevation	143 Degrees Deployed from Stow
Elevation	0 – 70 Degrees Satellite Latitude
Skew (Polarization)	190 Degrees (cross Pol / Isolation)

Note: See Prodelin Series 1134 Data Sheet for Antenna and Feed Specifications

Environmental

Operational Wind Speed	40 MPH (based on attached structure)
Survival Wind Speed Deployed	75 MPH (based on attached structure)
Survival Wind Speed Stowed	125 MPH (based on attached structure)
Operation Temperature	-30 to +130 F

Electrical RF Interface

Transmit Power	1 to 4 Watts (Ku Band)
Transmit Frequency	13.75 – 14.50 GHz (Ku Band)
Receive Frequency	10.95 – 12.75 GHz (Ku Band)

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Electrical Connections

TX (BUC)	RG6
RX (LNB)	RG6
Power and Data	Circular 9 Pin (18 AWG)

Power Requirements

15VDC 8.6 Amps

Acquisition Speeds

Elevation	3 degrees/second
Azimuth	10 degrees/second
Skew	8 degrees/second

Acquisition time to first satellite identification < 90 seconds typical
Acquisition time to target satellite identification < 3 minutes typical

Peak/Pointing Accuracy

Elevation	.0625 Degrees with 0 degrees effective backlash
Azimuth	.050 Degrees with .25 degrees backlash (correctable)
Skew	.25 degrees < .5 degrees backlash

Deployment Sensors

GPS (Global Positioning System)
X-Y Tilt Sensors .25 degree @ 25C

Controller Interface

D3 Antenna Controller
Ethernet RJ45 (HTML)
RX Pass Through F Type Connector
Front Panel Search, Stow, and Power Buttons
HTML Interface via IP address

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